



INVITATION FOR BIDS: CCK-2667-23

FRAZEE INTERIOR FIT-UP

Project #2591.3

ADDENDUM# 3

November 3rd, 2022

ATTENTION: This is not an order. Read all instructions, terms and conditions carefully.

**IMPORTANT:
BID AND ADDENDUM MUST BE RECEIVED BY 11/10/2022 @ 3:00 P.M. LEXINGTON, KY TIME.**

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

Bidders shall conform to the following clarifications, corrections and changes, as same shall become binding on the Contract to be issued in response to this Invitation for Bids. Bidders must acknowledge receipt of this Addendum in the space provided on the Form of Proposal. Failure to do so may subject Bidder to disqualification.

- 1. Clarification to Subcontract All Work Categories:** Please see the attached answers to bid questions 1-11. The Bid Amount shall include the cost to provide this scope.
- 2. Clarification to Subcontract All Work Categories:** Please see the attached document from Lord Aeck Sargent which provides addition of commissioning specifications and general clarification to MEP items. The Bid Amount shall include the cost to provide this scope.
- 3. Clarification to Subcontract WC 01C:** Work Category 01C has been updated in addendum #3 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.
- 4. Clarification to Subcontract WC 04B:** Work Category 04B has been updated in addendum #3 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.
- 5. Clarification to Subcontract WC 06A:** Work Category 06A has been updated in addendum #3 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.
- 6. Clarification to Subcontract WC 08C:** Work Category 08C has been updated in addendum #3 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.
- 7. Clarification to Subcontract WC 09C:** Work Category 09C has been updated in addendum #3 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.

INVITATION FOR BIDS: CCK-2667-23

FRAZEE INTERIOR FIT-UP

Project #2591.3

ADDENDUM # 3

NOVEMBER 03, 2022

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

Ken Scott 11/03/2022

Ken Scott / (859) 257-5405

SIGNATURE

Typed or Printed Name

End of Addendum #3

PROJECT NAME

University of Kentucky
2591.3 Renew/Modernize Facilities
Frazee Interior FitUp

PROJECT NO.

11396-00

CONTRACTOR

Whiting-Turner

DATE OF INSTRUCTION

November 3, 2022

OWNER

University of Kentucky

DOCUMENT NUMBER

Addendum #03

GENERAL DESCRIPTION AND REMARKS

This addendum forms a part of the Contract Documents and modifies the original Construction Documents previously issued as noted below.

This addendum consists of **37 pages**, with the attachments listed below, all with a revision date of 11/03/2022, unless otherwise noted. Drawings listed herewith and attached indicate revisions with clouds. Modifications to documents included in this addendum are primarily related to the following:

1. Answers to Bidders Questions
2. Addition of Commissioning Specs
3. MEP Clarification/ Scope items

The documents stated herein revise or modify the reference specification or drawing noted.

GENERAL CLARIFICATIONS

MEP Specification

1. 23 2112 Hydronic Piping:
 - a. Condensate piping, all sizes: Type L (B), drawn-temper copper tubing, wrought-copper fittings, and soldered joints.

MODIFICATIONS TO THE SPECIFICATIONS (In modified specifications, new text is indicated by underlining and deleted text is stricken through.)

Section #:	Title	Date
00 01 10	Table of Contents	November 3, 2022
01 91 13	Commissioning HVAC, HVAC Controls, Domestic Hot Water, Lighting Controls, And Security Systems	August 12, 2022
22 02 00	Commissioning of Domestic Hot Water	August 12, 2022
23 08 00	Commissioning of HVAC and HVAC Controls	August 12, 2022
26 08 00	Commissioning of Lighting Controls	August 12, 2022
28 08 00	Commissioning of Security System	August 12, 2022



MODIFICATIONS TO THE DRAWINGS

Sheet#:	Title	Date
H100	GROUND FLOOR – HVAC PLAN	11/03/2022
	<ul style="list-style-type: none"> • Install thermostat conduit in the previous work phase. 	
H201	FIRST FLOOR – HYDRONIC PIPING PLAN	11/03/2022
	<ul style="list-style-type: none"> • Condensate line in shaft is being installed in previous phase. 	
H202	SECOND FLOOR – HYDRONIC PIPING PLAN	11/03/2022
	<ul style="list-style-type: none"> • Condensate line in shaft is being installed in previous phase. 	
H303	ENLARGED PLANS	11/03/2022
	<ul style="list-style-type: none"> • Fire protection and domestic cold water line in shaft are being installed in previous phase. 	
P101	FIRST FLOOR - SANITARY WASTE AND VENT PLUMBING PLAN	11/03/2022
	<ul style="list-style-type: none"> • Sanitary line in shaft is being installed in the previous work phase. 	
P102	SECOND FLOOR - SANITARY WASTE AND VENT PLUMBING PLAN	11/03/2022
	<ul style="list-style-type: none"> • Sanitary line in shaft is being installed in the previous work phase. 	
P103	THIRD FLOOR - SANITARY WASTE AND VENT PLUMBING PLAN	11/03/2022
	<ul style="list-style-type: none"> • Sanitary line in shaft is being installed in the previous work phase. 	
P200	GROUND FLOOR – DOMESTIC WATER PLAN	11/03/2022
	<ul style="list-style-type: none"> • Water piping in shaft is being installed in the previous work phase. 	
P201	FIRST FLOOR – DOMESTIC WATER PLAN	11/03/2022
	<ul style="list-style-type: none"> • Water piping in shaft is being installed in the previous work phase. 	
E100	GROUND FLOOR – LIGHTING PLAN	11/03/2022
	<ul style="list-style-type: none"> • Update scope in Stair A metal panel ceiling due to prior phase. 	
E200	GROUND FLOOR – POWER PLAN	11/03/2022
	<ul style="list-style-type: none"> • Update scope due to wiring device rough-in in prior phase. 	
E204	GROUND FLOOR – MECHANICAL POWER PLAN	11/03/2022
	<ul style="list-style-type: none"> • Update scope of disconnect for outside unit OU-2 due to prior phase. 	
E300	GROUND FLOOR – LOW-VOLTAGE PLAN	11/03/2022
	<ul style="list-style-type: none"> • Update scope due to wiring device rough-in in prior phase. • Update scope in Stair A metal panel ceiling due to prior phase 	
E304	GROUND FLOOR – SECURITY PLAN	11/03/2022
	<ul style="list-style-type: none"> • Update scope due to card reader rough-in in prior phase. 	



INSTRUCTIONS BY

Elisabeth Hunt

FILE: K:\PROJECTS\11396-00\BIDDING\Addenda\221103_FitUp-
Addendum-3\221103_FrazerHall_Addendum_03.docx

COPY: **UK, Whiting-Turner, LAS**





UNIVERSITY OF KENTUCKY

Purchasing Division

Written Questions and Answers

CCK-2667-23

#2591.3 Frazee Hall – Interior Fit-Up

No.	Question	Firm	Answer
1.	For bidding purposes, please define required hours and/or duration of time for composite crew members to be provided by contractors ("Requirements for All Work Categories" item #28).	WT	Composite crews will be used only as needed if housekeeping is not deemed to be acceptable by the Construction Manager.
2.	Temporary lighting at site fencing included in "26B- Electrical" scope?	WT	LED fence lighting shall be provided and maintained by 01C trade contractor per the logistics plan.
3.	Historical brick cleaning included in "04B- Masonry" scope?	WT	01C Trade Contractor is expected to do an initial "general clean" of the brick and plaster walls to remove dust, dirt, marking paint, spray adhesive, etc. that has collected on the walls from previous construction activities. This shall be separate from the masonry cleaning that is required per specification 04 01 20.
4.	Cleaning of brick and plaster is specified to include pressure washing and rinsing with potable water. How are contractors to "clean" interior brick and plaster walls without subsequent damage to work installed previously? As the original building is primarily wood flooring, it will be expected that water will migrate through levels as well as saturate the wood as containment will not be possible. Are contractors expected to remedy the subsequent moisture?	WT/ LAS	Means and methods to meet specification 04 01 20 requirements will be fulfilled by 04B masonry contractor. General cleaning of brick and plaster walls by 01C trade contractor can be achieved using damp sponging or other methods with minimal water. It is expected that plastic will be put down as necessary to protect subflooring and that any water that cannot be contained be collected immediately using a shop vacuum.
5.	Will water hook-up be made available for handwashing stations?	WT	Yes, 01C to provide 100' water hose which can be attached to nearby hose bib for filling of handwashing stations.
6.	Will electric hook-up be made available for handwashing stations as tank heaters will be required during winter months?	WT	Yes, 01C to provide 100' extension cord (12 gauge minimum) which can be powered from nearby outlet for tank heaters on handwashing stations.
7.	Will "01C- General Requirements" be responsible for removal of the gravel dumpster pad after dumpsters are relocated to Admin Drive?	WT	Yes, 01C shall be responsible for removal of gravel dumpster pad.

SECTION 00 01 10 - TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING REQUIREMENTS

DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

- 00 01 10 - Table of Contents
- 00 01 15 - List of Drawing Sheets

SPECIFICATIONS

DIVISION 01 -- GENERAL REQUIREMENTS

- 01 10 00 - Summary
- 01 22 00 - Unit Prices
- 01 23 00 - Alternates
- 01 30 00 - Administrative Requirements
- 01 40 00 - Quality Requirements
- 01 50 00 - Temporary Facilities and Controls
- 01 60 00 - Product Requirements
- 01 62 03 - Substitution Request
- 01 70 00 - Execution Requirements
- 01 78 00 - Closeout Submittals
- 01 79 00 - Demonstration and Training
- 01 91 13 - Commissioning HVAC, HVAC Controls, Domestic Hot Water, Lighting Controls, And Security Systems

DIVISION 02 -- EXISTING CONDITIONS

- 02 42 50 - Selective Demolition in Historic Structures

DIVISION 03 -- CONCRETE

- 03 39 00 - Concrete Curing and Sealing

DIVISION 04 -- MASONRY

- 04 01 20 - Masonry Cleaning
- 04 09 20 - Masonry Repair and Repointing

DIVISION 05 -- METALS

DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES

- 06 20 00 - Finish Carpentry
- 06 40 23 - Interior Architectural Woodwork Restoration
- 06 41 00 - Architectural Wood Casework

DIVISION 07 -- THERMAL AND MOISTURE PROTECTION

- 07 92 00 - Joint Sealants

DIVISION 08 -- OPENINGS

- 08 11 13 - Hollow Metal Doors and Frames
- 08 14 16 - Flush Wood Doors
- 08 14 33 - Stile and Rail Wood Doors
- 08 31 00 - Access Doors and Panels

08 71 00 – Door Hardware	
08 80 00 - Glazing	
DIVISION 09 -- FINISHES	
09 05 61 - Preparation of Concrete to Receive Adhesively Installed Flooring	
09 21 00 - Plaster	
09 21 16 - Gypsum Board Assemblies	
09 30 00 - Tiling	
09 51 00 - Acoustical Ceilings	
09 64 29 - Wood Strip and Plank Flooring	
09 65 00 - Resilient Flooring	
09 68 13 - Tile Carpeting	
09 84 30 - Sound-Absorbing Wall and Ceiling Units	
09 91 00 - Painting	
09 93 00 - Staining and Transparent Finishing	
09 96 00 - High-Performance Coatings	
DIVISION 10 -- SPECIALTIES	
10 11 01 - Visual Display Boards	
10 14 00 - Signage	
10 21 13 - Toilet Compartments	
10 22 19 - Demountable Partitions	
10 28 00 - Toilet, Bath, and Laundry Accessories	
10 44 00 - Fire Extinguishers, Cabinets, and Accessories	
DIVISION 11 -- EQUIPMENT	
DIVISION 12 -- FURNISHINGS	
12 24 13 - Window Shade Systems	
12 36 00 - Countertops and Window Stools	
DIVISION 13 -- SPECIAL CONSTRUCTION	
DIVISION 14 -- CONVEYING EQUIPMENT	
DIVISION 21 -- FIRE SUPPRESSION	
21 00 00 - General Provisions for Fire Suppression	
21 05 17 - Sleeves and Sleeve Seals for Fire-Suppression in Piping	
21 05 18 - Escutcheons for Fire-Suppression Piping	
21 05 53 - Identification for Fire-Suppression Piping and Equipment	
21 10 00 - Fire Suppression	
DIVISION 22 -- PLUMBING	
22 00 00 - General Provisions for Plumbing	
<u>22 02 00 - Commissioning of Domestic Hot Water</u>	
22 05 13 - Common Motor Requirements for Plumbing Equipment	
22 05 17 - Sleeves and Sleeve Seals for Plumbing Piping	
22 05 18 - Escutcheons for Plumbing Piping	
22 05 19 - Meters and Gages for Plumbing Piping	
22 05 23 - General-Duty Valves for Plumbing Piping	

22 05 29 - Hangers and Supports for Plumbing Piping and Equipment
22 05 53 - Identification for Plumbing Piping and Equipment
22 07 00 - Plumbing Insulation
22 11 16 - Domestic Water Piping
22 11 19 - Domestic Water Piping Specialties
22 11 23 - Domestic Water Pumps
22 13 16 - Sanitary Waste and Vent Piping
22 13 19 - Sanitary Waste Piping Specialties
22 13 19.13 - Sanitary Drains
22 13 29 - Sanitary Sewerage Pumps
22 14 13 - Storm Drainage Piping
22 14 23 - Storm Drainage Piping Specialties
22 14 29 - Sump Pumps

DIVISION 23 -- HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

23 00 00 - General Provisions for HVAC Systems
23 05 13 - Common Motor Requirements for HVAC Equipment
23 05 17 - Sleeves and Sleeve Seals for HVAC Piping
23 05 18 - Escutcheons for HVAC Piping
23 05 19 - Meters and Gages for HVAC Piping
23 05 23 - General-Duty Valves for HVAC Piping
23 05 29 - Hangers and Supports for HVAC Piping and Equipment
23 05 48 - Vibration Controls for HVAC
23 05 53 - Identification for HVAC Piping and Equipment
23 05 93 - Testing, Adjusting, and Balancing for HVAC
23 07 00 - HVAC Piping Insulation
23 07 13 - Duct Insulation

23 08 00 - Commissioning of HVAC and HVAC Controls

23 09 00 - Automatic Temperature Controls
23 09 50 - Variable Frequency Drives for HVAC Equipment
23 21 12 - Hydronic Piping
23 21 16 - Hydronic Piping Specialties
23 21 23 - Hydronic Pumps
23 22 13 - Steam and Condensate Piping
23 22 16 - Steam and Condensate Piping Specialties
23 23 00 - Refrigerant Piping
23 25 00 - HVAC Water Treatment
23 31 13 - Metal Ducts
23 33 00 - Air Duct Accessories
23 37 13 - Diffusers, Registers and Grilles
23 81 26 - Split-System Air-Conditioners
23 82 16 - Air Coils
23 82 19 - Fan Coil Units

DIVISION 26 -- ELECTRICAL

- 26 00 00 - General Electrical Provisions
- 26 05 00 - Common Work Results for Electrical
- 26 05 19 - Low-Voltage Electrical Power Conductors and Cables
- 26 05 26 - Grounding and Bonding for Electrical Systems
- 26 05 29 - Hangers and Supports for Electrical Systems
- 26 05 33 - Raceway and Boxes for Electrical Systems
- 26 05 36 - Cable Trays for Electrical Systems
- 26 05 53 - Identification for Electrical Systems
- 26 05 73.13 - Short-Circuit Studies
- 26 05 73.16 - Coordination Studies

26 08 00 - Commissioning of Lighting Controls

- 26 09 23 - Lighting Control Devices
- 26 09 43 - Relay-Based Lighting Controls
- 26 24 16 - Panelboards
- 26 27 26 - Wiring Devices
- 26 28 13 - Fuses
- 26 28 16 - Enclosed Switches and Circuit Breakers
- 26 29 13.03 - Manual and Magnetic Motor Controllers
- 26 41 13 - Lightning Protection for Structures
- 26 51 19 - LED Interior Lighting

DIVISION 27 -- COMMUNICATIONS

- 27 05 00 - Common Work Results for Communications
- 27 11 00 - Communications Equipment Room Fittings
- 27 13 00 - Communications Backbone Cabling
- 27 15 00 - Communications Horizontal Cabling
- 27 53 13 - Clock Systems

DIVISION 28 -- ELECTRONIC SAFETY AND SECURITY

- 28 05 00 - Common Work Results for Electronic Safety and Security
- 28 08 00 - Commissioning of Security System
- 28 16 00 - Perimeter Security Safety
- 28 20 00 - Video Surveillance
- 28 46 21.11 - Addressable Fire-Alarm Systems

END OF SECTION 00 01 10

SECTION 01 91 13 - COMMISSIONING HVAC, HVAC CONTROLS, DOMESTIC HOT WATER, LIGHTING
CONTROLS, AND SECURITY SYSTEMS

PART 1 – GENERAL

1.1 RELATED WORK

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, and other Division-1 Specification Sections, apply to work of this Section.
- B. Division 22 – Plumbing
- C. Division 23 – Heating Ventilating and Air Conditioning
- D. Division 26 – Electrical
- E. Division 28 – Electronic Safety and Security

1.2 SUMMARY

- A. Section includes commissioning process requirements for the following systems:
 - 1. HVAC and HVAC Controls
 - 2. Domestic Hot Water
 - 3. Lighting Controls
 - 4. Security/Access Control
- B. Section Includes:
 - 1. General requirements for coordinating and scheduling commissioning.
 - 2. Commissioning meetings.
 - 3. Commissioning documentation and scheduling commissioning.
 - 4. Construction checklists, including, but not limited to, installation checks, startup, performance tests, and performance test demonstration.
 - 5. Commissioning tests and commissioning test demonstration.
 - 6. Adjusting, verifying, and documenting identified systems and assemblies.

1.3 REFERENCES

- A. Drawings and general provisions of contract, including general and supplementary conditions, general mechanical provisions and Division-1 Specification sections, apply to work of this section.
- B. AABC National Standards for Total System Balance – 2016
- C. ASHRAE Standard 202 – 2018: Commissioning Process for Buildings and Systems
- D. ASHRAE Guideline 0 – 2019: The Commissioning Process
- E. ASHRAE Guideline 0.2 – 2015: Commissioning Process for Existing Buildings and Assemblies
- F. ASHRAE Guideline 1.1 – 2007: HVAC&R Technical Requirements for the Commissioning Process
- G. ASHRAE Guideline 1.2 – 2019: Technical Requirements for the Commissioning Process for Existing HVAC&R Systems and Assemblies
- H. ASHRAE Guideline 1.3 – 2018: Building Operation and Maintenance Training for the HVAC&R Commissioning Process
- I. ASHRAE Guideline 1.4 – 2014: Procedures for Preparing Facility Systems Manuals
- J. ASHRAE 1.5 – 2017: The Commissioning Process for Smoke Control Systems
- K. ASHRAE Commissioning Definitions and Terminology for the Building Industry: A Common Overview – 2018
- L. ACG Commissioning Guideline – 2005
- M. ANSI/ASHRAE/IES Standard 90.1 – 2016; Energy Standard for Buildings Except Low Rise Residential Buildings (SI Edition)
- N. ANSI/ASHRAE/IES Standard 189.1 – 2014: Standard for the Design of High-Performance Green Buildings
- O. BCA New Construction Building Commissioning Best Practices –2018
- P. BICSI: Telecommunications Distribution Methods Manual, 14th Edition
- Q. ICC G4 – 2018 Guideline for Commissioning
- R. ICC International Energy Conservation Code (IECC) – 2012; Section C408
- S. NECA 90: Commissioning Building Electrical Systems – 2015

- T. NETA-ATS: Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems – 2017
- U. NFPA 70: National Electrical Code – 2017
- V. NFPA 72: National Fire Alarm and Signaling Code – 2013
- W. National Institute of Building Sciences (NIBS) Whole Building Design Guide
- X. 2018 Kentucky Building Code
- Y. NFPA 110: Standard for Emergency and Standby Power Systems – 2019

1.4 DESCRIPTION OF WORK

- A. The purpose of the commissioning process is to provide the owner/operator of the facility with a high level of assurance that the commissioned systems have been installed in the prescribed manner, and operate within the performance guidelines set out in the Owner's Project Requirements (OPR). The Commissioning Authority (CxA) shall provide the owner with an unbiased, objective view of the system's installation, operation, and performance. This process is not intended to eliminate or reduce the responsibility of the design team or installing contractors to provide a finished product. Commissioning is intended to enhance the quality of system start-up and aid in the orderly transfer of systems for beneficial use by the owner. The CxA will be a member of the construction team, administering and coordinating commissioning activities with the design team, construction manager, subcontractors, manufacturers and equipment suppliers.
- B. The independent commissioning authority (CxA) is contracted directly with the owner for this project. This commissioning plan has been included for reference only to define contractors' responsibilities. Each contractor should review this procedure and include adequate time in their proposal.

1.5 INSTALLING CONTRACTORS CLOSE-OUT SUBMITTALS

- A. Commissioning Report Supplemental Information:
 - 1. At Construction Phase Commissioning Completion, provide the following:
 - a. Startup reports
 - b. Approved test procedures
 - c. Test data forms, completed and signed
 - d. Controls point-to-point verification documentation
 - e. Preliminary test and balance report(s)
 - f. Progress reports
 - g. Commissioning issues reports showing resolution of issues
 - h. Correspondence or other documents related to resolution of issues
 - i. Other reports required by commissioning authority
- B. Provide Operation and Maintenance Data: For proprietary test equipment, instrumentation, and tools to include in operation and maintenance manuals.

PART 2 – PRODUCTS

2.1 Not used.

PART 3 – EXECUTION

3.1 ROLES OF THE COMMISSIONING AUTHORITY

- A. The primary responsibility is to inform the owner, the construction manager and design team on the status, integration, and performance of commissioned systems within the facility.
- B. The CxA shall function as a catalyst and initiator to disseminate information and assist the design and construction teams in implementing completion of the construction process. This shall include system verification, functional performance testing, and conformance with the intended design of each system. Services include documenting construction observations, verification and functional performance testing, and documenting proper distribution of performance and operating information to the owner's O&M staff.

- C. The CxA shall observe and coordinate testing as required to assure system performance meets the Basis of Design and Owner's Project Requirements.
- D. The CxA shall provide technical expertise to oversee and verify the correction of deficiencies found during the commissioning process.
- E. The CxA is to remain an independent party with specific knowledge of commissioned systems on the project. The CxA shall investigate the scope and extent of the problem and facilitate communication to determine responsibilities by delineating specifications. The CxA shall monitor resolution for conformance with design intent and prevailing industry standards.
- F. The CxA shall document the date of acceptance as determined by the construction manager, owner and design team.

3.2 SYSTEMS INCLUDED IN THE COMMISSIONING PROCESS

- A. HVAC and HVAC Controls
- B. Domestic Hot Water
- C. Lighting Controls
- D. Security Systems - (Security Management and Video Management Systems)

3.3 CONTRACTOR SCHEDULING

- A. Commissioning Schedule: Integrate commissioning into Contractor's construction schedule.
 - 1. Include detailed commissioning activities in monthly updated Contractor's construction schedule and short interval schedule submittals.
 - 2. Schedule the start date and duration for the following commissioning activities:
 - a. Submittals.
 - b. Preliminary operation and maintenance manual submittals.
 - c. System verification checklists
 - d. Operation and Maintenance Manuals
 - e. Startup
 - f. Functional performance tests
 - g. Operation and Maintenance Training
 - h. As-Built/Existing Conditions Documents
 - i. Near End of Warranty Review
- B. Two-Week Look-Ahead Commissioning Schedule:
 - 1. Two weeks prior to the beginning of tests, submit a detailed two-week look-ahead schedule. Thereafter, submit updated two-week look-ahead schedules weekly for the duration of commissioning.
- C. Owner's Witness Coordination:
 - 1. Coordinate Owner's witness participation via Architect.
 - 2. Notify Architect of commissioning schedule changes at least one week in advance for activities requiring the participation of Owner's witness.

3.4 COMMISSIONING PLAN

- A. Commissioning Team
 - 1. The Commissioning Team (CT) shall consist of key parties involved in design, construction and testing of this facility. It is necessary for each agency to appoint team members that will have long-term commitments to this project. One team member shall be provided by each of the parties listed below:

- a. Owner Representative – University of Kentucky
- b. Project Architect – Lord Aeck Sargent Architect
- c. Design Engineer – Staggs & Fisher Engineers
- d. Commissioning Authority (CxA) – Facility Commissioning Group, Inc.
- e. General Contractor (GC)
- f. Mechanical Contractor (MC)
- g. Sheet Metal Contractor (SM)
- h. Controls Installation Contractor (CIC)
- i. Controls Supplier (CS)
- j. Test and Balance Contractor (TABC)
- k. Electrical Contractor (EC)
- l. Lighting Controls Equipment Contractor (LCEC)
- m. Security System Contractor (SSC)

B. Owner's Project Requirements and Basis of Design Documents

1. The Owner's Project Requirements (OPR) is a written document prepared by the owner and the design team that details the functional requirements of a project and the expectations of how it will be used and operated.
2. The Basis of Design (BOD) is a document prepared by the design team that records the concepts, calculations, decisions, and product selections used to meet the Owner's Project Requirements and to satisfy applicable regulatory requirements, standards, and guidelines. This instrument contains narrative descriptions and supporting documentation.

C. The CxA will review the OPR and BOD documents for commissioning provisions, functional performance, optimizing of performance, accessibility, TAB provisions, testing provisions and O&M considerations.

D. Commissioning Meetings

1. Commissioning meetings will be held in conjunction with progress meetings as necessary. The CxA will be on site for the Cx meetings. Commissioning meetings will be used to address any problems that alter the design intent or affect the commissioning process.

E. Resolution Tracking Forms (RTF)

1. The use of Resolution Tracking Forms is a method employed by the CxA to monitor and record problems, their causes, and solutions. The use of these lists promotes communication between the installing contractors, design team, commissioning agent, and owner, in order to expedite their resolution in a timely manner.
2. The CxA will regularly submit RTF's to the Commissioning Team in order to document and resolve deficiencies as quickly as possible. The frequency of RTF submission will be adjusted as project conditions dictate.

F. System Verification Checklists (SVC) / Manufacturers' Checklists

1. The CxA will write SVC's based on the contract documents. These tests will be created for systems and subsystems. See section 3.2 SYSTEMS INCLUDED IN THE COMMISSIONING PROCESS for list of systems to be commissioned. Draft copies will be submitted to the Commissioning Team for review and comment prior to placement on the job site. A master copy of the SVC's will be bound in a three-ring binder and placed on the job site for completion by the installing contractors. No system will be started until the appropriate SVC's have been completed.
2. The CxA will review the SVC for each piece of equipment prior to start-up.
3. The equipment manufacturers' checklists must also be reviewed by the CxA prior to start-up. These lists must be completed by the installing contractor, and reviewed by the CxA before start-up commences.

G. Start-Up

1. Start-up of major commissioned systems will be witnessed the CxA. The appropriate contractors and/or manufacturer's representative will be required on site to perform start-up. No system will be started until the appropriate SVC's have been completed.

H. Controls Monitoring

1. Close monitoring of the Control Supplier's (CS) progress will promote efficient coordination of the TAB work. The CS will be expected to submit point-to-point checklists verifying that his work has been completed and all systems are ready for TAB work and Functional Performance Testing.

I. TAB Monitoring

1. The preliminary TAB report set-up will be reviewed prior to HVAC equipment start-up, in order to assure that the final TAB report format and content are acceptable.
2. TAB work will be monitored so that any problems that prevent or hinder proper air and water balance can be addressed and corrected with minimal delays.
3. A pencil copy of the TAB report will be reviewed prior to submission of the final TAB report and before Functional Performance Tests can begin. A written CxA review will be submitted to the TAB contractor and to the Design Team for their comments. A TAB report approved by the DT will be required before Functional Performance Testing can be carried out. The CxA will visit the site during the TAB process in order to assist TABC and CC in the effective completion of their scope of work.

J. Functional Performance Tests (FPT)

1. The CxA will write FPT's based on the OPR. These tests will be created for systems and subsystems. See section 3.2 'SYSTEMS INCLUDED IN THE COMMISSIONING PROCESS' for list of systems to be commissioned above. Each major system will be tested. A random sample of each subsystem will be tested. This will be coordinated and witnessed by the CxA and the owner's maintenance staff. Witnessing the FPT's will serve as a compliment to the O&M Training. No FPT's will be performed until the system and related subsystems SVC's are completed by installing contractors, startup reports have been submitted, the TAB report has been submitted and reviewed, and the completion of the control system has been documented through point-to-point checklists and other documentation.
2. The Functional Performance Tests shall include HVAC, HVAC Controls, Domestic Hot Water, Lighting Controls and Security Systems equipment.
 - a. Fan Coil Units will be tested at minimum and maximum airflow setpoints, and under automatic control. Intermediate settings will be tested as necessary.
 - b. Split systems will be tested for conformance to OPR and BOD.
 - c. DDC control systems will be tested as necessary to achieve OPR conformance.
 - d. HVAC systems will be tested to assure that the building as an integrated system operates properly.
 - e. Domestic Hot Water systems will be tested in designed modes under relevant operating conditions for conformance to OPR and BOD.
 - f. Lighting Controls will be tested to assure that the building as an integrated system operates properly.
 - g. The security system contractor will demonstrate to the CxA design intent conformance of video management system (VMS) operation including cameras, camera network and recording. With the CxA present the security system contractor will verify proper operation of commissioned systems.
 - h. The security system contractor will demonstrate to the CxA design intent conformance of Security Management System (SMS) operation including Access Control, Duress Buttons, Emergency Call Boxes, electrified door hardware interfaces to other systems and remote monitoring and control. With the CxA present, the security system contractor will verify proper operation of commissioned systems.
3. Off-season mode testing will be implemented as necessary to assure conformance with the OPR. Installing contractors will be expected to participate as required by the project specifications.

3.4 ROLES AND RESPONSIBILITIES OF INSTALLING CONTRACTORS

A. Installing Contractor Roles

1. General Contractor (GC)
2. Mechanical Contractor (MC)
3. Sheet Metal Contractor (SMC)
4. Testing, Adjusting and Balance Contractor (TABCO)
5. Temperature Controls Contractor (TCC)
6. Electrical Contractor (EC)
7. Lighting Controls Equipment Contractor (LCEC)
8. Plumbing Contractor (PC)
9. Security System Contractor (SSC)

B. General Contractor Responsibilities (GC)

1. Assure acceptable representation, with the means and authority to prepare and coordinate execution of the commissioning program as described in the contract documents.
2. Assure that the CxA shall receive a copy of all construction documents, addenda, change orders and appropriate approved submittals and shop drawings for review and use in development of the commissioning plan.
3. Coordinate inclusion of commissioning activities in the construction schedule.
4. Facilitate resolution of deficiencies identified by observation or performance testing.

C. Mechanical Contractor (MC) Responsibilities

1. Include requirements for submittal data (including partial load data), O&M data, and training in each purchase order or sub-contract.
2. Assure cooperation and participation of specialty sub-contractors such as sheet metal, piping, refrigeration, water treatment, temperature controls, and TAB in commissioning activities.
3. Assure participation of major equipment manufacturers in appropriate startup, training, and testing activities.
4. Attend commissioning meetings scheduled by the CxA.
5. Assist the CxA in system verification and performance testing.
6. Prepare preliminary schedule for commissioned system inspections, O&M manual submission, training sessions, pipe and duct system testing, flushing and cleaning, equipment start-up, system verification, performance testing, and system completion for use by the CxA. Update schedule as appropriate throughout the construction period.
7. Complete System Verification Checklists and manufacturer's pre-start checklists prior to scheduling startup of commissioned equipment.
8. Monitor and respond to Resolution Tracking Forms distributed by the CxA in order to expedite corrective actions necessary to achieve design intent.
9. Notify the CxA a minimum of two weeks in advance of scheduled system start-up.
10. Update drawings to as-built condition and review with the CxA throughout the construction process.
11. Schedule vendor and subcontractor provided training sessions as required by project specifications.
12. Provide written notification that the following work has been completed in accordance with the project specifications, and that the equipment, systems and sub-systems are operating in accordance with design intent.
 - a. HVAC equipment including fans, air handling units, dehumidification units, ductwork, dampers, terminal devices, etc.
 - b. Fire detection and smoke detection devices furnished under other divisions as they affect the operation of the HVAC systems.
 - c. That BAS is functioning in accordance with design intent.
13. Participate in the Functional Performance Tests as required to achieve design intent.
14. Participate in the off-season mode testing as required to achieve design intent.
15. Participate in O&M Training as required by project specifications.
16. Provide a complete set of as-built drawings and O&M manuals for review.

D. Sheet Metal Contractor Responsibilities (SMC)

1. Include requirements for submittal data (including partial load data), O&M data, and training in each purchase order or sub-contract.
2. Assure cooperation and participation of specialty sub-contractors such as piping, refrigeration, water treatment, temperature controls, and TAB in commissioning activities.
3. Assure participation of major equipment manufacturers in appropriate startup, training, and testing activities.
4. Attend commissioning meetings scheduled by the CxA.
5. Assist the CxA in system verification and performance testing.
6. Prepare preliminary schedule for commissioned system inspections, O&M manual submission, training sessions, pipe and duct system testing, flushing and cleaning, equipment start-up, system verification, performance testing, and system completion for use by the CxA. Update schedule as appropriate throughout the construction period.
7. Complete System Verification Checklists and manufacturer's pre-start checklists prior to scheduling startup of commissioned equipment.
8. Monitor and respond to Resolution Tracking Forms distributed by the CxA in order to expedite corrective actions necessary to achieve design intent.
9. Notify the CxA a minimum of two weeks in advance of scheduled system start-up.
10. Update drawings to as-built condition and review with the CxA throughout the construction process.
11. Schedule vendor and subcontractor provided training sessions as required by project specifications.
12. Provide written notification that the following work has been completed in accordance with the project specifications, and that the equipment, systems and sub-systems are operating in accordance with design intent.
 - a. HVAC equipment including fans, air handling units, dehumidification units, ductwork, dampers, terminal devices, etc.
 - b. Fire detection and smoke detection devices furnished under other divisions as they affect the operation of the HVAC systems.
13. Participate in the Functional Performance Tests as required to achieve design intent.
14. Participate in the off-season mode testing as required to achieve design intent.
15. Participate in O&M Training as required by project specifications.
16. Provide a complete set of as-built drawings and O&M manuals for review.

E. Test and Balance Contractor Responsibilities (TABC)

1. Attend commissioning meetings scheduled by the CxA.
2. Submit the TAB procedures and preliminary TAB report to the CxA for review at least two weeks prior to beginning TAB work.
3. Notify the CxA a minimum of two weeks in advance of scheduled TAB work.
4. Provide partial, preliminary TAB Reports by phase, by building section, by system, or as required by the CxA.
5. Assist the CxA in system verification and performance testing.
6. Monitor and respond to Resolution Tracking Forms distributed by the CxA in order to expedite corrective actions necessary to achieve design intent.
7. Participate in verification of the TAB report, which will consist of repeating any selected measurement contained in the TAB report where required by the CxA for verification or diagnostic purposes.
8. Participate in the Functional Performance Tests as required to achieve design intent.
9. Provide sound and vibration measurements where required to assist in diagnosis of areas exhibiting unacceptable levels of noise or vibration.
10. Participate in the off-season mode testing as required to achieve design intent.
11. Participate in O&M Training as required by project specifications.

F. Temperature Control Contractor Responsibilities (TCC)

1. Review control sequence and component selection for conformance with design intent.
 - a. Verify that specified safeties and interlocks have been selected.
 - b. Verify proper selection of control valves and actuators based on design parameters.
 - c. Verify proper selection of control dampers and actuators based on design parameters.

- d. Verify that sensor selection conforms to design intent.
2. Attend commissioning meetings scheduled by the CxA.
3. Provide the following submittals to the CxA:
 - a. Hardware and software submittals.
 - b. Control panel construction shop drawings.
 - c. Narrative description of control sequences for each commissioned system and subsystem.
 - d. Schematics showing all control points, sensor locations, point names, actuators, controllers and where necessary, points of access.
 - e. A list of all control points, including analog inputs, analog outputs, digital inputs and digital outputs. Include the values of all parameters for each system point. Provide a separate list for each stand-alone control unit.
 - f. A complete listing of all software routines employed in operating the control system. Also provide a program narrative that describes the logic flow of the software and the functions of each routine and sub-routine. The narrative should also explain individual math or logic operations that are not clear from reading the software listing.
 - g. Hardware operation and maintenance manuals.
 - h. Application software and project applications code manuals.
 - i. Panel and equipment insert documents.
4. Verify that specified interfaces provided by others are compatible with BAS hardware and software.
5. Coordinate installation and programming of BAS with construction and commissioning schedules.
6. Complete System Verification Checklists and manufacturer's pre-start checklists prior to scheduling startup of commissioned equipment.
7. Provide control system technician to assist during equipment startup.
8. Monitor and respond to Resolution Tracking Forms distributed by the CxA in order to expedite corrective actions necessary to achieve design intent.
9. Participate in the Functional Performance Tests as required by the project specifications.
10. Provide a control system technician to assist during verification and performance testing.
11. Provide system modifications to achieve system operation as defined by the design intent.
12. Provide support and coordination for TAB contractor. Provide all devices, such as portable operator terminals and all software for the TAB to use in completing TAB procedures.
13. Provide written notification that the TCC scope of work has been completed in accordance with the project specifications, and that the equipment, systems and sub-systems are operating in accordance with design intent, and that BAS is functioning in accordance with design intent.
14. Participate in the Functional Performance Tests as required to achieve design intent.
15. Participate in the off-season mode testing as required to achieve design intent.
16. Participate in O&M Training as required by project specifications. Include training on hardware operations and programming.

G. Electrical Contractor Responsibilities (EC, LCEC)

1. Review design for provision of power to the commissioned equipment.
 - a. Verify proper hardware specifications exist for performance as defined by the OPR.
 - b. Verify proper safeties and interlocks are included in the design of electrical connections for HVAC equipment.
2. Attend commissioning meetings scheduled by the CxA.
3. Verify proper installation and performance of all electrical services provided.
4. Complete System Verification Checklists and manufacturer's pre-start checklists prior to scheduling startup of commissioned equipment.
5. Monitor and respond to Resolution Tracking Forms distributed by the CxA in order to expedite corrective actions necessary to achieve design intent.
6. Provide an electrical system technician to assist during verification and performance testing.
7. Participate in the Functional Performance Tests as required to achieve design intent.
8. Participate in the off-season mode testing as required to achieve design intent.
9. Participate in O&M Training as required by project specifications.
10. Provide a complete set of as-built drawings and O&M manuals for review.

H. Plumbing Contractor Responsibilities (PC)

1. Include cost for commissioning requirements in the contract price.
2. Review design for provision of power to equipment.
 - a. Verify proper hardware specifications exist for performance as defined by the OPR.
 - b. Verify proper safeties and interlocks are included in the design of electrical connections for plumbing equipment.
3. Attend commissioning meetings scheduled by the CxA.
4. Furnish instrumentation required for demonstration of Owner's Project Requirements compliance of installed systems equipment and assemblies for systems to be commissioned.
5. Verify proper installation and performance of all plumbing installation services provided.
6. Complete System Verification Checklists and manufacturer's pre-start checklists prior to scheduling startup of commissioned plumbing equipment.
7. Monitor and respond to Resolution Tracking Forms distributed by the CxA in order to expedite corrective actions necessary to achieve design intent.
8. Provide a plumbing system technician to assist during verification and performance testing.
9. Participate in the Functional Performance Tests as required to achieve design intent.
10. Participate in the off-season mode testing as required to achieve design intent.
11. Participate in O&M Training as required by project specifications.

I. Security System Contractor Responsibilities (SSC)

1. Include cost for commissioning requirements in the contract price.
2. Review design for provision of power to equipment.
 - a. Verify proper hardware specifications exist for performance as defined by the OPR.
 - b. Verify proper safeties and interlocks are included in the design of electrical connections for plumbing equipment.
3. Attend commissioning meetings scheduled by the CxA.
4. Furnish instrumentation required for demonstration of Owner's Project Requirements compliance of installed systems equipment and assemblies for systems to be commissioned.
5. Verify proper installation and performance of all security installation services provided.
6. Complete System Verification Checklists and manufacturer's pre-start checklists prior to scheduling startup of commissioned security equipment.
7. Coordinate with Owner's personnel (Security Personnel, IT) and their integrator(s) during the installation of the systems.
8. Monitor and respond to Resolution Tracking Forms distributed by the CxA in order to expedite corrective actions necessary to achieve design intent.
9. Provide a security system technician to assist during verification and performance testing.
10. Participate in the Functional Performance Tests as required to achieve design intent.
11. Participate in O&M Training as required by project specifications.

J. Contractor Commissioning Compliance Issues (Applies to all Installing Contractors):

1. Test results that are not within the range of acceptable results are commissioning compliance issues.
2. Track and report commissioning compliance issues until resolution and retesting are successfully completed.
3. If a test demonstration fails, determine the cause of failure. Direct timely resolution of issue and then repeat the demonstration. If a test demonstration must be repeated due to failure caused by Contractor work or materials, reimburse Owner for billed costs for the participation in the repeated demonstration.
4. Test Results: If a test demonstration fails to meet the acceptance criteria, perform the following:
 - a. Complete a commissioning compliance issue report form promptly on discovery of test results that do not comply with acceptance criteria.
 - b. Submit commissioning compliance issue report form to the Commissioning Team.
 - c. Determine the cause of the failure.
 - d. Establish responsibility for corrective action if the failure is due to conditions found to be Contractor's responsibility.
5. Commissioning Compliance Issue Report: Provide a commissioning compliance issue report for each issue. Do not report multiple issues on the same commissioning compliance issue report.

- a. Exception: If an entire class of devices is determined to exhibit the identical issue, they may be reported on a single commissioning compliance issue report. For example, if all return-air damper actuators that are specified to fail to the open position are found to fail to the closed position, they may be reported on a single commissioning issue report. If a single commissioning issue report is used for multiple commissioning compliance issues, each device shall be identified in the report, and the total number of devices at issue shall be identified.
 - b. Complete and submit the commissioning compliance issue report immediately when the condition is observed.
 - c. Record the commissioning compliance issue report number and describe the deficient condition on the data form.
 - d. Resolve commissioning compliance issues promptly and report resolutions to the Commissioning Team.
6. Diagnose and correct failed test demonstrations as follows:
 - a. Perform diagnostic tests and activities required to determine the fundamental cause of issues observed.
 - b. Record each step of the diagnostic procedure prior to performing the procedure. Update written procedure as changes become necessary.
 - c. Record the results of each step of the diagnostic procedure.
 - d. Record the conclusion of the diagnostic procedure on the fundamental cause of the issue.
 - e. Determine and record corrective measures.
 - f. Include diagnosis of fundamental cause of issues in commissioning compliance issue report.
7. Retest:
 - a. Schedule and repeat the complete Functional Performance Test procedure for each test demonstration for which acceptable results are not achieved. Obtain signature of Owner's witness on retest data forms. Repeat test demonstration until acceptable results are achieved. Except for issues that are determined to result from design errors or omissions, or other conditions beyond Contractor's responsibility, compensate Owner for direct costs incurred as the result of repeated test demonstrations to achieve acceptable results.
8. Do not correct commissioning compliance issues during test demonstrations.
 - a. Exceptions will be allowed if the cause of the issue is obvious and resolution can be completed in a mutually agreed upon brief timeframe by the Commissioning Team. If corrections are made under this exception, note the deficient conditions on the test data form and issue a commissioning compliance issue report.

END OF SECTION

SECTION 22 08 00 – COMMISSIONING OF DOMESTIC HOT WATER

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commissioning process requirements for domestic hot water systems, assemblies, and equipment.
- B. Related Sections include the following:
 - 1. Division 1 Section 019113 "Commissioning Of HVAC, HVAC Controls, Domestic Hot Water, Lighting Controls, and Security Systems" for commissioning process requirements.
 - 2. Division 22 Sections for plumbing equipment, systems, and control requirements.

PART 2 – PRODUCTS

- 2.1 Not used.

PART 3 – EXECUTION

- 3.1 Not used.

END OF SECTION

SECTION 23 08 00 – COMMISSIONING OF HVAC AND HVAC CONTROLS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commissioning process requirements for HVAC and HVAC Controls systems, assemblies, and equipment.
- B. Related Sections include the following:
 - 1. Division 1 Section 019113 "Commissioning Of HVAC, HVAC Controls, Domestic Hot Water, Lighting Controls, and Security Systems" for commissioning process requirements.
 - 2. Division 23 Sections for HVAC equipment, systems, and control requirements.

PART 2 – PRODUCTS

- 2.1 Not used.

PART 3 – EXECUTION

- 3.1 Not used.

END OF SECTION

SECTION 26 08 00 – COMMISSIONING OF LIGHTING CONTROLS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commissioning process requirements for lighting controls and electrical systems, assemblies, and equipment.
- B. Related Sections include the following:
 - 1. Division 1 Section 019113 "Commissioning Of HVAC, HVAC Controls, Domestic Hot Water, Lighting Controls, and Security Systems" for commissioning process requirements.
 - 2. Division 26 Sections for lighting controls equipment, systems, and control requirements.

PART 2 – PRODUCTS

- 2.1 Not used.

PART 3 – EXECUTION

- 3.1 Not used.

END OF SECTION

SECTION 28 08 00 – COMMISSIONING OF SECURITY SYSTEM

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, and other Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commissioning process requirements for security camera and door systems, assemblies, and equipment.
- B. Related Sections include the following:
 - 1. Division 1 Section 019113 "Commissioning Of HVAC, HVAC Controls, Domestic Hot Water, Lighting Controls, and Security Systems" for commissioning process requirements.
 - 2. Division 28 Sections for security equipment, systems, and control requirements.

PART 2 – PRODUCTS

- 2.1 Not used.

PART 3 – EXECUTION

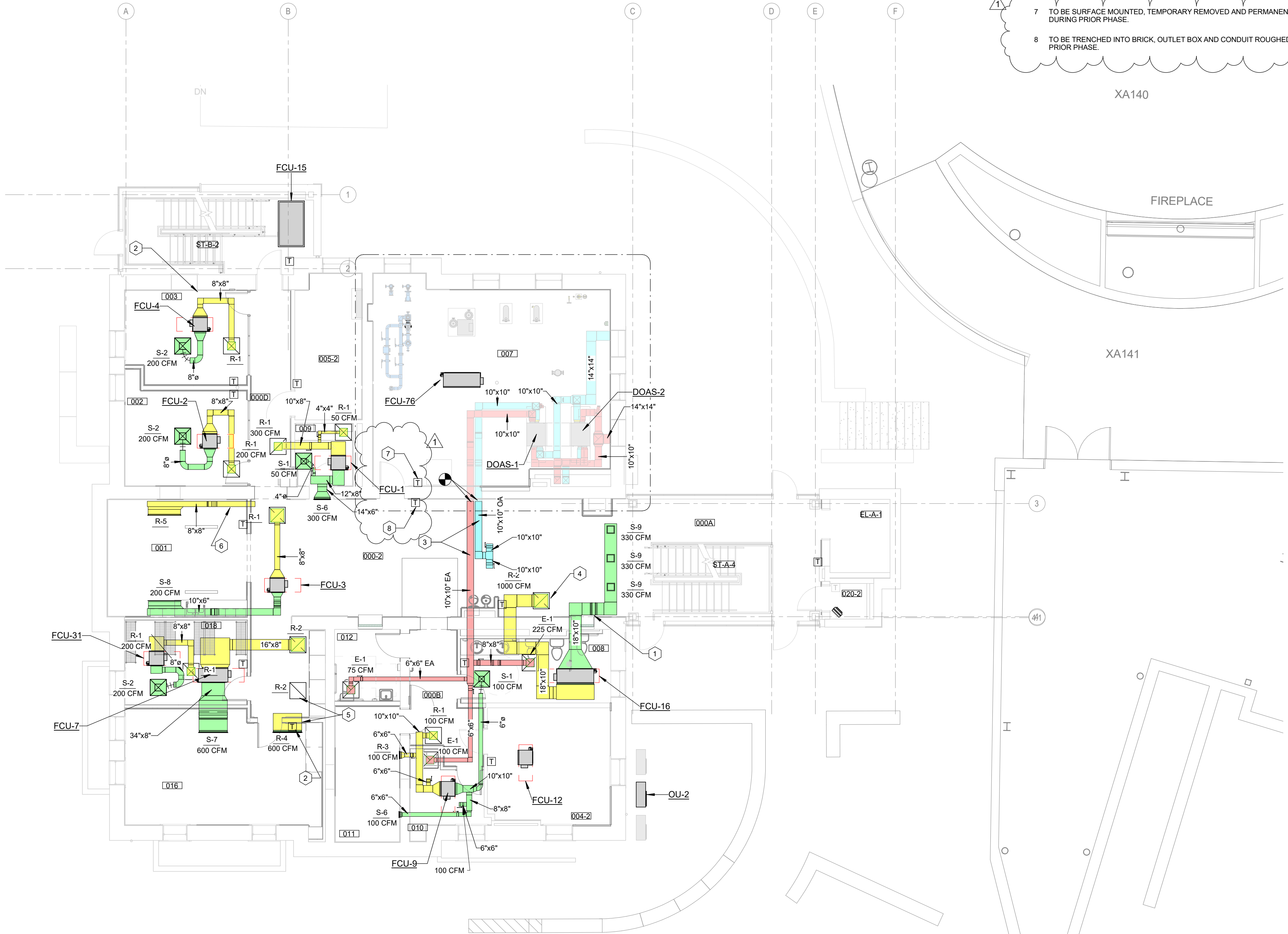
- 3.1 Not used.

END OF SECTION

BM 360//11396-00 UK Frazee Hall/20312.R21 UK Frazee Hall MEP_detached.rvt
11/2/2022 5:24:19 PM

ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
000-2	HALL-2
000A	HALL
000B	HALL
000D	HALL
001	BREAK ROOM
002	BASIC NEEDS OFFICE
003	BASIC NEEDS OFFICE
004-2	ELECTRICAL-2
005-2	MDF-2
007	MECHANICAL
008	W RESTROOM
009	MAIL ROOM
010	JANITORS CLOSET
011	STORAGE
012	RESTROOM
016	BIG BLUE PANTRY
018	BIG BLUE PANTRY STORAGE
020-2	STORAGE-2

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



GROUND FLOOR - HVAC PLAN
SCALE: 1/8" = 1'-0"

- CODED NOTES:**
- COORDINATE DUCT WORK AT THIS APPROXIMATE LOCATION WITH STRUCTURE AND CEILING. HOLD DUCT AS HIGH AS POSSIBLE.
 - THERMOSTAT, TYPICAL.
 - DUCT WORK LOCATE ABOVE CEILING. HOLD DUCT AS HIGH AS POSSIBLE.
 - COORDINATE RETURN AIR GRILLE WITH CEILING TILE. COORDINATE WITH ARCHITECTURAL PLAN.
 - PLACE R-4 DUCT SO IF FEEDS OUT TO ABOVE THE CEILING IN CORRIDOR, THEN THE AIR WILL GO DOWN BELOW CEILING THROUGH THE R-2 (WITHOUT FILTER).
 - PLACE R-5 DUCT SO IF FEEDS OUT TO ABOVE THE CEILING AND STUB OUT INTO 000-2.
 - TO BE SURFACE MOUNTED, TEMPORARY REMOVED AND PERMANENT INSTALLED DURING PRIOR PHASE.
 - TO BE TRENCHED INTO BRICK, OUTLET BOX AND CONDUIT ROUGHED IN DURING PRIOR PHASE.

LORD AECK SARGENT
A KATERA COMPANY
© 2021 Lord Aeck Sargent
This drawing is the property of Lord Aeck Sargent and is to be returned upon demand. The information herein is confidential and may not be used or reproduced without the written permission of Lord Aeck Sargent.

REVISION:
1 Addendum 3 11/03/22

STAGGS & FISHER
CONSULTING ENGINEERS, INC.
3204 Loch Ness Drive, Lexington, KY 40517 | 859-271-3246

SHEET TITLE
GROUND FLOOR - HVAC PLAN

JOB NAME
University of Kentucky
2591.3 Renew/Modernize Facilities - Frazee Hall Fit-up
LOCATION
406 Administration Drive Lexington, KY 40508

ISSUE DATE
08/12/2022
JOB NO.
11396-01
DWG. NO.

H100

KEY PLAN

SEAL



PROJECT NORTH



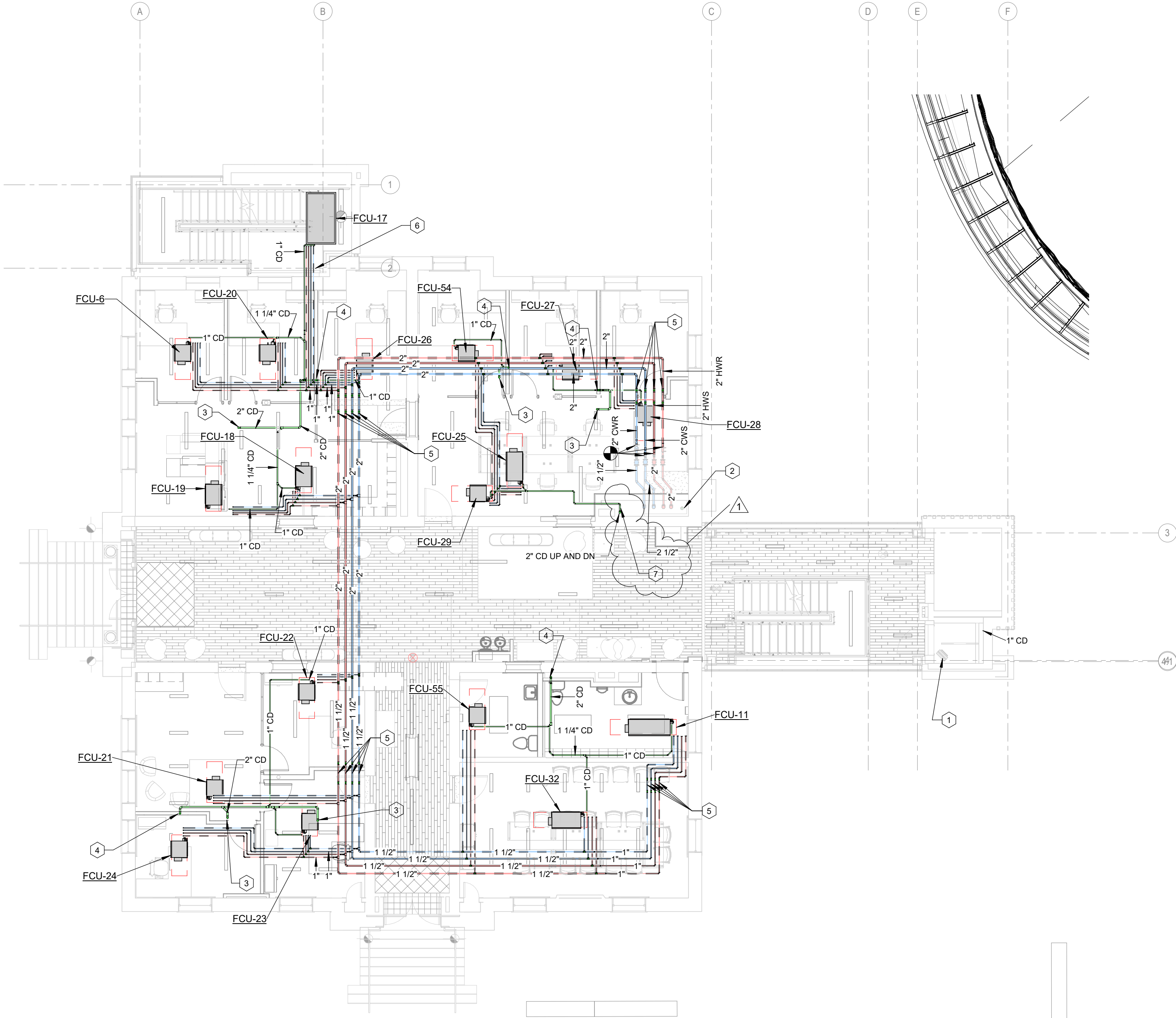
BM 360//11396-00 UK Frazee Hall/20312.R21 UK Frazee Hall MEP_detached.rvt
11/2/2022 5:24:37 PM

ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
100-2	HALL-2
100A-2	HALL-2
101	UNIV ADVISING OPEN OFFICE
101B	UNIV ADVISING OFFICE
101C	UNIV ADVISING OFFICE
101D	UNIV ADVISING RECEPTION
103	K WEEK OPEN OFFICE
103A	K WEEK OFFICE
103B	K WEEK OFFICE
103C	K WEEK OFFICE
103D	K WEEK OFFICE
108	M RESTROOM
110	RESTROOM
112	CONFERENCE ROOM
114	UNIV ADVISING OFFICE
116	UNIV ADVISING RECEPTION
116A	UNIV ADVISING OFFICE
116C	UNIV ADVISING OFFICE
120-2	STORAGE-2

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

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

ALL HYDRONIC PIPING TO BE 3/4" UNLESS NOTED OTHERWISE.



- CODED NOTES:**
- 1 PROVIDE MARKEL ELECTRIC HEATER MODEL 3380, 1.5KW, 120 VOLT. PROVIDE DDC THERMOSTAT TO CYCLE BASED ON ROOM SETPOINT. THERMOSTAT TO CONNECT AND REPORT TO DELTA CENTER.
 - 2 4" SAFETY VENT UP AND DOWN.
 - 3 2" CONDENSATE PIPING DOWN FROM FLOOR ABOVE.
 - 4 2" CONDENSATE PIPING DOWN TO FLOOR BELOW.
 - 5 DROP PIPING DOWN THEN BACK UP TO AVOID BEAM. PROVIDE DRAIN AT LOW POINT.
 - 6 COORDINATE ALL PIPING AT THIS APPROXIMATE AREA WITH STRUCTURE AND ARCHITECTURAL PLAN TO STAIR UNIT.
 - 7 CONDENSATE LINE TO BE INSTALLED INSIDE LIMITS OF SHAFT. STUBBED OUT OF SHAFT AND CAPPED FOR FUTURE TIE-IN DURING PREVIOUS PHASE.

LORD AECK SARGENT
A KATERRA COMPANY

© 2021 Lord Aeck Sargent
This drawing is the property of Lord Aeck Sargent and is to be returned upon demand. The information herein is confidential and may not be used nor divulged without the written permission of Lord Aeck Sargent.

REVISION:	
1	Addendum 3

STAGGS & FISHER
CONSULTING ENGINEERS, INC.

3204 Loch Ness Drive, Lexington, KY 40517 | 859-271-3246

FIRST FLOOR - HYDRONIC PIPING PLAN

SHEET TITLE

SCALE (N.O.)

University of Kentucky
2591.3 Renew/Modernize Facilities - Frazee Hall Fit-up

JOB NAME

LOCATION

406 Administration Drive Lexington, KY 40508

KEY PLAN

SEAL

PROJECT NORTH

ISSUE DATE
08/12/2022

JOB NO.
11396-01

DWG. NO.
H201

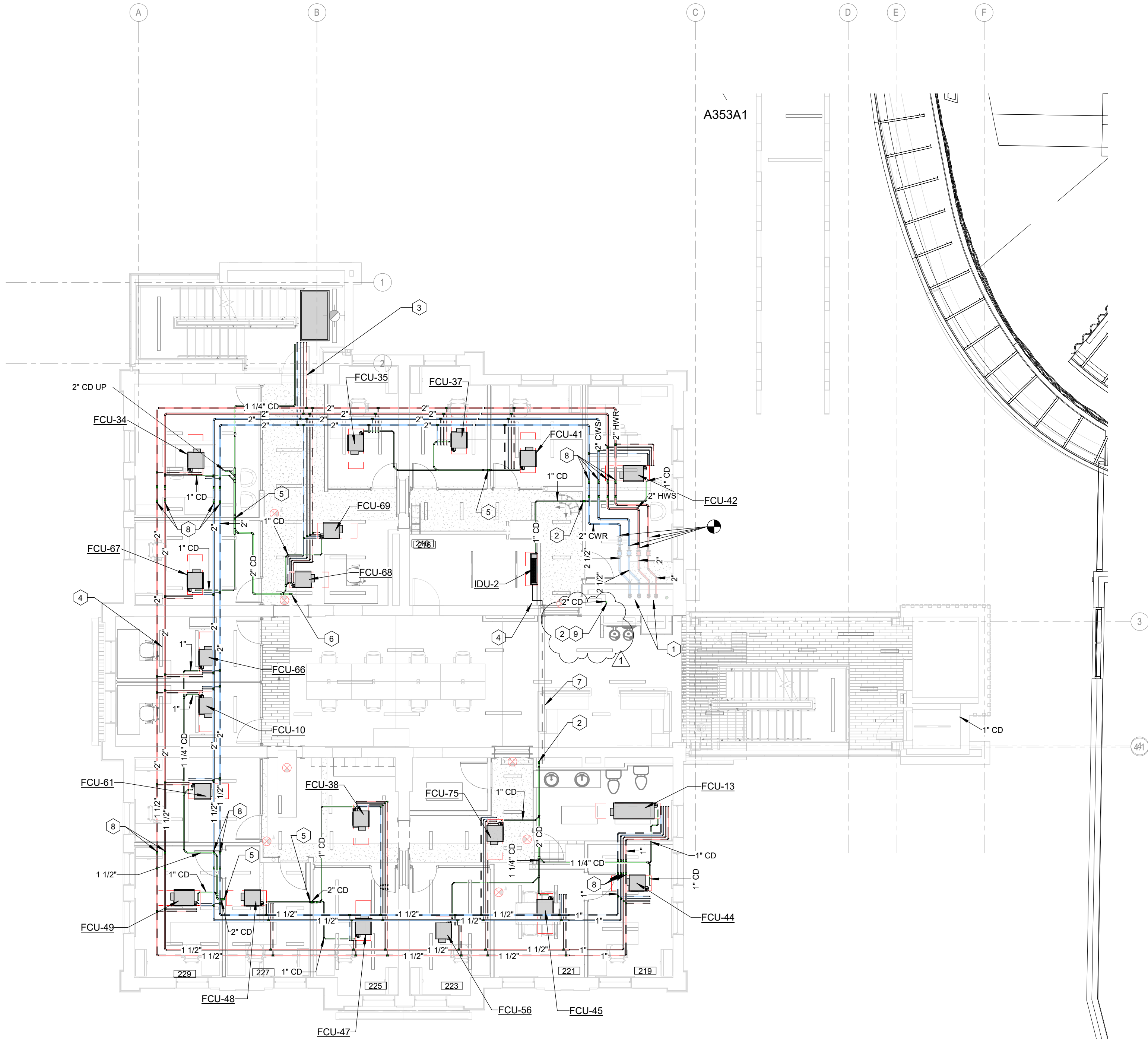
BM 360//11396-00 UK Frazee Hall/20312 R21 UK Frazee Hall MEP_detached.rvt
11/2/2022 5:24:55 PM

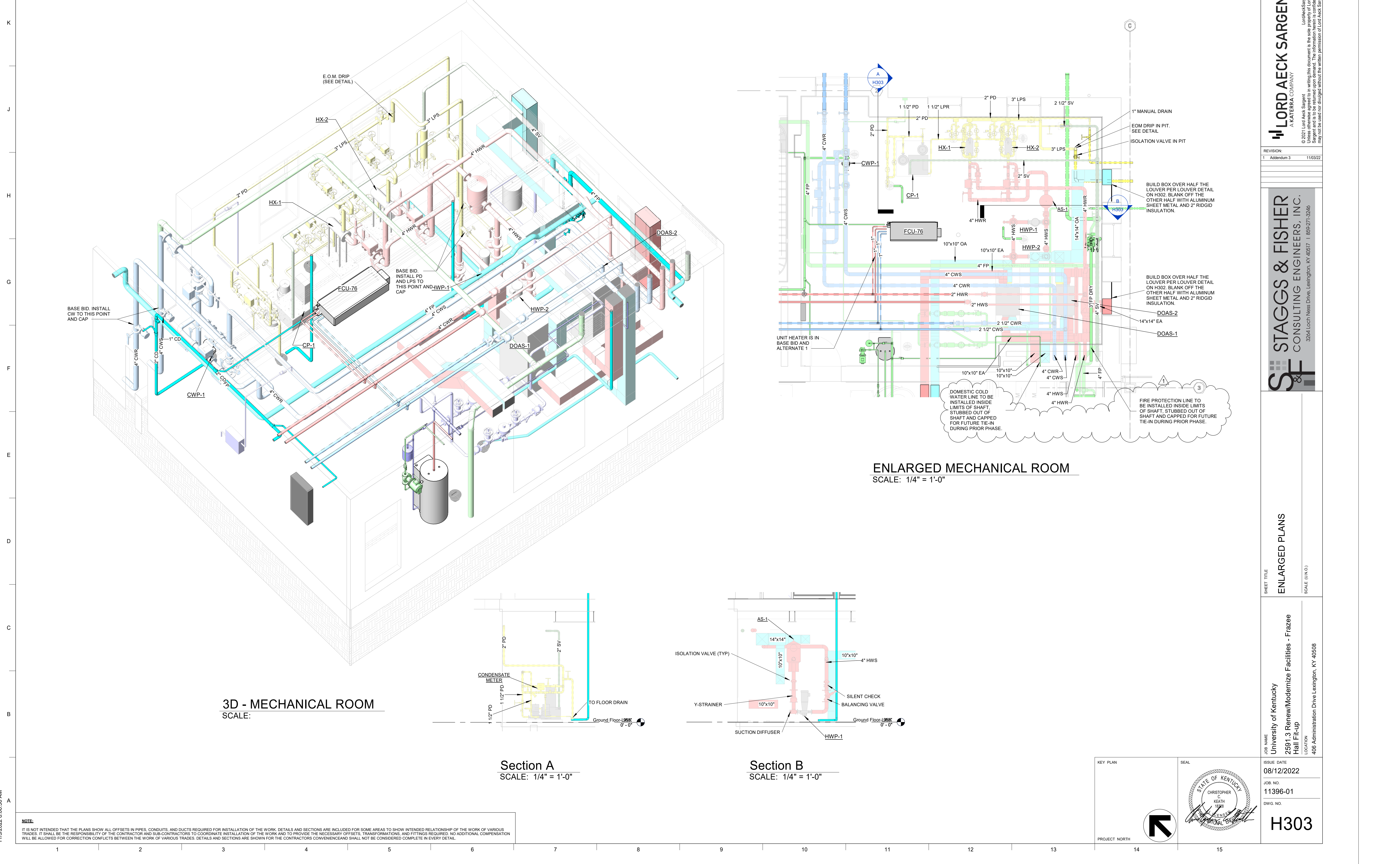
ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
200	RECEPTION
200A-2	HALL-2
200B	FSL OPEN OFFICE
200C	RES LIFE OPEN OFFICE
200D	HALL
200E	HALL
200F	HALL
200G	HALL
201A	RES LIFE OFFICE
201B	RES LIFE OFFICE
202	RES LIFE OPEN OFFICE
203	RES LIFE OFFICE
205	RES LIFE DIRECTOR'S OFFICE
207	RES LIFE OFFICE
209	RES LIFE OFFICE
211	RES LIFE OFFICE
213	ASSOCIATE DEAN'S OFFICE
216	IDF
217	W RESTROOM
218	STORAGE
219	FSL OFFICE
220-2	STORAGE-2
221	COLLABORATIVE OFFICE
223	FSL OFFICE
225	FSL OFFICE
227	ADMIN OFFICE
228	COPY
229	FSL OFFICE
231	FSL OFFICE
ELEV-3	ELEV-3
ST-A-6	STAIR-6

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

ALL HYDRONIC PIPING TO BE 3/4" UNLESS NOTED OTHERWISE.

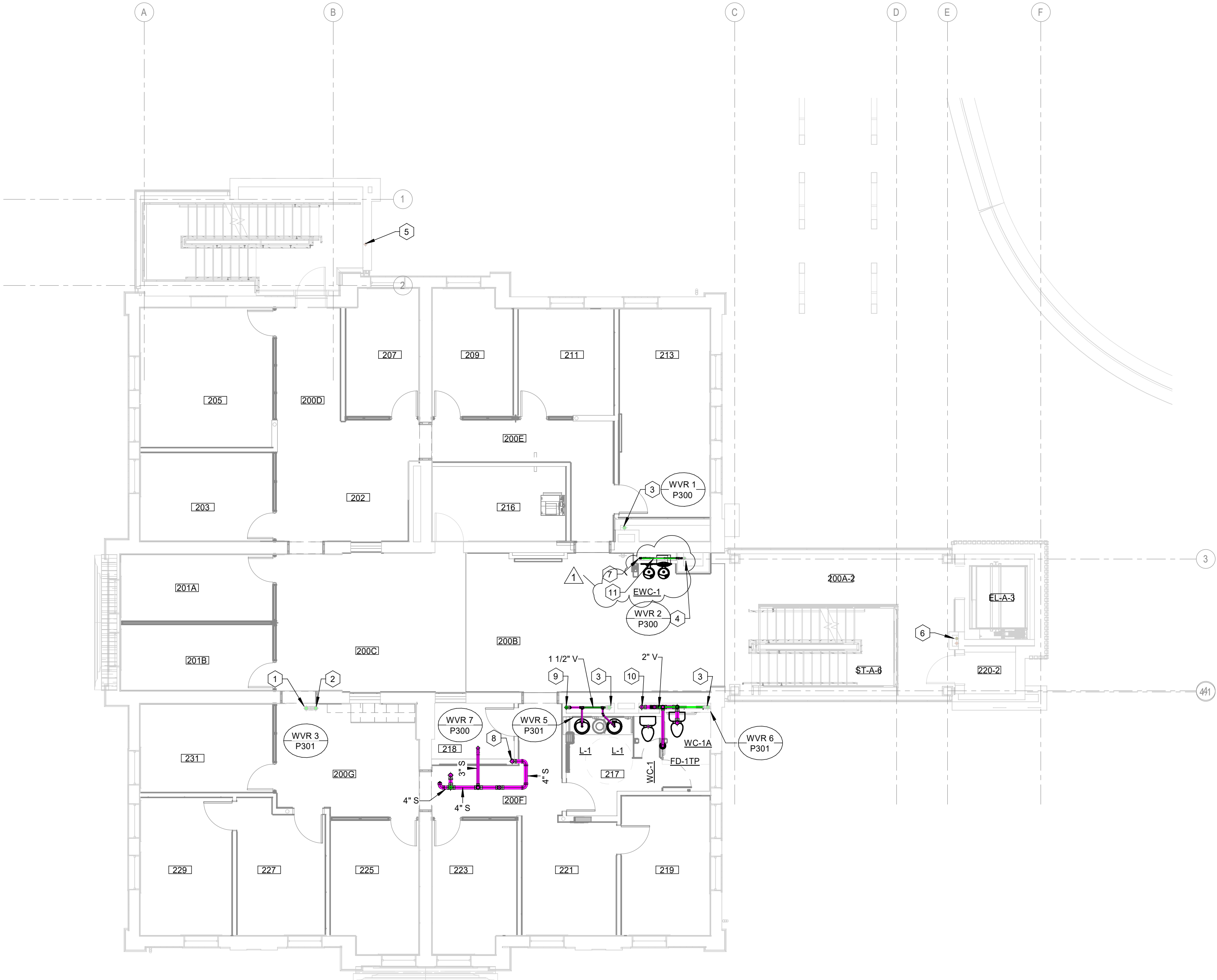




K
J
H
G
F
E
D
C
B
A


ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
200	RECEPTION
200A-2	HALL-2
200B	FSL OPEN OFFICE
200C	RES LIFE OPEN OFFICE
200D	HALL
200E	HALL
200F	HALL
200G	HALL
201A	RES LIFE OFFICE
201B	RES LIFE OFFICE
202	RES LIFE OPEN OFFICE
203	RES LIFE OFFICE
205	RES LIFE DIRECTOR'S OFFICE
207	RES LIFE OFFICE
209	RES LIFE OFFICE
211	RES LIFE OFFICE
213	ASSOCIATE DEAN'S OFFICE
216	IDF
217	W RESTROOM
218	STORAGE
219	FSL OFFICE
220-2	STORAGE-2
221	COLLABORATIVE OFFICE
223	FSL OFFICE
225	FSL OFFICE
227	ADMIN OFFICE
228	COPY
229	FSL OFFICE
231	FSL OFFICE
EL-A-3	ELEV-3
ST-A-6	STAIR-6

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



SECOND FLOOR - PLUMBING PLAN
SCALE: 1/8" = 1'-0"


- CODED NOTES:**
- EXISTING 4" V. FROM BELOW TO REMAIN.
 - EXISTING 4" V. UP TO REMAIN.
 - EXISTING 4" V. UP AND DOWN TO REMAIN.
 - EXISTING 2" S. UP AND DOWN TO REMAIN.
 - EXISTING 3" ROOF LEADER UP AND DOWN TO REMAIN.
 - EXISTING 3" ROOF LEADER AND 3" OVERFLOW ROOF LEADER UP AND DOWN TO REMAIN.
 - NEW 1-1/2" V. UP.
 - NEW 4" S. DOWN.
 - NEW 3" V. UP AND 3" S. DOWN.
 - NEW 4" V. UP AND 4" S. DOWN.
 - LINE TO BE STUBBED OUT OF SHAFT AND CAPPED FOR FUTURE TIE-IN DURING PRIOR PHASE.

**LORD AECK SARGENT**
A KATERRA COMPANY

© 2021 Lord Aeck Sargent, Inc. All rights reserved. This document is the sole property of Lord Aeck Sargent, Inc. and is to be retained upon delivery. The information herein is confidential and may not be used for anything without the written permission of Lord Aeck Sargent, Inc.

REVISION:

1	Addendum 3	11/03/22
---	------------	----------

**STAGGS & FISHER**
CONSULTING ENGINEERS, INC.

3264 Loch Ness Drive, Lexington, KY 40517 | 859-271-3246

SHEET TITLE

SECOND FLOOR - SANITARY WASTE & VENT
PLUMBING PLAN

SCALE (U.N.D.)

JOB NAME

University of Kentucky
2591.3 Renew/Modernize Facilities - Frazee
Hall Fit-up

LOCATION

406 Administration Drive Lexington, KY 40508

ISSUE DATE

08/12/2022

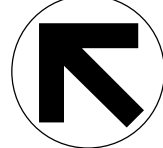
JOB NO.

11396-01

DWG. NO.


P102

KEY PLAN



PROJECT NORTH

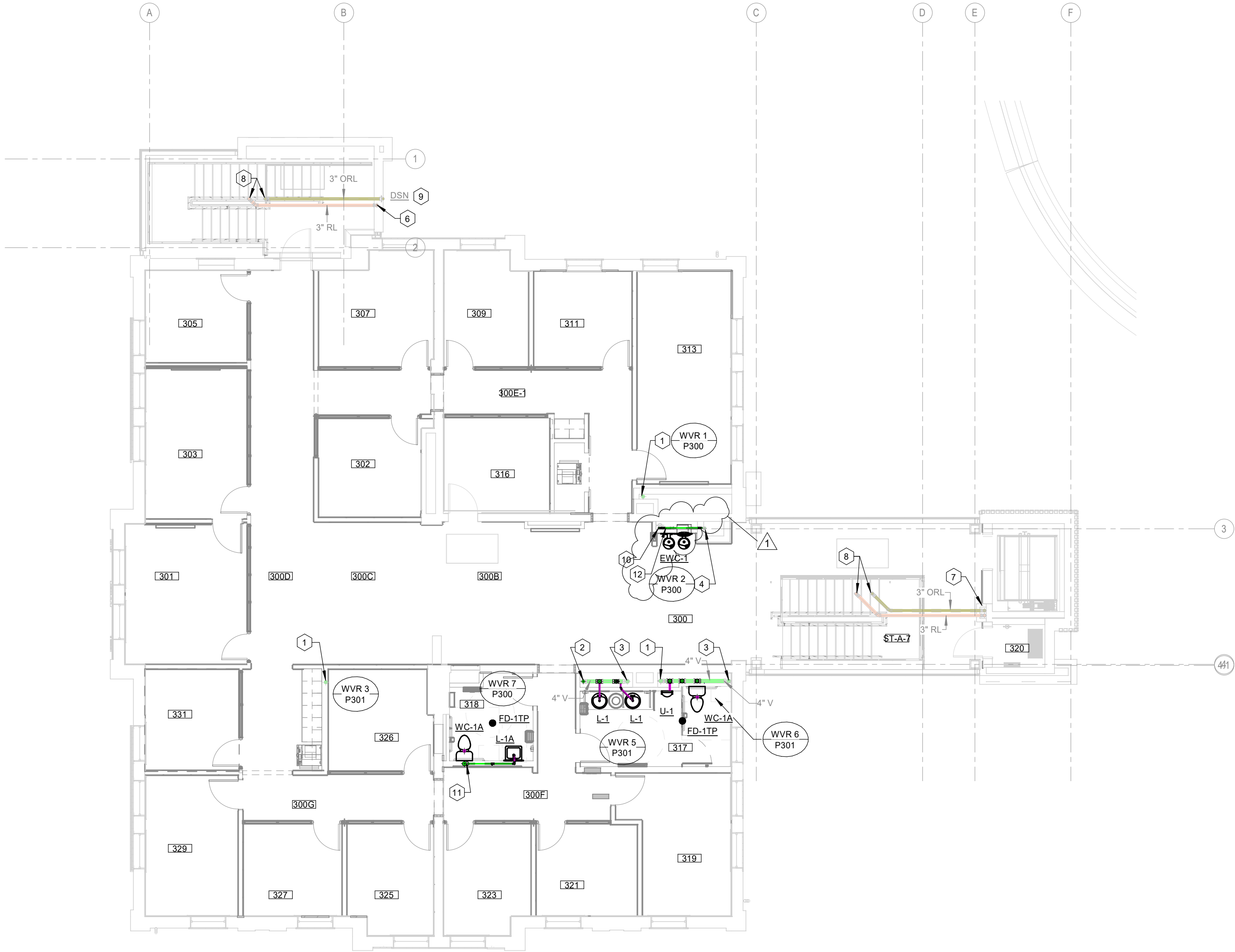
SEAL



K
J
H
G
F
E
D
C
B
A

ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
300	RECEPTION
300A-2	HALL-2
300B	CSI OPEN OFFICE
300C	OSC OPEN OFFICE
300D	HALL
300E-1	HALL-1
300F	HALL
300G	HALL
301	DEANS OFFICE
302	RES LIFE OFFICE
303	CONFERENCE ROOM
305	RES LIFE OFFICE
307	RES LIFE OFFICE
309	OSC OFFICE
311	OSC OFFICE
313	HEARING ROOM
314	COPY
315	STG
316	OSC OFFICE
317	M RESTROOM
318	RESTROOM
319	ASSOCIATE DEAN'S OFFICE
320	STORAGE
321	OSC OFFICE
323	OSC OFFICE
325	CSI OFFICE
326	CSI OFFICE
327	CSI OFFICE
328	COPY AREA
329	CSI OFFICE
331	CSI OFFICE

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

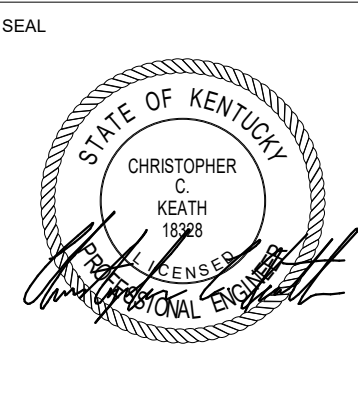
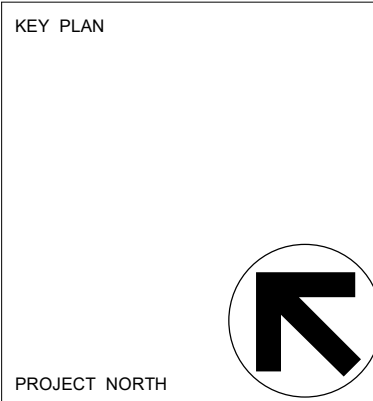


THIRD FLOOR - PLUMBING PLAN
SCALE: 1/8" = 1'-0"

CODED NOTES:

- EXISTING 4" V. UP AND DOWN TO REMAIN.
- EXISTING 4" V. UP TO REMAIN. NEW 3" V. FROM BELOW.
- EXISTING 4" V. FROM BELOW TO REMAIN.
- EXISTING 2" V. UP AND DOWN TO REMAIN.
- EXISTING 3" ROOF LEADER DOWN TO REMAIN.
- EXISTING 3" ROOF LEADER AND 3" OVERFLOW ROOF LEADER DOWN TO REMAIN.
- EXISTING 3" ROOF LEADER AND 3" OVERFLOW ROOF LEADER FROM ROOF DRAIN ABOVE TO REMAIN.
- EXISTING DOWNSPOUT NOZZLE TO REMAIN.
- NEW 1-1/2" V. FROM BELOW.

- NEW 4" V. UP AND DOWN.
- LINE TO BE STUBBED OUT OF SHAFT IN PRIOR PHASE AND CAPPED FOR FUTURE TIE-IN.



JOB NAME
University of Kentucky
2591.3 Renew/Modernize Facilities - Frazee Hall Fit-up
LOCATION
406 Administration Drive Lexington, KY 40508

ISSUE DATE
08/12/2022
JOB NO.
11396-01
DWG. NO.

P103

SHEET TITLE
THIRD FLOOR - SANITARY WASTE & VENT PLUMBING PLAN

SCALE (U.N.O.)

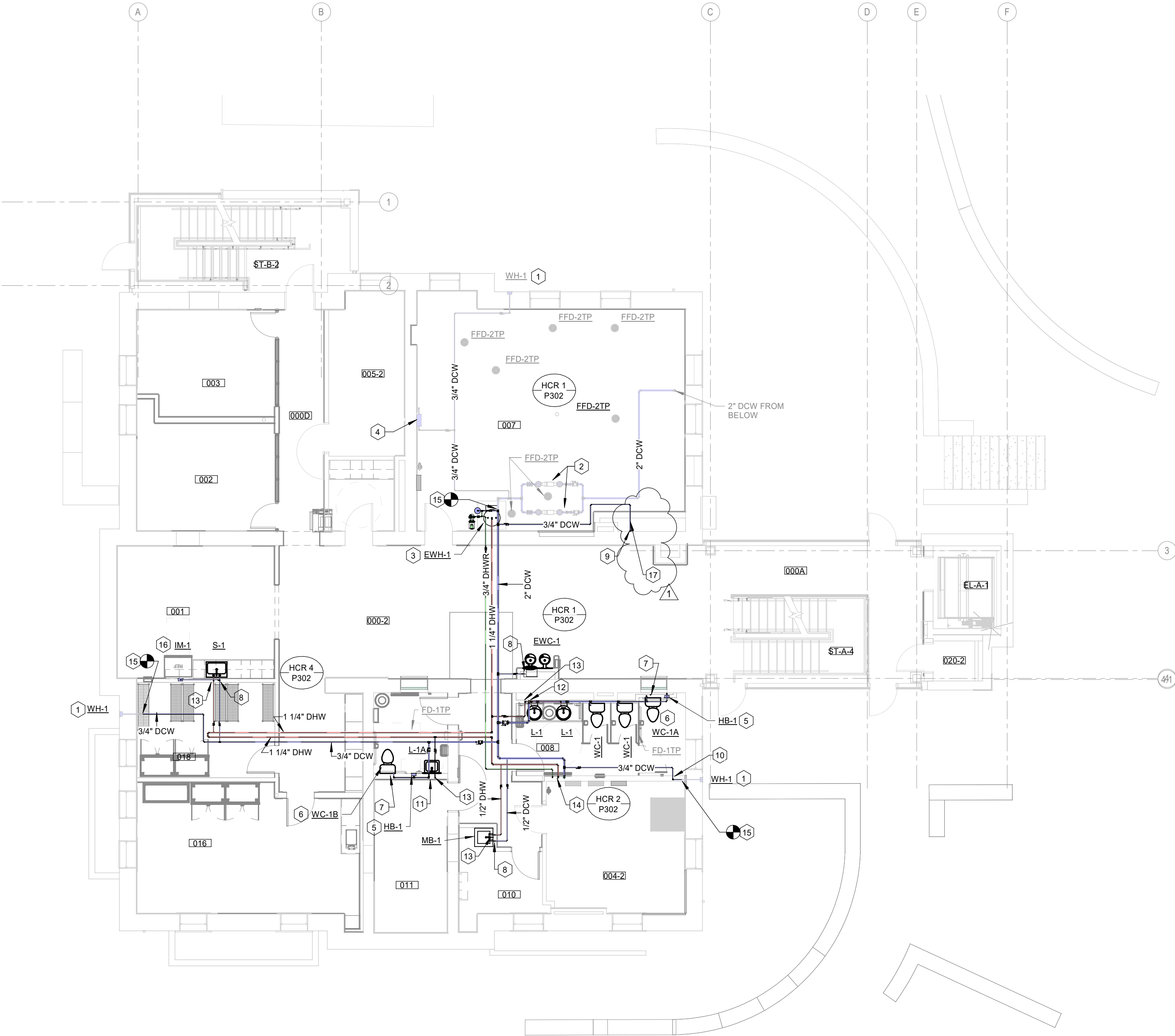
STAGGS & FISHER
CONSULTING ENGINEERS, INC.
3264 Loch Ness Drive, Lexington, KY 40517 | 859-271-3246

LORD AECK SARGENT
A KATERRA COMPANY
© 2021 Lord Aeck Sargent. All rights reserved. This document is the sole property of Lord Aeck Sargent and is to be retained upon demand. No other information herein is to be used without the written permission of Lord Aeck Sargent.

K
J
H
G
F
E
D
C
B
A

ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
000-2	HALL-2
000A	HALL
000B	HALL
000D	HALL
001	BREAK ROOM
002	BASIC NEEDS OFFICE
003	BASIC NEEDS OFFICE
004-2	ELECTRICAL-2
005-2	MDF-2
007	MECHANICAL
008	W RESTROOM
009	MAIL ROOM
010	JANITOR'S CLOSET
011	STORAGE
012	RESTROOM
016	BIG BLUE PANTRY
018	BIG BLUE PANTRY STORAGE
020-2	STORAGE-2

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



GROUND FLOOR - DOMESTIC WATER PLAN
SCALE: 1/8" = 1'-0"

CODED NOTES:

- EXISTING EXTERIOR NON-FREEZE WALL HYDRANT (WH-1) TO REMAIN.
- EXISTING DOMESTIC WATER SERVICE ENTRANCE.
- NEW ELECTRIC WATER HEATER, EWH-1, SEESCHEMATIC PIPING DETAIL ON SHEET P400.
- EXISTING TRAP PRIMER UNIT TO REMAIN.
- HOSE BIBB (HB-1); ZURN #Z1350-EZ, NARROW WALL HYDRANT WITH BRONZE BODY, 3/4" INLET, INTEGRAL ASSE 1011 VACUUM BREAKER, KEY OPERATED CONTROL VALVE, SCREW DRIVER VALVE STOP, 3/4" THREADED HOSE CONNECTION, STAINLESS STEEL WALL BOX WITH HINGED COVER AND MOUNTING BRACKETS.
- PROVIDE FLUSH VALVE WITH TRAP PRIMER ACCESSORY, SLOAN VBF-72-A OR EQUAL, EXTEND 1/2" SOFT COPPER LINE FROM TRAP PRIMER UNIT TO FLOOR DRAIN BELOW SLAB AND CONNECT TO TRAP PRIMER CONNECTION ADAPTER ON FLOOR DRAIN.
- EXTEND 1/2" SOFT COPPER TRAP PRIMER LINE FROM BELOW TO FLUSH VALVE TRAP PRIMER CONNECTION AS REQUIRED.
- 1/2" DOMESTIC COLD WATER DOWN.
- 3/4" DOMESTIC COLD WATER UP.
- 3/4" DOMESTIC COLD WATER DOWN.
- 1-1/4" DOMESTIC COLD WATER DOWN.
- 2" DOMESTIC COLD WATER DOWN.
- 1/2" DOMESTIC HOT WATER DOWN.
- 2" DOMESTIC COLD WATER, 1-1/4" DOMESTIC HOT WATER AND 3/4" DOMESTIC HOT WATER RECIRCULATION UP.
- CONNECT TO EXISTING AS REQUIRED.
- PROVIDE ICE MAKER SUPPLY BOX, (IM-1), SIOUX CHIEF 696 SERIES WITH LEAD FREE BALL VALVE AND FRAME. MOUNT BOTTOM OF BOX 48" A.F.F.
- DOMESTIC COLD WATER LINE TO BE INSTALLED INSIDE LIMITS OF SHAFT, STUBBED OUT OF SHAFT AND CAPPED FOR FUTURE TIE-IN DURING PRIOR PHASE.

REVISION:	
1	Addendum 3

GROUND FLOOR - DOMESTIC WATER PLAN

SCALE (I/A.O.)

University of Kentucky
2591.3 Renew/Modernize Facilities - Frazee Hall Fit-up

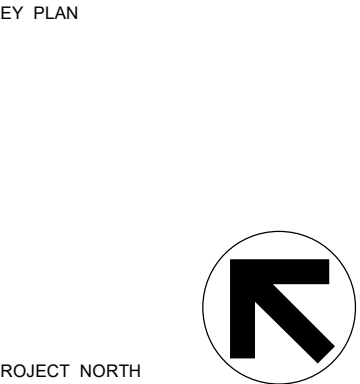
406 Administration Drive Lexington, KY 40508

ISSUE DATE
08/12/2022

JOB NO.
11396-01

DWG. NO.

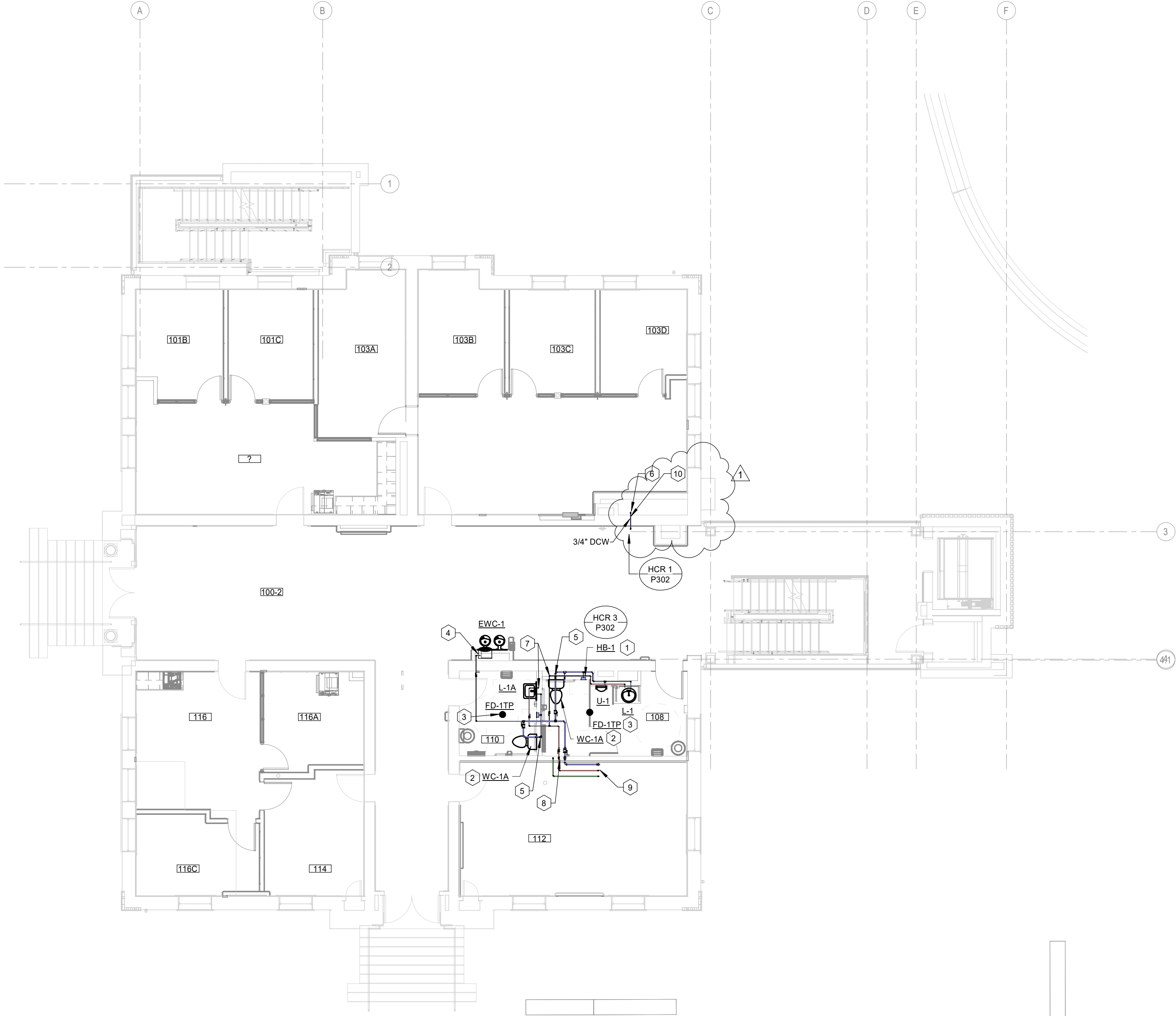
P200



K
J
H
G
F
E
D
C
B
A

ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
100-2	HALL-2
100A-2	HALL-2
101	UNIV ADVISING OPEN OFFICE
101B	UNIV ADVISING OFFICE
101C	UNIV ADVISING OFFICE
101D	UNIV ADVISING RECEPTION
103	K WEEK OPEN OFFICE
103A	K WEEK OFFICE
103B	K WEEK OFFICE
103C	K WEEK OFFICE
103D	K WEEK OFFICE
108	M RESTROOM
110	RESTROOM
112	CONFERENCE ROOM
114	UNIV ADVISING OFFICE
116	UNIV ADVISING RECEPTION
116A	UNIV ADVISING OFFICE
116C	UNIV ADVISING OFFICE
120-2	STORAGE-2

NOTE:
IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



FIRST FLOOR - DOMESTIC WATER PLAN
SCALE: 1/8" = 1'-0"

- CODED NOTES:**
- HOSE BIBB (HB-1): ZURN #Z1350-EZ, NARROW WALL HYDRANT WITH BRONZE BODY, 3/4" INLET, INTEGRAL ASSE 1011 VACUUM BREAKER, KEY OPERATED CONTROL VALVE, SCREW DRIVER VALVE STOP, 3/4" THREADED HOSE CONNECTION, STAINLESS STEEL WALL BOX WITH HINGED COVER AND MOUNTING BRACKETS.
 - PROVIDE FLUSH VALVE WITH TRAP PRIMER ACCESSORY. SLOAN VBF-72-A OR EQUAL. EXTEND 1/2" SOFT COPPER LINE FROM TRAP PRIMER UNIT TO FLOOR DRAIN BELOW SLAB AND CONNECT TO TRAP PRIMER CONNECTION ADAPTER ON FLOOR DRAIN.
 - PROVIDE 1/2" SOFT COPPER TRAP PRIMER LINE FROM FLUSH VALVE TRAP PRIMER CONNECTION TO FLOOR DRAIN AS REQUIRED.
 - 1/2" DOMESTIC COLD WATER DOWN.
 - 3/4" DOMESTIC COLD WATER DOWN.
 - 1-1/2" DOMESTIC COLD WATER DOWN.
 - 1/2" DOMESTIC HOT WATER DOWN.
 - 2" DCW, 1-1/4" DHW, AND 3/4" DHWR FROM BELOW.
 - 2" DCW, 1" DHW, 3/4" DHWR UP.
 - DOMESTIC COLD WATER LINE TO BE INSTALLED INSIDE LIMITS OF SHAFT, STUBBED OUT OF SHAFT AND CAPPED FOR FUTURE TIE-IN DURING PRIOR PHASE.

REVISION:	
1	Addendum 3

KEY PLAN	SEAL	ISSUE DATE 08/12/2022
		JOB NO. 11396-01
PROJECT NORTH 		DWG. NO. P201

BIM 360://11396-00 UK Frazee Hall/20312.R21 UK Frazee Hall MEP_detached.rvt
 11/2/2022 1:12:52 PM

ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
000-2	HALL-2
000A	HALL
000B	HALL
000D	HALL
001	BREAK ROOM
002	BASIC NEEDS OFFICE
003	BASIC NEEDS OFFICE
004-2	ELECTRICAL-2
005-2	MDF-2
007	MECHANICAL
008	W RESTROOM
009	MAIL ROOM
010	JANITOR'S CLOSET
011	STORAGE
012	RESTROOM
016	BIG BLUE PANTRY
018	BIG BLUE PANTRY STORAGE
020-2	STORAGE-2

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCEAND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.



GROUND FLOOR - LIGHTING PLAN
 SCALE: 1/8" = 1'-0"

- CODED NOTES:**
- CONTINUE CIRCUIT TO FLOOR ABOVE.
 - FOLLOW ROUTE OF FIRE PROTECTION LINES AS SHOWN ON FP 100.
 - MOUNT SO THAT BOTTOM OF FIXTURE IS 10' AFF.
 - MOUNT SO THAT BOTTOM OF FIXTURE IS 7' 6" AFF.
 - RECIRCUIT EXISTING LIGHT FIXTURE AS SHOWN. DEMOLISH ABANDONED CONDUIT AND CONDUCTORS BACK TO SOURCE AS REQUIRED.
 - INSTALL OCCUPANCY LIGHT IN LOCATION INDICATED BY DOOR HARDWARE SPECIFICATIONS AND PROVIDE CONNECTIONS AS REQUIRED.
 - MOUNT SO THAT BOTTOM OF FIXTURE IS 9'8" AFF OR FLUSH WITH FLOATING CEILING IF ALTERNATE #2 IS ACCEPTED. TYPICAL FOR FIXTURE TYPE IN THIS SPACE.
 - MOUNT SO THAT BOTTOM OF FIXTURE IS 8' 6" AFF.
 - WIRELESS CONTROL STATION.

STAGGS & FISHER
 CONSULTING ENGINEERS, INC.
 3204 Loch Ness Drive, Lexington, KY 40517 | 859-271-3246

SHEET TITLE
 GROUND FLOOR - LIGHTING PLAN

JOB NAME
 University of Kentucky
 2591.3 Renew/Modernize Facilities - Frazee Hall Fit-up
 LOCATION
 406 Administration Drive Lexington, KY 40508

ISSUE DATE
 08/12/2022
 JOB NO.
 11396-01
 DWG. NO.

E100

REVISION:
 1 Addendum 3 11/03/22

LORD AECK SARGENT
 A KATERRA COMPANY
 © 2021 Lord Aeck Sargent
 All rights reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Lord Aeck Sargent.

BM 360//11396-00 UK Frazee Hall/20312.R21 UK Frazee Hall MEP_detached.rvt
11/2/2022 1:13:03 PM

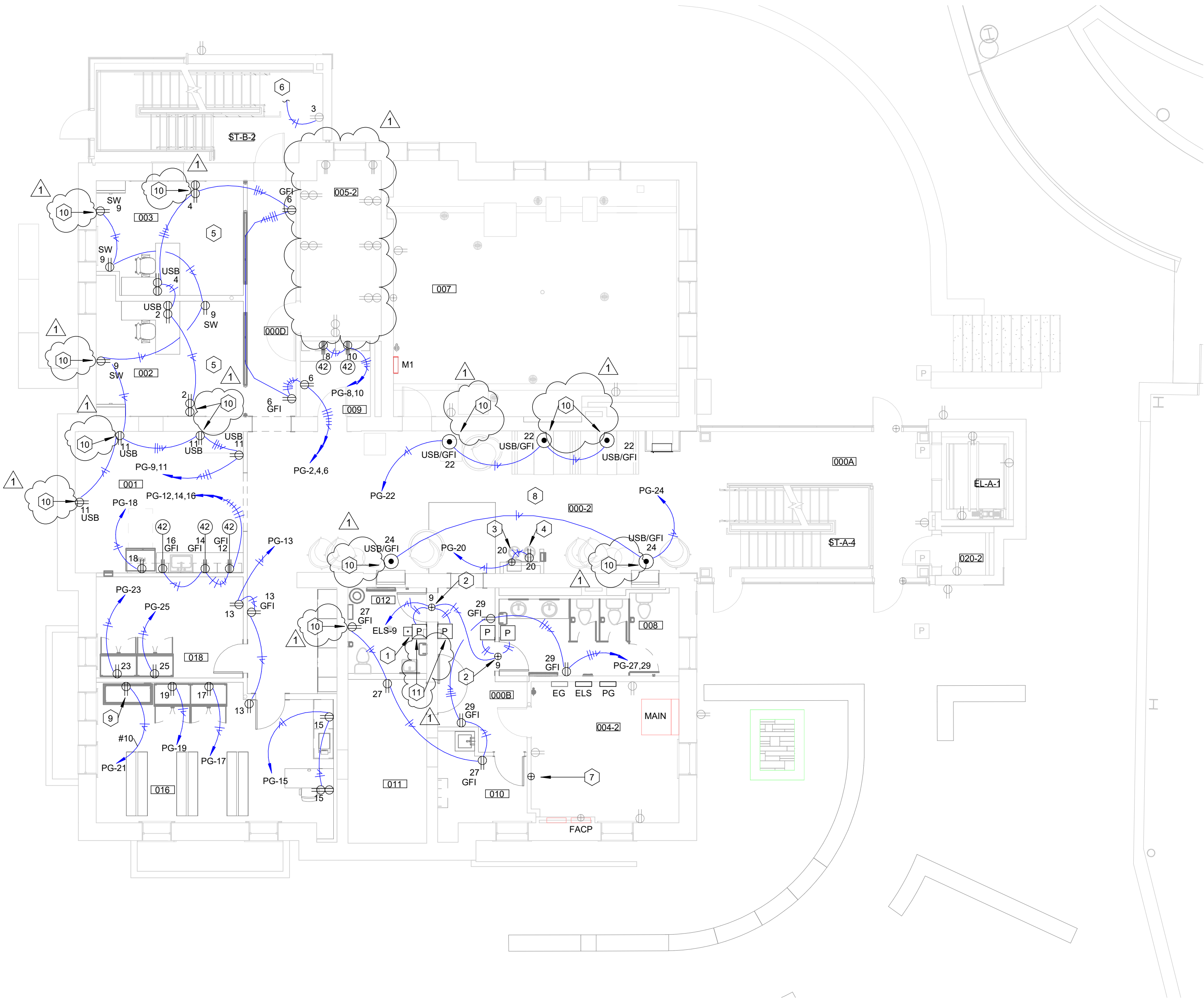
K
J
H
G
F
E
D
C
B
A

ROOM SCHEDULE	
ROOM NUMBER	ROOM NAME
000-2	HALL-2
000A	HALL
000B	HALL
000D	HALL
001	BREAK ROOM
002	BASIC NEEDS OFFICE
003	BASIC NEEDS OFFICE
004-2	ELECTRICAL-2
005-2	MDF-2
007	MECHANICAL
008	W RESTROOM
009	MAIL ROOM
010	JANITOR'S CLOSET
011	STORAGE
012	RESTROOM
016	BIG BLUE PANTRY
018	BIG BLUE PANTRY STORAGE
020-2	STORAGE-2

NOTE:

IT IS NOT INTENDED THAT THE PLANS SHOW ALL OFFSETS IN PIPES, CONDUITS, AND DUCTS REQUIRED FOR INSTALLATION OF THE WORK. DETAILS AND SECTIONS ARE INCLUDED FOR SOME AREAS TO SHOW INTENDED RELATIONSHIP OF THE WORK OF VARIOUS TRADES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO COORDINATE INSTALLATION OF THE WORK AND TO PROVIDE THE NECESSARY OFFSETS, TRANSFORMATIONS, AND FITTINGS REQUIRED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRECTION CONFLICTS BETWEEN THE WORK OF VARIOUS TRADES. DETAILS AND SECTIONS ARE SHOWN FOR THE CONTRACTORS CONVENIENCE AND SHALL NOT BE CONSIDERED COMPLETE IN EVERY DETAIL.

GROUND FLOOR - POWER PLAN
SCALE: 1/8" = 1'-0"



- CODED NOTES:**
- ELECTRIC PUSH BUTTON DOOR LOCK. INSTALL ABOVE DOOR PUSHPLATE. PROVIDE CONNECTIONS AS REQUIRED TO DOOR HARDWARE SYSTEM. COORDINATE WITH DOOR HARDWARE SPECIFICATIONS.
 - PROVIDE CONNECTION TO AUTOMATIC DOOR OPERATOR.
 - PROVIDE CONNECTION TO WATER FOUNTAIN / BOTTLE FILLER. RECEPTACLE IS TO BE CONCEALED BEHIND FOUNTAIN SKIRT. COORDINATE WITH EQUIPMENT SHOP DRAWINGS.
 - RECEPTACLE FOR CLOCK. INSTALL SO TOP OF CLOCK WILL BE APPROXIMATELY 6.5' AFF. PROVIDE AND INSTALL CLOCK PER SPECIFICATIONS.
 - SWITCHED RECEPTACLES ARE TO BE CONTROLLED BY THE LIGHTING CONTROL SYSTEM. SEE LIGHTING SEQUENCE OF OPERATIONS.
 - EXTEND EXISTING CIRCUIT TO RECEPTACLE ON LEVEL ABOVE.
 - USE EXISTING CIRCUITS EG-22, EG-24, EG-26 TO PROVIDE POWER TO DOOR HARDWARE CONTROLLERS, AS REQUIRED. COORDINATE QUANTITY OF CONTROL PANELS WITH SHOP DRAWINGS AND DIVIDE EVENLY ACROSS CIRCUITS. COORDINATE EXACT LOCATION FOR PANELS WITH APPROVED SHOP DRAWINGS.
 - COORDINATE EXACT LOCATION OF FLOORBOXES WITH FURNITURE PRIOR TO ROUGH-IN.
 - PROVIDE RECEPTACLE NEMA CONFIGURATION TO MATCH DISPLAY PLUG CONFIGURATION.
 - ROUGH-IN AND CONDUIT TO BE PROVIDED IN PRIOR PHASE. PROVIDE WIRING AND WIRING DEVICE.
 - ROUGH-IN AND CONDUIT TO BE PROVIDED IN PRIOR PHASE. PROVIDE WIRING AND AUTOMATIC DOOR OPERATOR PUSH PLATE.

LORD AECK SARGENT
A KATERRA COMPANY

© 2021 Lord Aeck Sargent
This document is the property of Lord Aeck Sargent and is to be returned upon demand. The information herein is confidential and may not be used nor divulged without the written permission of Lord Aeck Sargent.

REVISION:	
1	Addendum 3 11/03/22

STAGGS & FISHER
CONSULTING ENGINEERS, INC.

3204 Loch Ness Drive, Lexington, KY 40517 | 859-271-3246

GROUND FLOOR - POWER PLAN

JOB NAME
University of Kentucky
2591.3 Renew/Modernize Facilities - Frazee Hall Fit-up

LOCATION
406 Administration Drive Lexington, KY 40508

ISSUE DATE
08/12/2022

JOB NO.
11396-01

DWG. NO.
E200

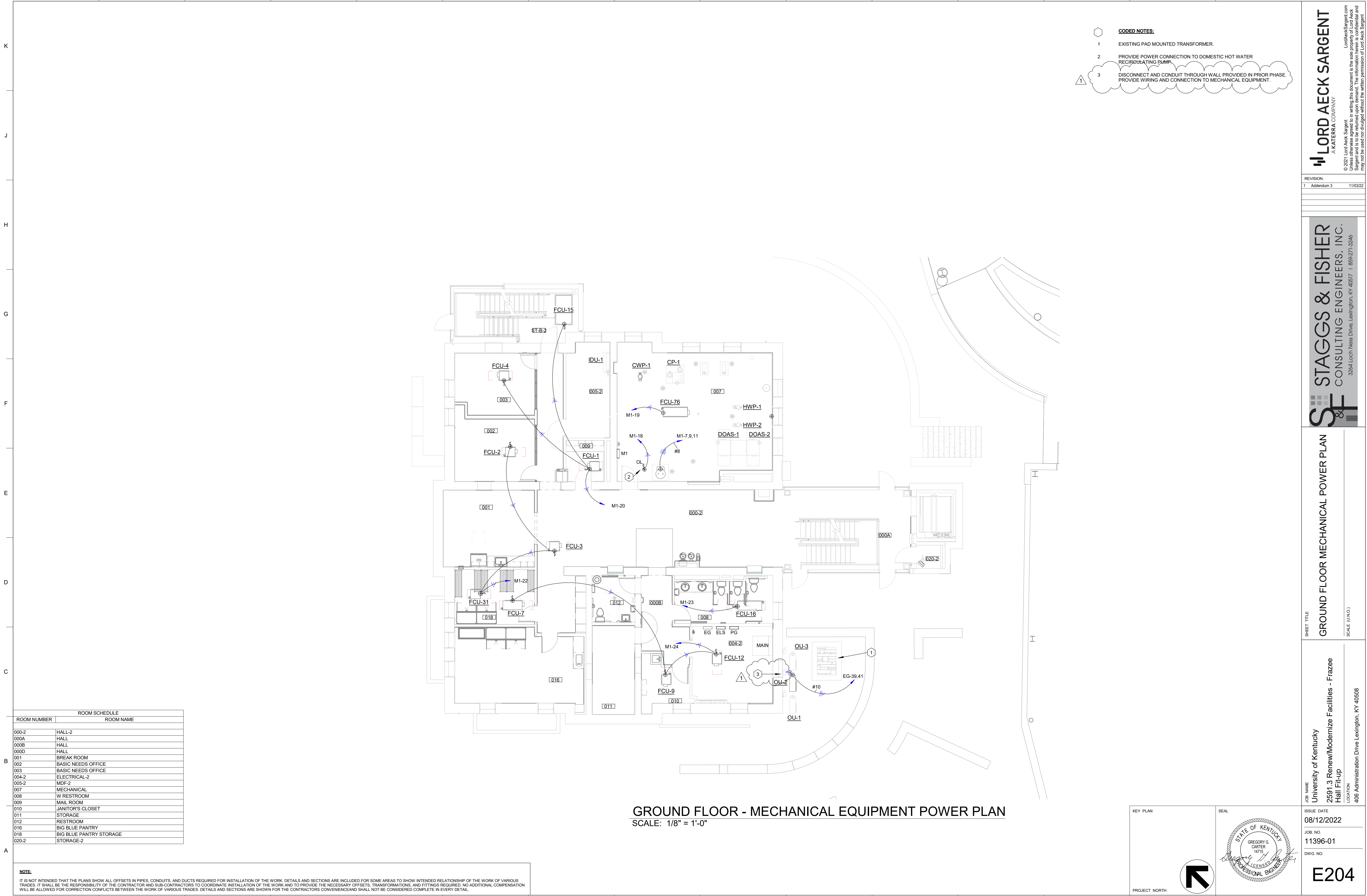
KEY PLAN

PROJECT NORTH

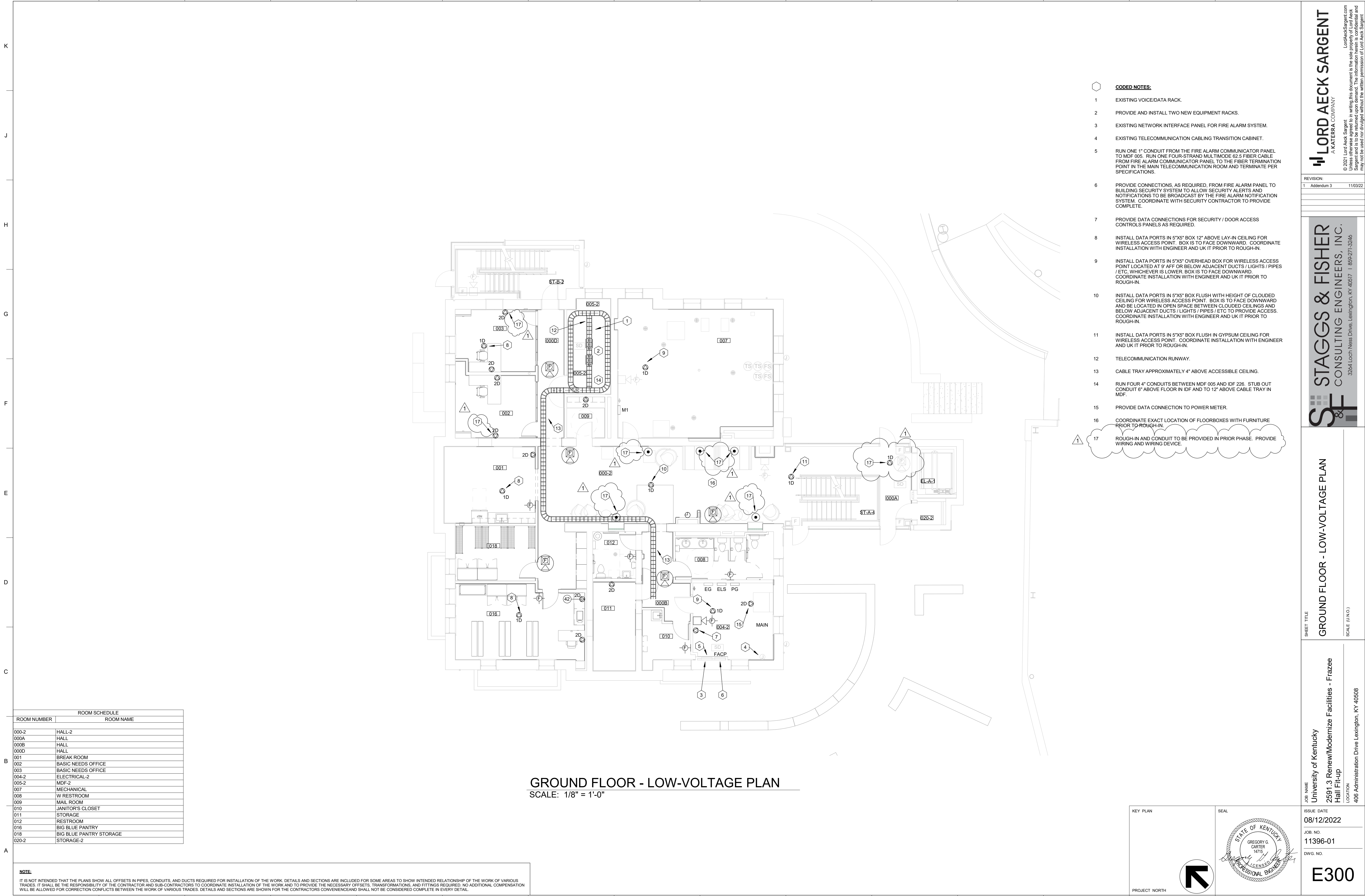
SEAL

STATE OF KENTUCKY
GREGORY G. CARTER
14715
PROFESSIONAL ENGINEER

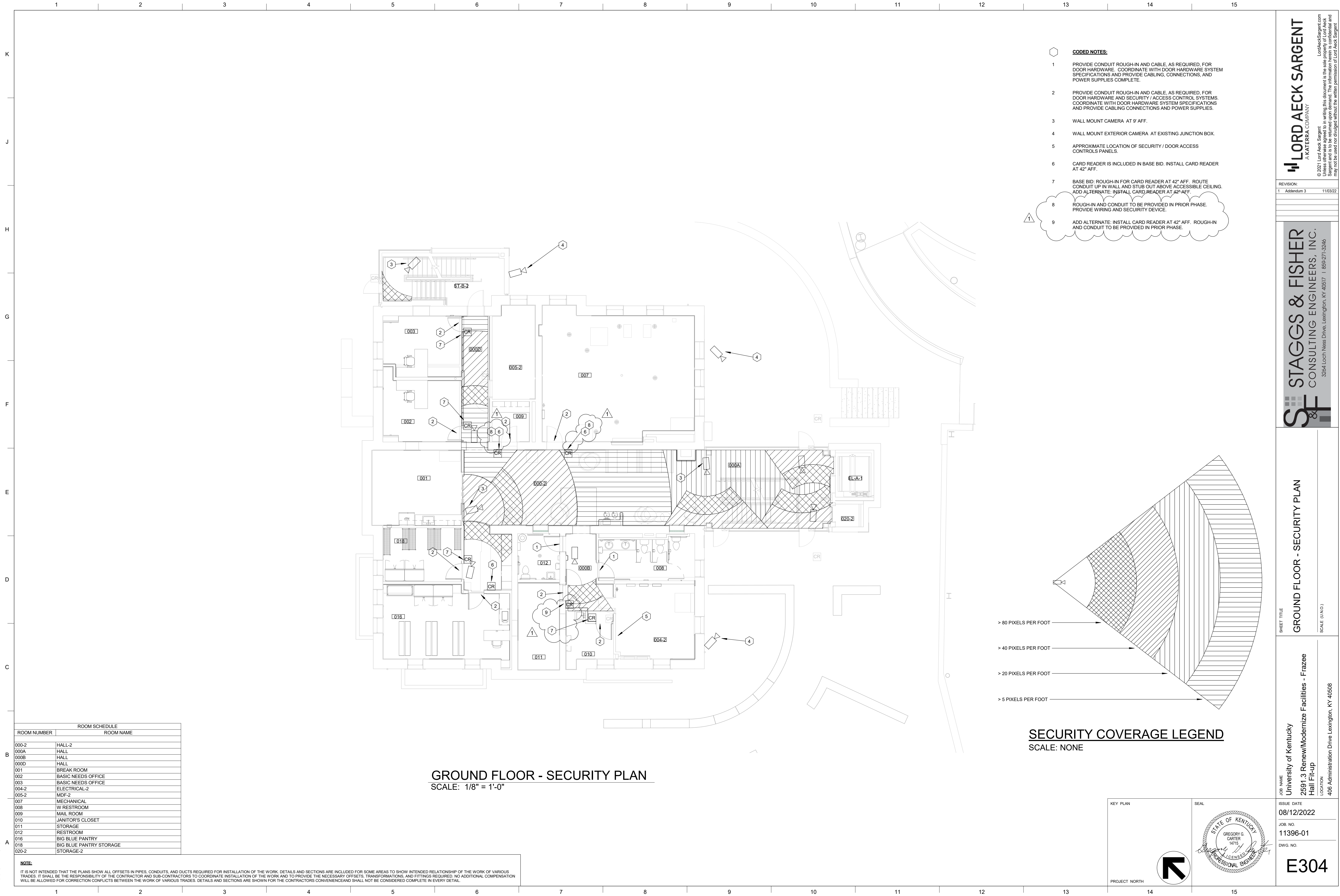
BMV 360//11396-00 UK Frazee Hall/20312.R21 UK Frazee Hall MEP_detached.rvt
11/2/2022 1:13:12 PM



BM 360//11396-00 UK Frazee Hall/20312.R21 UK Frazee Hall MEP_detached.rvt
11/2/2022 1:13:20 PM



BMW 360//11396-00 UK Frazee Hall/20312.R21 UK Frazee Hall MEP_detached.rvt
11/2/2022 1:13:29 PM



UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
FRAZEE INTERIOR FIT-UP

Subcontract 01C – General Requirements

Project No. 2591.3 Project Title: FRAZEE INTERIOR FIT-UP
Purchasing Officer: Ken Scott

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: _____
(NAME AND ADDRESS OF BIDDER)

Date: _____

Telephone: _____

TO: BID CLERK UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	INVITATION TO BID: <u>CCK-2667-23</u> BID OPENING DATES: <u>November 10, 2022</u> TRADE CONTRACT DESCRIPTION: <u>General Requirements</u> TRADE CONTRACT NO.: <u>01C</u> TIME: <u>3:00 P.M. E.D.T.</u>
---------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)

FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST
I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2667-23 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY _____	TITLE _____
PRINT NAME _____	FIRM _____
ADDRESS _____	PHONE () _____
	FAX () _____
CITY _____ STATE _____ ZIP CODE _____	DATE _____

Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2667-23 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____
(USE WORDS) CENTS.

(\$ _____)
(USE FIGURES)

BID ALTERNATES

Scope Alternate No. 1: Historic Woodwork Restoration

***Optional**

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____
(USE WORDS) CENTS.

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Millwork

***If Scope Alternate No. 1 is filled out, this is required.**

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ DOLLARS AND _____ CENTS.
(USE WORDS) (USE WORDS)

(\$ _____)
(USE FIGURES)

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database.
Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

- | | |
|-----------------------------------------|-----------------------------------------------------|
| (01)___ Small Business | (06)___ Woman-Owned Large Business |
| (02)___ Large Business | (07)___ Disadvantaged Woman-Owned
Small Business |
| (03)___ Disadvantaged Small
Business | (08)___ Disadvantaged Woman-Owned
Large Business |
| (04)___ Disadvantaged Large
Business | (09)___ Other |
| (05)___ Woman-Owned Small Business | |

DEFINITIONS

- (01) **SMALL BUSINESS:** A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.
- (02) **LARGE BUSINESS:** A business concern that exceeds the small business size code standards established by SBA.
- (03) **DISADVANTAGED SMALL BUSINESS:** A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.
- (04) **DISADVANTAGED LARGE BUSINESS:** A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.
- (05) **WOMAN-OWNED SMALL BUSINESS:** A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.
- (06) **WOMAN-OWNED LARGE BUSINESS:** A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.
- (07) **DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS:** A concern that meets the definition of both (03) and (05) above.
- (08) **DISADVANTAGED, WOMAN OWNED LARGE BUSINESS:** A concern that meets the definition of both (04) and (06) above.
- (09) **OTHER:** A concern that does not meet any of the above definitions.

THE FOLLOWING ITEMS ARE HERewith ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
4. List of Materials and Equipment.
5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.

UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any Subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM	UNIT	COST PER UNIT
Flagman	HR	\$
Laborer	HR	\$
Carpenter	HR	\$
Foreman	HR	\$
20yd Dumpster Pull	EA	\$

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All Subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Provide the address, phone number and contact information for the following Subcontractor/suppliers:

[illegible]

LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents' qualifications and or past projects.

List the Superintendent's Name

TRADE CONTRACT – 01C – General Requirements

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor's execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

The work covered under this Contract includes but is not limited to the following specific work items:

Unit 01C – General Requirements

This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

All specifications as they relate to this General Requirements scope of work

*****Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.**

1. Scope of Work – It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, temp. shoring, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents. Additionally, this Subcontractor will provide to the Construction Manager (4) one-year PlanGrid “Crane” licenses to use at their discretion. These licenses shall go into effect at a time chosen by the construction manager.
3. Signage – This subcontractor shall provide a signage allowance of \$5,000 to be used for items above-and-beyond what is shown in the logistics plan. At any time during the course of the project Whiting-Turner may elect to use any unspent portion of this allowance for other added items within this Scope of Work. Also, any unspent portion of this allowance may be returned to Whiting-Turner at any time during the project. This allowance does not alleviate this Subcontractor from any of their contractual requirements spelled out in the Contract Documents or their contractual requirements spelled out in this Subcontract. This allowance cannot be spent without written authorization from Whiting-Turner. Any unspent portion of this allowance will be returned to UK at the end of the project via a subcontract change order to this Subcontractor.
4. Glazing Film – This subcontractor shall provide and install glazing film on existing glazed doors as required by the contract documents. (A600 – Door Remark D) Subcontractor shall be responsible for removal of existing signage/lettering on glazing and cleaning of glazing prior to film installation.
5. Perimeter Fencing – This subcontractor shall take over the rental of the existing project perimeter fencing from December 31, 2022, until approximately March 31, 2023. The current fencing is provided by Herb Geddes

Fence Company. At the end of March 2023 this subcontractor shall be responsible for the removal of the existing perimeter fence and provide the scaled down fence areas as shown on the logistics plan for the durations shown on the logistics plan. This subcontractor shall be responsible for all removal and rework of fencing during these periods.

6. Temporary Walkway – This subcontractor shall refresh (install new support to fix sagging panels) and maintain temporary walkway from contract award until May 31st, 2023. This subcontractor shall remove and dispose of temporary walkway and all associated DGA, wood supports and concrete ADA ramps once permanent sidewalk is completed.
7. Porta-Johns – This Subcontractor has included for all porta-johns for the project site, including a scaling up and back with the work force, cleaning, supplying, relocating, and removal. This shall start at contract award and run until July 31, 2023. This Subcontractor shall supply at a minimum one (1) porta-john per ten (10) workers onsite. Porta-johns shall be cleaned twice weekly minimum and cleaning days shall be scheduled with the construction manager. This Subcontractor shall also include hand washing stations fully stocked with paper towels and soap. Subcontractor must provide one (1) handwashing station per three (3) porta-johns.
8. Dumpsters – This Subcontractor has included for 75 dumpster pulls for general construction waste during the Major Renovation Activities. This Subcontractor will provide dumpster staging per the logistics plan.
9. Safety – This Subcontractor has included \$10,000 for WT safety to be directed by the Construction Manager. The Construction Manager will direct the use of these costs to replace safety equipment, provide safety incentives, etc. through the duration of the project.
10. This subcontractor shall provide and maintain boot brushes and heavy duty entry mats at each exterior entry door and provide and install 10 rolls of 100ft floor protection board (i.e., Ram Board) to be used at the discretion of the construction manager.
11. This subcontractor shall purchase five (5) E Permit parking passes for the full duration of the project. These passes shall be used at the sole discretion of the construction manager.
12. Wall Cleaning – This subcontractor shall clean existing brick and plaster walls on the interior of the building. This subcontractor shall use light detergent or chemicals and scrub walls to remove all dust, grime, construction adhesive and construction marking and leave walls in a clean condition to allow for adherence of new paint.
13. Protection – This subcontractor shall provide and install protection of wood door jambs and casings throughout the building. Protection shall be heavy duty plastic or cardboard. This subcontractor shall be responsible for removal of all temporary door protection at the conclusion of the project.
14. This subcontractor shall demolish and dispose of temporary protection on the exterior of the building. This shall include the delivery platform that is covering the front steps, plywood around front columns and entrances, plywood at glass handrails between Frazee Hall and Student Center, wooden awning for handwashing station.
15. This subcontractor shall provide two temporary weatherproof window openings at the 2nd and 3rd floors to allow for material to be hoisted into the 2nd and 3rd floors and for construction debris to be removed. Opening protection shall be provided to protect the jambs, head and sills of the window and to protect the surrounding brick around the two openings. Openings shall be hinged and operable from inside the building. This subcontractor shall remove the temporary openings once all large material is inside the building and pay for Central Kentucky Glass to remobilize and install the final two windows.
16. This subcontractor shall provide a shooting boom forklift (lull) with a minimum 42' lift height from January 1st 2023 through March 31st, 2023. This lull will be shared by all subcontractors throughout the course of the project and all subcontractors shall provide their own operator. The primary use will be for offloading deliveries and booming material up to the required floor. Use of the lull must be scheduled and final approval for use must be given by the WT Superintendent.
This subcontractor shall provide all fuel and maintenance for the lull for the duration of the project.

17. Mowing & Landscape Maintenance – This Subcontractor has included mowing and trimming around the jobsite, to the Construction Managers satisfaction, bi-weekly from award of Subcontract through project completion. This specifically includes all site grasses inside and outside the construction fence, inclusive of trimming all fence lines.
18. General Cleanup – This Subcontractor will be responsible for one day per week general area cleanup, sweeping, and trash removal of all stair ways, common walkways, job site perimeter, surrounding sidewalks, drives, and laydown areas, until project completion. In addition, this subcontractor shall include site maintenance as it pertains to snow and ice removal for all pathways walkways ingress egress etc. Subcontractor will provide on demand snow and ice removal and salting for the project duration. This subcontractor shall also include an allowance of 150 labor hours for additional cleaning as directed by the construction manager. This allowance is above-and-beyond the requirements above.
19. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
20. Alternates – This subcontractor shall review alternates as shown in the contract documents. This subcontractor shall provide alternate pricing for each alternate as applicable for this scope of work. Items listed below shall part of this subcontractor's scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification.

Scope Alternate No. 1 – Historic Woodwork Restoration

***Optional**

This subcontractor shall provide an add alternate to include the Historic Woodwork Restoration scope of work as part of this subcontract. This shall include all wood trim repair to include but not be limited to the following:

- Repair and install existing wood trim, picture molding, crown molding per the contract documents. (A730 – A733)
- This subcontractor shall provide and install historical wood trim at new doorways as required by the contract documents. (A601) This shall include the wood door frame with rabbeted wood jamb and head. (All door hardware preparation on frame and wood door installation to be coordinated with and completed by 08C contractor.)
- This subcontractor shall install salvaged door casings and frame in new openings per the door schedule. (A600 – Remark A) (All door hardware preparation on frame and wood door installation to be coordinated with and completed by 08C contractor.)
- This subcontractor shall install salvaged trim.
- This subcontractor shall provide new wood window casings as indicated on the contract documents. (A601 & A602)
- This subcontractor shall provide wood casings for cased openings (A601)
- This subcontractor shall provide and install new wood base. See profiles on A631.
- This subcontractor shall repair and provide new wood cornice/crown molding at third floor ceiling to match the existing profile. (Approximate profile shown on A631 – Detail A1) Final extents of crown molding is shown on A404. Current extents and available salvaged material should be verified onsite prior to bidding.
- Provide and install wood stair treads and wood handrails at existing Stair A. Items should be pre-finished before arriving to site and be protected until turn-over.
- This subcontractor shall provide and install solid wood transition block at wall transitions between plaster and exposed brick. (A633 – Detail A4 & A7) Coordinate at plaster edge with 09B.
- Provide and install door casing at barn door 314A. (Details A6 and F6 on A623.)

- This scope alternate shall include patching and repairing historic wood trim in place in such a manner that it can be repainted by others. This subcontractor shall be responsible for installing salvaged/new trim at locations where existing trim is missing or has been cut/damaged in order to make it continuous. This subcontractor shall also fill and sand minor holes and damage in historic trim where nails/screws have been previously put into the wood. This subcontractor shall remove all remaining screws/nails in existing wood to complete repairs. (This occurs at most window trims where blinds have been installed over the years but is also present on other wood trim, wood doors, wood base, etc. throughout the building.)
- **Add Alternate No. 4 – Millwork**
 - In lieu of patching and repairing the historic wood trim in place, this subcontractor shall remove all historic wood trim and refinish offsite with a stained finish and bring back to site and reinstall. This shall include all existing and salvaged wood doors.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
FRAZEE INTERIOR FIT-UP

Subcontract 04B – INTERIOR MASONRY

Project No. 2591.3 Project Title: FRAZEE INTERIOR FIT-UP
Purchasing Officer: Ken Scott

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Date: _____

Telephone: _____

TO: BID CLERK
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

INVITATION TO BID: CCK-2667-23

BID OPENING DATES: November 10, 2022

TRADE CONTRACT DESCRIPTION: _____
Interior Masonry

TRADE CONTRACT NO.: 04B

TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)

FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST
I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2667-23 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY _____	TITLE _____
PRINT NAME _____	FIRM _____
ADDRESS _____	PHONE () _____
	FAX () _____
CITY _____ STATE _____ ZIP CODE _____	DATE _____

Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2667-23 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____
(USE WORDS) CENTS.

(\$ _____)
(USE FIGURES)

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database.
Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

- | | |
|-----------------------------------------|-----------------------------------------------------|
| (01)___ Small Business | (06)___ Woman-Owned Large Business |
| (02)___ Large Business | (07)___ Disadvantaged Woman-Owned
Small Business |
| (03)___ Disadvantaged Small
Business | (08)___ Disadvantaged Woman-Owned
Large Business |
| (04)___ Disadvantaged Large
Business | (09)___ Other |
| (05)___ Woman-Owned Small Business | |

DEFINITIONS

- (01) **SMALL BUSINESS:** A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.
- (02) **LARGE BUSINESS:** A business concern that exceeds the small business size code standards established by SBA.
- (03) **DISADVANTAGED SMALL BUSINESS:** A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.
- (04) **DISADVANTAGED LARGE BUSINESS:** A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.
- (05) **WOMAN-OWNED SMALL BUSINESS:** A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.
- (06) **WOMAN-OWNED LARGE BUSINESS:** A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.
- (07) **DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS:** A concern that meets the definition of both (03) and (05) above.
- (08) **DISADVANTAGED, WOMAN OWNED LARGE BUSINESS:** A concern that meets the definition of both (04) and (06) above.
- (09) **OTHER:** A concern that does not meet any of the above definitions.

THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
4. List of Materials and Equipment.
5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.

UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM	UNIT	COST PER UNIT
BRICK MASONRY REPOINTING	SF	\$
REPAIR OF CRACKS WITH GROUT INJECTION (PER LINEAR IN)	LI	\$
BRICK REPLACEMENT – SINGLE WYTHE	SF	\$
BRICK REPLACEMENT – TWO-WYTHE	SF	\$
BRICK REPLACEMENT – THREE-WYTHE	SF	\$
LABORER	HR	\$
INSTALLER	HR	\$
FOREMAN	HR	\$

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Provide the address, phone number and contact information for the following subcontractor/suppliers:

[illegible]

LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents' qualifications and or past projects.

List the Superintendent's Name

TRADE CONTRACT – 04B – INTERIOR MASONRY

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor's execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

Unit 04B – Interior Masonry

This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

All specifications as they relate to the Masonry & Stone scope of work.

*****Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.**

1. Scope of Work - This Subcontractor is responsible for all the work as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% supervision, labor, material, accessories, equipment, tools, shop drawings, submittals, layout, unloading, appliances, rigging, ladders, hoisting, scaffolding, transportation, taxes, warranties and guarantees, and everything necessary to completely furnish and install all of the required masonry in full compliance with the Contract Documents.
2. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
3. Masonry Assemblies – This Subcontractor shall furnish and install all masonry and all necessary materials for a comprehensive masonry installation in strict compliance with the contract documents. This shall include but not be limited to:
 - Creating masonry rough openings in existing masonry walls and coordinating with existing brick coursing and requirements for finished opening details. (Note 1 on AD100 – AD103)
 - Provide and install steel lintels at new masonry openings. (L1 and L2 Lintels as shown on S201 – S204 and coordinated with AD100 – AD103.)
 - Repoint Interior Brick: Assume 10% (Note B/A611)
 - Clean all existing interior brick per specification 04 01 20. (Note F/A611)
 - This subcontractor shall patch and repair uneven brick at opening where the existing structure transitions to the new Stair A structure.
 - Where partitions have been removed from exposed brick walls leaving unpainted areas of brick, remove excess remnants of paint, patch damaged brick and prep walls to receive new paint allowing for continuous finish minimizing evidence of former wall.
 - Prior to bid, this subcontractor shall examine existing brick walls and take note of all existing penetrations, anchors and anchor holes and include patching or repairing brick in order to return walls to a fully repaired condition prior to painting/finishing. Subcontractor shall also remove existing/abandoned anchors, electrical boxes and conduit from brick walls to be patched.
 - This subcontractor shall examine existing plaster walls and take note of all existing penetrations/holes that exceed the depth of the plaster (old thermostats, abandoned electrical boxes, etc.) and patch/grout large penetrations/holes to provide a smooth backup surface for plaster repair.

- Subcontractor shall create all square/rectangular penetrations through existing masonry/brick walls for MEP trades to route ductwork and cable tray through. This subcontractor shall coordinate with the MEP subcontractors for layout and sizing of penetrations.
 - All electrical/data outlets, thermostats, card readers, ADA push buttons, fire alarm devices, etc., shown to be installed on existing masonry walls shall have conduit pathways and boxes trenched into the masonry and repatched so that pathways and boxes are concealed, and devices are installed flush with face of existing wall. This subcontractor shall conduct demo and patching for all masonry trenching and coordinate with MEP subcontractors for locations and heights of said pathways and boxes. This subcontractor shall also include trenching plaster and backup masonry to recess these pathways and boxes in the plaster covered walls also.
 - This subcontractor shall be responsible for all means of access including all scaffolding, lifts, etc. to complete the installation of this scope of work.
 - Provide samples and mockups for all masonry required by the contract documents.
4. Patching – This subcontractor shall provide an allowance of \$10,000 for masonry patching that is above-and-beyond what is required for this scope. At any time during the course of the project Whiting-Turner may elect to use any unspent portion of this allowance for other added items within this Scope of Work. Also, any unspent portion of this allowance may be returned to Whiting-Turner at any time during the project. This allowance does not alleviate this Subcontractor from any of their contractual requirements spelled out in the Contract Documents or their contractual requirements spelled out in this Subcontract. This allowance cannot be spent without written authorization from Whiting-Turner. Any unspent portion of this allowance will be returned to UK at the end of the project via a subcontract change order to this Subcontractor.
5. Mortar Mixes - Subcontractor shall ensure that mortar is of the strength and mix as required by the Specifications, and shall submit mix designs for approval prior to starting work.
6. Sawcutting - The Subcontractor shall wet saw-cut all blocks requiring cuts and shall not break blocks for irregular pieces.
7. Special Construction –This Subcontractor shall be responsible for any special masonry units or shapes that may be required for the work. Subcontractor shall furnish and install all materials that may be required to comply with all details and specifications, including such items as weeps, grouting full all cells of masonry work as required, and other items where area practice indicates work is to be done by a mason, including for the install of cladding materials.
8. Clean up during work - Subcontractor shall final clean, dress and stiff broom all finished wall surfaces on a periodic basis, including the removal of all mortar spillages and slopping from the walls, floors, and other adjacent work of other trades. Subcontractor shall patch or point any deficiencies or chips in the work at this time. This process shall not be delayed until the end of the work but shall be done at the completion of each wall and prior to the time scaffolding is relocated, and if the Subcontractor must leave the job for an extended period of time, all work installed to that date must be cleaned prior to leaving. Chipped or damaged blocks are not to be used in finished areas. Finish of surfaces will comply with preparation standards set forth in the applicable Specification or comply with manufacturers' specified instructions for application by product type.
9. Protection – The Subcontractor shall take measures required to protect existing structures during installation of its work. The Subcontractor is also to clean spillage and soilage from adjacent surfaces using cleaning agents and procedures recommended by the manufacturer of the surface. The Subcontractor shall be responsible for and shall clean or repair any damage to existing structures that is related to this scope of work.
10. Sand Mix – This Subcontractor is responsible for placing the sand to be used for mortar in locations coordinated with the Construction Manager and is responsible for the removal of all unused or contaminated sand from the building site.
11. Hoisting & Scaffolding - All hoisting and scaffolding necessary for the work is to be furnished by this Subcontractor and has been included in the Trade Contract amount. This includes but is not limited to any scaffolding, stairs, hoists, lifts, climbing towers, or center mast climbing platforms.

12. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
FRAZEE INTERIOR FIT-UP

Subcontract 06A – Architectural Woodworking

Project No. 2591.3 Project Title: FRAZEE INTERIOR FIT-UP
Purchasing Officer: Ken Scott

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Date: _____

Telephone: _____

TO: BID CLERK
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

INVITATION TO BID: CCK-2667-23

BID OPENING DATES: November 10, 2022

TRADE CONTRACT DESCRIPTION: _____
Architectural Woodworking

TRADE CONTRACT NO.: 06A

TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)

FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST
I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2667-23 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY _____	TITLE _____
PRINT NAME _____	FIRM _____
ADDRESS _____	PHONE () _____
	FAX () _____
CITY _____	STATE _____
ZIP CODE _____	

DATE _____

Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2667-23 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____
(USE WORDS) CENTS.

(\$ _____)
(USE FIGURES)

BID ALTERNATES

Scope Alternate No. 1: Historic Woodwork Restoration

***Optional**

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____
(USE WORDS) CENTS.

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Millwork

***If Scope Alternate No. 1 is filled out, this is required.**

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ DOLLARS AND _____ CENTS.
(USE WORDS) (USE WORDS)

(\$ _____)
(USE FIGURES)

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database.
Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

- | | |
|-----------------------------------------|-----------------------------------------------------|
| (01)___ Small Business | (06)___ Woman-Owned Large Business |
| (02)___ Large Business | (07)___ Disadvantaged Woman-Owned
Small Business |
| (03)___ Disadvantaged Small
Business | (08)___ Disadvantaged Woman-Owned
Large Business |
| (04)___ Disadvantaged Large
Business | (09)___ Other |
| (05)___ Woman-Owned Small Business | |

DEFINITIONS

- (01) **SMALL BUSINESS:** A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.
- (02) **LARGE BUSINESS:** A business concern that exceeds the small business size code standards established by SBA.
- (03) **DISADVANTAGED SMALL BUSINESS:** A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.
- (04) **DISADVANTAGED LARGE BUSINESS:** A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.
- (05) **WOMAN-OWNED SMALL BUSINESS:** A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.
- (06) **WOMAN-OWNED LARGE BUSINESS:** A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.
- (07) **DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS:** A concern that meets the definition of both (03) and (05) above.
- (08) **DISADVANTAGED, WOMAN OWNED LARGE BUSINESS:** A concern that meets the definition of both (04) and (06) above.
- (09) **OTHER:** A concern that does not meet any of the above definitions.

THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
4. List of Materials and Equipment.
5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.

UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM	UNIT	COST PER UNIT
Carpenter	HR	
Apprentice	HR	
Foreman	HR	

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Provide the address, phone number and contact information for the following subcontractor/suppliers:

[illegible]

LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-up
UK Project No. 2591.3

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents' qualifications and or past projects.

List the Superintendent's Name

TRADE CONTRACT – 06A – Architectural Woodworking

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor's execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

Unit 06A – Architectural Woodworking

This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

All specifications related to Architectural Woodworking, Millwork, Finish Carpentry, etc. as they relate to this scope of work.

*****Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.**

1. Scope of Work – It is the intent for this project that the Millwork Subcontractor supplies all materials as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% supervision, labor, material, equipment, tools, ladders, lifts, appliances, warranties and guarantees, and everything necessary to completely detail, fabricate, finish, deliver F.O.B. to jobsite, furnish and install all of the required millwork and architectural woodwork in full compliance with the Contract Documents.
2. Millwork – This subcontractor shall provide and install all new millwork as required by the contract documents. This shall include the following woodworking items to include but not be limited to:
 - Provide and install all millwork elevations for the break room, mail room, copy rooms/areas, Big Blue Pantry, Hall 000C, Hall 300E, etc.
 - Provide and install all solid surface countertops and backsplashes as shown on contract drawings. (On millwork and in gang restrooms.) Make all cuts in countertops for faucets, sinks, waste receptacles, etc.
 - Provide and install metal support brackets to support restroom countertops.
 - Provide and install joint sealants where millwork, countertops and backsplash meet the wall.
 - Provide and install all hardware for millwork.
 - Provide and install all flush mount blocking and cleats for mounting millwork. (In-wall blocking by others)
 - This subcontractor shall provide and install millwork shelf infill including concealed steel supports. (A630 - Detail A10 & D10). Wood shelves to be shop painted.
 - This subcontractor shall provide and install all millwork for infill bench. This shall include the bench seat and the fabric back. (A630 - Detail A5 & D5).
3. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
4. Blocking – This Subcontractor will provide blocking drawings, complete with top & bottom elevations and wall layout dimensions, which are pertinent to this work, to the Construction Manager in advance of the framing installation. In-wall blocking will be installed by others. Any blocking that is missed as a result of this Subcontractor's incomplete or undelivered blocking drawings will be the sole responsibility of this Subcontractor.

5. Exposed Blocking – This Subcontractor shall be responsible for all exposed blocking associated with this scope of work.
6. Caulking – This Subcontractor shall be responsible for all caulking necessary to complete this scope of work. This Subcontractor shall be responsible for caulking all transitions to other materials. This includes but is not limited to backsplashes, gaps between millwork, solid surfaces, P-lam, and walls, gaps at the base of these items, and non-painted wood and millwork to adjacent surfaces.
7. Fabric & Padding – This Subcontractor has included all fabrics, padding, backing, fasteners, adhesives, etc. as noted in the Contract Documents for all bench seating pads, pillows, cushions, etc.
8. Adjusting & Cleaning – This Subcontractor shall provide all final adjustments, cleaning, and instruction related to this Subcontractor's scope of work. Final adjustments of all hinges and doors associated with this scope of work shall be the responsibility of this Subcontractor.
9. Coordination – This Subcontractor shall provide coordination with all Subcontractors related to this scope of work including, but not limited to the following Subcontractors: casework, electrical, mechanical, security, masonry, flooring, drywall, and painting. The Subcontractor acknowledges that portions of this scope of work are to be installed in conjunction with work by others and agrees to all coordination and sequencing as required. This Subcontractor shall attend weekly coordination meetings.
10. Field Measurements – This Subcontractor shall field verify all locations of installation for the material in this scope of work. Components that cannot be field verified shall be capable of being adjusted during installation.
11. Additional Task Lighting – Any task lighting required to ensure adequate working conditions is the responsibility of this Subcontractor. This includes the lights stands, lights, power cords, and any other equipment to operate the lights.
12. Items installed in millwork – This Subcontractor shall be responsible for making cut outs for other Trades whose materials are to be installed into the millwork. This shall include, but not be limited to, fire extinguishers cabinets, safety supply cabinets, lighting, electrical, plumbing, grommets, louvers, locks, and all other items to be installed in the millwork once it is delivered to the site.
13. Damaged Products – It shall be the responsibility of this Subcontractor to notify the Construction Manager of any materials that are damaged during the processes of construction. This Subcontractor shall be responsible for all minor touch up associated with this scope of work.
14. Installed Floors Protection – This Subcontractor realizes that the floors will be installed prior to the millwork installation. This Subcontractor shall be responsible for the removal of all floor protection necessary for this scope of work. This Subcontractor shall be responsible for protecting all floor areas in which protection has been removed due to installation of millwork. If additional floor protection has been removed for the installation of millwork, it is the responsibility of this contractor to re-install floor protection in the unprotected areas. This Subcontractor shall be responsible for cost associated with damages to the flooring caused by the millwork installation.
15. Traffic Control – This Subcontractor will provide a flagmen with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

16. Alternates – This subcontractor shall review alternates as shown in the contract documents. This subcontractor shall provide alternate pricing for each alternate as applicable for this scope of work. Items listed below shall part of this subcontractor's scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification.

Scope Alternate No. 1 – Historic Woodwork Restoration

***Optional**

This subcontractor shall provide an add alternate to include the Historic Woodwork Restoration scope of work as part of this subcontract. This shall include all wood trim repair to include but not be limited to the following:

- Repair and install existing wood trim, picture molding, crown molding per the contract documents. (A730 – A733)
- This subcontractor shall provide and install historical wood trim at new doorways as required by the contract documents. (A601) This shall include the wood door frame with rabbeted wood jamb and head. (All door hardware preparation on frame and wood door installation to be coordinated with and completed by 08C contractor.)
- This subcontractor shall install salvaged door casings and frame in new openings per the door schedule. (A600 – Remark A) (All door hardware preparation on frame and wood door installation to be coordinated with and completed by 08C contractor.)
- This subcontractor shall install salvaged trim.
- This subcontractor shall provide new wood window casings as indicated on the contract documents. (A601 & A602)
- This subcontractor shall provide wood casings for cased openings (A601)
- This subcontractor shall provide and install new wood base. See profiles on A631.
- This subcontractor shall repair and provide new wood cornice/crown molding at third floor ceiling to match the existing profile. (Approximate profile shown on A631 – Detail A1) Final extents of crown molding is shown on A404. Current extents and available salvaged material should be verified onsite prior to bidding.
- Provide and install wood stair treads and wood handrails at existing Stair A. Items should be pre-finished before arriving to site and be protected until turn-over.
- This subcontractor shall provide and install solid wood transition block at wall transitions between plaster and exposed brick. (A633 – Detail A4 & A7) Coordinate at plaster edge with 09B.
- Provide and install door casing at barn door 314A. (Details A6 and F6 on A623.)
- This scope alternate shall include patching and repairing historic wood trim in place in such a manner that it can be repainted by others. This subcontractor shall be responsible for installing salvaged/new trim at locations where existing trim is missing or has been cut/damaged in order to make it continuous. This subcontractor shall also fill and sand minor holes and damage in historic trim where nails/screws have been previously put into the wood. This subcontractor shall remove all remaining screws/nails in existing wood to complete repairs. (This occurs at most window trims where blinds have been installed over the years but is also present on other wood trim, wood doors, wood base, etc. throughout the building.)
- Add Alternate No. 4 – Millwork
 - In lieu of patching and repairing the historic wood trim in place, this subcontractor shall remove all historic wood trim and refinish offsite with a stained finish and bring back to site and reinstall. This shall include all existing and salvaged wood doors.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
FRAZEE INTERIOR FIT-UP

Subcontract 08C – Doors & Hardware

Project No. 2591.3 Project Title: FRAZEE INTERIOR FIT-UP
Purchasing Officer: Ken Scott

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by: _____
(NAME AND ADDRESS OF BIDDER)

Date: _____

Telephone: _____

TO: BID CLERK UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	INVITATION TO BID: <u>CCK-2561-22</u> BID OPENING DATES: <u>November 3, 2022</u> TRADE CONTRACT DESCRIPTION: _____ <u>Doors & Hardware</u> TRADE CONTRACT NO.: <u>08C</u> TIME: <u>3:00 P.M. E.D.T.</u>
---------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)

FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST
I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. **CCK-2561-22** have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY _____	TITLE _____
PRINT NAME _____	FIRM _____
ADDRESS _____	PHONE () _____
	FAX () _____
CITY _____ STATE _____ ZIP CODE _____	DATE _____

Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid **CCK-2561-22** having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____ CENTS.
(USE WORDS)

(\$ _____)
(USE FIGURES)

BID ALTERNATES

Scope Alternate No. 1: Security, Access Control & Video Surveillance

*Required

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____ CENTS.
(USE WORDS)

(\$ _____)
(USE FIGURES)

Add Alternate No. 1: Card Readers

*Dependent upon award of Scope Alternate #1

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ DOLLARS AND _____ CENTS.
(USE WORDS) (USE WORDS)

(\$ _____)
(USE FIGURES)

UNIVERSITY OF KENTUCKY – Frazee Hall Interior Fit-up
UK Project No. 2591.3

BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database.
Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

- | | |
|-----------------------------------------|-----------------------------------------------------|
| (01)___ Small Business | (06)___ Woman-Owned Large Business |
| (02)___ Large Business | (07)___ Disadvantaged Woman-Owned
Small Business |
| (03)___ Disadvantaged Small
Business | (08)___ Disadvantaged Woman-Owned
Large Business |
| (04)___ Disadvantaged Large
Business | (09)___ Other |
| (05)___ Woman-Owned Small Business | |

DEFINITIONS

- (01) **SMALL BUSINESS:** A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.
- (02) **LARGE BUSINESS:** A business concern that exceeds the small business size code standards established by SBA.
- (03) **DISADVANTAGED SMALL BUSINESS:** A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.
- (04) **DISADVANTAGED LARGE BUSINESS:** A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.
- (05) **WOMAN-OWNED SMALL BUSINESS:** A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.
- (06) **WOMAN-OWNED LARGE BUSINESS:** A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.
- (07) **DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS:** A concern that meets the definition of both (03) and (05) above.
- (08) **DISADVANTAGED, WOMAN OWNED LARGE BUSINESS:** A concern that meets the definition of both (04) and (06) above.
- (09) **OTHER:** A concern that does not meet any of the above definitions.

UNIVERSITY OF KENTUCKY – Frazee Hall Interior Fit-up
UK Project No. 2591.3

THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
4. List of Materials and Equipment.
5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.

UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM	UNIT	COST PER UNIT
Installer	HR	\$
Foreman	HR	\$

UNIVERSITY OF KENTUCKY – Frazee Hall Interior Fit-up
UK Project No. 2591.3

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Provide the address, phone number and contact information for the following subcontractor/suppliers:

[illegible]

LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

UNIVERSITY OF KENTUCKY – Frazee Hall Interior Fit-up
UK Project No. 2591.3

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents' qualifications and or past projects.

List the Superintendent's Name

TRADE CONTRACT – 08C – Doors, Hardware, & Security

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor's execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

The work covered under this Contract includes but is not limited to the following specific work items:

Unit 08C – Doors, Hardware, & Security

This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

All specifications as they relate to the Doors, Hardware, and Security scope of work.

*****Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.**

1. Scope of Work – It is the intent for this project is that this Subcontractor performs all works scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
3. Specific Scope Items - This subcontractor shall provide and install the following items related to Doors Hardware & Security to include but not be limited to:
 - Provide all new door frames (does not include demountable partition frames).
 - Provide and install all new doors and hardware (does not include demountable partition doors).
 - Modify preparation of existing doors and frames to receive new hardware. Removal and replacement of existing to remain door should be included if required to complete hardware preparation.
 - This subcontractor shall provide hardware, preparation and installation for the barn door (Door 314; A602 – Detail A9)
 - Provide all cylinders with temporary construction cores for use during construction. Provide permanent cores and keys and coordinate keying with owner.
 - Doors should arrive to site with hardware already installed and ready to hang. There will not be room for onsite hardware storage and installation and for this reason pre-assembly will be required.
 - This subcontractor to provide and install all door auto-operators. This shall include all associated push buttons, electric push button door lock, bollards for push button, etc.
4. Scope by Others – Installation of all door frames will be by others. Signed written documentation and receipts are required to be provided to The Construction Manager and frame installer when frames are turned over to

others. All frames shall be inspected two weeks prior to installation of doors to ensure that the frames have been installed correctly and plumb. Storefront doors and Demountable Partition doors by shall be by others.

5. Blocking – This Subcontractor will provide blocking drawings, complete with top & bottom elevations and wall layout dimensions, which are pertinent to this work, to the Construction Manager in advance of the framing installation. In-wall blocking will be installed by others. Any blocking that is missed as a result of this Subcontractor's incomplete or undelivered blocking drawings will be the sole responsibility of this Subcontractor.
6. Preparation – This Subcontractor shall properly detail, fabricate, tag, furnish, and deliver the hollow metal & wood doors and frames as detailed in the Contract Documents.
7. Fabrication – This Subcontractor agrees to fabricate all doors and frames utilizing the approved hardware schedule and templates as provided in the Contract Documents and as approved by the Architect. All frames and doors are to be assembled off site so that they are delivered to the jobsite "pre-fabricated" and assembled, ready for installation.
8. Labeling – This Subcontractor shall provide fire-rated doors, frames, and hardware with permanently affixed labels at all rated openings. This Subcontractor shall also be responsible for compliance with all code requirements (local, state, and federal), NFPA Standards, and U.L. rating requirements related to this scope of work. Advise Construction Manager of any building code violations Subcontractor is knowledgeable of and shall be responsible for all costs associated with such labels being inadequate or improper for the usage intended.
9. Astragals & Sweeps – This Subcontractor agrees to furnish and install all necessary astragals at doors and sweeps as required in the Contract Documents.
10. Wood Doors – This Subcontractor shall promptly detail, fabricate, finish, tag, deliver F.O.B. to jobsite, prep, assemble, and install all wood doors as required and indicated on the Contract Documents. All glazing for wood doors shall be the responsibility of this Subcontractor.
11. Hardware – This Subcontractor shall properly detail, fabricate, tag, furnish, deliver, and install the finish hardware for the Project as required and indicted on the Contract Documents including but not limited to: stanchions, hinges, cores, lock sets, pull handles, crash bars, kick plates, card scanners, wall mounted card scanners, door position switches, auto operators, ADA operators, etc. or as otherwise noted in the Contract Documents. All hardware will be catalogued and confirmed as delivered. Any substitutions in door hardware is required to be submitted during the bid period.
12. Door Glazing – This Subcontractor shall include all door glazing. This shall include preglazed doors or glazing onsite. This shall include all glazing stops, adhesives and sealants.
13. Delivery – This Subcontractor shall have a representative on site for receiving and logging in all frames, wood doors, hollow metal doors, and finish hardware as it is delivered. The Subcontractor's monthly Pay Application shall be based on delivery tickets signed by the Construction Manager for any given month. All deliveries must be coordinated with the Construction Manager and are to be made in accordance with the scheduled sequence of work. Out of sequence delivers will not be accepted.
14. Receive and Inventory Materials – This Subcontractor is responsible for receiving, creating inventory, and storing all doors, hardware, and accessories that are required to be installed by this Scope of Work. This Subcontractor will notify the Construction Manager within 3 days of receipt of inventory of any missing, damaged, or incorrect item as listed in the Contract Documents.
15. Shop Drawings and Coordination -This Subcontractor shall provide all of the required coordination between the approved hardware shop drawings and the preparation and fabrication of the doors and frames. This includes coordinating all frames with wall thicknesses. This Subcontractor shall correct all miss-fabricated doors or frames in the field as required by the Construction Manager. This Subcontractor will be responsible for the reproduction of all shop drawings and other submittals including the cost thereof. This includes "field use" shop drawings which are to be sent to the jobsite immediately after shop drawings have been approved.

16. Quality Control – This Subcontractor shall be responsible to coordinate quality control walks with The Construction Manager and with itself after and during the installation of all doors.
17. Transport of Doors and Hardware – This Subcontractor shall be responsible for relocating all doors and hardware from the door and hardware room to the final installation location. All labor and cost associated with this work shall be this Subcontractors responsibility.
18. Preparation - This Subcontractor shall install the hollow metal doors, wood doors, and hardware as required and indicated on the Contract Documents. Any minor adjustments required to provide a fully operational door, frame, and hardware assembly shall be included in this Subcontractors scope of work.
19. Adjusting – This Subcontractor shall provide all lubrication, adjustment, cleaning, and instruction related to their scope of work. This Subcontractor shall be responsible for all final adjustment of the doors and hardware after final building Test & Balance has been taken place. This Subcontractor has included all necessary mobilizations in order to accomplish these adjustments.
20. Necessary items for Completion - This Subcontractor agrees that the intent of this Subcontract is to provide all items necessary for a complete and total job. Items such as but not limited to: wall bumpers, extra silencers (+15% of job), weather stripping, thresholds, anchors, fasteners, adhesives, bolts, shims, and related items are the responsibility of this Subcontractor whether or not they are specifically called for in the Contract Documents. They are to be furnished by the Subcontractor at no additional cost, if necessary, to provide a complete and total job, including compliance with requirements of applicable codes and governing authorities.
21. Damaged Products – It shall be the responsibility of this Subcontractor to notify the Construction Manager of any materials that are damaged during the processes of construction. This Subcontractor shall be responsible for all minor touch up associated with this scope of work.
22. Final Keying – This Subcontractor will provide all final keying for the entire building, including all required submittals and the Owner keying conference to map out degree of security as noted in the Contract Documents. All final cores will be delivered directly to the Owner’s lock shop and will be installed by the Owner’s lock shop.
23. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
24. Alternates – This subcontractor shall review all alternates as listed in specification section 012300 and as shown in the contract documents. This subcontractor shall provide alternate pricing for each applicable alternate to this scope of work. Items listed below shall part of this subcontractor’s scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification:

Scope Alternate No. 1 – Security, Access Controls & Video Surveillance

***Required**

This subcontractor shall provide an add alternate to include the Security, Access Controls & Video Surveillance scope of work as part of this subcontract. This shall include all scope shown on the security plans (E304 – E307) and include but not be limited to the following:

- Provide and install all door access controls including but not limited to all electrified hardware, card readers, DPS, REX, Lenel boards, enclosures, power supplies, low voltage door wiring, etc. Frame side pathways will be by 26B.
- This subcontractor shall provide and install all interior and exterior cameras and be responsible for all programming, adjusting, positioning, etc. Pathways & data drops for cameras will be provided by 26B.

- This subcontractor shall provide all security wiring and devices for panic buttons. Pathways will be by 26B.
- Complete all programming for access control & security.
- Add Alternate #1 – Card Readers
 - E304 - Note 7 applies to this alternate
 - E305 - Note 6 & 7 applies to this alternate
 - E306 - Note 4 & 8 applies to this alternate
 - E307 - Note 6 & 7 applies to this alternate
 - See door schedule and hardware sets for hardware alternates
 - This Subcontractor will be responsible for wiring and devicing all demountable partition doors indicated to have security and or electrified hardware. This includes all door side wiring, including, but not limited to, all power supplies, position switches, card readers, etc. necessary for a complete and functioning door. The demountable partition doors and hardware will be provided by others, but installed, wired, connected, and tested by this Subcontractor.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL
FRAZEE INTERIOR FIT-UP

Subcontract 09C – Carpet & Wood Flooring

Project No. 2591.3
Purchasing Officer: Ken Scott

Project Title: FRAZEE INTERIOR FIT-UP

NOTE: The following Form of Proposal shall be followed exactly in submitting a proposal for this work. If this copy is lost, an additional copy will be furnished upon written request to the authority issuing Contract Documents.

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Date: _____

Telephone: _____

TO: BID CLERK
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION
PROCUREMENT
RM. 322 SERVICE BUILDING
411 SOUTH LIMESTONE
LEXINGTON, KY 40506-0005

INVITATION TO BID: CCK-2667-23

BID OPENING DATES: November 10, 2022

TRADE CONTRACT DESCRIPTION: _____
Carpet & Wood Flooring

TRADE CONTRACT NO.: 09C

TIME: 3:00 P.M. E.D.T.

The Bidder, in compliance with your Invitation for Bids for the above referenced Project, having carefully examined the site of the Work, the Drawings and complete Contract Documents as defined in Article I of the General Conditions, as well as the Specifications affecting the work as prepared by the Consultant, hereby proposes to furnish all labor, materials, supplies and services required to construct the Project in accordance with the Contract Documents, within the time set forth therein, and at the price stated below without qualification.

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

ADDENDUM NO. _____ DATED _____

(Insert the number and date of any Addenda issued and received. If none has been issued and received, the word NONE should be inserted.)

FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST
I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2667-23 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
8. That the bidding contractor and all subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

SIGNED BY _____	TITLE _____
PRINT NAME _____	FIRM _____
ADDRESS _____	PHONE () _____
	FAX () _____
CITY _____ STATE _____ ZIP CODE _____	DATE _____

Contractor Report of Prior Violations of
Chapters 136, 139, 141, 337, 338, 341, and 342

Pursuant to KRS 45A.485, the Contractor shall, prior to the award of a Contract, reveal final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 by the Contractor that have occurred in the previous five (5) year period.

This statute also requires for the duration of the Contract established, the Contractor be in continuous compliance with the provisions of Chapters 136, 139, 141, 337, 338, 341, and 342 that apply to the Contractor's operations. The Contractor's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with any of the above cited statutes for the duration of the Contract shall be grounds for the cancellation of the Contract, and the disqualification from eligibility for future contracts for a period of two (2) years.

The Contractor, by signing and submitting a Bid on this Invitation, agrees as required by KRS 45A.485 to submit final determinations of any violations of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342 that have occurred in the previous five (5) years prior to the award of a Contract and agrees to remain in continuous compliance with the provisions of these statutes during the duration of any contract that may be established. Final determinations of any violations of these statutes, must be provided to the University by the successful Contractor prior to the award of a Contract.

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid CCK-2667-23 having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

The Bidder agrees to furnish all labor, materials, supplies and services required to complete the Work, for the above referenced Project, for the Capital Construction Procurement Section, University of Kentucky, as described in the Specifications and Contract Documents and shown on the Drawings enumerated below and as modified by the Addenda listed above.

Bidder hereby agrees that all escalation cost associated with materials and/or labor have been included in the stated unit cost, through the projected duration dates as stated in the preliminary project construction schedule.

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____
(USE WORDS) CENTS.

(\$ _____)
(USE FIGURES)

BID ALTERNATES

Scope Alternate No. 1: Include 09E – Ceramic Tile

*Optional

FOR THE LUMP SUM OF _____
(USE WORDS)

(USE WORDS) DOLLARS AND _____
(USE WORDS) CENTS.

(\$ _____)
(USE FIGURES)

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-Up
UK Project No. 2591.3

Add Alternate No. 3: Wood Flooring

*Required

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ DOLLARS AND _____ CENTS.
(USE WORDS) (USE WORDS)

(\$ _____)
(USE FIGURES)

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-Up
UK Project No. 2591.3

BUSINESS CLASSIFICATION

Please complete this form which is necessary for the University of Kentucky vendor database.
Mark only one classification. Refer to "Definitions" for assistance in determining correct classification.

- | | |
|--------------------------------------|--------------------------------------------------|
| (01)___ Small Business | (06)___ Woman-Owned Large Business |
| (02)___ Large Business | (07)___ Disadvantaged Woman-Owned Small Business |
| (03)___ Disadvantaged Small Business | (08)___ Disadvantaged Woman-Owned Large Business |
| (04)___ Disadvantaged Large Business | (09)___ Other |
| (05)___ Woman-Owned Small Business | |

DEFINITIONS

- (01) **SMALL BUSINESS:** A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.
- (02) **LARGE BUSINESS:** A business concern that exceeds the small business size code standards established by SBA.
- (03) **DISADVANTAGED SMALL BUSINESS:** A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.
- (04) **DISADVANTAGED LARGE BUSINESS:** A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.
- (05) **WOMAN-OWNED SMALL BUSINESS:** A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.
- (06) **WOMAN-OWNED LARGE BUSINESS:** A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.
- (07) **DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS:** A concern that meets the definition of both (03) and (05) above.
- (08) **DISADVANTAGED, WOMAN OWNED LARGE BUSINESS:** A concern that meets the definition of both (04) and (06) above.
- (09) **OTHER:** A concern that does not meet any of the above definitions.

THE FOLLOWING ITEMS ARE HEREWITH ENCLOSED AS REQUIRED BY KRS 45A.185

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
3. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
4. List of Materials and Equipment.
5. VENDOR NUMBER: It is imperative that you furnish your Federal Employer Identification Number in the space provided below. Failure to do so may delay the processing of purchase orders issued to your firm.

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

The Commonwealth of Kentucky Model Procurement Code (KRS 45A.080) requires contracts to be awarded, "to the responsive and responsible bidder whose bid offers the best value" to the University of Kentucky. In order to determine if the Bidder has the experience, qualifications, resources and necessary attributes to provide the quality workmanship, materials and management required by the plans and specifications, the Bidder may be required to complete and submit the information requested on the University of Kentucky Contractor Bidder Determination of Responsibility questionnaire. Failure to provide the information requested on the questionnaire or failure to provide any additional submittals or information that may be requested to make this determination may be grounds for a declaration of non-responsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

It is further agreed, that in the event this Proposal is accepted by the Owner and the undersigned shall fail to execute the Contract and furnish satisfactory Payment and Performance Bond within ten (10) consecutive calendar days from the date of notification of the award of the Contract, the Owner may at his option, determine that the undersigned has abandoned the Contract and thereupon, the Proposal shall become null and void and the Bid guarantee, check or Bid bond which accompanied it shall be forfeited and become the property of the Owner as liquidated damages for each failure and no protest pursuant to such action will be made. If the Undersigned shall execute the Contract, and furnish satisfactory Payment Bond and Performance Bond, it is understood that the Bid Guarantee or Bid Bond will be returned to the undersigned by the Owner.

UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders are required to complete and submit the following information with their bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM	UNIT	COST PER UNIT
Installer	HR	\$
Foreman	HR	\$
Moisture-Resistant Sealer-Surfacer	SF	\$
Moisture-Resistant Flooring Adhesive for Resilient Floors	SF	\$
Moisture-Resistant Flooring Adhesive for Carpet	SF	\$

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-Up
UK Project No. 2591.3

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

All subcontractors are subject to the approval of the Capital Construction Procurement Section and Capital Project Management Division, University of Kentucky, Lexington, KY.

If certain branches of the Work are to be done by the Prime Contractor, so state.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Provide the address, phone number and contact information for the following subcontractor/suppliers:

[illegible]

LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will definitely know what the Bidder proposes to furnish.

The use of a manufacturer's or dealer's name only, or stating "as per Plans and Specifications," will not be considered as sufficient identification.

Where more than one "Make" or "Brand" is listed for any one item, the Owner has the right to select the one to be used.

The apparent low bidder will be required to complete and submit to the University the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

UNIVERSITY OF KENTUCKY – Frazee Interior Fit-Up
UK Project No. 2591.3

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

The University of Kentucky encourages and supports the participation of minority and women owned businesses.

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

In accordance with Article 17 of the General Conditions a full-time superintendent will be required on this project. Below, please list the superintendent your firm will employ on this project. The successful Bidder will be required to furnish a resume of the superintendents' qualifications and or past projects.

List the Superintendent's Name

TRADE CONTRACT – ~~09C09C~~ – Carpet & Wood Flooring

This section defines in summary, without limitations by the descriptions, significant items of the scope of work to be performed by the Subcontractor and any special provision related to the Subcontractor's execution of the Work and the Project. The details of the scope of work are further defined in Drawings, Specifications, and other provisions contained in the Project Documents.

Unit ~~09C09C~~ – Carpet & Wood Flooring

This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

This work primarily includes, but is not limited to the following specification sections as well as related work specified or shown elsewhere in the Contract Documents:

All Specification Sections as they related to the Flooring scope of work.

*****Note: This Subcontractor is responsible for the requirements of the complete Contract Documents as they pertain to this Unit of Work.**

1. Scope of Work – It is the intent for this project is that this Subcontractor performs all works scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
3. Flooring Transitions – This subcontractor shall furnish and install all flooring transitions as shown in the Contract Documents.
4. Carpet Tile Flooring - This subcontractor shall furnish and install all carpet tile flooring, trim, accessories, metal strips, transitions, base adhesives, caulk etc. as shown and described in the contract documents for a complete scope of work.
5. Resilient Flooring – This subcontractor shall furnish and install all resilient flooring, trim, accessories, transitions, base, adhesives, caulk etc. per the contract documents for a complete scope of work.
6. Wood Strip and Plank Flooring – This subcontractor shall furnish and install all wood strip and plank flooring per the contract documents for a complete scope of work and finished product.
7. Walk-off Carpet – This subcontractor shall furnish and install CPT2 walk-off carpet including adding one layer of ½” plywood on top of existing sheathing to ensure a smooth transition between materials. (Note 2 on A711.)

8. Membranes – This subcontractor shall furnish and install all membranes as it relates to this scope of work per the contract documents
9. Testing - This Subcontractor shall be responsible for performing all testing for this Scope of Work per the Contract Documents, including but not limited to moisture and bond tests. Any tests that result in failure or non-compliance with the Contract Documents or manufacturer's specific instructions shall be re-tested at this Subcontractor's expense.
10. Moisture Levels – This subcontractor shall ensure that the flooring substrate moisture levels are below the required limit according to the contract documents and manufacturer's instructions. Acceptable moisture levels must be confirmed and shown in writing by this subcontractor.
11. Patterns and Orientation – This subcontractor must install all flooring finishes with patterns and orientations per the contract documents and the approved shop drawings.
12. Substrate Verification – This subcontractor shall verify that all surface conditions are acceptable per the contract documents and manufacturer's recommendations prior to installation of flooring materials. This subcontractor is responsible for sweeping and cleaning of floors to remove any excess debris prior to applying adhesives or flooring material. This subcontractor shall notify Whiting-Turner immediately of any discrepancies. Failure to do so shall indicate acceptance of the surface conditions.
13. Quantities & Dimensions – This subcontractor shall verify quantities and dimensions for this scope of work.
14. Material Storage – This subcontractor shall store material in a manner that is in accordance with the contract documents, specifications, and manufacturer's instructions.
15. Sequencing - This subcontractor acknowledges that portions of this scope of work are to be installed in conjunction with work by others and agrees to all coordination and sequencing required to ensure complete installation of work and to minimize interference with other scopes of work. This subcontractor shall notify Whiting-Turner if there is any sequencing issues that will affect this subcontractors ability to complete their scope of work per the contract.
16. Flooring Protection – This Subcontractor shall provide Ram Board, or equal as agreed to by the Construction Manager, and carpet protection film as directed by the Contractor to protect all work installed under this Subcontract until material completion. All seams will be taped, and the selected protection board will be compatible with the flooring systems installed. This Subcontractor will remove all temporary flooring protection as directed by the Construction Manager, and has included a final floor cleaning, in accordance with the manufacturer's instructions once the flooring protection has been removed. See also section 3.08 in Tiling project manual spec section. Flooring protection and final acceptance of the product shall be coordinate and carried out by this subcontractor per the contract documents (see note 8 on A700)
17. Shop Drawings – This subcontractor shall submit shop drawings for all flooring transitions and areas in which flooring patterns are shown as required by the contract documents.
18. Finished Floor Elevations – This subcontractor shall be responsible for coordinating finished floor elevations with all/any floor mounted components (receptacles, access panels, etc.) so that components are integrated and flush (example: see note H on A700)
19. Base – This subcontractor shall furnish and install all rubber/resilient base per the contract documents.
20. Minor Floor Prep – This subcontractor shall perform a minor flooring prep of each area where they install flooring. This includes, but is not limited to, sweeping, scraping, sanding, self-leveling etc.
21. Floor leveling – This subcontractor shall provide an allowance of \$10,000 for unforeseen floor leveling that may be needed as a result of the existing floor joists being uneven. This allowance shall be used at the discretion of the construction manager and any unspent portion shall be returned at the conclusion of the

project.

22. Closeout – This subcontractor shall complete all closeout and attic stock requirements per the contract documents
23. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
24. Alternates – This subcontractor shall review all four alternates as listed in specification section 012300 and as shown in the contract documents. This subcontractor shall provide alternate pricing for each alternate as applicable for this scope of work. Items listed below shall part of this subcontractor's scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification.

Scope Alternate No. 1 – Ceramic Tile

***Optional**

This subcontractor shall provide an add alternate to include the 09E – Ceramic Tile scope of work as part of this subcontract. See bid documents for 09E for all specific items related to this scope alternate.

Add Alternate No. 3 – Wood Flooring

***Required**

Provide hardwood flooring in lieu of engineered wood.

END OF SPECIFIC SCOPE