

INVITATION FOR BIDS: CCK-2561-22

RENEW/MODERNIZE FRAZEE HALL Bid Package 02 – All Work Categories Project #2511.8

ADDENDUM # 2

August 10th, 2021

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

IMPORTANT:

BID AND ADDENDUM MUST BE RECEIVED BY 08/17/2021 @ 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 disgualification.

- **1.** Clarification to Subcontract All Work Categories: Please see the attached answers to bid questions 1-67. The Bid Amount shall include the cost to provide this scope.
- 2. Clarification to Subcontract WC 00A Combination Bids: Please see the attached revised WC 00A bid form. Bidders that submit a combination bid must also submit an individual bid for each work category contained within the combination bid. This must be done for proper evaluation and bid leveling of each work category. The combination bid form shall be used to reflect any cost savings that can be achieved by having one subcontract managing or performing multiple work categories. Cost savings that should be considered should include but not be limited to: reduced overhead, reduced supervision, greater economy of scale, etc. If no cost savings is being offered, then a combination bid would not be necessary and individual work category bids should be submitted.
- **3.** Clarification to Subcontract All Work Categories: All work categories have been updated in addendum #2 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.
- **4.** Clarification to Subcontract <u>All Work Categories:</u> Please see the attached LAS Addenda #2 narrative and revised drawings and revised specification sections. The Bid Amount shall include the cost to provide this scope.

OFFICIAL APPROVAL UNIVERSITY OF KENTUCKY	<u>SIGNATURE</u>
Ken Scott	
Ken Scott / (859) 257-9102	Typed or Printed Name

University of Kentucky Purchasing Division 322 Peterson Service Building Lexington, KY 40506-0005

INVITATION FOR BIDS: CCK-2561-22

RENEW/MODERNIZE FRAZEE HALL
Bid Package 2 – All Work Categories
Project #2511.8

ADDENDUM # 2

AUGUST 10, 2021

Attachments:

- 1. Pre-bid Presentation & Sign-In Sheet
- 2. Site Logistics Clarifications
- 3. 33. Revised All Work Categories
- 34. Addendum #2 Drawings & Specifications

End of Addendum #2



Written Questions and Answers

CCK-2561-22

#2511.8 Renew/Modernize Frazee Hall

Bid Package #2 - All Work Categories - Renovate Existing Building and Construct Additions

No.	Question		Answer
1.	Will there be any tap fees for this project? If so can it be paid by owner or by allowance due to complexity of this being a renovation?	WT	Tap fees to be covered by an allowance in the WC 31A subcontract. The tap fee allowance shall be revised to be \$80,000 per Addendum #2.
2.	Does this project have a sewer tap fee? Which trade package to carry the cost of the sewer tap fee wc23a or wc31a?	WT	Tap fees to be covered by an allowance in the WC 31A subcontract. The tap fee allowance shall be revised to be \$80,000 per Addendum #2.
3.	Does this project have any domestic water and fire protection fees or expenses? Which trade package will carry these cost wc23a, wc21a, wc31a?	WT	Tap fees to be covered by an allowance in the WC 31A subcontract. The tap fee allowance shall be revised to be \$80,000 per Addendum #2.
4.	Who pays the cost of the temporary water supplied to the project? Owner, wc31a, wc23a or Whiting Turner?	WT	WC31A will pay the cost of temporary water as stated in Addendum #1
5.	Wc31a only provides traffic controls for their scope of work correct? Each bid package provides their own traffic controls as needed correct?	WT	Each work category shall be responsible for their own traffic control. WC01B shall provide a dedicated traffic control technician to be used at the discretion of the construction manager.
6.	Direct bury steam and condensate piping mentioned in specification section 232219 will the owner accept multi-therm 500 system? Will the owner only accept the perma-pipe system? Please advise	S&F	We would accept other products, but they must comply with or exceed all construction standards and methods called out in section 23 2219.
7.	Chilled water coils in specification 238216-2 paragraph 2,1c states coils to be rated for 200 PSI However UK's chilled water standards call for a 250 PSI rating. Which pressure rating applies to the chilled water coils? Please advise	S&F	Pressure test the chilled water coils to 250 pisg.
8.	Will the rock excavation on this project be classified or unclassified? Please advise	B+K	Per Section 3.3 of spec 030300, excavation shall be unclassified.

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9.	Special conditions articles 42.2.1 calls for any crane rigging to have a \$20,000,000.00 Inland Marine Policy. Is this correct for this project? Please advise	WT	Per UK direction, since there is no tower crane on this project there will be no requirement for the Inland Marine Policy.
10.	Due to the wood construction of the existing building, will press fit copper be allowed instead of soldering?	S&F	No.
11.	We would like to obtain a copy of the pre-bid sign-in sheet and/or a list of potential bidders for the University of Kentucky Renew / Modernize Frazee Hall Bid project.	WT	The pre-bid sign-in sheet was included in Addendum #1.
12.	Print H200 & H300 are missing the refrigerant lines sizes for the piping serving the OU's and IDU's. Please provide.	S&F	These should be sized by the equipment manufacturer for their specific equipment and loads for proper oil return.
13.	You have several different plumbing Fixture Numbers shown on the plan view vs the sanitary and domestic water risers. Please advise which fixture number is correct.	S&F	Water Closet in all single user restrooms, Rooms 012, 110, 218, 318, shall be WC-1B. Plans and risers to be revised accordingly.
14.	There is an overflow rain leader on P100 outside of the Student Center, where columns J and 10 intersect, there are no notes indicating where it runs to or where it's coming from. It also does not appear on any other levels. Is this included in our scope of work? Please clarify the intent.	S&F	Refer to Sheet P101/notes 15 & 14, sheet P102 note 11 for Roof leader from Connector (Alternate, see architectural for alternate descriptions.) Refer to Site Civil plans for continuation to storm system
15.	Please clarify the bid bond amount and form. Should it be on the AIA form, Whiting-Turner's form, or the AIA form with Whiting-Turner's addendum? If it is to be Whiting-Turner's form, should the amount be 5% or 10%?	WT	A bid bond of 5% on standard AIA forms is acceptable. Either of the Whiting-Turner forms will also be acceptable but not required.
16.	I saw in the spec under section 2.10. A. to provide an auxiliary car operating panel. This is a front opening elevator only and we are wondering if this auxiliary car operating panel still needs to be provided?	LAS	An auxiliary car operating panel does not need to be provided. Specification updated in Addendum #2.
17.	Regarding sheet A700, Interior Finish Schedule, Tile 2 is described as "Student Center Floor Tile – Match existing". Considering the Student Center is recent construction, can you advise the manufacturer, size and color of this material?	LAS	T2 is Crossville Shades "Thunder" 24"x24". Legend updated in Addendum #2
18.	As above, can you advise what the T5 "Student Center – Match Existing" wall tile is?	LAS	T5 is Crossville Shades "Mist" 12"x24". Legend updated in Addendum #2.
19.	Is roof under warranty? If so by whom or what Mfg?	LAS	There is a manufacturer's shingle warranty by GAF.

20.	Section 10 14 00 Signage: 2.02 C: Please provide scope, specifications and location of the Luminous Egress Path Markings and other "Glow in the Dark" signage	LAS	Luminous Egress Path Markings are not required for this project. Section removed from Specification updated in Addendum #2
21.	Section 10 14 00 Signage: 2.02 D Please confirm the size of the emergency evacuation brushed aluminum frame	LAS	12 ½" x 15 ½". Updated specification in Addendum #2
22.	Section 10 22 10 Demountable Partitions: How are glass vs. solid demountable walls differentiated in the plans & elevations? Please confirm	LAS	Keynotes added to interior elevations in drawings updated in Addendum #2.
23.	Section 10 22 10 Demountable Partitions: Exactly what components are we providing for the electrical in solid panels, or is that by others? Please confirm	LAS	There are no electrical components located on demountable partitions. Electrical rough-in will be required as part of demountable partitions at all demountable partition doors identified to have card readers. Alternate #1 doors to receive card readers in demountable partitions to be provided as part of demountable partitions package.
24.	Section 10 22 10 Demountable Partitions: o Is the expectation that the wood stile and rail door in the demountable partition (door 231) match door in GWB partition (door 229)? Spec calls for demountable partition manufacturer's standard stile and rail door. o Same as above for doors 329 and 331	LAS	Yes, the doors in demountable partitions are to match all new Type E1 doors in gypsum wall board partitions.
25.	Section 10 22 10 Demountable Partitions: Should Corridor wall (office south wall) of 326 be a demountable partition	LAS	Yes, the office south wall of 326 is to be demountable partitions. Added interior elevation H1/A619 in Addendum #2
26.	Section 10 22 10 Demountable Partitions: Should west wall of office 302 be demountable partition	LAS	Yes, the office west wall of 302 is to be demountable partitions. Added interior elevation H7/A619 in Addendum #2.
27.	Section 10 22 10 Demountable Partitions: Please confirm that card readers are provided by others	LAS	Card readers at doors in demountable partitions are to be provided as part of demountable partition if Alternate #1 is selected.
28.	Section 10 22 10 Demountable Partitions: Is the height indicated on the Door Schedule – Specialty (sheet A601) the height of the wall or the door itself? The height is indicated as 8'-1 7/8" with widths mostly 3'-0" but a few doors are approximately 3'-3" and 2'-9".	LAS	Doors in demountable partitions in are to be 3'-0" W by 8'-0" T. Widths at doors 301, 303 and 305 in Specialty Door Schedule updated in Addendum #2.
29.	Storm structure A-5 is roughly 10' deep and is within 1ft from the existing wall. Is this wall to be removed prior to this work or is this the responsibility of BP 31A to remove & replace?	WT	Removal of this existing wall is not acceptable to the University of Kentucky. WC31A to use means and methods to install storm structure A-5 without disturbing this

			existing wall or adjacent sidewalk.
30.	Is ADS-N12 pipe an approved storm pipe?	S	The University standard is storm pipes up to 12" should be PVC SDR-35. Storm pipes from 12" to 15" can be either PVC SDR-35 or RCP. Storm pipes greater than 15" should be RCP.
31.	It states BP31A is responsible for hauling off ALL spoils from other contractors. Can this be an allowance since we don't know the amount of material will need to be hauled off?	WT	WC31A shall haul off 650 CY of spoils from other subcontractors. This haul off shall be tracked and any unused portion shall be returned to the owner at the end of the project based upon the unit rates submitted.
32.	Addenda #1 revised to state that BP31A was responsible for providing, installing & maintaining a temporary stair scaffold. Is this the correct package?	WT	After further consideration this temporary stair scaffold will be the responsibility of WC01B. See site logistics plan clarifications with more details for this stair scaffold.
33.	Just to clarify the electrical package with pour there duct banks and BP31A will backfill from top of duct bank to surface?	WT	Yes, this is correct. WC26A shall form and pour the duct banks and WC31A shall backfill the ductbank.
34.	Just to clarify BP WC01B will have underpinning / shoring for building?	WT	Yes, WC01B shall provide shoring inside the building from the foundation to the bottom of the 3 rd floor. This is required to complete the structural modifications inside the building.
35.	Just to clarify BP 31A does not excavate for any footers except for retaining walls?	WT	Yes, this is correct. 03A to excavate for pilecaps and grade beams.
36.	Drawing E100 note 8 indicates there is to be an occupancy light above select doors as indicated on the architectural drawings. Where is this shown on the architectural drawings and has a fixture been specified for above doors?	S&F/LAS	Per door hardware specification 08 71 00 Hardware set AKR01, which is at all single-user restrooms, locate (1) LED Indicator panel directly over the exterior operator actuator; locate (1) LED Indicator panel directly over the "Push to Lock" interior operator actuator. The note on electrical plans at single-user restrooms updated in Addendum #2.
37.	Will there be an opportunity to visit the site and who should I contact for a walkthrough?	WT	Please contact Nathan Miller with Whiting-Turner to coordinate a site visit. E-mail: nathan.miller@whiting-turner.com Cell: (704)-706-1169
38.	On Sheet A105 the upper flat roof is indicated to be a copper flat seam roof system (07 6100.FLR). The sections A10/A534 and F10/A534 are	LAS	Note 3 removed from A105. Base bid is to be new PVC roof membrane at flat portion of Frazee. Alternate #5 has been added to

	indicated to be a membrane roof (07 5000.RM). Please clarify which roof system is to be installed on this roof area.		include the flat-seam copper roof at the flat portion of Frazee. Drawing A106 added in Addendum #2.
39.	On Sheet 201, General note H. calls for 25% of the upper and mi-level cornice are to be replaced. Can a sections/details be provided to identify what components of the entablature are to be included in the cornice assemblies? For example are the frieze, dentil blocks, and soffits all included in the cornice assembly?	LAS	It is unknown the exact profile of these cornices to be able to provide a detail. The metal cornice components include the frieze, dentil blocks and soffits.
40.	01B – General Requirements scope of work: #4. Erosion Control Maintenance: Are we to pay for and secure the SWPPP plans and permit in addition to installing the SWPPP items such as silt fence, inlet protection, etc.?	WT	No formal SWPPP is required as this site is less than one acre. WC01B shall develop an erosion control plan for approval by the construction manager and the University of Kentucky. WC01B will be responsible to install and maintain all erosion control measures.
41.	01B – General Requirements scope of work: #11. Existing Pavers: Is there a location offsite on UK property nearby where they can be stored?	WT	No, WC01B shall be responsible for offsite storage of these items.
42.	01B – General Requirements scope of work: #15. Fall Protection: What types of fall protection materials will we have to replace or repair if damaged?	WT	WC01B shall be responsible for maintaining and removal of the following fall protection materials: Cable railing at the perimeter of new steel structures to include debris netting as per Whiting-Turner requirements. Wood guardrails at window openings, leading edges and height over 6' to include debris netting as per Whiting-Turner requirements. Hole covers for holes greater than 2". WC01B shall also be responsible to provide, install and maintain elevator opening protection at all elevator entrances. This shall include guardrails and debris netting over opening.
43.	01B – General Requirements scope of work: #18. Precast Concrete Treads: Is there a manufacturer the architect has in mind for these concrete treads? Will the 09C Painter be responsible for painting the steel bolts after we install the concrete treads?	LAS/WT	Architect is open to precast tread options, submit product data and samples matching specifications. WC09C shall be responsible for painting the steel bolts after tread installation.

44.	01B – General Requirements scope of work: #21. 42' reach Lull: Is there a rated capacity minimum? 10,000 lbs. or 12,000 lbs.?	WT	WC01B shall provide, at a minimum, a lull with a 9,000 lbs maximum capacity rating.
45.	01B – General Requirements scope of work: #23. Traffic Control: i. Are we to assume the flagman is full time for the duration of the project (9/13/21 – 6/25/22)? ii. Can you confirm the exact responsibilities of the flagman with regards to cleaning vehicle debris, adjusting haul routes (fencing), etc.?	WT	WC01B shall provide a certified flagman for the full duration of the project. Responsibilities of the flagman shall include: Flagging. General cleanup around site entrances. Opening and closing of gates for vehicle access. Wheel washing as necessary.
46.	01B – General Requirements scope of work: Alternate #4: Will there be an available locked room in the building where the relocated monitor for the Green Room can be stored safely?	WT	No, there is no onsite storage available for this project. WC01B shall be responsible for offsite storage.
47.	The slate specifications (07 3126) call for the sizes of the slate to be graduated from 12 inches, random at eave and 14 inches random at ridge. Typically graduated slate roof start with longer slates at the eave and shorter at the ridge. Sometimes there are several graduations of lengths. Width is specified to be 6" nominal. This conflicts with the "random" width stated in the previous requirement.	LAS	Slate shingle specification updated in Addendum #2 to read 18 inches, random at eave and 14 inches random at ridge. Width changed to Random, ranging from 6 to 12 inches.
48.	The slate specifications also state the color is to match the Architect's sample. Can the color be provided? The price of slate can range greatly depending on the color and region/origin of the slate.	LAS	Architect to select from manufacturer's standard range. Specification updated in Addendum #2.
49.	Bid Category 08B new proposal form includes wording of "metal panels" under trade contract description, metal panels is part of bid category 07C correct?	WT	Correct, metal panels are part of WC07C. This description will be updated.
50.	Is there mock drawing showing size and what components are included (storefront, curtainwall and glass)?	LAS	Components are included in the specifications. Location of mock-up will be coordinated with UK.
51.	In reference to #2 above, if mock-up is required for 084313, 084413 and 085113, will it be used for approval of color sections?	LAS	Yes, mock-up will be used for approval of color selections of aluminum curtain wall and storefront. Color approval for aluminum windows will be done prior to installation of single mock-up in existing opening.
52.	Will field quality control testing be required for 084313, 084413 and 085113?	LAS	Field quality control testing indicated in Part 3 of each specification.

53.	Existing window Mark: H, is not being replaced per Note 1 A604 - but elevation calls out new panning - what is required?	LAS	Window is not intended to be replaced per Note 1 A604. Wood frame to be restored per specification 06 4900 and to be painted the same color as Aluminum window color 1. Yes, WC08B shall be responsible
54.	Is Spec Section 078453 spandrel insulation part of bid category 08B?		for 078453 Spandrel Insulation Assemblies.
55.	Bid category 08B is to furnish all finish hardware per listed hardware sets for all aluminum doors, correct?	WT	Yes, WC08B shall be responsible for all hardware per the listed hardware sets for all aluminum doors. This shall include automatic door operators and push buttons. WC08A shall be responsible for security wiring and card readers at these doors.
56.	Will there be safe access to all window openings for field measuring from interior side for releasing of window order - or will there be cost (material and labor) to bid category 08B?	WT	Whiting-Turner will not be responsible for dictating means and methods for this scope of work. Interior access to existing window openings is available but Whiting-Turner cannot guarantee that fall protection or exterior access to window openings will not be necessary for accurate measurement of window openings.
57.	Firestopping at intersection of floor slabs and curtainwall is by bid category 09A, correct?	WT	Based on the drawings there is no firestopping shown at the intersection of floor slabs and curtainwall.
58.	Is Gruvlok an acceptable manufacturer for Hydronic Pipe fittings/couplings	S&F	Not per UK Standards.
59.	Drawing E401 shows a panel labeled E3. The riser diagram on E400 does not have a panel titled E3 but does show panel E2. Panel E2 does not show up on the floor plans. Should panel E2 on the one line be removed and panel E3 be added?	S&F	This panel should be labeled panel "E3." There is no panel "E2." It is located on the third floor. See addendum #2 for clarification.
60.	Can the temporary sidewalk lighting and temporary fence lighting fixtures be specified; what kind of lighting is UK expecting? Reference Logistics plans shown in the pre-bid.	WT	Whiting-Turner will not be responsible for dictating means and methods for this scope of work. WC26A shall provide adequate temporary lighting to allow pedestrian to move through the area safely. To address specific areas from logistics plan: Logistics Plan Part 1 Left Side – The temporary lighting in this area is existing. Logistics Plan Part 1 Right Side – Some temporary lighting already

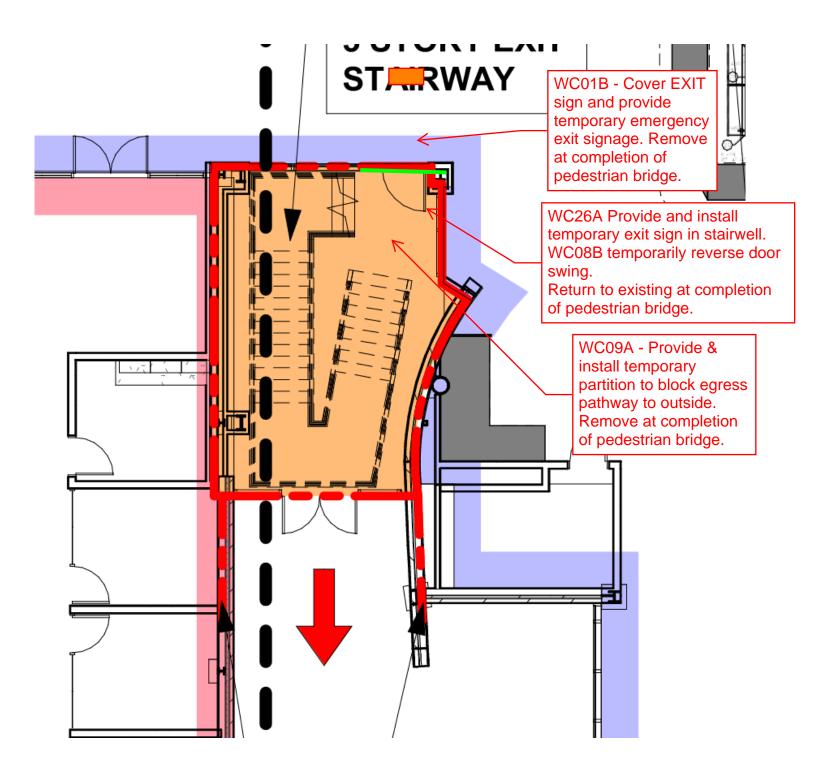
	Logistics Plan — Part 1 Processing the second second process and seco		exists in this area but it will need to be extended along with the fence line during the completion of the pedestrian bridge. Logistics Plan Part 2 Left Side – WC26A will be responsible for the means and methods for the installation of this temporary lighting. Logistics Plan Part 2 Right Side – This is not lighting related. This is printed signage.
61.	Please confirm the electrical contractor is not responsible for conduit, wiring of the high water alarms in the chilled water vaults. Reference U003.	WT	Correct, WC23B shall monitor alarms on manhole sump pumps and provide all associated conduit, wiring, relays, controllers, tier 1 reporting devices, etc. for a complete installation.
62.	Due to the need for site visits and coordinating with subcontractors, I would like to formally request a bid extension	WT	Due to the current delays in the procurement of many material and the required June 25th, 2022 substantial completion date, no bid extensions will be granted.
63.	Please clarify who is supplying what on the hardware. 8A scope requirements 3 and 21 and 8B requirements 1 and 3 seem to not be in agreement.	WT	WC08B shall provide and install all hardware (both mechanical and electrified) as listed in the hardware sets for the aluminum storefront doors. Items listed as "Provided by Access Control Supplier" shall be by WC08A.
64.	While the storefront supplier is responsible for specialized storefront items, i.e., pivots, handles, weatherstripping, who is responsible for more generic items, i.e, door stops, closers, exit devices, etc? It would make sense for these to come from a single supplier to assure all within the building are the same manufacturer and under a single warranty.	WT	To ensure a clear delineation in the scope, WC08B shall provide and install all hardware (both mechanical and electrified) as listed in the hardware sets for the aluminum storefront doors. Items listed as "Provided by Access Control Supplier" shall be by WC08A.
65.	Does specification section 23 09 00-20, Manual Override Switches, apply to Terminal Units? (Fan Coil Units and the Hot Water Heater)		Unit controls should operate as "stand-alone" if the network goes down. We do not need manual override switches for fan coils. These override switches are for

			major central equipment.
66.	Should the Fan Coil Units have factory mounted controls or field mounted controls? If field mounted, what is the point capability for any needed additional points?		Either is ok, as long as they comply with specifications and meet the sequence of operation and I/O points on IC500.
67.	Per Addenda# 1, Specification Section 085113 – Aluminum Windows, the verbiage under 2.01 sub-section B./1. Was changed to include pour and de-bridge thermal breaks are not acceptable. Winco's Historical Single-Hung windows 4410S is pour and de-bridge therefore takes us out of the job even-though approved in the section just above. I have attached a brochure for both the Graham Product and Winco's product. The only thing that a strut system will do that pour and de-bridged system can't do is offer two different colors for the interior/exterior finish. Otherwise, all performance including U-values are better than the specification requirements. It is understandable that Graham does not want any competition on this project but I ask that you reconsider that addition to the specification. Winco has been providing this window on many UK buildings for years. In a reverse competitive though process I might suggest that the Air infiltration be less than .10 CFM/FT2@6.24 PSF or CRF must not be greater than 52. Either would not hurt Winco's window which meets that but either of the two would not allow Graham to bid the product.	LAS	The reference to pour and debridge thermal breaks has been removed in Addendum #2. The design intention is for the exterior window panning to be a separate color from the window frame. The window frame is to be the same color on the exterior and interior.

BASE BID - LOGISTICS PLAN CLARIFICATIONS



ALTERNATE #4 - LOGISTICS PLAN CLARIFICATIONS



UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 00A –	Combination Bid Packages		
Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>			
•	I shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.		
This Proposal is submitted by:	(NAME AND ADDRESS OF DIDDED)		
Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22		
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021		
PROCUREMENT	TRADE CONTRACT DESCRIPTION:		
RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	COMBINATION BIDS TRADE CONTRACT NO.: 00A		
LEXINGTON, KY 40506-0005	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 recei	pt 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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.

Combination Bid Packages

Instructions:

When submitting a combination bid, place check marks below to indicate which work categories you are including in this form and fill in the lump sum and alternate prices for that combination. (Bidder must check a minimum of two boxes to qualify as a combination bid.) With this proposal you must also submit pages 8 pages 4 through the end of the Forms of Proposal from each individual bid packages. By completing a combination bid you are responsible for the information included in each individual bid package (including general work requirements, scope of work, etc.). With this proposal you must submit a price for each individual work category so that each work category can be properly evaluated. The combination bid price shall be used to reflect the cost savings if awarded all work categories as a combined subcontract.

	rk Categories: Please Indicate ALL Work Categories uded in Your Combination Bid	Must Check at Least Two
1.	01B – General Requirements	
2.	02B – Selective Demo	
	03A – Concrete	
4.	04A – Masonry	
5.	04B – Façade Repair	
	05A – Structural & Miscellaneous Steel	
	06A – Architectural Woodworking	
8.	07A – Roofing	
	07B – Waterproofing	
	07C – Metal Panels	
	07D – Fireproofing	
	08A – Doors, Hardware & Security	
	08B – Glass & Glazing	
	09A – Metal Framing, Drywall & Ceilings	
	09B – Flooring	
	09C – Painting & Refinishing	
	09D – Ceramic Tile	
	10A – Accessories	
	10B – Demountable Partitions	
	10C – Signage	
	12A – Window Treatments	
	14A – Elevator	
	21A – Fire Protection	
	23A – Plumbing, HVAC & TAB	
	23B – Controls	
	26A – Electrical & Fire Alarm	
	31A – Sitework & Utilities	
	31B – Deep Foundations	
	32A – Landscape & Irrigation	
30.	32B – Hardscape	

For clarity, write on the line below which Work Categories are included in this bid.				
Work Categories Included:				
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)DOLLARS ANDCENTS.				
DOLLARS ANDCENTS. (USE WORDS) (USE WORDS)				
(\$) (USE FIGURES)				
BID ALTERNATES				
Add Alternate No. 1: Card Readers				
FOR THE LUMP SUM OF				
(USE WORDS)				
USE WORDS) DOLLARS AND CENTS. (USE WORDS)				
(\$) (USE FIGURES)				

Add A	Alternate No. 2: Terrace	ed Seat	Wall			
FOR	THE LUMP SUM OF					
			(U:	SE \	WORDS)	
			DOLLARS AND)		CENTS.
	(USE WORDS)				(USE WORDS)	
(\$	(USE FIGURES)	_)				
Add A	Alternate No. 3: Wood	Flooring	I			
FOR	THE LUMP SUM OF					
			(U	SE \	WORDS)	
	(USE WORDS)		DOLLARS AND) <u> </u>		CENTS.
					(USE WORDS)	
(\$	(USE FIGURES)	_)				
	(00211001(20)					
Add A	Alternate No. 4: Pedest	trian Wa	alkway and Gattor	st St	udent Center	
F∩R	THE LUMP SUM OF					
1 011	THE LOWIN COWN CI		(U	SE \	WORDS)	
			DOLLARS AND)		CENTS.
	(USE WORDS)		•		(USE WORDS)	
(\$	(USE FIGURES)	_)				
	(USE FIGURES)					
Add A	Alternate No. 5: Flat Se	eam Cor	oper Roof			
FUR	THE LUMP SUM OF		(U:	SE \	WORDS)	
				`		CENTS.
	(USE WORDS)		DOLLARS AND	_	(USE WORDS)	CLIVIO.
(\$)				
۱Ψ	(USE FIGURES)	_/				

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	(80)	_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)
- 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.

TRADE CONTRACT - 00A - COMBINATION BIDS

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 00A - COMBINATION BIDS

All Work Categories are to be used as references for information regarding the combination bids noted above. Individual Work Categories will be combined to form the combination bids, with all scope and form items in the individual Work Categories applying.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 01B – General Requirements			
Project No. <u>2511.8</u> Project No. <u>Project No. Matt Spalding</u>	ect Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> —		
	I shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.		
This Proposal is submitted by: Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: <u>CCK-2561-22</u>		
CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING	BID OPENING DATES: August 17, 2021 TRADE CONTRACT DESCRIPTION: General Requirements		
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: 01B TIME: 3:00 P.M. E.D.T.		
having carefully examined the site of the Documents as defined in Article I of the Specifications affecting the work as prefurnish all labor, materials, supplies and	pared by the Consultant, hereby proposes to d services required to construct the Project in hts, within the time set forth therein, and at the		
The Bidder hereby acknowledges recei	pt of the following Addenda:		
ADDENDUM NO	DATED		
ADDENDUM NO	DATED		
ADDENDUM NO			
(Insert the number and date of any Add issued and received, the word NONE s	lenda issued and received. If none has been hould 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 (<u>)</u>
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 <u>CCK-2561-22</u> 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		
DID ALTERNATED		
Add Alternate No. 1: Card Reader	s	
FOR THE LUMP SUM OF	(USE WORDS)	
(USE WORDS)	_ DOLLARS AND(USE WORDS)	CENTS.
(\$) (USE FIGURES)		

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(LISE WORDS)	CENTS.
			(OSE WORDS)	
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floor	ing		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian	Walkway and Gatton S	tudent Center	
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam (Copper Roof		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			

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 Rusiness	

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.
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- (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)
- 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.

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

ITEM	UNIT	COST PER UNIT
Flagman	HR	
Laborer	HR	
Carpenter	HR	
Foreman	HR	
Wood Subfloor Sheathing (Provide & Install)	SF	
(2) 2x12 Floor Joists (Provide & Install	LF	
Lull Rental Weekly	WK	
Lull Rental Monthly	МО	
Student Center Exit Scaffold Stair Tower Rental Weekly	WK	
Housekeeping Pad (Formed, Reinforced & Poured)	CY	

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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
Lull	

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
SUPE	RINTENDENT
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.
List the	e Superintendent's Name

Revised 3/22/06

TRADE CONTRACT - 01B - 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 01B – 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 <u>complete</u> <u>Contract Documents</u> as they pertain to this Unit of Work.

- 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. <u>PlanGrid License</u> 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 (5) one-year PlanGrid "Crane" licenses to use at their discretion. These licenses shall go into effect starting January 3rd, 2022. Emails for licenses to be confirmed with the Construction Manager.
- 3. Site Fencing This Subcontractor shall provide and install temporary fence (fence panel on water filled jersey barrier) and road/sidewalk closure signage per logistics plan. This subcontractor shall rework fencing for each phase of construction. (See logistics plan for locations and amounts of fencing and temporary signage.) This subcontractor shall provide a fencing allowance of \$10,000 and 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. This Subcontractor shall provide for the removal of two gates (four panels), two fence posts, and approximately 10 feet of fence mesh on the existing construction fence for crane accessibility during the steel build out of the pedestrian bridge and Stair A. Additionally, this Subcontractor will provide for approximately 50 feet of temporary fence panels for this area to maintain site security, and the replacement of the two gates (four panels),

two fence posts, and fence mesh after completion of crane operations. As well, remove approximately 10 feet of curb.

- 4. <u>Erosion Control Maintenance</u> This Subcontractor is responsible for the development, permitting and installation of a SWPPP for all additional areas for this project phase. This shall include but not be limited to the Administration Drive utilities work. This Subcontractor will also be responsible for maintenance, and removal thereof, of all erosion control measures and jobsite entries for the duration of the project.
- 5. <u>Safety</u> 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.
- 6. Building Shoring This Subcontractor shall provide and install engineered shoring system throughout existing building, continuously from foundation to third floor, to support structural modifications of existing building. See Demo/Reconstruction Sequencing Notes on S200 series drawings. Modify and remove shoring as demolition and construction progresses. Provide shoring at location of new girder/CMU wall. (S201 Note 6) In addition, this subcontractor shall provide a \$10,000 allowance for additional building shoring to be used as directed by the Construction Manager. 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.
- 7. Wood Framing This subcontractor shall provide and install all new wood framing per the contract documents to include but not be limited to the following:
 - Provide and install new wood floor and ceiling joists as shown on structural drawings.
 - Replace wood joists as necessary to accommodate new work. (S201 Note 5)
 - Provide and install all new joist hangers including where joists are supported by CMU (S201 Note 10)
 - Provide and install new wood girders and new supports for girders. (S201 Note 7 & Note 8)
 - Provide and install new wood ledger for support of subfloor. (S201 Note 13)
 - Provide and install wood bracing at new columns and at top chords of wood trusses. (S201 S203 Note 15; S204 Note 2)
 - Provide and install framed openings for new attic and roof hatches. (AD104 Note 4; S204 Note 6 & Note 9)
 - Provide and install new wood roof rafters at location of elevator demo. Provide new roof sheathing at same location and provide temporary protection of area until roofer is onsite. (S204 Note 5)
 - Provide and install wood framing at roof MEP penetration (S204 Note 10)
 - Provide and install wood blocking at roof ladder and at post were not supported by girder (S204 Note 11 & Note 12)
 - Provide and install all support and blocking as required for tie-back anchors in existing roofing. Coordinate with 07A sub for locations and sizing. (S204 Note 13)
 - Provide and install wood framing and subfloor to infill the floor at the recessed area left at the two fireplaces on the first floor.
 - Provide and install wood blocking, strapping, and anchoring where existing framing runs parallel to the existing exterior wall as noted on drawings S201, S202, S203 & S204 in Addendum #2. (Detail G/S408)
- 8. <u>Subflooring</u> This Subcontractor shall provide and install new subflooring throughout existing building. See floor sheathing layout J/S403. This subcontractor shall provide and install new wood platform in attic at top of access hatch as indicated on the contract documents.
- 9. <u>Existing Building Structural Modifications</u> This subcontractor shall provide and install new steel floor support for existing building. This shall include but not be limited to the following:

- Shoring and cutting existing wood floor joists, "sandwiching" new steel beam with wood joists and through-bolting and reattachment of existing wood joists at new support beam. (Detail A/S406; Detail J/S407)
- All steel including new columns, baseplates, anchor bolts, embeds and beams. (S200 Note 9)
- All embeds for existing building structural modifications, demo of existing masonry wythes to create beam pocket and filling the beam pocket with non-shrink grout (Detail A/S406)
- Built-up Lintel This Subcontractor shall provide and install built-up steel lintel at existing load-bearing masonry wall. (Detail B/S408) See lintel installation notes and coordinate with 02B subcontractor for demolition of exterior wall.
- 11. Existing Pavers This subcontractor shall remove existing pavers from limits of construction and store offsite. (C-103 Note 18) Store already removed pavers offsite as well. (C-103 Note 8) Deliver back to site when hardscape subcontractor is ready for reinstallation.
- 12. <u>Housekeeping & Equipment Pads</u> Provide and install all housekeeping and equipment pads both interior and exterior. (U100 Note 23; H301) Provide and install curb for fan plenum case per HVAC drawings. (H301)
- 13. Protection of Existing to Remain Items This subcontractor shall protect the following existing items to remain: Protect limestone threshold at Level 1 entrances plan south and plan west. (AD101 Note 3)

 Protect limestone cheek walls to remain at exterior stair plan south. (AD202 Note 1)

 Protect all door frames and door frame trim to remain both at interior and exterior doors. This subcontractor shall also provide protection at new door frames once installed.
- 14. Weather Protection This subcontractor shall maintain all temporary weather protection installed by others at exterior openings. The intent is to prevent any major water intrusion into the existing building. If temporary weather protection is damaged through the course of construction or if major water intrusion occurs this subcontractor shall be responsible for repair, replacement, or reapplication of temporary measures. This subcontractor shall provide temporary weather protection at broken window at entrance (AD201 Note 5)
- 15. <u>Fall Protection</u> This subcontractor shall maintain all fall protection installed by others at exterior openings. If temporary fall protection is damaged through the course of construction this subcontractor shall be responsible for repair, and replacement of said fall protection. This subcontractor shall remove fall protection as construction progresses and fall protection is no longer required.
- 16. <u>Folding Access Ladder</u> This subcontractor to provide and install metal folding ladder and hatch for access to attic. Also provide and install associated safety rail at access opening.
- 17. <u>Crawlspace Vent</u> This subcontractor shall replace vent at bottom of limestone wall with solid metal cover. (A201 Note 2)
- 18. <u>Precast Concrete Treads</u> This Subcontractor shall provide and install precast concrete stair treads as required by the contract documents.
- 19. <u>Emergency Exit Stair Tower</u> For the duration of the Administration Drive shutdown plus two additional weeks (if needed) this subcontractor shall provide, install and maintain a temporary stair scaffold coming out of the student center stairwell for emergency exiting of pedestrians from the Student Center ballrooms. This is shown on page 3 of the site logistics plan.
- 20. This subcontractor shall provide and install grout for the infill of the elevator door sills. This subcontractor shall also slope ledges inside of elevator shaft using mortar.
- 21. This subcontractor shall purchase twenty (20) E Permit parking passes for the full duration of the project. These passes shall be used at the sole discretion of the construction manager to be assigned to subcontractors for parking near site.

- 22. This subcontractor shall provide a shooting boom forklift (lull) with a minimum 42' lift height for the full duration of the project. 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.
- 23. 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - a. Alternate No. 4 Protect existing to remain electrical and A/V equipment in student center. (AD102 Note 1)
 - b. Alternate No. 4 Remove, protect, store and reinstall monitor in Green Room. (AD102 Note 5)
 - Alternate No. 4 Provide signage and cover exit sign at student center exit stair. See Site Logistics Plan Clarifications.
- 24. Traffic Control This Subcontractor will provide a dedicated 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. Flagman hours shall be 50 hours per week during the Administration drive shutdown work and 40 hours per week for the remainder of the project.
- 25. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 26. Appropriate Common Requirements:
 - a) Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b) Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - c) O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
 - d) Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
 - e) Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Whiting-Turner personnel.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY – Renew/Modernize Frazee Hall UK Project No. 2511.8		

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 02B – Selective Demolition			
Project No. <u>2511.8</u> Project No. Project No. <u>Matt Spalding</u>	ect Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> —		
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: Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22		
CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	BID OPENING DATES:August 17, 2021 TRADE CONTRACT DESCRIPTION: Selective Demolition TRADE CONTRACT NO.:02B		
LEXINGTON, KY 40506-0005 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 Add issued and received, the word NONE s	enda issued and received. If none has been hould 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 <u>CCK-2561-22</u> 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	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID .	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reade	ers		
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floor	ing		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian	Walkway and Gatton S	tudent Center	
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam C	Copper Roof		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)	_	(USE WORDS)	
(\$)			
	(USE FIGURES)			

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	(80)	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)
- 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.

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

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

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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			
SUPE	RINTENDENT			
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidde required to furnish a resume of the superintendents' qualifications and or past projects.			
List th	e Superintendent's Name			
Revised	3/22/06			

TRADE CONTRACT - 02B - Selective Demolition

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 02B – Selective Demolition

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 related to the Selective Demolition scope of work.

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

- Scope of Work It is the intent for this project that the Selective Demolition Subcontractor performs all the
 work as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall
 furnish 100% supervision, labor, material, equipment, tools, appliances, warranties and guarantees, and
 everything necessary to selectively demolish, and prepare Frazee Hall for follow on renovation in full
 compliance with the Contract Documents.
- 2. <u>PlanGrid License</u> 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. <u>Stair A & Elevator Shaft Demo</u> This Subcontractor shall demolish existing Stair A, Elevator Shaft and associated remaining walls that support these structures. This shall include but not be limited to the following:
 - Demo Stair A and all remaining handrail and handrail anchors/supports (AD100 AD105 General Note B)
 - Demo Elevator Shaft (AD100 AD105 General Note G; AD104 Note 2) Demo existing roof rafters attached to elevator shaft (S204 Note 5) Demo concrete slab and steel joists over existing elevator shaft. (S204 Note 7)
 - Demo shaft walls to the plan north and plan south of existing Stair A
 - Demo wall plan west of Stair A all floors. This currently supports Stair A and should be demoed along with Stair A demo.
 - Demo third floor wall in front of elevator (AD 103 Note 1)
 - During demo of elevator shaft, coordinate with 01B subcontractor for temporary patching of roofing.
- 4. Exterior Wall at Stair A This Subcontractor shall demolish the exterior wall adjacent to Stair A for the full height of the building. (AD100 & AD101 Note 1; AD102 & AD103 Note 2; AD203 Note 2) This Subcontractor shall coordinate with 01B for lintel
- 5. <u>Exterior Components Demo</u> This Subcontractor shall demolish existing exterior components. This shall include but not be limited to the following:
 - Demo existing window well x3 (AD201 Note 6; AD202 Note 5; C-103 Note 16))

- Demo basement stair, retaining wall, canopy, railing, and door at plan south (AD100 AD105 General Note E; AD202 - Note 4 & Note 6)
- Demo exterior stairs at plan south, limestone cheek walls and threshold to remain (AD100 AD105 General Note D; AD202 Note 1)
- Demo remaining outside air units and associated piping into building (C-103 Note 15)
- Demo and salvage cornice at building exterior. (AD201 Note 3; AD 204 Note 7)
- 6. <u>Interior Components Demo</u> This Subcontractor shall demolish remaining interior components. This shall include but not be limited to the following:
 - Cut and demo new openings in bearing walls (AD100 AD105 General Note C)
 - Demo concrete over wooden joists Level 01 (AD101 Note 4)
 - Cut and demo portions of exterior wall for new Stair B doors (AD 204 Note 2)
 - Demo existing pipe columns, wood girders and steel posts all levels. (AD100 AD105 General Note F; S201 Note 14) Coordinate with 01B for this work as shoring must be complete prior to removal. Also include demo of existing footings for pipe columns. (S200 Note 13)
 - Demo attic access hatch. (AD104 Note 1)
 - Demo masonry walls at locations where fireplace/chimney once existed. (Not noted but shown as a dashed line at plan south of AD100 & AD101.)
 - Remove extruded nails from bottom of wood floor joists at all locations where wood floor joists will remain exposed to view or where they will impact the installation of new finishes.
- 7. <u>Basement Floor Demo</u> This Subcontractor shall cut and demolish basement flooring, subflooring and floor supports, to include but not limited to all wood subflooring on wood joists, concrete on wood joists and concrete slab on grade to the limits shown and as required for the installation of shoring, new foundations and under slab MEP items. (S200 Note 7, Note 16, Note 19)
- 8. <u>Remaining MEP Demo</u> This Subcontractor shall demolish existing MEP utilities under basement flooring and demo all other MEP items remaining in building. (AD100 AD105 General Note H)
- 9. <u>Hazardous Materials</u> All known Asbestos Containing Materials (ACM) where removed during an earlier bid package. This subcontractor shall provide an allowance of \$20,000 to abate and remove any unknown ACM that may be uncovered during this phase of demolition and construction. At any time during 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.
- 10. This Subcontractor shall provide and additional 100 labor hours for additional demolition that is above-and-beyond what is required for this scope of work.
- 11. <u>Plaster Removal</u> This Subcontractor shall remove plaster from bearing wall on Level 02 and 03, plan West. See dashed walls on AD102 & AD103
- 12. <u>Window Casings</u> This Subcontractor shall remove all window casings scheduled to be demolished in Contract Drawings.
- 13. <u>Disposal</u> This Subcontractor shall provide a means of disposal for all steel, concrete and masonry demolished within this scope of work.
- 14. <u>Shoring</u> This Subcontractor shall coordinate with 01B for building shoring prior to demo of any structural items. This Subcontractor shall also provide miscellaneous/supplemental shoring at shaft walls, exterior wall, door openings where main building shoring is not present.

- 15. <u>Coordination</u> The Subcontractor acknowledges that portions of this Subcontractor's scope of work are to be completed in conjunction with work by others and agrees to all coordination and sequencing as required. All demolition activities that could affect nearby occupied buildings must be cleared with the Construction Manager one week in advance. All deliveries must be coordinated with the Construction Manager in advance of the delivery.
- 16. Weather Protection This Subcontractor will provide weather protection on existing building after demolition is complete. As a portion of the existing building exterior becomes demolished and exposed to the outside elements and weather, this Subcontractor shall provide weather protection on that particular portion to ensure no weather damage will occur.
- 17. <u>Fall Protection</u> At any opening created by this subcontractor that creates a fall hazard of greater than 6ft, this subcontractor shall provide a permanent means of fall protection which meets all OSHA and Whiting-Turner fall protection standards. This includes, but is not limited to, installing fall protection at Stair A, window openings and window / door wells.
- 18. <u>Scaffolding</u> This Subcontractor shall provide, maintain, and dismantle designed scaffold systems necessary to complete the demolition scope of work.
- 19. Out of Sequence Work This Subcontractor agrees and understands that some work may be required to be performed out of sequence to facilitate the construction schedule. This will include at a minimum three mobilizations to perform selective demolition.
- 20. <u>Protection</u> This Subcontractor shall take measures required to protect existing structures during all work performed. This Subcontractor is to provide dust control measures and public safety mechanisms to be adequate to owner's standards for the University of Kentucky's campus. All protective measures are to be outlined in Subcontractor's site plan and schedule to be given to Whiting-Turner Construction Manager prior to any work beginning.
- 21. <u>Protection of Materials</u> This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
- 22. <u>Break Area</u> This subcontractor shall provide a communal break area for the project. All items will become property of the owner at the conclusion of the project. This shall include providing and setup of the following:
 - a) 4x 10x20 tents with window sidewalls ABCCANOPY EZ Pop Up or similar https://www.amazon.com/dp/B08DKLRJ9M/ref=twister B088NMLKC6? encoding=UTF8&th=1
 - 6x Ceiling mounted outdoor electric heaters DONYER POWER 1500W or similar https://www.amazon.com/DONYER-POWER-Outdoor-Electric-Ceiling/dp/B07FFPZK4C/ref=zg bs 553782 19? encoding=UTF8&refRID=PET8HE1GEF712YB5N7EW&th=1
 - c) 4x Commercial outdoor fans Tornado 24 Inch or similar https://www.amazon.com/Tornado-Circulator-Industrial-Commercial-Residential/dp/B07DVPWG6L/ref=sr_1 9?dchild=1&keywords=outdoor+fans&qid=1626131257&sr=8-9
 - d) 1x Large Evaporative Cooler. Hessaire MC61M or similar https://www.amazon.com/Hessaire-Products-MC61M-Mobile-Evaporative/dp/B00LBQKTBC/
 - e) 10x 6ft plastic folding table
 - f) 40x plastic folding chairs
 - g) 1x Resin Storage Shed for storage of break area items. Craftsman 7' x 7' Gable Storage Shed or similar https://www.lowes.com/pd/CRAFTSMAN-Common-7-ft-x-7-ft-Actual-Interior-Dimensions-6-8-ft-x-6-8-ft-Craftsman-Resin-Storage-Shed-Gable-Storage-Shed/1001052346
 - h) 10x 50ft heavy duty extension cords
 - i) 5x 100ft heavy duty extension cords
 - j) 200x S hooks for extension cord hanging. Checkers Quick Hook or similar https://www.checkers-safety.com/quick-hook-overhead-hanging-cable-protection
 - k) 4x Jobsite security cameras with extra batteries. VOSKER V150 LTE https://www.amazon.com/Cellular-Security-Including-Batteries-

Virtually/dp/B098GT5CHK/ref=sr_1_24?dchild=1&keywords=vosker%5C&qid=1628514830&s=electronics&sr=1-24

- I) Portable PA system for large jobsite meetings. Bose S1 Portable Speaker https://www.amazon.com/Bose-Bluetooth-Speaker-System-Battery/dp/B07BLZX73S/ref=sr 1 23?dchild=1&keywords=bose+all+in+one+pa+system&qid=1628 515457&s=electronics&sr=1-23
- m) Wireless microphones for PA system. HOTEC Wireless Dual Headset Microphones with storage case https://www.amazon.com/Hotec-Microphones-Transmitters-Rechargeable-Performances/dp/B08GPCBX8L/ref=sr_1_14_sspa?dchild=1&keywords=wireless+microphone+for+speaker+system&qid=1628515851&s=electronics&sr=1-14-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyMThTWkRaU0wwR08mZW5jcnlwdGVkSWQ9QTAzNjQ5MTUzTzdNUDNLSzJEUDlxJmVuY3J5cHRlZEFkSWQ9QTA4OTE2NTAzQj1POUlYUjVYVTFJJndpZGdldE5hbWU9c3BfbXRmJmFjdGlvbj1jbGlja1JlZGlyZWN0JmRvTm90TG9nQ2xpY2s9dHJ1ZQ=
- 23. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - a) Add Alternate No. 4 Demo interiors in student center as shown
 - b) Add Alternate No. 4 Demo opening in exterior wall of student center
- 24. <u>Traffic Control</u> 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.
- 25. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

26. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety
 requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will
 adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner
 personnel.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 03A – Concrete			
Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>			
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 BIDDED)		
Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22		
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021		
PROCUREMENT	TRADE CONTRACT DESCRIPTION:		
RM. 322 SERVICE BUILDING	Concrete		
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: 03A 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 receip	ot of the following Addenda:		
ADDENDUM NO	DATED		
ADDENDUM NO	DATED		
ADDENDUM NO			
(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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 B	Υ		TITLE
PRINT NA	ME	_	FIRM
ADDRESS	<u> </u>		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

Work Category – 03A

The Bidder, in compliance with the Invitation to Bid <u>CCK-2561-22</u> 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					
	•		(US	SE \	WORDS)	
	(USE WORDS)		DOLLARS AND		(USE WORDS)	CENTS.
(\$	(USE FIGURES)	_)				
	AL TERMATEO					
BID /	<u>ALTERNATES</u>					
<u>Add</u>	Alternate No. 1: Card R	Readers				
FOR	THE LUMP SUM OF					
			(US	SE \	WORDS)	
	(HOE WORDS)		DOLLARS AND		(USE WORDS)	CENTS.
	(USE WORDS)				(USE WORDS)	
(\$	(USE FIGURES)	_)				

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Add A	Alternate No. 2: Terraced	Seat Wall			
FOR	THE LUMP SUM OF _				
		(USE	WORDS)		
	(USE WORDS)	DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				
Add A	Alternate No. 3: Wood Flo	ooring			
FOR THE LUMP SUM OF(USE WORD		WORDS)			
	(USE WORDS)	DOLLARS AND _	(USF WORDS)	CENTS.	
			(552 1151,125)		
(\$	(USE FIGURES)				
Add A	Alternate No. 4: Pedestria	an Walkway and Gatton St	tudent Center		
FOR	THE LUMP SUM OF _				
		(USE	(USE WORDS)		
	(USE WORDS)	DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				
Add A	Alternate No. 5: Flat Sear	n Copper Roof			
FOR	THE LUMP SUM OF _				
		(USE	(USE WORDS)		
		DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				

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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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.

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

ITEM	UNIT	COST PER UNIT
Pier/Pile Caps	CY	\$
Grade Beam	CY	\$
Slab on Grade	CY	\$
Slab on Deck	СУ	\$
Vapor Barrier	SF	\$
Retaining Wall	SF	\$
Carpenter	HR	\$
Laborer	HR	\$
Foreman	HR	\$
Formwork	LF	\$
Reinforcing Steel	TN	\$
-		

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR
Concrete	
Carpentry	
Forms	
Reinforcing	

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
Excavators	
Mini-Ex	
Skid-Steer	

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				
SUPER	RINTENDENT				
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this . Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.				
List the	e Superintendent's Name				

TRADE CONTRACT - 03A - CONCRETE

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 03A –Concrete

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 concrete scope of work.

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u>

<u>Contract Documents</u> as they pertain to this Unit of Work.

Cast-In-Place Concrete

- 1. Scope of Work It is the intent for this project that this Subcontractor perform all the work as scoped herein and as specified in the Project Manual and Contract Drawings. The technique used to install the formwork and concrete will be the responsibility of the contractor. The techniques established shall allow for all requirements set forth in the Contract Documents. This Subcontractor will furnish all supervision, labor, material, hoisting, rigging, equipment, tools, appliances, scaffolding, shoring, formwork, warrantees, guarantees, and everything necessary for all structural concrete and related materials in full compliance with the Contract Documents. This Subcontractor shall include the design and erection of all formwork and accessories, pumping, placement and pouring of concrete, installation of all embeds, block-outs, dowels, furnishing and installation of reinforcing steel and any other incidentals necessary to the successful installation of the cast-in-place concrete including all accessories. All Rubbing and Patching as required shall be the responsibility of this contractor.
- 2. <u>PlanGrid License</u> 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. <u>Specific Items</u> This scope will include all cast-in-place concrete work to include but not be limited to the following:
 - Pile caps, piers, and grade beams for Stair A structure
 - Mat foundation, piers, and foundation walls for Stair B
 - Pile caps and piers for new columns in existing basement
 - Wall footings in existing basement
 - Retaining wall footings and retaining walls for new window wells. (B/S305)
 - Slab-on-grade for Stair A, slab-on-grade and stair-on-grade for Stair B
 - Slab-on-grade at existing basement
 - Elevator and sump pit
 - Slab on metal deck
 - Chilled water vaults and sump pits

This shall also include, but not be limited to: all stone base and subbase, vapor barrier, under slab insulation, basement pits for elevators or otherwise, concrete stairs, rebar and WWF reinforcing, and any required imbeds. Items that should <u>not</u> be included in this bid: hardscaping, site retaining walls, housekeeping/equipment pads

- 4. <u>Miscellaneous Items</u> This Subcontractor shall provide and install all miscellaneous items related to the cast-in-place concrete scope of work. This shall include the following:
 - This subcontractor shall provide and install all slab-on-grade prep including all compacted crushed stone, under slab insulation and vapor barrier. (S200 Note 7, Note 16, Note 18, Note 20)
 - This subcontractor shall provide and compact crushed stone to fill crawl space and elevator pit prior to placement of slab-on-grade. (S200 Note 2 & Note 3)
 - Provide and install compressible foam board between new and existing foundations for isolation. (S200 -Note 6)
 - Provide and install expansion joint around column bases (S200 Note 10)
 - Provide and install grout under structural steel base plates and provide concrete infill around column to protect base plates.
 - Install dowels where required between new and existing slab on grade (S200 Note 7)
 - Install concrete pier to be used as base for bollards serving exterior card readers and ADA push buttons. (S200 Note 11)
 - Patch existing slab-on-grade as required by the contract documents. (S200 Note 12) This shall include patching for trenching required to run new under slab MEP items.
 - This subcontractor shall be responsible for all thickened footers where penetrations or sleeves are required through the footer.
 - This subcontractor shall be responsible for all thickened slabs at stairs.
 - This subcontractor shall be responsible for all mudmats where required at pits and manholes
 - This subcontractor shall be responsible for all waterstop as required for this scope of work
 - This subcontractor shall provide high-early concrete mixtures at any location where concrete much reach full compressive strength prior to backfilling.
 - This subcontractor shall be responsible for forming and setting manhole vault lid access door provided by others
 - This subcontractor shall be responsible for excavating for pile caps, grade beams, piers, mat slabs, foundation walls, etc. Spoils will be placed in a specific location (to be determined) by this subcontractor and removed by others.
 - This subcontractor shall provide termite treatment under slabs as required by the contract documents.
 - This subcontractor shall install all anchor bolts and embeds (provided by others) into concrete.
- 5. Formwork —This Subcontractor shall provide concrete formwork systems consisting of plywood, metal, fiberglass, or combination thereof and all related materials and accessories required for a complete concrete formwork system, inclusive of all shop drawings and engineering as required per the Contract Documents. Formwork accessories that are embedded in concrete, including ties and hangers, shall be commercially manufactured products. Do not use non-fabricated wire form ties.
- 6. <u>Masonry Dowels & Dovetails Slots</u> This Subcontractor will be responsible for furnishing and installing all Masonry Dowels and Dovetail Slots. This Subcontractor should consult both structural & architectural drawings.
- 7. Engineering This Subcontractor shall be responsible for complete engineering and design of the concrete formwork and concrete reinforcing steel, A professional engineer registered in the State of Kentucky shall stamp all shop drawings or as required by the Contract Documents.
- 8. <u>Layout</u> The Subcontractor shall be responsible for the accurate layout of all formwork and any other work included in this scope. This Subcontractor shall conduct layout from a building control line and benchmark furnished by the Construction Manager. This contractor shall furnish a slab control line at each SOG elevation. Two lines in the North-South direction and two lines in the East-West Direction. These lines shall be accurate, true, and must be done in a way that they are accessible for the remainder of the project. They should stack

with the building to allow all other Subcontractors to use as control. Two elevation benchmarks, 5' above finish floor, shall also be provided at each slab elevation, other than pits.

- 9. Excavation This Subcontractor shall be responsible for all excavation for this scope of work. This shall include all excavation, to include hand excavation, required for final grading of footings, grade beams, pier/pile caps, or slabs on grade. The sitework Subcontractor will excavate the building pads to +/- 0.1' from subgrade plus associated sloping/benching down to the subgrade elevation. This Subcontractor has also included any "mucking" of wet soils for the duration of the foundations scope of work. The sitework subcontractor shall be responsible for removal of all spoils. This subcontractor shall pile all spoils in a central location as agreed upon by this Subcontractor, the sitework Subcontractor and WT.
- 10. Concrete This Subcontractor shall provide all concrete material. This Subcontractor shall also include all equipment and labor to pump the concrete into place including associated clean up. This includes a minimum of one man per truck when conducting pours. This Subcontractor shall coordinate with the Owner's testing agency as required per the Specifications; this includes but is not limited to: providing proper cylinders and test boxes per applicable ASTM sections. In the event that a test should fail, this Subcontractor shall either remove and replace the represented work, or repair the represented area as directed by the Structural Engineer and Architect. All cost associated with additional testing and rework shall be the responsibility of this Subcontractor.
- 11. Reinforcing Steel –The Subcontractor shall furnish and install all reinforcing steel according to contract documents. All materials needed to complete the installation of the reinforcing steel shall be the responsibility of this Subcontractor. This will include, but not be limited to, support chairs, reinforcing safety caps, and tie wire. All remedial work and costs caused by failed tests are the responsibility of this Subcontractor.
- 12. Embeds This Subcontractor shall install all inserts, anchors, anchor bolts and embedded miscellaneous metal items. Mechanical or electrical sleeves, conduits, electrical boxes, etc. shall be furnished and installed by others. The Concrete Subcontractor shall build boxes required for mechanical openings as shown on Contract Documents. This Subcontractor shall schedule placing of all concrete and will give ample notice and the opportunity to inspect embed placement and work related to concrete before concrete is placed. This subcontractor is responsible for removing all nails or other attachments from embeds when wrecking formwork.
- 13. <u>Anchorage for Embedded Items</u> This Subcontractor shall set and build into formwork anchorage devices and other embedded items required for other work that is attached to or supported by cast-in-place concrete.
- 14. Receiving Material Provided by Others This contractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to all embeds and anchor bolts. Any repair or replacement due to: failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.
- 15. Openings in Formwork for Other Trades This Subcontractor will provide openings in formwork to accommodate work for other trades. Determine size and location of openings and recesses from Subcontractors providing such items. Accurately place and support items built into forms. This Subcontractor must obtain written approval from the Construction Manager for openings not shown on the drawings.
- 16. <u>Concrete Pours</u> This Subcontractor shall notify the Construction Manager's project Superintendent a minimum of 72 hours prior to any pour.
- 17. <u>Placement</u> This Subcontractor shall furnish all labor, materials, tools, and requirement to transport the concrete materials to the point of placement; i.e., concrete pumps, wheel barrows, buggies, etc.
- 18. <u>Manpower at Truck</u> This Subcontractor shall provide the necessary manpower required at the concrete pump and/or truck to coordinate the location of concrete trucks at the concrete pump and operation of the concrete chute.

- 19. <u>Cold or Hot Weather Considerations</u> This Subcontractor shall provide any requirements and provisions to accommodate hot or cold weather placement of the concrete within this Scope of Work.
- 20. <u>Finishes</u> The Subcontractor shall be responsible for maintaining finishing tolerances per Specifications including exposed to structure and trowel finishes. Float finishes see specification, also consolidate concrete surface by hand-floating if area is small or inaccessible to power units. Surfaces should be uniformly sloped toward drains where applicable. Surface should be a uniform, smooth, granular texture. Waterproofing Finish finish of surfaces to receive waterproofing will comply with preparation standards set forth in the applicable Specification or comply with manufacturers' specified instructions for application by product type.
- 21. <u>Curing</u> The Subcontractor shall cure all slabs on grade in a manner consistent with the Specifications. This includes providing all required curing blankets and a watering system for the duration of the curing process.
- 22. <u>Sawcutting</u> Sawcutting required by the Contract Documents shall be the responsibility of this Subcontractor. Construction joints shall be made according to the construction documents. This Subcontractor shall ensure that the work area shall remain clean of dust, concrete waste, excess water, and any other debris caused by the saw cutting process.
- 23. <u>Task Lighting</u> Any task lighting required to ensure adequate working conditions is the responsibility of this Subcontractor. This includes the lights stands, lights, generators, power cords, and any other equipment to operate the lights.
- 24. <u>Perimeter Safety Rails</u> This Subcontractor shall furnish, install, and maintain perimeter safety rails at the transitions of slab elevation changes, all pits and hole covers until the completion of this scope of work. Safety cables, wood rails, stands, and turnbuckles are the responsibility of this subcontractor. Safety cables and associated accessories will remain the Construction Managers possession.
- 25. <u>Truck</u> Subcontractor is aware of the constricted area, and that trucks will not be permitted to park in construction zone, unless dispensing concrete.
- 26. Existing Structures The Subcontractor shall make complete examination and survey of all existing adjacent structures, and roadways to determine all information necessary to design and erect the concrete formwork. This Subcontractor shall be responsible for repairing any damage to existing structures or roadways that result from executing this Scope of Work.
- 27. <u>Protection</u> Protect freshly placed concrete from premature drying and excessive cold or hot temperatures per the Contract Documents.
- 28. <u>Concrete Washout</u> This Subcontractor is responsible for providing or building a mobile concrete washout station, (preferably a movable dumpster) including regular maintenance and cleanout. This includes the removal there of once this scope of work has been completed.
- 29. <u>Traffic Control</u> 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.
- 30. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed

contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail. All activities related to the shutdown of Administration drive and manhole installation are critical and dates and durations are not flexible. This subcontractor shall bid these specific activities as 50-hour work weeks (at a minimum) in order to expedite and keep these activities on track.

31. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 32. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - Alternate No. 3:
 - o See add alternate notes on S201 for slab thickness depending on flooring type.
 - See Note 19/S200 for replacement of slab on grade.
 - Alternate No. 4
 - o Install pile caps for connection to bridge columns. Install underpinning at pilecap D/1 as required per the underpinning notes on S200.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 04A – MASONRY & STONE				
Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>				
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:				
Date:	(NAME AND ADDRESS OF BIDDER)			
Telephone:				
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22			
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021			
PROCUREMENT	TRADE CONTRACT DESCRIPTION:			
RM. 322 SERVICE BUILDING	Masonry & Stone			
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: <u>04A</u> 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No.
 <u>CCK-2561-22</u> 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 NA	ME		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 <u>CCK-2561-22</u> 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 /	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reade	rs		
FOR	THE LUMP SUM OF			
. 0		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)	<u> </u>	(USE WORDS)	
(\$	(USE FIGURES)			
Add	Alternate No. 3: Wood Floor	ing		
FOF	R THE LUMP SUM OF			
1 01	(THE LOW! GOW! OF	(USE	WORDS)	
		DOLLARS AND		CENTS
	(USE WORDS)		(USE WORDS)	OENTO.
(\$	(USE FIGURES)			
	Alternate No. 4: Pedestrian	Malkway and Gatton S	tudent Center	
Auu	Alternate No. 4.	Walkway and Gallon S	tudent Center	
FOF	R THE LUMP SUM OF	(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam 0	Copper Roof		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)		·	

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 Rusiness	

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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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 <u>later date.</u>

ITEM	UNIT	COST PER UNIT
BRICK (INSTALLED, FINISHED, W/ REINFORCING)	SF	\$
STONE (INSTALLED, FINISHED)	SF	\$
CMU (INSTALLED, FINISHED, W/ REINFORCING)	SF	\$
DAMP PROOFING	SF	\$
METAL FLASHING	LF	\$
EXTERIOR INSULATION (INCLUDING FASTENERS)	SF	\$
CAULKING	LF	\$
SETTING DOOR FRAMES	EA	\$
LABORER	HR	\$
INSTALLER	HR	\$
FOREMAN	HR	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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				
SUPE	RINTENDENT				
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.				
List th	e Superintendent's Name				
Revised	3/22/06				

TRADE CONTRACT - 04A - MASONRY & STONE

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 04A – Masonry & Stone

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 <u>complete</u> <u>Contract Documents</u> 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 concrete unit masonry in full compliance with the Contract Documents. This Subcontractor shall install the following items furnished and delivered by others: All steel lintels at new masonry openings and hollow metal door frames located in masonry walls. Installation of these items includes everything previously stated in order to completely install as required by the Contract Documents.
- 2. <u>PlanGrid License</u> 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. <u>Unit Masonry Assemblies</u> This Subcontractor shall furnish and install all unit masonry and all necessary materials for a comprehensive unit masonry installation in strict compliance with the contract documents. This shall include but not be limited to:
 - Provide and install all CMU for elevator shaft and adjacent closet/room.
 - Provide and install all CMU for mechanical/plumbing shafts.
 - Provide and install masonry infill at existing door openings in bearing walls as indicated on the contract documents.
 - Provide and install all horizontal and vertical reinforcing for CMU.
 - Install steel embeds, lintels, hoist beam embeds and other miscellaneous steel shown to be incorporated into this scope. (Provided by steel subcontractor) (S201 Note 1)
 - Provide and install new brick façade on elevator tower including Flemish bond pattern.
 - Provide and install all grout, grout fill, mortar, bond beams, masonry lintels, flashing, weeps and other accessories for brick & CMU install. Bond beams (S201 Note 9) Masonry Lintel (S201 S204 Note 1)
 - Provide and install all rigid insulation behind brick.
 - Install and grout all door frames to be installed in masonry walls. (Door frames provided by others.)
 - Provide and install all joint sealant for CMU to CMU, Brick to Brick or CMU to Brick joints shall be the responsibility of this subcontractor.

- 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 and install stabilizing anchors between new and existing CMU walls. (\$200 Note 14)
- This subcontractor shall damp proof masonry, stone, grout and mortar joints that are below grade per the contract documents.
- Provide samples and mockups for all masonry and stone units as required by the contract documents.
- Provide all expansion joints for masonry and stone units as required by the contract documents.
- Provide and install new CMU wall inside existing tunnel to allow Northeast corner of tunnel to remain. (S200 Note 17; S305 Detail E)
- 4. <u>Stone Cladding</u> This Subcontractor shall furnish and install all stone cladding on exterior retaining walls and seat walls and all necessary material for a comprehensive stone cladding installation in strict compliance with the contract documents. This shall include but not be limited to: face stone, cap stone, mortar, caulk, weeps, flashing, vents, stainless steel wall ties, stainless steel dowels, epoxy, damp proofing, water repellant, etc.
- 5. Patching This subcontractor shall provide an allowance of \$5,000 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.
- 6. Coordination with 04B 04A and 04B have similar scopes of work. This subcontractor shall review and understand the 04B Façade Restoration scope to avoid double coverage of scope. The intent of 04B is to repair and patch the historical façade while this scope is mainly aimed towards providing and installing new masonry and stone units.
- 7. Receiving Material Provided by Others This Subcontractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to all HM door frames located in masonry walls, loose lintels, etc. Any repair or replacement due to: failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.
- 8. Embedded Reinforcing This Subcontractor shall coordinate installation of masonry units with the Concrete Subcontractor. The vertical reinforcing protruding from the concrete slab shall be installed by the Concrete Subcontractor and verified by the Masonry Subcontractor. Prior to mobilizing on any given elevation, the Masonry Subcontractor is responsible for notifying the Construction Manager in writing of and errors or omissions by the Concrete Subcontractor.
- 9. <u>Masonry Reinforcing</u> This Subcontractor shall furnish and install all reinforcing (vertical & horizontal) required by the contract documents for the masonry scope of work.
- 10. Accessories Subcontractor shall furnish and install all accessories required for the masonry work including, but not limited to in wall reinforcing material, anchors, masonry wall ties, rigid and lose insulation, flashing, masonry lintels, grout, and control joint fillers. This Subcontractor is responsible for buttering with caulk all fasteners penetrating waterproofing as well as patching any air vapor barriers.
- 11. <u>Expansion Joints</u> This Subcontractor will provide and install all expansion joints and control joints and are required to occur within this scope of work. This shall include all related filler material and joint sealants.
- 12. <u>Materials</u>—This Subcontractor shall clean and protect all masonry cladding before installation and per the Specifications. Also, provide in-progress cleaning and final cleaning per the Contract Documents. Stockpiling and storage of material on site will be prohibited.

- 13. Openings & Block outs This Subcontractor shall coordinate and provide any openings in masonry partitions required by other trades including all precast concrete header, lintel blocks, lintels or sills as necessary. Subcontractor shall coordinate with the Mechanical and Electrical Subcontractors for pipes, conduits, and other related items embedded in or concealed in masonry walls and shall be responsible for all costs of remedial work of walls constructed without such provisions due to lack of coordination by this Subcontractor. Subcontractor shall install architectural, structural and mechanical items as furnished by others that are required to be embedded in the masonry walls. This Subcontractor is responsible for removing all cable rails placed by the concrete subcontractor and safing the openings in order to install unit masonry as required.
- 14. 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.
- 15. <u>Sawcutting</u> The Subcontractor shall wet saw-cut all blocks requiring cuts and shall not break blocks for irregular pieces.
- 16. 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.
- 17. <u>Door frame Installation</u> Hollow metal door frames in masonry walls will be set and grouted by this Subcontractor. This Subcontractor will lay-out the frame locations and shall take all necessary precautions to assure that the frames remain true, plumb, and square during the construction of the masonry work. This Subcontractor shall fill all frames with grout as required by the Contract Documents.
- 18. 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.
- 19. Quality of Work This Subcontract specifically includes but is not limited to furnish and installing the masonry walls including grout fill, bond beams, joint reinforcing, and the installation of loose steel lintels and all in wall reinforcing steel. Subcontractor shall install all masonry, plumb, coursed, and rated as required.
- 20. <u>Craftsmanship</u> Subcontractor understands that the exposed elements of the work performed under this Trade Contract are an integral part of the finished product and will install all such items in a manner clearly indicative of the best trade practices possible. Any items installed in a manner not representing the best workmanship possible shall be reworked until they meet with the approval of the Construction Manager.
- 21. <u>Protection</u> 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.
- 22. Mockup This Subcontractor has included in this bid all necessary CMU backup, brick, and stone for the project Mockup.
- 23. <u>Sand Mix</u> 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.

- 24. <u>Cold or Hot Weather Considerations</u> This Subcontractor shall provide any requirements and provisions to accommodate hot or cold weather placement of the CMU & brick per the Specifications.
- 25. <u>Hoisting & Scaffolding</u> 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.
- 26. Bracing This Subcontractor shall be responsible for all bracing of walls, that may be necessary to prevent damage to same during the construction period, and for the replacement or rebuilding of any walls not so braced. This Subcontractor shall not install unbraced walls higher than allowed by all applicable codes without bringing this to the attention of the Construction Manager in writing and shall only proceed further upon the written directive of the Construction Manager. Any damage or extra costs incurred from the construction of such work not brought to the specific attention of the Construction Manager shall be the responsibility of this Subcontractor.
- 27. <u>Traffic Control</u> 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.
- 28. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail. The CMU for the elevator shaft is on the critical path. For this activity, this subcontractor shall work overtime to expedite this activity. (50hr work week minimum.)
- 29. Appropriate Common Requirements:
 - Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
 - Permits and inspections this Subcontractor will provide for all permits and inspections as required to
 complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any
 permit requirements that may be beyond this Subcontractor's ability to acquire.
 - Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 28. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - Add Alternate No. 2:
 - o Install stone at terraced seat walls.
 - Add Alternate No. 4:
 - o Install L4 Lintel at Student Center opening

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 04B	B – FAÇADE RESTORATION			
Project No. <u>2511.8</u> Project No. <u>Matt Spalding</u>	ject Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> —			
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	INVITATION TO BID: CCK-2561-22			
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021			
PROCUREMENT	TRADE CONTRACT DESCRIPTION:			
RM. 322 SERVICE BUILDING	Façade Restoration			
411 SOUTH LIMESTONE	TRADE CONTRACT NO.: 04B			
LEXINGTON, KY 40506-0005	TIME: 3 <u>: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 rece	eipt 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 B	Υ		TITLE
PRINT NA	ME		FIRM
ADDRESS	<u> </u>		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 <u>CCK-2561-22</u> 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	R THE LUMP SUM OF			
		(USE \	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID .	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reade	ers		
FOR	R THE LUMP SUM OF	(USE \	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

Add A	Alternate No. 2: Terrac	ed Seat	:Wall		
FOR	THE LUMP SUM OF				
			(USE	WORDS)	
	(USE WORDS)		DOLLARS AND _	(LIET WORDS)	CENTS.
				(USE WORDS)	
(\$	(USE FIGURES)	_)			
Add A	Alternate No. 3: Wood	Flooring)		
FOR	THE LUMP SUM OF				
			(USE	WORDS)	
	(USE WORDS)		DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)	_)			
Add A	Alternate No. 4: Pedest	trian Wa	alkway and Gatton St	tudent Center	
FOR	THE LUMP SUM OF				
			•	WORDS)	
	(USE WORDS)		DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)	_)			
Add A	Alternate No. 5: Flat Se	eam Co _l	oper Roof		
FOR	THE LUMP SUM OF				
			(USE	WORDS)	
	(USE WORDS)		_DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)	_)			

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	(80)	Disadvantaged Woman-Owned Large Business
(04)	_Disadvantaged Large Business	(09)	_Other
(05)	Woman-Owned Small Rusiness		

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)
- 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
Façade Cleaning	SF	\$
Repointing	SF	\$
L2 Lintel Install	EA	\$
Exterior Brick Patching (Per Brick)	EA	\$
Interior Brick Patching (3 Wythe Brick)	SF	\$

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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		
SUPE	RINTENDENT		
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.		
List th	e Superintendent's Name		
Revised	3/22/06		

TRADE CONTRACT - 04B - FAÇADE RESTORATION

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 – Façade Restoration

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:

Masonry & Stone as specified in contract documents

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u>

<u>Contract Documents</u> 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 concrete unit masonry in full compliance with the Contract Documents. This Subcontractor shall install the following items furnished and delivered by others: All L2 steel lintels at new and existing masonry openings within the existing building; Recessed mounted Knox box
- 2. <u>PlanGrid License</u> 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. <u>Façade Restoration</u> This Subcontractor shall furnish and install all necessary materials for a comprehensive façade restoration in strict compliance with the contract documents. This shall include but not be limited to:
 - Repoint 10% of existing brick/stone façade
 - Clean all existing brick/stone façade
 - Repoint existing stone stairs per A531
 - Repoint stoops per A532
 - Remove fire escape anchors and install and repoint brick and install and repoint brick where anchors are already removed. (AD204 Note 3 & Note 4) This is above-and-beyond the 10% repointing allowance.
 - Patch and repair holes in limestone and remove stair bracket from limestone. (AD204 Note 5 & Note 6)
 - Patch limestone where existing stair railing has been removed. (AD201 Note 1)
 - Install the new recessed Knox box within the existing masonry façade.
 - Furnish and install all materials required at the masonry infill for the new door openings at Stair B. Façade material to match existing adjacent material. (A222 Detail A3; A602 Detail C4) Lintels provided by others and installed by this subcontractor.
 - Replace damaged bricks, assume approximately 200 bricks to match existing. (A201 A204 General Note B)
 - Investigate all existing steel lintels and notify the construction manager of which lintels require replacement.

- Repair upper and mid-level metal cornice where significant damage or corrosion has occurred. Replace areas in kind, assume 25%. (A201 A204 General Note H)
- Repoint Kentucky Limestone base, assume 10% (A201 A204 General Note I)
- Repoint all headers and sills at Indiana Limestone. (A201 A204 General Note J)
- Provide and install brick infill noted on A211. This is above-and-beyond the 200 replacement brick.
- Provide and install mortal infill below limestone cheek walls and limestone base at NW building entrance (A531).
- Strike vertical and horizontal at limestone threshold. Install mesh weep and repoint mortar joints. NW and SW entries (A531 & A532 Note 6).
- Patch damaged sections of limestone stairs (A531 & A532).
- Replace concrete trim at door entry, replace in kind (A532 Note 3).
- This subcontractor shall supply and install all materials required at the masonry infill for the stone window infill (A607 Detail A1) This shall include but not be limited to all: Concrete masonry units, stone veneer, cut stone sill.
- 4. <u>Historic Interior Masonry</u> This Subcontractor shall furnish and install all necessary materials to complete all scope related to the patching and repair of the historic interior masonry in strict compliance with the contract documents. This shall include but not be limited to:
- Repoint 10% or interior brick. (A611 General Note B)
- Clean all existing brick (interior)
- Install L2 lintels at new and existing masonry openings inside of existing building
- Patching of all trenches in masonry where electrical contractor is required to conceal new conduits in existing walls.
- Removal of all existing anchors and patching of holes at all existing interior masonry walls to remain.
- Patching of holes and penetrations left from the demolition of the existing Stair A. This shall include anchor holes from the handrails and holes from structural anchors from the stair itself.
- There is an existing masonry shaft at the basement and third floor that was damaged during the Phase 1 demolition that requires patching. This will require patching approximately 20sf of brick.
- Patching of existing penetrations through masonry walls that are not re-used for the new MEP trades. Bidders should walk the site and review the extent of existing penetrations.
- 5. Patching & Repair This subcontractor shall provide an allowance of \$5,000 for façade patching and repair 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.
- 6. 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.
- 7. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a

detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

8. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety
 requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will
 adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner
 personnel.
- 9. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 05A – STRUCTURAL & MISC. STEEL		
Project No. <u>2511.8</u> Pro Purchasing Officer: <u>Matt Spalding</u>	oject Title: RENEW/MODERNIZE FRAZEE HALL	
	al shall be followed exactly in submitting a ost, an additional copy will be furnished upon Contract Documents.	
This Proposal is submitted by:		
Date:	(NAME AND ADDRESS OF BIDDER)	
Telephone:		
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22	
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021	
PROCUREMENT	TRADE CONTRACT DESCRIPTION:	
RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	Structural & Misc. Steel TRADE CONTRACT NO.: 05A	
LEXINGTON, KY 40506-0005		
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 rec	eipt of the following Addenda:	
ADDENDUM NO	DATED	
ADDENDUM NO	DATED	
ADDENDUM NO	DATED	
(Insert the number and date of any Acissued and received, the word NONE	ddenda issued and received. If none has been 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 E	BY		TITLE
PRINT NA	ME		FIRM
ADDRESS	3		PHONE (<u>)</u>
			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 _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID A	ALTERNATES			
Add	Alternate No. 1: Card Reade	ers		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)	<u> </u>	(USE WORDS)	
(\$	(USE FIGURES)			
Add	Alternate No. 3: Wood Floor	ing		
FOF	R THE LUMP SUM OF			
1 01	(THE LOW! GOW! OF	(USE	WORDS)	
		DOLLARS AND		CENTS
	(USE WORDS)		(USE WORDS)	OENTO.
(\$	(USE FIGURES)			
	Alternate No. 4: Pedestrian	Malkway and Gatton S	tudent Center	
Auu	Alternate No. 4.	Walkway and Gallon S	tudent Center	
FOF	R THE LUMP SUM OF	(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam 0	Copper Roof		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)		·	

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
. ,	Disadvantaged Small Business	(80)	_Disadvantaged Woman-Owned Large Business
· /	Disadvantaged Large Business	(09)	_Other
(05)	Woman-Owned Small Rusiness		

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)
- 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
LABORER	HR	
RIGGER/ERECTOR	HR	
INSTALLER	HR	
FOREMAN	HR	
METAL DECK	SF	
Stair A & B RAILING	LF	
DECK CLEANING	SF	
L2 Lintel	LF	

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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		
SUPER	RINTENDENT		
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.		
List the	Superintendent's Name		
Revised 3	/22/06		

TRADE CONTRACT - 05A - STRUCTURAL & MISC. STEEL

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 05A – Structural & Misc. Steel

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:

Structural and misc. steel as specified in contract documents

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

- 1. Scope of Work It is the intent for this project that the Subcontractor performs all the work as scoped herein and as specified in the Project Manual and Contract Drawings. The technique used to install the steel will be the responsibility of the contractor. The techniques established shall allow for all requirements set forth in the Contract Documents. The Subcontractor will furnish all supervision, labor, material, rigging, equipment, tools, appliances, scaffolding, shoring, warrantees, guarantees, Professional Engineer stamps & calculations, and everything necessary for all structural steel and related materials in full compliance with the Contract Documents. This Subcontractor shall include the design, engineering, and install of the tie off points, both embedded and welded on.
- 2. <u>PlanGrid License</u> 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. <u>Structural Steel</u> The Subcontractor shall detail, fabricate, furnish and install all structural steel as indicated on the Contract Documents. This shall include, but not be limited to, the following:
 - Columns; beams; vertical, horizontal, and diagonal bracing.
 - All metal decking
 - All handrail and wall rails for stairs
 - All pan filled stairs
 - All canopy and cantilevered steel
 - All sheer studs on metal decking
 - All bent plate, edge and corner angles
 - All anchor bolts
 - Elevator hoist way steel.

The existing building steel support modification, W14x30 and tube columns, for existing building will be by others. See 01B for clarifications about what is included.

4. <u>Miscellaneous Metals</u> – The Subcontractor shall be responsible for all of the miscellaneous steel in the Contract Documents. This includes steel shown on both the Architectural and Structural Drawings (ie. All steel shown but not dimensioned). The Subcontractor will provide an itemized list of pieces by size, sheet, and detail

number. The Subcontractor will provide all necessary accessory materials for metal decking indicated on Contract Documents. The Subcontractor shall furnish and install, unless specifically noted, all miscellaneous metals including but not limited to:

- Steel ladders and grates
- Support steel, embeds (furnish only), angles
- Roof curb support steel; curbs by others
- Shelf angles, sill angles, and grate support angles
- Concrete stair hand rails
- All interior and exterior curtain wall, window, and storefront support angles and tube steel
- 5. Miscellaneous Scope The following scope items shall be included in this scope:
 - Provide all shop drawings and detailing for steel scope.
 - Provide all anchor bolts, base plate templates, embeds and lintels to be installed by others. Verify layout of anchor bolts and embeds which are required for connection with structural steel.
 - Provide and install all AESS as called out on Architectural drawings. Ex: A208
 - Provide and install all metal decking per structural drawings. Provide and install Nelson studs on metal deck if required.
 - Provide and install all bent plate or angle for elevated deck pour stop.
 - Provide and install all support steel for slab and roof openings including roof hatches and MEP penetrations.
 - Provide and install all support steel shown for curtain wall anchorage.
 - Provide and install all steel for stairs and railings to include but not limited to all stringers, landings, riders, pans, steel rods at open risers, railings handrail brackets, bottom rail, top rail, posts.
 - Provide and install all miscellaneous steel for elevator pit including ladder and sump grading. Provide shaft embeds to be installed by 04A. This subcontractor shall provide and install the hoist beam for the elevator shaft. Beam size and location to be coordinated with 14A. (S204 - Note 3)
 - Provide and install all miscellaneous steel for gang restroom sink carriers.
 - Provide temporary steel cable fall protection around perimeter of each floor and around openings. Provide temporary posts and cable railings at stairs so that stairs can be used during construction.
 - The structural steel contractor shall hire a licensed surveyor to field measure existing floor elevations and incorporate field verified dimensions into steel shop drawings so that new finished floors can align with existing. (S200 S205 Existing Structure Reference and Building Layout Notes.)
 - Provide anchor bolts and base plates for stairs (S200 Note 10)
 - Provide and install steel support for floor expansion joint cover (A526 Note 3)
 - Provide and install steel grating at pit for steam inside mechanical room. Provide metal angle around perimeter of pit to support grating. (S305 Detail E)
- 6. 100% Tie-Off This Subcontractor will be 100% tied-off throughout the duration of the steel erection.
- 7. Embedded Materials It is the responsibility of this Subcontractor to coordinate with other Subcontractors the delivery and exchange of all embedded items for this project. With regards to column anchor bolts, this Subcontractor will provide all necessary anchors and layouts for the Concrete Subcontractor to install.
- 8. <u>Field Dimensions</u> The Subcontractor shall be responsible for verifying field dimensions as required for this scope of work. This includes field measurements of existing conditions and anchor bolt placement prior to commencement of work.
- 9. <u>Erection</u> The Subcontractor shall be responsible for all erection and anything needed to safely and properly erect all materials. This includes, but is not limited to, all welding, bolts, studs, shims, plates, etc. necessary to erect a complete system. This Subcontractor will be responsible for a plumb and properly aligned the steel in accordance with the Contract Documents, including all necessary demolition and temporary shoring.
- 10. <u>Deck Cleaning</u> This Subcontractor will clean all decking after installation before turn over to the following sub.

- 11. <u>Materials</u>—This Subcontractor shall provide and install any and all necessary alignment items (shims, leveling plates, double nutting, etc.) to perform and complete this scope of work.
- 12. <u>Additional Task Lighting</u> Any task lighting required to ensure adequate working conditions is the responsibility of this Subcontractor. This includes light stands, lights, power cords, generator, and any other equipment to operate the lights.
- 13. <u>Verification of Anchor Bolt / Embed Locations</u> This Subcontractor shall be responsible for field verification of the locations for all anchor bolts and embeds necessary for the completion of work. Any minor modifications, i.e., slotted holes, necessary to complete the steel erection shall be performed at no additional cost to the Construction Manager. All costs associated with installing embeds after concrete pours that are a result of failure to coordinate with the Concrete Subcontractor shall be the responsibility of this Subcontractor. All modifications to the designed layout shall be reviewed and approved by the structural engineer.
- 14. <u>Touch-Up Painting</u> This Subcontractor shall supply and apply all paint required for touch-up painting of all structural steel, miscellaneous steel and metal deck.
- 15. <u>Primer</u> This Subcontractor shall be responsible for coordination with the fireproofing subcontractor to insure the primer used on all fireproofed structural members is compatible with the fireproofing material. Primer must also be applied to exposed areas of embeds. Do not paint surfaces to be welded or connected with high-strength bolts in slip critical connections.
- 16. Welding All weld connections should comply with the Contract Documents for procedures, appearances and quality of welds, and methods used in correcting welding work. See the General Notes in the Contract Drawings for further requirements. Should this Subcontractors work delay all extensions of tower crane infrastructure and use will be paid for by this Subcontractor.
- 17. Crane This Subcontractor is responsible for furnishing and utilizing a crane that is capable of completing all work specified in contract documents. This subcontractor shall include the operation of the crane and all hoisting and rigging for structural and miscellaneous steel. The 31A subcontractor is responsible for providing a stone site road and staging area for the crane. Coordinate with 31A for locations. Any supplemental crane mats dunnage or other items for cranes setup will be the responsibility of this subcontractor.
- 18. Fire Watch This Subcontractor will provide a dedicated fire watch during all welding activities.
- 19. <u>Inspections</u> This Subcontractor shall be responsible for all inspections required by this scope of work. All cost associated with failed tests shall be the responsibility of this Subcontractor.
- 20. <u>Remedial Work</u> Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable steel not installed within acceptable tolerances.
- 21. <u>Penetrations</u> This Subcontractor will provide all the penetration support steel per the typical details for all misc. plumbing, mech, and electrical penetrations.
- 22. <u>Traffic Control</u> 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.
- 23. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall

show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail. All activities performed by this subcontractor are considered critical and durations are not flexible. This subcontractor shall bid these specific activities as 50-hour work weeks (at a minimum) in order to expedite and keep these activities on track.

24. Appropriate Common Requirements:

- a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 25. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - Alternate No. 4:
 - Bridge Steel Trusses, columns, beams, decking (This subcontractor will need to look at the sizing of steel trusses and may need to provide splicing details in order pick and set these pieces. This subcontractor shall providing supplemental supporting/shoring of trusses during erection.)
 - o Floor Mounted Handrail

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 06A – Architectural Woodworking		
	ect Title: <u>RENEW/MODERNIZE FRAZEE HALL</u>	
	I shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.	
This Proposal is submitted by: Date:	(NAME AND ADDRESS OF BIDDER)	
Telephone:		
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22	
CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING	BID OPENING DATES: August 17, 2021 TRADE CONTRACT DESCRIPTION: Architectural Woodworking	
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: 06A TIME: 3:00 P.M. E.D.T.	
having carefully examined the site of th Documents as defined in Article I of the Specifications affecting the work as pre furnish all labor, materials, supplies and	epared by the Consultant, hereby proposes to d services required to construct the Project in nts, within the time set forth therein, and at the	
The Bidder hereby acknowledges recei	ipt of the following Addenda:	
ADDENDUM NO	DATED	
ADDENDUM NO	DATED	
ADDENDUM NO	DATED	
(Insert the number and date of any Addissued and received, the word NONE s	denda issued and received. If none has been hould 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 NAM	E		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 <u>CCK-2561-22</u> 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	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID A	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reade	ers		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)	<u> </u>	(USE WORDS)	
	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floor	ring		
FOR	R THE LUMP SUM OF			
1 01	THE LOWI SOW OF	(USE	WORDS)	
		DOLLARS AND		CENTS
	(USE WORDS)		(USE WORDS)	OENTO.
(\$	(USE FIGURES)			
	Alternate No. 4: Pedestrian	Walkway and Gatton S	tudent Center	
			tudent Center	
FOR	R THE LUMP SUM OF	(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam	Copper Roof		
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
/Φ	,		,	
(\$	(USE FIGURES)			

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 Rusiness	

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)
- 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
Base Cabinet	LF	
Wall Cabinet	LF	
Solid Surface Countertop	SF	
Carpenter	HR	
Apprentice	HR	
Foreman	HR	
·		

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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		
SUPE	RINTENDENT		
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.		
List the	e Superintendent's Name		

Revised 3/22/06

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 <u>complete</u> <u>Contract Documents</u> as they pertain to this Unit of Work.

- 1. Scope of Work It is the intent for this project that the Millwork & Wood Paneling 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. Specific Scope This includes but is not limited to interior millwork, countertops, restroom counter tops, supports, architectural woodwork furring, blocking, shims, any required misc. steel supports, and hanging strips for installing woodwork and millwork items unless concealed within other construction before woodwork installation. Wood base, wood molding, shoe mold, wood screen wall, interior paneling & trim, window trims, mill work cabinets, lavatory tops, display niches, wood walls, wood benches, wall trim, wood handrail, exposed wood blocking, varnishes, clear wood finishes, staining, solid surfaces, plastic laminate work, shop drawings, and wood blocking drawings are all supplied and installed by this Subcontractor.
- 3. <u>Miscellaneous Woodworking Scope</u> This subcontractor shall provide and install all woodworking 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, 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 and sinks.
 - Provide joint sealants where millwork, countertops and backsplash meet the wall.
 - Provide all hardware for millwork.
 - Provide and install all flush mount blocking and cleats for mounting millwork. (In-wall blocking by others)
 - Provide and install all hardware for millwork.
 - Provide and install new wood base.
 - Repair and install existing wood trim, picture molding, crown molding per the contract documents.
 - This subcontractor shall provide and install millwork shelf infill (A630 Detail D10).
 - This subcontractor shall provide and install all millwork for infill bench. This shall include the bench seat and the fabric back(A630 Detail D7).
 - Repair existing wood soffits as needed (A201 A204 Note G).
 - Repair/replace window framing as necessary at window type H (A201).

- Provide and install Solid Surface Window Stool (A225 Detail A5).
- Provide and install wood slats adjacent to Stair A (A302 Notes 1 & 2).
- Provide and install wood stair treads and wood handrails at new stair. Items should be pre-finished before arriving to site and be protected until turn-over.
- Provide repair at exterior wood soffits as needed after paint is removed by painter. (A401 Note 2).
- Provide interior architectural woodwork restoration as required by the contract documents.
- This subcontractor shall provide and install historical wood trim at new doorways as required by the contract documents.
- This subcontractor shall install salvaged trim after it has been refinished by 09C subcontractor.
- Any wood trim which is shown to be removed and refinished shall be removed by this subcontractor and be inventoried and turned-over to the painting and refinishing subcontractor. This subcontractor shall reinstall wood trim as required by the contract documents. (Example: Window casing (A605 & A 606 General Note C). This subcontractor shall repair wood window sills as required by the contract documents (A606 064023.SR).
- This subcontractor shall provide new wood window casings as indicated on the contract documents.
- This subcontractor shall provide the stained solid wood transition block at wall transitions between plaster and exposed brick. Coordinate at plaster edge with 09A.
- 4. <u>Renovation of Historic Wood</u> The scope of this project is a historic renovation, and a requirement is to restore all historic wood trims throughout the interior and one the exterior of the building. This subcontractor shall be responsible for all woodwork restorations in strict compliance with the contract documents.
- 5. <u>PlanGrid License</u> 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.
- 6. <u>Plastic Laminate Work</u> This Subcontractor shall furnish and install all base cabinets, wall cabinets, wall shelving, lockers (including all hardware) counter tops, closet and utility shelving, desktops, and any other millwork associated with architectural woodwork.
- 7. Solid Wood Surfaces This Subcontractor shall furnish and install interior and standing running trim, interior frames and jambs, flush wood panels, interior ornamental work, wood cabinets, partial projected speaker enclosures, millwork doors, shop finishes for interior woodwork and any other custom finish carpentry as shown in the contract documents.
- 8. <u>Solid Stone Surfaces</u> This Subcontractor shall furnish and install all solid surface sills, table & counter tops, tables, bathroom sinks with integral trough drain, and any other item depicted in the contract documents as solid surface.
- 9. <u>Medium Density Fiberboard (MDF)</u> The Subcontractor shall furnish and install all MDF shown throughout details, and in all recessed locations for equipment which is N.I.C.
- 10. <u>Blocking</u> 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.
- 11. Exposed Blocking This Subcontractor shall be responsible for all exposed blocking associated with this scope of work
- 12. <u>Caulking</u> 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.

- 13. <u>Fabric & Padding</u> 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.
- 14. <u>Adjusting & Cleaning</u> 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.
- 15. <u>Temporary Protection</u> This Subcontractor has included temp protection, in the form of "Ram Board", or approved equal by the Construction Manager, type plastic or other water resistant covering, approved by the Construction Manager, for all counter tops, wall panels, and millwork. This temp protection will be installed as installation progresses and as agreed to with the Construction Manager. Temp protection will be removed by others.
- 16. <u>Coordination</u> 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.
- 17. <u>Field Measurements</u> 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.
- 18. <u>Additional Task Lighting</u> 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.
- 19. <u>Items installed in millwork</u> 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.
- 20. <u>Damaged Products</u> 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.
- 21. <u>Installed Floors Protection</u> 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.
- 22. <u>Craftsmanship</u> Subcontractor understands that the exposed elements of the work performed under this Subcontract are an integral part of the finished product and will install all such items in a manner clearly indicative of the best trade practices possible. Any items installed in a manner not representing the best workmanship possible shall be reworked until they meet with the approval of the Construction Manager, Owner, or Design Team.
- 23. <u>Traffic Control</u> 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.

24. Overtime Work — This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

25. Appropriate Common Requirements:

- a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager.
- b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 24. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - Add Alternate No. 4:
 - o The wood handrail that is floor mounted in the pedestrian walkway is part of this alternative.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 07A – ROOFING			
Project No. <u>2511.8</u> Purchasing Officer: <u>Matt Spalding</u>	Project Title: <u>Renew/Modernize Frazee Hall</u>		
	shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.		
This Proposal is submitted by: Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22		
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021		
PROCUREMENT	TRADE CONTRACT DESCRIPTION:		
RM. 322 SERVICE BUILDING	Roofing		
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: 07A TIME: 3:00 P.M. E.D.T.		
EEXINGTON, KT 40300-0003	TIME. 3.00 F.IM. L.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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 NA	ME		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 <u>CCK-2561-22</u> 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)			
	ALTERNATES Alternate No. 1: Card Reader	rs		
	THE LUMP SUM OF		WORDS)	
(\$	(USE WORDS) (USE FIGURES)	_ DOLLARS AND _	•	CENTS.

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
	(USE WORDS)	_	(USE WORDS)	
(\$	(USE FIGURES)			
•	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floor	ing		
FOR	R THE LUMP SUM OF			
1 01		(USE	WORDS)	
		DOLLARS AND		CENTS
	(USE WORDS)		(USE WORDS)	
(\$)			
(+	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian	Walkway and Gatton S	tudent Center	
	R THE LUMP SUM OF			
ı Oiv	THE LOWF SOW OF	(USE	WORDS)	
		DOLLARS AND		CENTS
	(USE WORDS)		(USE WORDS)	OEIVIO.
(Ψ	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam C	Copper Roof		
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)	_	(USE WORDS)	_
(\$)			
	(USE FIGURES)			

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	(80)	_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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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
ALUMINUM COPING	LF	\$
RIGID INSULATION (includes all rigid boards, slip sheets, etc.)	SF	\$
MEMBRANE ROOFING	SF	\$
SLATE SHINGLE ROOFING	SF	\$
FLAT LOCK COPPER ROOF	SF	\$
FLASHING	LF	\$
BLOCKING	LF	\$
PATCHING	SF	\$
FOREMAN	HR	\$
INSTALLER	HR	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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		
SUPE	RINTENDENT		
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.		
List th	e Superintendent's Name		
Revised	3/22/06		

TRADE CONTRACT - 07A - ROOFING

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 07A –Roofing

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:

Membrane roofing, Slate shingle roofing, Flat-lock copper roofing, Sheet Metal Flashing and Trim, Roof Specialties, and Roof Accessories as specified in contract documents.

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

- 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. <u>Plangrid License</u> Include all 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. <u>Membrane Roofing</u> This subcontractor shall provide and install all materials and accessories related to the membrane roofing system. This shall include but not be limited to all roof sheathing, insulation, screws, adhesives, membranes, flashings, coping, blocking, etc. for a complete and turnkey installation.
- 4. <u>Slate Shingle Roofing</u> This subcontractor shall provide and install all materials and accessories related to the slate shingle roofing. This shall include but not be limited to: new underlayment, copper flashing, roof membrane, shingles, sheet metal flashing, nailer, etc. for a complete and turnkey installation.
- 5. <u>Flat-lock Seam Roofing</u> Install new flat lock seam roofing at Frazee Hall roof as required by the contract documents (A105)
- 6. Miscellaneous Scope This subcontractor shall be responsible for the miscellaneous scope items related to roofing to include the following:
 - Remove existing roofing (AD 105 Note 1).
 - Patch/Repair existing sheathing (AD105 Note 1; A105 Note 1).
 - Provide temporary weatherproofing for roofing.

- Install roof hatches and associated ship/folding ladders for new access to roof. This subcontractor shall also provide and install safety rails around the roof hatches as required by the contract documents. (S204 Note 8; A104; A105).
- Remove downspouts and provide temporary drainage (AD202 Note 3, AD203 & AD204 Note 1;).
- Install caps and provide flashing for vents.
- Provide permanent tie-off points at Stair A, Stair B, and Frazee Hall roof. Tie-off points shall be engineered and certified. (A105 Note 4).
- This subcontractor shall be responsible for cleaning existing copper gutters, applying a self-adhering membrane and install oversized drops through the integral soffit at the downspouts. Install new copper liner with normal drops to the ground level. (A105 Note 2).
- Remove and salvage copper at top of cornice and at roof level (AD102 Note 4; AD104 Note 3; AD105 Note 3; AD201 & AD 202 Note 7; AD203 Note 3; AD204 Note 8).
- Remove existing roof hatch and patch and repair sheathing. (AD105 Note 2).
- Provide and install new copper downspouts and gutters at Frazee Hall roof as required by the contract documents (A105 077123).
- Provide and install downspouts and gutters at new addition locations as required by the contract documents (A105 077123).
- This subcontractor shall provide and install all blocking and plywood at the existing flat roof to increase the roof height as required by the contract documents. (A105 Note 3).
- This subcontractor shall provide and install all sheet metal roofing (A514 Note 3).
- This subcontractor shall provide galvanized sheet metal angle to support roofing (A512 Detail H9).
- This subcontractor shall provide and install cover flashing over parapet expansion joints (A524 Details E10 & H10.
- All blocking on top of roof sheathing and on top of parapets shall be the responsibility of this subcontractor. This shall include blocking for the roof hatches as shown on (A534 Detail A10).
- 7. <u>Tie-off</u> This subcontractor shall tie-off 100% of the time while performing this scope of work.
- 8. Prepare substrate surface according to the roofing manufacturer's written instructions. A representative from this subcontractor will be required to be present to verify, examine, and document substrate conditions prior to roof installation.
- 9. Apply and Install roof layers of membrane and tapered insulation, etc. so as to provide positive flow based on roof drains locations and elevations.
- 10. Field tests will be conducted by this subcontractor according to the applicable construction documents requirements.
- 11. This Subcontractor is responsible of conducting a proper coordination with the MEP roof activities to ensure complete installation of equipment curbs and drains prior to roofing is started.
- 12. Provide and install all flashing, cone flashing, coping, sealants, and termination details to ensure a watertight assembly of parapets, vents, dunnage, clamping ring, all pipes, roof drains, guy wires, and all other MEP penetrations for a complete roof system.
- 13. Deliver material on site in original sealed package marked with manufacturer's name or brand, and the UL label as indicated in the project specifications. This subcontractor may be required to provide a crane or a large telehandler to hoist material onto roof. The community telehandler will have a 42' reach which may not be sufficient to stock the roof. This subcontracting shall include all means and methods for hoisting.
- 14. Proceed with roof installation when forecasted weather conditions allow for a proper application according to the manufacturer's written instructions and warranty requirements. This Subcontractor will make sure, prior to finishing work on any given day, regardless of the reason, that all installed and stored materials are properly covered and protected from inclement weather as well as weighted down to keep materials from being damaged or blown by wind.

- 15. Store material in a proper condition throughout the project as per manufacturer recommendations. This Subcontractor will adhere to the requirements set forth in the Contract Documents related to storage and handling.
- 16. Comply with the quality assurance requirements including but not limited to manufacturer and installer qualification letters, licenses, certifications, safety, and accreditations.
- 17. This Subcontractor has included all blocking required for this work, including any and all coping blocking, plywood, etc.
- 18. Provide and install roof hatch with a safety railing system and ladder assist post from the suppliers that complies with the project specifications.
- 19. This Subcontractor will provide and install a complete roof coping system at the building parapets, in accordance with the Contract Documents. This includes but is not limited to: all required sealants, metal coping, flashing, expansion and control joints, cover pieces, end dams and corner pieces, fasteners, clips, cleats, accessories, etc. for a complete water tight system.
- 20. Provide a sample warranty letter covering the full assembly for material and workmanship of the roof system including but not limited to painted finishes and accessories, sheet metal flashing and trim etc., for an extended period of years warranty as designated in the specification for the different roofing system components, starting from the date of substantial completion.
- 21. Out of Sequence Work This Subcontractor agrees and understands that some work may be required to be performed out of sequence in order to facilitate the construction schedule. This Subcontractor has included multiple crews and multiple mobilizations for this work.
- 22. This subcontractor is responsible to daily cover and/or barricade any roof openings, or fall hazards created by this scope of work.
- 23. Clean roof surfaces properly after installation and before the final completion of the project. Remove all stickers on the aluminum metal coping surfaces. Include the cost of remobilization for final cleaning.
- 24. Quality Control This Subcontractor shall respond both in regards to corrective action and with written notification to the Construction Manager of Quality Control Reports that are noted as being deficient. Corrective action and written notification is required within 48 hours of issuance of the deficient Quality Control Report, unless the deficiency requires a more rapid response which would make the needed corrections to be made within 24 hours of issuance of the report. Issued QC Reports will show the required time to correct any deficiencies. Any delays and cost caused to other Subcontractors who are directly associated to a lack of response to a deficient QC Report by this Subcontractor will be the responsibility of this Subcontractor. If no response is given, payment may be withheld until corrections are made.
- 25. <u>Protection of Materials</u> This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
- 26. Remedial Work This Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable work not installed within acceptable tolerances as described in the specifications. This work includes but is not limited to all removal and replacement as required to remedy all deficiencies as a result of this Subcontractor's work. The Subcontractor shall also be responsible for any damages prior to inspection and acceptance by the Construction Manager, Engineers, and Owner.
- 27. <u>Traffic Control</u> 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.

28. Overtime Work — This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail. All activities related to roofing are critical for building dry-in and dates and durations are not flexible. This subcontractor shall bid these specific activities as 50-hour work weeks (at a minimum) in order to expedite and keep these activities on track.

29. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager.
- Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety
 requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will
 adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner
 personnel.
- 30. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
- Add Alternate No. 4:
 - Install roof pedestrian walk way (A103) including bitumen flashing, overlay board, insulation, deck sheathing (A537 – Detail F5)
 - Patch/Repair Student Center Roof over new work (vents)
- Add Alternate No. 5
 - Provide and install flat-seam copper roofing on Frazee Hall at the flat portion of the existing roof
 in lieu of PVC/KEE roofing. See drawing A106.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract	07B – Waterproofing		
Project No2511.8 Project Title: RENEW/MODERNIZE FRAZEE HALL Purchasing Officer:Matt Spalding			
NOTE: The following Form of Proposal proposal for this work. If this copy is los written request to the authority issuing C	t, an additional copy will be furnished upon		
This Proposal is submitted by:			
Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22		
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021		
PROCUREMENT	TRADE CONTRACT DESCRIPTION:		
RM. 322 SERVICE BUILDING	Waterproofing TRADE CONTRACT NO 07B		
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: <u>07B</u> 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 (<u>)</u>
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.

FOF	R THE LUMP SUM OF				
		(USE WORDS)			
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				
BID .	ALTERNATES				
<u>Add</u>	Alternate No. 1: Card Reade	ers			
FOF	R THE LUMP SUM OF				
		(USE	WORDS)		
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				

Add Alternate No. 2: Terraced Seat Wall

FOR	THE LUMP SUM OF _		
		(USE WOR	OS)
		DOLLARS AND	CENTS
	(USE WORDS)	DOLLARS AND(US	E WORDS)
(\$	(USE FIGURES)		
Add A	Alternate No. 3: Wood Fl	ooring	
FOR	THE LUMP SUM OF _	(USE WOR	
		(USE WOR	OS)
		DOLLARS AND(US	CENTS.
	(USE WORDS)	(US	E WORDS)
(\$	(USE FIGURES)		
bbΔ	Δlternate No. 4 : Pedestria	an Walkway and Gatton Studen	Center
		•	Contor
FOR	THE LUMP SUM OF _	(USE WOR	OS)
		·	,
-	(USE WORDS)	DOLLARS AND(US	CENTS. E WORDS)
(\$	(USE FIGURES)		
	(USE FIGURES)		
Add A	Alternate No. 5: Flat Sea	m Copper Roof	
FOR	THE LUMP SUM OF _		
		(USE WOR	OS)
		DOLLARS AND	CENTS.
	(USE WORDS)	(US	E WORDS)
(\$	(USE FIGURES)		

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 Rusiness		

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)
- 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.

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

ITEM	UNIT	COST PER UNIT
Installer	HR	
Foreman	HR	
Below-grade WP	SF	
Air & Vapor Barrier	SF	
Expansion Joint	LF	

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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			
SUPE	RINTENDENT			
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidde required to furnish a resume of the superintendents' qualifications and or past projects.			
List th	e Superintendent's Name			
Revised	3/22/06			

TRADE CONTRACT - 07B - Waterproofing

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 07B – Waterproofing

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 Waterproofing scope of work.

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

- 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. <u>PlanGrid License</u> 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. <u>Joint Sealers/Sealants</u> This Contractor shall furnish and install all joint sealants to dissimilar materials and all necessary materials for a comprehensive installation in strict compliance with the contract documents. All provisions required for this unit of work are applicable to this work. The Subcontractor shall exclude all hardscaping sealant, and all joint sealant to similar materials. Examples of responsibility are as follows, but are not limited to:
 - Gypsum Sheathing to Adjacent
 - Concrete to Adjacent
 - Metal Panel to Adjacent
 - Window/Curtain Wall to Adjacent
 - CMU, Brick or Stone to Adjacent
 - Steel to Adjacent
- 4. <u>Below Grade Applied Waterproofing</u> This subcontractor shall install water proofing below grade at site retaining and seat walls per details on the LH series drawings. This shall include all drainage and protection board. This subcontractor shall be responsible for all applied waterproofing at elevator pits, window well retaining wall and manholes as shown on S701. This shall include all drainage and protection board. This subcontractor shall provide below grade waterproofing at

- 5. This subcontractor shall provide and install all expansion joint and expansion joint covers that are part of specification section 079200 and 079513. (See A522 A527 for majority of expansion joint details) This shall include all interior and exterior expansion joints to include but not be limited to the following:
 - Foam Seals
 - Compressions Seals
 - Floor to floor expansion joints
 - Floor to wall expansion joints
 - Wall expansion joints
 - Ceiling expansion joints
 - Foam seals between roof and existing building (A525 Detail D5 & E10)
- 6. <u>Miscellaneous Waterproofing Items</u> This subcontractor shall include the following items:
 - Crystalline waterproofing slurry
 - Bituminous damp proofing
 - Apply backer rod and joint sealant at all entry perimeter and jamb edges (A531 & A532 General Note G)
 - Provide waterproofing membrane and drainage layer at historical entries (A532)
- 7. <u>Air and Vapor Barrier</u> This Contractor shall furnish and install all Fluid-Applied Air and Vapor Barrier for a comprehensive installation in strict compliance with the contract documents on all exterior sheathing. This shall apply to all substrates behind all skin types.
- 8. This subcontractor shall provide an allowance of \$5,000 for additional waterproofing that goes above and beyond this scope of work. 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.
- 9. Mockup This Subcontractor shall furnish and install Joint Sealants as described above for the project mockup. All provisions required are applicable to this scope of work.
- 10. <u>Surface Preparation</u> This Subcontractor will provide misc. surface preparation if minor work is required to install this scope of work. In the event this Subcontractor discovers large areas of substrate that have not been prepared per specification or manufacturer's requirements, this Subcontractor will provide written notification to the Construction Manager in order for others to fix.
- 11. Weather Subcontractor shall proceed with his work only when weather conditions comply with Manufacturer's recommendations and will permit the materials to be applied in accordance with those recommendations.
- 12. <u>Watertight system</u> The complete waterproofing system is to be installed watertight. Damage to finished materials of other Subcontractors and vendors resulting from leaks in the waterproofing system shall be the responsibility and liability of this Subcontractor, including all direct and indirect costs of repair.
- 13. Metal Flashing This Subcontractor shall furnish and install stainless steel flashing as required by the contract documents.
- 14. Waterproofing Consultant This subcontractor shall hire a third-party waterproofing consultant to complete a plan review for all waterproofing details to ensure details are acceptable for watertightness. This consultant shall also conduct first work inspections of major waterproofing systems to include but not be limited to the following: below grade waterproofing, vapor and air barrier, joint sealants, expansion joints, windows, curtainwall system, etc.

- 15. <u>Traffic Control</u> 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.
- 16. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

17. Appropriate Common Requirements:

- a) Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b) Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c) O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d) Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e) Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Whiting-Turner personnel.
- 19. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - Add Alternate No. 4 Waterproofing at Pedestrian Walkway
 - o Expansion joints between walkway and existing buildings

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 07C – Metal Panel Skin				
Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>				
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:				
Date:	(NAME AND ADDRESS OF BIDDER)			
Telephone:				
TO: BID CLERK	INVITATION TO BID: <u>CCK-2561-22</u>			
UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	BID OPENING DATES: August 17, 2021 TRADE CONTRACT DESCRIPTION: Metal Panel Skin TRADE CONTRACT NO.: 07C 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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

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.

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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 <u>CCK-2561-22</u> 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				
Add Alternate No. 1: Card Reader	rs			
FOR THE LUMP SUM OF	(USE WORDS)			
(USE WORDS)	_ DOLLARS AND(USE WORDS)	CENTS.		
(\$) (USE FIGURES)				

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOF	R THE LUMP SUM OF			
		(USE	(USE WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floor	ing		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
			(USE WORDS)	
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian	Walkway and Gatton S	tudent Center	
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
			(USE WORDS)	
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam (Copper Roof		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
			(OOL WORDS)	
(\$	(USE FIGURES)			

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 Rusiness		

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.
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- (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)
- 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
MWP1	SF	\$
MWP2	SF	\$
Rigid Insulation	SF	\$
Installer	HR	\$
Foreman	HR	\$
Metal Flashing	LF	\$
Caulking	LF	\$

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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.

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ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

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			
SUPE	RINTENDENT			
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.			
List the	e Superintendent's Name			
Revised	3/22/06			

TRADE CONTRACT - 07C - Metal Panel Skin

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:

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:

Division 1 – General Requirements

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

- 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. <u>PlanGrid License</u> 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. Metal Wall Panels This subcontractor shall supply all metal wall panels and accessories as indicated on the contract documents to include but not be limited to the following:
 - Metal Wall Panel Type 1 (MWP1)
 - Metal Wall Panel Type 2 (MWP2)
 - Metal panels and metal panel soffit for canopies
 - Metal soffit panels at ground floor elevator lobby including all trim and joint sealants.
 - Metal panel trim pieces (Ex: F4/503)
 - Transition details between metal panel types
 - Girt and anchoring systems for metal panels
 - All rigid insulation behind metal panels
 - All sealants required for metal panel to metal panel joints
 - Provide and install Pre-finished aluminum sheet metal flashing (A524 Detail D7; A54 Detail F4) and set in bed of sealant
- 4. Metal Flashing This Subcontractor shall furnish and install all pre-finished aluminum flashing and trim that is directly adjacent to this scope of work. 07B will provide Stainless Steel Flashing. 08B will provide and install flashing at storefront and curtainwall heads and sills.

- 5. 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.
- 6. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

7. Appropriate Common Requirements:

- a) Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b) Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c) O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d) Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e) Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Whiting-Turner personnel.
- 8. 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - a. Add Alternate No. 4:
 - i. All metal panels for bridge/pedestrian walkway skin shall apply to this alternate
 - ii. All standing seam zinc panels on underside of bridge shall apply to this alternate
 - iii. Provide and install all decorative formed metal beam and column covers as required by the contract documents (A504 Detail F9)

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 07D – Fireproofing				
Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>				
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: Date:	(NAME AND ADDRESS OF BIDDER)			
Telephone:				
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22			
CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	BID OPENING DATES: August 17, 2021 TRADE CONTRACT DESCRIPTION: Fireproofing TRADE CONTRACT NO.: 07D TIME: 3:00 P.M. E.D.T.			
LEXINGTON, KY 40506-0005 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No.
 <u>CCK-2561-22</u> 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 (<u>)</u>
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	R THE LUMP SUM OF			
			WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID .	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reade	ers		
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

Add Alternate No. 2: Terraced Seat Wall

FOR	THE LUMP SUM OF			
		(USE WORD	S)	
		DOLLARS AND	CENTS.	
	(USE WORDS)	DOLLARS AND(USE	WORDS)	
(\$	(USE FIGURES)			
Add /	Alternate No. 3: Wood Floo	oring		
FOR	THE LUMP SUM OF	(USE WORD	S)	
	(USE WORDS)	DOLLARS AND(USE	CENTS. WORDS)	
(\$	(USE FIGURES)			
Add /	Alternate No. 4: Pedestriar	n Walkway and Gatton Student	Center	
	THE LUMP SUM OF			
1 010	111E EOIWI OOW OI	(USE WORD	S)	
		DOLLARS AND	CENTS	
	(USE WORDS)	DOLLARS AND(USE	WORDS)	
	(USE FIGURES)			
Add Alternate No. 5: Flat Seam Copper Roof				
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All Bidders are required to complete and submit the following information with their bid.

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

ITEM	UNIT	COST PER UNIT
Fireproofing – Low Density (includes labor, materials, &		
equipment)	BAG	
Fireproofing – High Density (includes labor, materials, &		
equipment)	BAG	
Laborer	HR	
Carpenter	HR	
Foreman / Superintendent	HR	

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List th	e Superintendent's Name		
Revised	3/22/06		

TRADE CONTRACT - 07D - SPRAY ON FIREPROOFING

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 07D – Spray on Fireproofing

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:

Spray on Fireproofing as specified in contract documents

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u>

<u>Contract Documents</u> 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 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, 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. <u>PlanGrid License</u> 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. Deliver, protect, store materials in a manner to prevent moisture infiltration, and handle all material in accordance with the Contract Documents. Include extra material where shown or required.
- 4. All applications are to be in accordance with manufacture's recommendations in order to receive full warranty from the manufacturer.
- 5. Provide appropriate testing of substrates prior to application of products.
- 6. Coordinate and provide access for all necessary testing and inspections with Whiting-Turner. Any failed inspections will result in payment of re-inspection by this subcontractor.
- 7. Subcontractor shall clean and prep all surfaces to ensure proper adhesion. Notify WT of any condition that will detrimentally affect this work at least two (2) weeks prior to installation. Commencement of this work shall constitute acceptance of such conditions by this subcontractor.
- 8. This Subcontractor will provide fire ratings per the contract documents. This includes but is not limited to the fireproofing of structural steel and bracing as shown on the plans and the underside of the metal deck where required.

- 9. Furnish and install sprayed fireproofing per the contract documents and thicknesses as required meeting applicable codes and fire ratings.
- 10. Provide fireproofing on gusset plates as required by applicable codes, fire ratings, and governing authorities.
- 11. Fireproofing underside of metal decking at roof and slab depressions as required.
- 12. This Subcontractor will prime all surfaces as required by the manufacturer to accept the specified fireproofing.
- 13. In locations where columns or beams are part of a continuous rated enclosure, provide additional fireproofing thickness to achieve required rating per UL requirements.
- 14. Protect all adjacent areas and duct work, blowers, vents, conduit, piping, etc, from overspray. Coordinate activities with other trades.
- 15. Protect all pre-welds, weld plates, embeds, etc. Any unprotected items need to be cleaned off after fireproofing application.
- 16. Subcontractor has included protection and cleaning of any metal stud top tracks, clips for metal studs at interior walls, shaft walls, exterior metal framing at building skin, exterior metal framing at roof and other soffit areas.
- 17. Scrape clean and sweep floors after fireproofing activities on each floor.
- 18. Subcontractor includes spray screen/barriers at the perimeter of the building for overspray protection.
- 19. Patching of test areas as required by the testing agency.
- 20. Any rework or re-spraying of fireproofing due to insufficient thickness as determined by the special inspector is the responsibility of this subcontractor.
- 21. Water source for this contractor will be available on each floor including penthouse from a riser located on the North side of the building. This subcontractor shall provide hoses as needed to reach all areas requiring water for this scope of work.
- 22. Protection, from any overspray, on all brace frames and gussets scheduled to be painted. Clean as required any and all overspray.
- 23. Quality Control This Subcontractor shall respond both in regards to corrective action and with written notification to the Construction Manager of Quality Control Reports that are noted as being deficient. Corrective action and written notification is required within 48 hours of issuance of the deficient Quality Control Report, unless the deficiency requires a more rapid response which would make the needed corrections to be made within 24 hours of issuance of the report. Issued QC Reports will show the required time to correct any deficiencies. Any delays and cost caused to other Subcontractors who are directly associated to a lack of response to a deficient QC Report by this Subcontractor will be the responsibility of this Subcontractor. If no response is given, payment may be withheld until corrections are made.
- 24. Protection of Materials This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
- 25. Remedial Work This Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable work not installed within acceptable tolerances as described

in the specifications. This work includes but is not limited to all removal and replacement as required to remedy all deficiencies as a result of this Subcontractor's work. The Subcontractor shall also be responsible for any damages prior to inspection and acceptance by the Construction Manager, Engineers, and Owner.

- 26. 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.
- 27. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

28. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager.
- Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 29. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - a. Add Alternate No. 4 Provide price to include fireproofing at Pedestrian Bridge columns, beams and trusses.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 08A – Doors, Hardware, & Security		
Project No. <u>2511.8</u> Purchasing Officer: <u>Matt Spalding</u>	Project Title: Renew/Modernize Frazee Hall	
· · · · · · · · · · · · · · · · · · ·	shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.	
This Proposal is submitted by:		
Date:	(NAME AND ADDRESS OF BIDDER)	
Telephone:		
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22	
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021	
PROCUREMENT	TRADE CONTRACT DESCRIPTION:	
RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	Doors, Hardware, & Security TRADE CONTRACT NO.: 08A	
LEXINGTON, KY 40506-0005	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 Addissued and received, the word NONE st	enda issued and received. If none has been	

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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 (<u>)</u>
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 <u>CCK-2561-22</u> 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	FOR THE LUMP SUM OF			
		(USE \	WORDS)	
	(USE WORDS)	_ DOLLARS AND _	(USE WORDS)	_CENTS.
(\$	(USE FIGURES)			
	AL TERMATEO			
BID A	<u>ALTERNATES</u>			
Add .	Alternate No. 1: Card Readers	S		
FOR	THE LUMP SUM OF	(105)	Wanna	
		(USE)	WORDS)	
	(USE WORDS)	_ DOLLARS AND _	(USE WORDS)	_CENTS.
(\$	(USE FIGURES)			

Add /	Alternate No. 2: Terrace	ed Seat Wall		
FOR	THE LUMP SUM OF	(USE		
	_	(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES))		
	(USE FIGURES)			
	Alternate No. 3: Wood F			
FOR	THE LUMP SUM OF	(USE		
		(USE	WORDS)	
	(110-1110-11)	DOLLARS AND _	(110=1110=10)	CENTS.
			(USE WORDS)	
(\$	(USE FIGURES))		
Add A	Alternate No. 4: Pedestr	rian Walkway and Gatton S	Student Center	
FOR	THE LUMP SUM OF _			
		·	WORDS)	
	(HCE WODDS)	DOLLARS AND _	(LICE MODDS)	CENTS.
			(USE WORDS)	
(\$	(USE FIGURES))		
	(USE FIGURES)			
Add A	Alternate No. 5: Flat Sea	am Copper Roof		
FUR	THE LUMP SUM OF _	(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	OLNTO.
(\$)		
\Ψ	(USE FIGURES)	,		

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	(80)	_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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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.

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

ITEM	UNIT	COST PER UNIT
Installer	HR	\$
Foreman	HR	\$
Hollow Metal Frame	EA	\$
Wood Door (Installed)	EA	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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		
SUPER	RINTENDENT		
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this . Below, please list the superintendent your firm will employ on this project. The successful Bidde required to furnish a resume of the superintendents' qualifications and or past projects.		
List the	Superintendent's Name		
Revised 3	/22/06		

TRADE CONTRACT - 08A - 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:

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 <u>complete</u>
Contract Documents as they pertain to this Unit of Work.

- 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. <u>PlanGrid License</u> 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. <u>Specific Scope Items</u> 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 storefront and demountable partition frames).
 - Provide and install all new doors and hardware (does not include storefront and 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; A603 Detail A9)
 - Provide and install all door security including but not limited to all electrified hardware, card readers, DPS, REX, Lenel boards, enclosures, power supplies, low voltage door wiring, etc. (Does not include electrified hardware for storefront or demountable partitions. Card readers, DPS, REX, Lenel boards, power supplies and wiring for these doors are still the responsibility of this subcontractor.)
 - Complete all programming for door security.
 - Provide all cylinders with temporary construction cores for use during construction. Provide permanent cores and keys and coordinate keying with owner.

- Provide and install two sets of double doors and four single doors including frames and hardware for temporary use during construction. These shall be used at the discretion of Whiting-Turner and any unused portion should be credited back at the end of the project.
- 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 shall supply, install, program, focus and aim security cameras. Data drops for cameras will be provided by others.
- Remove existing entrance doors (1st floor plan west and plan south) and replace with new wood entrance doors. (AD201 & AD202 Note 2).
- 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. (This shall exclude auto operators, push buttons, bollards, and hardware at aluminum storefront doors.)
- Security/Access Control/Video Surveillance.
- This subcontractor shall provide and install all interior and exterior cameras and be responsible for all programming, adjusting, positioning, etc.
- Finishes for new doors and hardware to comply with the contract documents.
- This subcontractor shall provide all wiring, devices, hardware, controllers, etc. required for a complete security/access control install to include but not be limited to the following:
 - Security and door access control panels
 - Card Readers
 - o Bollards for bollard mounted card readers and push buttons
 - Panic Buttons
 - o Power Supplies
- 4. <u>Scope by Others</u> 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. <u>Blocking</u> 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. <u>Preparation</u> This Subcontractor shall properly detail, fabricate, tag, furnish, and deliver the hollow metal & wood doors and frames as detailed in the Contract Documents.
- 7. <u>Fabrication</u> 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. <u>Labeling</u> 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. <u>Astragals & Sweeps</u> This Subcontractor agrees to furnish and install all necessary astragals at doors and sweeps as required in the Contract Documents.

- 10. <u>Wood Doors</u> 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. <u>Hardware</u> 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, request for exit switches, all electrified hardware, power supplies, card readers, 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. <u>Door Glazing</u> 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. <u>Delivery</u> 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. <u>Quality Control</u> 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. <u>Transport of Doors and Hardware</u> 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. <u>Preparation</u> 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. <u>Adjusting</u> 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. Security This subcontractor shall be responsible for installing a complete security package. This includes but is not limited to the installation of door security device, wiring, from the power supply to the device, REX sets, card readers, all power supplies, electrified hardware, security cards, card enclosures, programing, wiring harnesses, wiring from the security panel and board to hardware, Lenel boards, all testing, and coordination for communication with Construction Manager and the Owner.

- 21. Storefront & Demountable Partition Doors This Subcontractor will be responsible for wiring and devicing all glass doors and 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, mag locks, eye scanners, etc. necessary for a complete and functioning door. The glass and demountable partition doors and hardware will be provided by others, but installed, wired, connected, and tested by this Subcontractor.
- 22. Wiring This Subcontractor shall be responsible for all door side security and electrified hardware wiring from the power supply to the installed equipment. This includes but not limited to card readers, door position switches, eye scanners, wall mounted card readers, and request for exit switches. This Subcontractor will provide all necessary systems, parts, or accessories necessary for a fully functioning door. This subcontractor shall also be responsible for all wiring necessary to complete a complete and turnkey security system.
- 23. 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.
- 24. <u>Damaged Products</u> 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.
- 25. <u>Final Keying</u> 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.
- 26. <u>Traffic Control</u> 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.
- 27. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

28. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager.
- Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.

- Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety
 requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will
 adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner
 personnel.
- 29. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - Add Alternate No. 1:
 - o E304 Note 8 applies to this alternate
 - o E305 Note 6 applies to this alternate
 - o E306 Note 9 applies to this alternate
 - o E307 Note 7 applies to this alternate
 - See door schedule and hardware sets for hardware alternates
 - Add Alternate No. 4:
 - Remove and protect existing doors and hardware and reinstall in Gatton Student Center (AD102 Note 7)
 - o E306 Notes 3, 4 & 10 applies to this alternate
 - o E209 Note 5 Set new security door access panel applies to this alternate

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 08B – Glass & Glazing				
Project No. <u>2511.8</u> Purchasing Officer: <u>Matt Spalding</u>	Project Title: Renew/Modernize Frazee Hall			
proposal for this work. If this copy is los	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:				
Date:	(NAME AND ADDRESS OF BIDDER)			
Telephone:				
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22			
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021			
PROCUREMENT	TRADE CONTRACT DESCRIPTION:			
RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	Glass & Glazing TRADE CONTRACT NO.: 08B			
LEXINGTON, KY 40506-0005	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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 ()	
CITY STATE	ZIP CODE Contractor Report of	FAX () DATE 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 <u>CCK-2561-22</u> 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)			
	ALTERNATES Alternate No. 1: Card Reade	are.		
	THE LUMP SUM OF	513		
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOR	THE LUMP SUM OF			
		(USE	(USE WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floori	ing		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)	_	(USE WORDS)	
(\$	(USE FIGURES)			
•	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian \	Nalkway and Gatton S	tudent Center	
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam C	Copper Roof		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$)			
	(USE FIGURES)			

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
` /——	Disadvantaged Small Business	(80)	_Disadvantaged Woman-Owned Large Business
· /——	Disadvantaged Large Business	(09)	_Other
(05)	Woman-Owned Small Rusiness		

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)
- 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	
Curtainwall (Provide & Install)	SF	
Storefront (Provide & Install)	SF	
Historical Single Hung Windows (Provide & Install)	EA	

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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			
SUPE	RINTENDENT			
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.			
List the	e Superintendent's Name			
Revised	3/22/06			

TRADE CONTRACT - 08B - Glass & Glazing

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:

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:

Interior Glass, Glazing, & Metal Panels as specified in contract documents

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

- 1. Scope of Work It is the intent for this project that this Subcontractor perform all the work as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% supervision, labor, material, equipment, tools, appliances, warranties and guarantees, and everything necessary to completely detail, fabricate, tag, and deliver F.O.B. to jobsite, and install all of the required:
 - Provide and install curtainwall at new stair towers. This shall include all accessories such as anchorage brackets, extruded trim, internal weep drainage system, etc.
 - Provide and install new windows at existing openings. This shall include but not be limited to the following:
 - Removal of temporary opening protection (plywood and handrail) just prior to new window install.
 - Removal all exterior brick trim
 - o Surface preparation at existing opening
 - o Provide all new fire-retardant treated wood blocking
 - Provide flashing at head, jambs, and sills that extend full depth of window frame
 - o Provide exterior perimeter caulk joint that adheres to both profile panning and flexible flashing membrane in each opening.
 - Provide and install new storefront windows at new bridge and stair tower.
 - Provide and install new storefront frames, doors and hardware including electrified hardware. Security
 devices and wiring will be by others.
 - Provide and install all glazing to include insulated glass, tempered glass, infill panels, spandrels, silk screened ceramic frit glass etc.
 - Provide and install applied film to all glazing as shown on the contract documents. (Ex. see remarks on door schedule.)
 - To the best extent possible this subcontractor shall verify rough-opening dimensions for windows and door prior to fabricating.
 - Provide and install all joint sealants, air seal, weather barrier/seal, edge seal, gasket seal, etc. associated with this scope of work.
 - This subcontractor shall be responsible for all means of access including all scaffolding, lifts, etc. to complete the installation of this scope of work.

- This subcontractor shall remove, store, protect and reinstall existing railing and glass from site retaining wall as shown on LH101. This subcontractor shall do the same for the glass railing at the Student Center exit stair during the duration for the Administration Drive shutdown. (This is shown on page 3 of the site logistics plan.) Storage shall be maintained offsite due to limited site storage.
- This subcontractor shall provide and install new glass railing at top of exterior retaining walls to include all anchoring, support steel tubing, rail shoe, glass, top railing, grout and joint sealants.
- This subcontractor shall provide and install joint sealants relating to this scope of work. This shall include joint sealant between curtainwall and steel shown on A524 Detail A1.
- This subcontractor shall provide and install the smoke baffles around the perimeter of Stair A.
- Provide and install clear float glass at NW entry door (A531 Detail F5).
- Provide and install film on widows as required by the contract documents.

This work will be completed in full compliance with the Contract Documents. The technique used to install this scope of work will be the responsibility of this contractor. The techniques established shall allow for all requirements set forth in the Contract Documents.

- 2. <u>Materials & Accessories</u> This Subcontractor shall furnish and install all flashing, trim, wood blocking, caulking, accessories, anchors, fasteners, clips, aluminum framing, glazing, dustless strikes, extruded aluminum caps with insulation where window mullions meet walls, anchors and any other items necessary to furnish and complete the systems associated with this unit of work as detailed within the Contract Documents.
- 3. <u>Doors & Accessories</u> This Subcontractor shall furnish and install all storefront doors, hardware, glazing, thresholds, fasteners, closures, power supplies, handicap push buttons, exit devices, weather stripping, and accessories for storefront doors. This Subcontractor shall provide necessary raceways for electrical wiring, security wiring, etc. within all doors and frames provided within this scope. This Subcontractor will wire all low voltage connections from auto operators to the push buttons. 120 V power and wiring from power supply and upstream will be by others.
- 4. <u>PlanGrid License</u> 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.
- 5. <u>Glass Handrails</u> This subcontractor shall furnish and install the glass guardrails as shown on the landscaping plans. This shall include removal, offsite storage and reinstallation of existing glass guardrails.
- 6. <u>Flashing</u> This subcontractor shall be responsible for all pre-finished aluminum flashing and trim that is directly adjacent to all windows, storefront, and curtainwall. This shall include but not be limited to all window head, jambs and sills.
- 7. <u>Caulking</u> This Subcontractor shall furnish and install all interior caulking and sealants, backer rod, and fastener penetrations for all the items associated with this unit of work. This includes caulking this Subcontractors work to the adjacent substrates and surfaces to complete a complete and final product.
- 8. Shop Drawings and Coordination This Subcontractor shall provide all of the required coordination between the approved shop drawings and the preparation and fabrication of the glazing systems. 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 that are to be sent to the jobsite immediately after shop drawings have been approved. This Subcontractor shall immediately commence with the preparation of all items to be submitted/approved as required by the Construction Documents.
- 9. <u>Coordination</u> This Subcontractor acknowledges that portions of this Subcontractor's scope of work are to be installed in conjunction with work by others and agrees to all coordination and sequencing as required by the Construction Manager. Coordinate all deliveries with the Construction Manager.

- 10. <u>Field Measurements</u> This Subcontractor shall be responsible for field measurements as required to perform this scope of work. The requirements of field measurements shall not alter or extend the contract schedule.
- 11. <u>Existing Structures</u> This Subcontractor shall survey and examine all existing adjacent structures to determine all information necessary to furnish and install the glazing systems. This Subcontractor shall clean or repair any damage to existing structures that results from executing this Scope of Work.
- 12. <u>Storage</u> This Subcontractor is responsible for protection of all stored materials on site. Store materials in an upright position, off the ground, undercover, and protected from weather, direct sunlight, and construction activities. Protect materials and finish during handling and installation to prevent damage. Special precautions will be required due to increased wind loading and weather conditions.
- 13. <u>Protection of Materials</u> This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Contractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Contractor at no additional cost to the Owner or Construction Manager.
- 14. <u>Craftsmanship</u> This Subcontractor understands that the work performed under this Trade Contract is an integral part of the finish product and will install all such items in a manner clearly indicative of the best trade practices possible. Any items installed in a manner not representing the best workmanship possible shall be reworked until they meet with CM approval. This work shall be done at no additional cost to the Construction Manager or Owner.
- 15. <u>Samples</u> This Subcontractor shall provide samples for initial material selection and for verification with specified size, type, and quantities as stated within the Specifications.
- 16. <u>Cleaning</u> This Subcontractor shall clean all glazing and frames upon completion of his work. This includes the removal of all stickers, sealants, or other items that are not cleanable with soap and water if these were caused by this Subcontractor's work. It is agreed that a final cleaning shall not be included in this scope of work.
- 17. <u>Acceptance of Substrates</u> This Subcontractor will verify the dimensions and any other conditions (including moisture content) of the substrate to confirm that it is acceptable prior to beginning this unit of work. This Subcontractor should review the substrate and notify the Construction Manager in writing of any deficiencies. Commencement of this unit of work shall constitute acceptance of substrates.
- 18. <u>Supplemental Framing</u> This Subcontractor shall provide any supplemental framing requirements to properly support this work that is not shown on the contract documents.
- 19. <u>Surveying</u> It is this Subcontractors responsibility to survey opening sizes, supports, and other conditions affecting this work at least two weeks prior to installation. Notify Whiting-Turner immediately of any problems.
- 20. <u>Proper Operation</u> It is this Subcontractor responsibility to install all doors leveled, plumb, and square to ensure a properly functional and operating door.
- 21. <u>Traffic Control</u> 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.
- 22. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning

work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail. All activities related to curtainwall, storefront and the historic windows are critical for building dry-in and dates and durations are not flexible. This subcontractor shall bid these specific activities as 50-hour work weeks (at a minimum) in order to expedite and keep these activities on track.

23. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager.
- Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety
 requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will
 adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner
 personnel.
- 24. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.
 - Add Alternate No. 4
 - Storefront windows at pedestrian bridge
 - Storefront door A300M
 - O Storefront door 200H (should be continuous curtainwall in base bid)
 - This subcontractor shall temporarily reverse the swing of the existing storefront door at the student center stairwell for the duration that the stairwell is shut down for the installation of the pedestrian bridge. Return to existing condition at the completion of the pedestrian bridge installation. (See addendum #2 logistics plan clarifications.)

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 09A – Drywall & Ceilings		
Project No. <u>2511.8</u> Purchasing Officer: <u>Matt Spalding</u>	Project Title: Renew/Modernize Frazee Hall —	
	I shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.	
This Proposal is submitted by:	(NAME AND ADDRESS OF BIDDER)	
Date:		
Telephone:		
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22	
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021	
PROCUREMENT	TRADE CONTRACT DESCRIPTION:	
RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	<u>Drywall & Ceilings</u> TRADE CONTRACT NO.: <u>09A</u>	
LEXINGTON, KY 40506-0005	TIME: 3:00 P.M. E.D.T.	
having carefully examined the site of the Documents as defined in Article I of the Specifications affecting the work as prefurnish all labor, materials, supplies and	pared by the Consultant, hereby proposes to d services required to construct the Project in hts, within the time set forth therein, and at the	
The Bidder hereby acknowledges received	pt of the following Addenda:	
ADDENDUM NO	DATED	
ADDENDUM NO	DATED	
ADDENDUM NO	DATED	
(Insert the number and date of any Addissued and received, the word NONE's	lenda issued and received. If none has been hould 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 ()
<u> </u>		710.0005	FAX <u>(</u>)
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 <u>CCK-2561-22</u> 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 A	ALTERNATES			
Add	Alternate No. 1: Card Reade	ers		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

	Alternate No. 2: Terraced Se			
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)	_	(USE WORDS)	
(\$)			
\ . <u></u>	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floori	ng		
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)	_	(USE WORDS)	
(\$	(USE FIGURES)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian V	Walkway and Gatton S	tudent Center	
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam C	Copper Roof		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	<u>_</u>
(\$)			
	(USE FIGURES)			

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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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.

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

ITEM	UNIT	COST PER UNIT
Installer	HR	\$
Foreman	HR	\$
Laborer	HR	\$
Drywall Patching	SF	\$
Drywall (Installed)	SF	\$
Wall Insulation (Installed)	SF	\$
Blocking	LF	\$
Door Frames (Installed)	EA	\$
Fire Caulking	LF	\$
Expansion Joints/Control Joints	LF	\$
Plaster Patching	SF	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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
SUPE	RINTENDENT
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this i. Below, please list the superintendent your firm will employ on this project. The successful Bidde required to furnish a resume of the superintendents' qualifications and or past projects.
List the	e Superintendent's Name
Revised	3/22/06

TRADE CONTRACT - 09A - Drywall, Ceilings, CFMF & Wall Panels

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 09A – Drywall, Ceilings, CFMF & Wall Panels

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:

Drywall & Ceilings as specified in contract documents.

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

- Scope of Work The Drywall Systems and Acoustical Ceilings Subcontractor shall perform all the work as
 scoped herein and as specified in the Project Manual and Contract Drawings. The technique used to install the
 drywall and framing systems and acoustical ceilings will be the responsibility of this Subcontractor. The
 techniques established shall allow for all requirements set forth in the Contract Documents. This Subcontractor
 will furnish 100% supervision, labor, material, hoisting, rigging, equipment, tools, appliances, warrantees,
 guarantees, shop drawings for all drywall, framing, sheathing, rough carpentry, and acoustical systems including but not limited to the following:
 - Provide and install all CFMF and exterior sheathing.
 - Provide and install all interior metal framing and drywall for partitions. Finish drywall.
 - Provide and install all batt insulation between studs and CFMF.
 - Repair plaster per plaster repair plans A720 A723.
 - Provide and install moisture resistant or cement board for tile substrate.
 - Receive and install new door frames in drywall partitions. Door frames provided by others.
 - Provide and install acoustic ceilings including cloud ceiling. Make all cuts in ceiling tiles including penetrations for other trades.
 - Provide and install all in-wall wood blocking for millwork, accessories, A/V and other products scheduled
 to be hung on walls. Blocking shall be treated as required by the contract documents. (G002 Note 7 &
 Note 8, G041 Note B).
 - Provide and install all joint sealants for all top and bottom of wall conditions required by the contract documents. Provide all joint sealants and accessories for control and expansion joints in drywall walls.
 - This subcontractor shall be responsible for labeling all walls with ratings regardless of wall construction.
 - This subcontractor shall provide control lines on each floor to be used by other trades for locating all interior installations. This shall include noting the ceiling height on the floor of each room.
 - This subcontractor shall install fire treated plywood to all walls of each telecommunications room. (E000 Note 32).
 - This subcontractor shall be responsible for all plaster patching as indicated on the contract documents. This subcontractor shall also include patching at locations where electrical and other subcontractors are required to trench in walls and conceal conduits.
 - This subcontractor shall provide and install the Acoustic stretched fabric wall and ceiling panels as required by the contract documents.

- This subcontractor shall provide and install blown insulation in the attic as required by the contract documents.
- This subcontractor shall provide and install firestopping at gap between exterior wall and roof decking. (A512 Detail H9).
- This subcontractor shall remove and reinstall portions of the existing student center acoustic ceiling in order for the Fire Protection and Electrical subcontractors to run their utilities through the student center. (A411 Notes 1 3). In addition, this subcontractor shall provide an allowance of 50 new tiles to be provided and damaged in the case that the existing tiles are damaged.
- 2. <u>Coordination</u> 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 as required. All deliveries must be coordinated with the Construction Manager.
- 3. <u>PlanGrid License</u> 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. <u>Mobilization</u> This Subcontractor may be required to perform more than one mobilization as a requirement of this scope of work.
- 5. Finish This Subcontract shall provide the gypsum board finish level in accordance with the Contract Documents. The finished drywall shall be plumb, level, and true to line, and must have a smooth and unblemished finish ready for the application of surface treatments by others. This Subcontractor understands that the exposed elements of work performed under this subcontract are an integral part of the finished product and will install all such items in a manner clearly indicative of the best trade practices possible. Any items installed in a manner not representing the best workmanship possible shall be reworked until they meet with the approval of the Construction Manager and the Architect. This Subcontractor will wipe-down all walls after completion of finishing prior to prime painting of walls (painting by others) to remove any drywall paper raised from the sanding process. This includes finishing all walls within the limits of construction, including any existing walls not specifically called out in the Construction Documents.
- 6. Patching This Subcontractor understands that a significant amount of repairs and patching to the work that will be required as a normal facet of construction work and agrees that all costs associated with this repair are included in the contract amount. All repairs not considered normal must be reported in writing and be approved by the Construction Manager prior to the repair work being performed, except on an emergency basis. This Subcontractor shall include an additional allowance of \$5,000 of patching as part of this Bid. Any and all portions of the unused allowance will be returned to the Construction Manager at their discretion.
- 7. Ceilings This Subcontractor understands that the suspension system for drywall ceilings, soffits, light covers, acoustical, and feature ceilings shall be installed not only to carry the loads of the ceilings, but also the superimposed loads of light fixtures, grills and diffusers, and other similar items installed in the ceiling. This work shall be coordinated with other trades to provide required cut-outs and supplemental supports as required for a complete system. All related accessories and trim materials shall be furnished and installed by this Subcontractor. This subcontractor has also included any miscellaneous trims pieces as required to close any gaps between the radiant panels and ceiling system.
- 8. <u>Ceiling Touchup</u> This Subcontractor will provide all necessary ceiling tile cuts, touchup, edge painting, edge cuts, etc. as necessary to provide a complete finished ceiling system.
- 9. <u>Caulking</u> This Subcontractor shall provide all acoustical caulking and fire resistive joint sealants at floors and structure at all walls.
- 10. Expansion & Control Joints This Subcontractor shall be responsible for furnishing and installing all expansion and control joints associated with the drywall and ceiling scope of work whether shown or not in the Contract Documents, specifically along walls and ceilings, in accordance with the specifications and or the USG

requirements. Flooring expansion joints will be provided by others. This includes walls within the limits of construction, but not specifically called out in Construction Documents.

- 11. <u>Cold Formed Metal Framing (CFMF)</u> This Subcontractor shall engineer, fabricate, provide and install all CFMF for the project.
- 12. <u>Sequencing</u> This Subcontractor agrees to attend a preconstruction meeting with the painting contractor to review the procedures for the finishing, priming, pointing, and final painting work. The following procedure will be used:
 - a) Drywall Subcontractor will complete final sanding of drywall.
 - b) Painter to apply the prime coat.
 - c) Whiting-Turner, drywall, & painting Subcontractors to walk entire area and review drywall quality. Imperfections will be identified by circling with pencil.
 - d) Drywall Subcontractor will repair all circled imperfections.
 - e) Painter will proceed with application of first coat.
 - f) Items c and d will be repeated, correcting any remaining imperfections.
 - g) Balance of work completed, i.e. millwork, flooring, hardware, etc.
 - h) Painter will complete final coat(s).
- 13. <u>Blocking</u> This Subcontractor shall be responsible for furnishing and installing all in-wall blocking to support the intended loads as detailed in the Contract Documents. This includes, but is not limited to, all bathroom accessories, marker and display boards, millwork, barn door, handrails, flat panel TV monitors, shelving, window blinds, wall bumper guards, all Owner supplied & installed equipment, etc.; all to be in strict accordance with the Contract Documents, including any required fire-retardant wood blocking. This Subcontractor will be provided plans for blocking. Blocking for curtain wall, aluminum windows, and storefront entrances shall be by this subcontractor. The intent is that if the Contract Drawings show blocking for fit out, this Subcontractor will provide and install it. Unless otherwise noted in the Contract Documents, this Subcontractor will provide substantial blocking. Layout and dimensions assistance may come from others, but this Subcontractor will coordinate with the Construction Manager and other Subcontractors to install all wood blocking as indicated in the Contract Documents. At all wood sliding doors, this Subcontractor has included wood blocking, not metal strap blocking, due to the weight of the doors.
- 14. <u>In-Wall & Above Ceiling Inspections</u> It is this Subcontractor responsibility to secure signoff by appropriate trades prior to close-in of any walls or ceiling per the WT Ceiling/Partition close-up release form. Do not conceal or cover any work until required test and inspections have been performed and accepted.
- 15. <u>Fire-Safing/Fire-Stopping</u> This Subcontractor shall be responsible for furnishing and installing all fire-safing/fire stopping as required by the Contract Documents for this scope of work. Fire-Safing / Fire-Stop shall be by others for all penetrations made by others for piping, ductwork, etc. This subcontractor shall include firestopping at top of wall details and at gap between exterior wall and roof decking.
- 16. <u>Insulation</u> This Subcontractor shall furnish and install all in wall or above ceiling loose fill and rigid insulation whether for sound or temperature insulation. This includes all insulation required in soffits as well as above any ceilings and in walls as called out on the Contract Documents. This Subcontractor will provide and install all spray applied, noise & vibration reducing, ceiling fiberglass fiber reinforced wall & ceiling surfacing systems as indicated in the Contract Documents.
- 17. <u>Rough Carpentry and Sheathing</u> This Subcontractor is responsible for all rough carpentry and sheathing as detailed in the Contract Documents.
- 18. <u>Installation of Hollow Metal Door Frames in GWB</u> This subcontractor shall install all hollow metal door frames in GWB walls, furnished by others. This subcontractor shall install hollow metal frames plumb, rigid, properly aligned, and securely fastened in place. Once a frame is installed, this Subcontractor will provide a robust plastic or cardboard frame protection system for 4' minimum on each jamb. Extras will be maintained on site in order to replace any lost or damaged frame protectors.

- 19. Receiving Material Provided by Others This contractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to: all door frames & access panels. Any repair or replacement due to: failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.
- 20. <u>Partition Identification</u> This Subcontractor shall be responsible for all fire wall identification stenciling, as required for an easy, unobstructed view of the rating on all fire-rated walls. *Refer to the Fire Safety Plan Drawings for proper identification of smoke and fire wall ratings and locations.
- 21. <u>Cutouts & Framed Openings</u> This Subcontractor shall be responsible for all drywall cut-outs and framed openings such as, but not limited to electrical boxes, fire extinguisher cabinets, paper towel dispenser, cased openings etc. as required by the Contract Documents. This Subcontractor shall coordinate size and location of openings with other subcontractors.
- 22. <u>Access Panels</u> This Subcontractor shall furnish and install all access panels except for MEP access panels, which the MEP Subcontractors shall supply, and this Subcontractor will install. Locations for MEP access panels shall be provided for this Subcontractor.
- 23. Acoustic Wall Panels This Subcontractor will provide and install all acoustic wall panels and noted in the Contract Documents. This includes, but is not limited to, all fabric, backing, insulation, brackets, fasteners, adhesives, bracing, layout, concealed systems, trim, etc. necessary for a complete turnkey acoustic wall panel system. This Subcontractor has included a final cleaning of all wall panels at building turn over to remove all fingerprints, smudges, etc., this includes any and all soaps, detergents, materials, labor, re-mobilizations, etc. necessary for this touch up.
- 24. <u>Ceiling Tile Penetrations</u> This Subcontractor shall be responsible for coordinating the locations and performing the cutouts as necessary within ceiling systems, including but not limited to, fire sprinkler, casework, and other mechanical and electrical cutouts. This Subcontractor shall include installation of ceiling mounted device tiles with device cut-outs prior to field installation.
- 25. <u>Ceiling Coordination</u> This Subcontractor shall be responsible for coordinating any cuts or openings in hard ceilings. This includes accounting for all movable wall panel locations, projector locations, screen locations etc. shown to be installed in hard ceilings. This subcontractor has also included the install and mounting of projector screens shown within the contract documents.
- 26. <u>Damaged Tile</u> This Subcontractor shall be responsible for replacing any cracked or damaged acoustical tiles, found prior to review and acceptance by the Owner, Architect, and Construction Manager. This subcontractor understands that their will be a significant amount of re-seating ceiling tiles and grid, repairing grid, and replacing ceiling components, and has accounted for this in their bid. This includes replacing damaged. All grid repairs not considered normal must be reported in writing and be approved by the Construction Manager prior to the work being performed.
- 27. <u>Out of Sequence Work</u> This Subcontractor agrees and understands that some work may be required to be performed out of sequence in order to facilitate the construction schedule.
- 28. Attic Stock This Subcontractor shall provide all attic stock materials wrapped, labeled, delivered, unloaded, and placed at a location designated by the Construction Manager in strict accordance with the Contract Documents. Furthermore, all surplus materials shall be turned over to the Owner at its discretion. Surplus material shall be crated in its original container, delivered, unloaded and placed alongside attic stock material.
- 29. <u>Placement</u> This Subcontractor shall furnish all labor, materials, tools, and equipment to transport gypsum board assemblies and acoustical ceiling materials from their plant to the point of placement.

- 30. <u>Layout</u> This Subcontractor shall be responsible for all walls, ceilings, door frame, and window opening layout.
- 31. <u>Storage</u> This Subcontractor is responsible for protection of all stored materials on site. Special precautions will be required due to increased wind loading and weather conditions. This includes items such as protecting stored drywall with plastic, bundling of studs, proper distribution of stored drywall to prevent overloading the structure, etc.
- 32. Quality Control This Subcontractor shall respond both in regard to corrective action and with written notification to the Construction Manager of Quality Control Reports that are noted as being deficient. Corrective action and written notification is required within 48 hours of issuance of the deficient Quality Control Report, unless the deficiency requires a more rapid response which would make the needed corrections to be made within 24 hours of issuance of the report. Issued QC Reports will show the required time to correct any deficiencies. Any delays and cost caused to other Subcontractors who are directly associated to a lack of response to a deficient QC Report by this Subcontractor will be the responsibility of this Subcontractor. If no response is given, payment may be withheld until corrections are made.
- 33. <u>Protection of Materials</u> This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
- 34. Remedial Work This Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable work not installed within acceptable tolerances as described in the specifications. This work includes but is not limited to all removal and replacement as required to remedy all deficiencies as a result of this Contractor's work. The Subcontractor shall also be responsible for any damages prior to inspection and acceptance by the Construction Manager, Engineers and Owner.
- 35. 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.
- 36. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail. This subcontractor has activities that are on the critical path. This subcontractor shall bid these specific activities as 50-hour work weeks (at a minimum) in an effort expedite and keep these activities on track.

37. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager.
- Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.

- Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety
 requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will
 adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner
 personnel.
- 38. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - Alternate No. 4:
 - Build a temporary construction wall around plan north entrance of student center scope of work.
 Includes installing temporary door and frame.
 - This subcontractor shall remove and reinstall portions of the existing student center acoustic ceiling in order for the Electrical subcontractors to run their utilities through the third floor of the student center (A412).
 - o Provide and install a temporary partition to block off the student center exit as required for the installation of the pedestrian bridge. Remove at completion of bridge install.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 09B	- Carpet & Wood Flooring
Project No. <u>2511.8</u> Purchasing Officer: <u>Matt Spalding</u>	Project Title: Renew/Modernize Frazee Hall
	I shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.
This Proposal is submitted by:	
Date:	(NAME AND ADDRESS OF BIDDER)
Telephone:	
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021
PROCUREMENT	TRADE CONTRACT DESCRIPTION:
RM. 322 SERVICE BUILDING	Carpet & Wood Flooring
411 SOUTH LIMESTONE	TRADE CONTRACT NO.: 09B
LEXINGTON, KY 40506-0005	TIME: 3:00 P.M. E.D.T.
having carefully examined the site of the Documents as defined in Article I of the Specifications affecting the work as prefurnish all labor, materials, supplies and	pared by the Consultant, hereby proposes to d services required to construct the Project in hts, within the time set forth therein, and at the
The Bidder hereby acknowledges recei	pt of the following Addenda:
ADDENDUM NO	DATED
ADDENDUM NO	DATED
ADDENDUM NO.	DATED
(Insert the number and date of any Addissued and received, the word NONE s	lenda issued and received. If none has been hould 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 B	Υ		TITLE
PRINT NA	ME		FIRM
ADDRESS	<u> </u>		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 <u>CCK-2561-22</u> 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	5)
	DOLLARS AND(USE \	CENTS.
(USE WORDS)	(USE)	WORDS)
(\$) (USE FIGURES)		
(USE FIGURES)		
BID ALTERNATES		
Add Alternate No. 1: Card Reade	rs ·	
FOR THE LUMP SUM OF		
	(USE WORDS	5)
	DOLLARS AND	CENTS.
(USE WORDS)		WORDS)
(\$		
(\$) (USE FIGURES)		

FOR THE LUMP SUM OF			
	(USE	WORDS)	
(USE WORDS)	DOLLARS AND _	(USF WORDS)	CENTS.
(\$) (USE FIGURES)		(662 116.126)	
	na		
Add Alternate No. 3: Wood Floori	ng		
FOR THE LUMP SUM OF	(USE	WORDS)	
	DOLLARS AND		CENTS
(USE WORDS)		(USE WORDS)	OLIVIO.
(\$) (USE FIGURES)			
Add Alternate No. 4: Pedestrian V	Valkway and Gatton S	tudent Center	
FOR THE LUMP SUM OF	(USE	WORDS)	
	DOLLARS AND _		CENTS.
(USE WORDS)	_	(USE WORDS)	
(\$) (USE FIGURES)			
Add Alternate 3: Wood Flooring			
FOR THE LUMP SUM OF			
	(USE	WORDS)	
	DOLLARS AND _		CENTS.
(USE WORDS)		(USE WORDS)	
,			

Add Alternate 4: Pedestrian Walkway and Gatton Student Center				
FOR THE LUMP SUM OF(USE WORDS)				
(USE WORDS)	_ DOLLARS AND	(USE WORDS)	_CENTS.	
(\$) (USE FIGURES)				
Add Alternate No. 5: Flat Seam Copper Roof				
FOR THE LUMP SUM OF				
	(USE V	VORDS)		
(USE WORDS)	_ DOLLARS AND	(USE WORDS)	_CENTS.	
(\$) (USE FIGURES)				

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) <u> </u> L	Large Business	(07)	_Disadvantaged Woman-Owned Small Business
` /——	Disadvantaged Small Business	(80)	_Disadvantaged Woman-Owned Large Business
` /——	Disadvantaged Large Business	(09)	_Other
(05)	Noman-Owned Small Rusiness		

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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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.

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

ITEM	UNIT	COST PER UNIT
Laborer	HR	
Installer	HR	
Foreman	HR	
Self-Leveling Compound	Bag	
Flooring Protection	SF	

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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
SUPER	RINTENDENT
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.
List the	Superintendent's Name
Revised 3	/22/06

TRADE CONTRACT - 09C09B - 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 09C<u>09B</u> – <u>Carpet & Wood</u> 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 <u>complete</u> <u>Contract Documents</u> as they pertain to this Unit of Work.

- 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. <u>PlanGrid License</u> 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. <u>Flooring Transitions</u> This subcontractor shall furnish and install all flooring transitions as shown in the Contract Documents.
- 4. <u>Carpet Tile Flooring</u> 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. Gloss Epoxy Flooring This subcontract shall furnish and install all Gloss Epoxy Flooring and base per the contract documents for a complete scope of work and finished product.
- 6. 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.
- 7. <u>Wood Strip and Plank Flooring</u> 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.
- 8. <u>Membranes</u> This subcontractor shall furnish and install all membranes as it relates to this scope of work per the contract documents

- 9. <u>Testing</u> 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. <u>Moisture Levels</u> 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. <u>Patterns and Orientation</u> This subcontractor must install all flooring finishes with patterns and orientations per the contract documents and the approved shop drawings.
- 12. <u>Substrate Verification</u> 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. <u>Material Storage</u> This subcontractor shall store material in a manner that is in accordance with the contract documents, specifications, and manufacturer's instructions.
- 15. <u>Sequencing</u> 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. <u>Hard Surface Flooring Seams</u> This subcontractor shall install all hard surface flooring (vinyl composition, rubber, or linoleum tile products) with tight/invisible seams following manufacturer's recommendation.
- 17. 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 seems 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 13 on A700)
- 18. <u>Shop Drawings –</u> This subcontractor shall submit shop drawings for all flooring transitions and areas in which flooring patterns are shown as required by the contract documents.
- 19. <u>Finished Floor Elevations</u> 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 J on A700)
- 20. Base This subcontractor shall furnish and install all rubber/resilient base per the contract documents.
- 21. <u>Minor Floor Prep</u> 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.
- 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. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

25. Appropriate Common Requirements:

- a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 26. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - Add Alternate No. 3 Wood Flooring
 - Provide hardwood flooring in lieu of engineered wood. Include sleepers under wood flooring.
 - Add alternate No. 4 Pedestrian Walkway and Gatton Student Center
 - o Provide flooring in student center and at pedestrian bridge.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 09C – Painting, Caulking & Refinishing				
Project No. <u>2511.8</u> Purchasing Officer: <u>Matt Spalding</u>	Project Title: <u>Renew/Modernize Frazee Hall</u>			
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:				
Date:	(NAME AND ADDRESS OF BIDDER)			
Telephone:				
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: <u>CCK-2561-22</u>			
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021			
PROCUREMENT	TRADE CONTRACT DESCRIPTION:			
RM. 322 SERVICE BUILDING	Painting, Caulking & Refinishing			
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: <u>09C</u> TIME: 3 <u>: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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 B	SY		TITLE
PRINT NA	ME		FIRM
ADDRESS	S		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 <u>CCK-2561-22</u> 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 A	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Read	ers		
FOR	THE LUMP SUM OF		WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall			
FOR	FOR THE LUMP SUM OF(USE WORDS)				
		(USE	WORDS)		
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
	(USE FIGURES)				
<u>Add</u>	Alternate No. 3: Wood Floor	ing			
FOR	THE LUMP SUM OF				
		(USE	WORDS)		
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				
<u>Add</u>	Alternate No. 4: Pedestrian \	Walkway and Gatton S	tudent Center		
FOR	THE LUMP SUM OF				
		(USE	WORDS)		
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				
Add Alternate No. 5: Flat Seam Copper Roof					
FOR	THE LUMP SUM OF				
		(USE	WORDS)		
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				

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)
- 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
Painter	HR	\$
Laborer	HR	\$
Foreman	HR	\$
Paint	GL	\$
Caulking	LF	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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			
SUPE	RINTENDENT			
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this . Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.			
List the	e Superintendent's Name			
Revised 3	3/22/06			

TRADE CONTRACT - 09B - Painting, Caulking & Refinishing

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 09B – Painting, Caulking & Refinishing

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:

Painting & Caulking as specified in contract documents

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

- 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. <u>PlanGrid License</u> 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. General This Subcontractor shall furnish and apply all interior paints and coatings including but not limited to drywall, concrete, plaster, brick, doors & frames, structural steel, miscellaneous metals, concrete deck, metal decking, piping, conduit, ductwork, and any other surface scheduled to be painted on the Contract Documents. This Subcontractor shall also be responsible for all caulking including, but not limited to, all door frames, all dissimilar materials on the interior of the building.
- 4. <u>Miscellaneous Items</u> This subcontractor shall be responsible for the following items related to painting and refinishing:
 - Remove paint from existing doors to remain. Doors are currently in storage with other salvaged materials and should have paint removed and refinished. (General Note A on pages AD100 AD105).
 - Provide all caulking and sealants between dissimilar materials. (G002 Note 11).
 - This subcontractor shall paint all exposed steel and decking (floor and roof deck) as required by the contract documents. (A525 Note 9; A303 Note 2).
 - This subcontractor shall scrape and re-paint existing copper flashing on top of cornice. (A201 Note 3).
 - This subcontractor shall clean and re-paint all existing lintels on the exterior and interior of the building.
 - This subcontractor shall re-paint existing wood soffits on building exterior (A201 204 General Note G).
 - This subcontractor shall be responsible for all exterior re-painting. This shall include surface preparation to include but not be limited to: scraping, sanding, stripping, etc.
 - This subcontractor shall paint all unfinished stair components to include but not be limited to all stringers, landings, risers, steel pans.

- This subcontractor shall provide and install all high-performance coatings as required by the contract documents.
- Strip and stain existing NW and SW entrances. (A531 & A532 General Note F)
- 5. <u>Lead in Construction</u> This project is a historic renovation and as such, much of the existing paint is lead based paint. This subcontractor shall be responsible for scraping, sanding and/or striping said paint before refinishing as required by the contract documents. This Subcontractor will provide all necessary equipment, tools, labor, and supplies in order to provide and complete a full turn-key lead abatement. This includes, but is not limited to all necessary PPE, respirators, testing, documentation, signage, plastic, tape, tools, scaffolding, harnesses, dumpsters, dumpster liners, sampling inside and outside of containment area, etc. All work will be in accordance and compliance with OSHA, EPA, Kentucky EPD, and NESHAP regulations. Subcontractor will provide full auditable chain of custody documentation for disposal of all hazardous material removed during this work and will submit this data to Construction Manager at completion of this scope of work to confirm and provide evidence of proper disposal of all wastes. This Subcontractor must a certified abatement firm in Lead Abatement in the state of Kentucky.
- 6. Environmental Conditions Prior to commencement of this work and throughout installation, this Subcontractor shall be responsible for verifying that air & surface temperature, moisture, & humidity conditions are suitable for installation of this work. This Subcontractor shall notify WT immediately if these conditions do not meet the requirements for installation set forth in the Contract Documents or the paint manufacturer's requirements. Proceeding with work is deemed acceptance of the environment.
- 7. <u>Storage</u> This Subcontractor shall be responsible for unloading & storage of all materials until ready for installation. This Subcontractor shall be responsible for providing adequate fire protection (i.e. fire extinguishers) for all materials stored on-site.
- 8. Mock-ups/Benchmark Samples This Subcontractor shall be responsible for providing a full-coat benchmark finish sample of each type of coating and substrate required for the project. Benchmarks will be the standard upon which all other work will be judged for compliance with the Contract Documents. In the event that benchmarks do not meet the design standard in the Contract Documents as determined by the Contractor, Architect, or Owner, this Subcontractor is responsible for all corrective measures to achieve an acceptable benchmark. This Subcontractor has also included the painting of the casework mockup walls, and any necessary initial mobilizations to complete this work.
- 9. <u>Mechanical & Electrical Work</u> This Subcontractor shall be responsible for painting all newly installed, exposed, mechanical and electrical items installed, per the Contract Documents.
- 10. <u>Sprinkler Piping</u> This Subcontractor shall be responsible for painting all exposed piping and equipment scheduled to be field-painted in the Contract Documents.
- 11. <u>Sealed Concrete</u> This Subcontractor shall be responsible for sealing all exposed concrete floors indicated on the Contract Documents to receive sealed concrete finish.
- 12. <u>Finish Caulking</u> This Subcontractor is responsible for all finish caulking inside the building. This includes, but is not limited to, all bases, door jambs & headers, window frames, joints, dissimilar materials, brick, as shown or indicated on the Contract Drawings.
- 13. <u>Surface Compatibility</u> This Subcontractor shall be responsible for ensuring that all materials used are compatible with the surface to which they are applied in accordance with the manufacturer's recommendations. This Subcontractor shall notify WT immediately if any discrepancies exist. In addition, this Subcontractor agrees not to paint over UL or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.
- 14. <u>Ceiling Preparations</u> This Subcontractor has included an initial top band paint coat at ceiling elevation to allow drywall Subcontractor to begin ceiling grid installations prior to prime coat of paint and or as directed by the Construction Manager.

- 15. <u>Protection</u> This Subcontractor shall take any required measures to protect all work in place during the installation of this work. This Subcontractor shall be responsible for protecting other surfaces from paint, splatter, overspray, and any other possible damage. This Subcontractor shall be responsible for any and all remedial work to damage that is a result of improper surface protection. This includes but is not limited to sprinkler heads, curtain wall, glass, all floorings, etc.
- 16. Coordination This Subcontractor shall coordinate with the Drywall Contractor related to patching and preparation for finishes. This Subcontractor shall not proceed with final coats of paint until the Drywall Contractor has completed the touch-up of any imperfections in their work. This Subcontractor shall survey all existing conditions prior to commencement of work in a given area and report to WT any discrepancies or deviations in the work of other subcontractors which detrimentally affect this work. Commencement of work in a given area of the project, without notifying WT of such discrepancies or deviations, constitutes acceptance of the existing conditions, and obligates this Subcontractor to bear the cost to correct any deficiencies found in that area. Notification of discrepancies shall be reported to WT in writing in sufficient time so that corrective action can be taken without impacting the project schedule.
- 17. <u>Sequencing</u> This Subcontractor agrees to attend a preconstruction meeting with the drywall contractor to review the procedures for the finishing, priming, pointing, and final painting work. The following procedure will be used:
 - a. Drywall Subcontractor will complete final sanding of drywall.
 - b. Painter to apply the prime coat.
 - c. Whiting-Turner, drywall, & painting Subcontractors to walk entire area and review drywall quality. Imperfections will be identified by circling with pencil.
 - d. Drywall Subcontractor will repair all circled imperfections.
 - e. Painter will proceed with application of first coat.
 - f. Items c and d will be repeated, correcting any remaining imperfections.
 - g. Balance of work completed, i.e. millwork, flooring, hardware, etc.
 - h. Painter will complete final coat(s).
- 18. <u>Disposal</u> This Subcontractor will only dispose of empty, dry, paint cans in the jobsite dumpsters. All other unused materials will be properly disposed of, off site, by this Subcontractor.
- 19. 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.
- 20. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 21. Appropriate Common Requirements:
 - a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.

- c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 22. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 09D – Ceramic Tile				
Project No. <u>2511.8</u> Project Title: <u>Renew/Modernize Frazee Hall</u> Purchasing Officer: <u>Matt Spalding</u>				
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:				
Date:	(NAME AND ADDRESS OF BIDDER)			
Telephone:				
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: <u>CCK-2561-22</u>			
CAPITAL CONSTRUCTION PROCUREMENT	BID OPENING DATES: August 17, 2021 TRADE CONTRACT DESCRIPTION:			
RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	Ceramic Tile TRADE CONTRACT NO.: 09D			
LEXINGTON, KY 40506-0005	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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 ()
<u> </u>		710.0005	FAX <u>(</u>)
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 <u>CCK-2561-22</u> 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)			
DID.				
BID /	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reader	rs		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	_ DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

Add /	Alternate No. 2: Terrace	ed Seat Wall		
FOR	THE LUMP SUM OF	(USE		
	_	(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES))		
	(USE FIGURES)			
	Alternate No. 3: Wood F			
FOR	THE LUMP SUM OF	(USE		
		(USE	WORDS)	
	(110-1110-11)	DOLLARS AND _	(110=1110=10)	CENTS.
			(USE WORDS)	
(\$	(USE FIGURES))		
Add A	Alternate No. 4: Pedestr	rian Walkway and Gatton S	Student Center	
FOR	THE LUMP SUM OF _			
		·	WORDS)	
	(HCE WODDS)	DOLLARS AND _	(LICE MODDS)	CENTS.
			(USE WORDS)	
(\$	(USE FIGURES))		
	(USE FIGURES)			
Add A	Alternate No. 5: Flat Sea	am Copper Roof		
FUR	THE LUMP SUM OF _	(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	OLNTO.
(\$)		
\Ψ	(USE FIGURES)	,		

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	(80)	_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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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	\$
Laborer	HR	\$
Ceramic Tile	SF	\$
Floor Protection	SF	\$
Leveling Compound	SF	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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		
SUPE	RINTENDENT		
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this . Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.		
List the	e Superintendent's Name		
Revised 3	3/22/06		

TRADE CONTRACT - 09D - Ceramic Tile

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 09D – Ceramic Tile

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 relate to the Ceramic Tile scope of work

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u> <u>Contract Documents</u> 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. <u>General</u> This Subcontractor shall provide all labor, material, layout and accessories necessary to furnish and install all ceramic tile and base per the Contract Documents.
- 3. Mockup This subcontractor shall construct a 4 foot x 4 foot mock-up for each tile type, setting materials and grout in order to establish an acceptable standard of quality for comparison during installation as well as verification of material types. These mock-ups shall be produced in accordance with the contract documents.
- 4. <u>PlanGrid License</u> 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.
- 5. Floor 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 seems will be taped, and the selected protection board will be compatible with the flooring systems installed. This Subcontractor will remove all temp 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.
- 5. <u>Substrate Verification</u> 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.

- 6. 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.
- 7. 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.
- 8. <u>Moisture Content</u> It is the responsibility of this subcontractor to 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.
- 9. Quantities & Dimensions This subcontractor shall verify quantities and dimensions for this scope of work.
- 10. <u>Material Storage</u>, <u>Handle</u>, <u>& Delivery</u> This subcontractor shall deliver, store, and handle material per the contract documents and manufacturer's instruction/recommendations.
- 11. Ceramic Tile This subcontractor shall furnish and install all ceramic tile per the contract documents for a complete scope of work. This includes, but is not limited to, ceramic tile, tile wall base, nosings, trim, accessories, moldings. Transitions, metal edge strips, grout, caulk, waterproofing, crack suppression, setting materials, grout sealant, adhesives, joint sealants (including joint sealant at transition between limestone and tile), etc.
- 12. <u>Patterns and Orientations</u> This subcontractor shall install all tile with patterns and orientations per the contract documents.
- 13. <u>Patching & Leveling</u> This subcontractor shall furnish and install all patching and leveling compound required to install ceramic tile per the contract documents and manufacturer's recommendations.
- 14. <u>Membranes</u> This subcontractor shall furnish and install all membranes as required by the contract documents as it relates to this scope of work. This includes, but is not limited to, liquid-applied, elastomeric, crack and sound isolation, and positive waterproofing membranes.
- 15. <u>Backer Board</u> This subcontract shall furnish and install all backer board as required to create the required substrate for tile installation.
- 16. <u>Tile Cleaner</u> This subcontract shall clean all tile after installation before final acceptance of work per the contract documents. Acid tile cleaning is not acceptable.
- 17. <u>Field Quality Control</u> This subcontractor shall complete all field quality control requirements for waterproofing membranes as it relates to this scope of work per the contract documents. This includes submitting a flood test field report to the architect.
- 18. <u>Finished Floor Elevation</u> This subcontractor shall be responsible for coordinating finished floor elevations with all/any floor mounted components (receptacles, access panels, etc.) so tat components are integrated and flush (example: see note J on A700)
- 19. Entry Tile This subcontractor shall include the ceramic tiling at existing northwest and southwest entries. Ardex flooring leveling to be included at entry tile (see note 7/A532) This subcontractor shall also provide the joint sealant transition between the limestone and tile.

- 20. <u>Transitions</u> This subcontractor shall include all Schluter transition strips per the contract documents.
- 21. <u>Attic Stock This Subcontractor shall furnish no less than 2% of total product installed for each type, color, pattern and size of tile for attic stock to be turned over to the Owner.</u>
- 22. <u>Closeout</u> This subcontractor shall complete all closeout and attic stock requirements per the contract documents
- 23. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - Add Alternate No. 4 Provide price for tile work in student center restroom
- 24. <u>Traffic Control</u> 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.
- 25. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 26. Appropriate Common Requirements:
 - a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
 - d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
 - e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 10A	A – Div 10 & Accessories
Project No. <u>2511.8</u> Project Purchasing Officer: <u>Matt Spalding</u>	ct Title: Renew/Modernize Frazee Hall
	shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.
This Proposal is submitted by:	
Date:	(NAME AND ADDRESS OF BIDDER)
Telephone:	
TO: BID CLERK	INVITATION TO BID: CCK-2561-22
UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021
PROCUREMENT RM. 322 SERVICE BUILDING	TRADE CONTRACT DESCRIPTION: Div 10 & Accessories
411 SOUTH LIMESTONE	TRADE CONTRACT NO.: 10A
LEXINGTON, KY 40506-0005	TIME: 3:00 P.M. E.D.T.
having carefully examined the site of the Documents as defined in Article I of the Specifications affecting the work as prefurnish all labor, materials, supplies and	itation for Bids for the above referenced Project, e Work, the Drawings and complete Contract General Conditions, as well as the pared by the Consultant, hereby proposes to services required to construct the Project in ts, within the time set forth therein, and at the
The Bidder hereby acknowledges receip	ot of the following Addenda:
ADDENDUM NO	DATED
ADDENDUM NO	_ DATED
ADDENDUM NO	_ DATED
(Insert the number and date of any Addissued and received, the word NONE sh	enda issued and received. If none has been nould 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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

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 <u>CCK-2561-22</u> 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	R THE LUMP SUM OF			
			WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID A	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reader	rs		
FOR	R THE LUMP SUM OF		WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

	Alternate No. 2: Terraced Se			
FOR	R THE LUMP SUM OF			
	FOR THE LUMP SUM OF(USE WORDS)			
		DOLLARS AND _		CENTS.
	(USE WORDS)	_	(USE WORDS)	
(\$)			
\ . <u></u>	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floori	ng		
FOR	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)	_	(USE WORDS)	
(\$	(USE FIGURES)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian V	Walkway and Gatton S	tudent Center	
FOR	THE LUMP SUM OF			
		(USE WORDS)		
		DOLLARS AND		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam C	Copper Roof		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$)			
	(USE FIGURES)			

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 Sma Business	II (08)	Disadvantaged Woman-Owned Large Business
(04)Disadvantaged Larg Business	e (09)	Other
(05) Woman-Owned Sma	all Rusiness	

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)
- 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	\$
Fire Extinguisher (with bracket)	EA	\$
Fire Extinguisher Cabinet	EA	\$
Corner Guard	EA	\$
Wall Guard Rail (both levels)	LF	\$
Soap Dispensers	EA	\$
Toilet Paper Dispensers	EA	\$
Trash Receptacles	EA	\$
Toilet Partitions	STALL	\$
Marker Boards	EA	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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		
SUPE	RINTENDENT		
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.		
List the	e Superintendent's Name		
Revised	3/22/06		

TRADE CONTRACT - 10A - Div 10 & Accessories

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 10A – General Trades – Div 10 & Accessories

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 Div 10 & Accessories.

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

- 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. <u>PlanGrid License</u> 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. Existing Accessories This subcontractor shall remove and protect all existing toilet room accessories and reinstall in the student center. See Note 8/AD102.
- 4. <u>Visual Display Boards</u> This Subcontractor shall furnish and install all visual display boards per the contract documents and manufacturer's recommendations/instructions.
- 5. <u>Toilet, Bath, & Laundry Accessories</u> This Subcontractor shall furnish and install all toilet, bath, & laundry accessories per the contract documents. This includes, but is not limited to, grab bars, mirrors, soap dispensers, paper towel dispensers, toilet tissue holders/dispensers, coat hooks, sanitary napkin disposal units, waste receptacles, etc.
- 6. <u>Toilet Compartments</u> This Subcontractor shall furnish and install all toilet compartments and urinal screens per the contract documents. This subcontractor shall field verify that all measurements are as indicated, that there is correct spacing between plumbing components, and proper location of built-in framing, anchorage, and bracing per the contract documents.
- 7. <u>Fire Extinguishers & Cabinets</u> This subcontractor shall furnish and install all fire extinguishers, fire extinguisher cabinets, and accessories associated per the contract documents. This includes, but is not limited to, all accessories, layout, fasteners, back boxes, wall brackets, fire extinguishers, certifications, charging of fire extinguishers, etc. necessary to provide a complete turnkey installed system per the Contract Documents. This

subcontractor shall field verify the size of all framed openings for fire extinguisher cabinets to ensure the cabinets will fir in the shown/specified locations.

- 8. <u>Markerboards</u> This Subcontractor shall furnish and install all markerboards per the contract documents for a complete scope of work.
- 9. <u>Blocking</u> This Subcontractor shall field verify that all required blocking has been installed as required behind items included in this scope of work (example, grab bars etc.).
- 10. <u>Pipe Covers</u> The Subcontractor shall furnish and install all under lavatory pipe covers per the contract documents and accessibility requirements.
- 11. <u>Miscellaneous Items</u> This subcontractor shall furnish and install all utility shelf/mop & broom holders per the contract documents
- 12. <u>Existing Conditions</u> This Subcontractor shall verify installation locations, required electrical power, and field measurements for all items included in this scope.
- 13. Refrigerator This subcontractor shall provide and install the refrigerator as shown in the contract documents
- 14. <u>Knox Box</u> This Subcontractor shall provide the main building Knox box. Installed by others (see Note1/A201)
- 15. Walk-Off Mat This Subcontractor shall provide and install the recessed walk-off mat as shown in the contract documents
- 16. Quality This Subcontractor is responsible to install all materials to be plumb and level and securely attached and filled upon completion. No materials shall have visible chips, cracks, voids, stains, or other defects.
- 17. <u>Caulking</u> Any caulking between items installed by this Subcontractor and adjacent surfaces is the responsibility of this Subcontractor.
- 18. <u>Traffic Control</u> 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.
- 19. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

20. Appropriate Common Requirements:

- a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.

- d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 21. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 10B – Demountable Partitions					
Project No. <u>2511.8</u> Project Purchasing Officer: <u>Matt Spalding</u>	ct Title: <u>Renew/Modernize Frazee Hall</u>				
	shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.				
This Proposal is submitted by:					
, ,	(NAME AND ADDRESS OF BIDDER)				
Date:					
Telephone:					
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22				
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021				
PROCUREMENT	TRADE CONTRACT DESCRIPTION:				
RM. 322 SERVICE BUILDING	Demountable Partitions				
411 SOUTH LIMESTONE	TRADE CONTRACT NO.: 10B				
LEXINGTON, KY 40506-0005	TIME: 3:00 P.M. E.D.T.				
having carefully examined the site of the Documents as defined in Article I of the Specifications affecting the work as pre furnish all labor, materials, supplies and	itation for Bids for the above referenced Project, e Work, the Drawings and complete Contract General Conditions, as well as the pared by the Consultant, hereby proposes to I services required to construct the Project in its, within the time set forth therein, and at the				
The Bidder hereby acknowledges recei	ot of the following Addenda:				
ADDENDUM NO	ADDENDUM NO DATED				
ADDENDUM NO DATED					
ADDENDUM NO	DATED				
Insert the number and date of any Addenda issued and received. If none has been ssued 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 ()
<u> </u>		710.0005	FAX <u>(</u>)
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 <u>CCK-2561-22</u> 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	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
	ALTERNATES Alternate No. 1: Cord Boods	ora		
<u>Aaa</u>	Alternate No. 1: Card Read	ers		
FOR	R THE LUMP SUM OF	(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

Add A	Alternate No. 2: Terrace	ed Seat	Wall		
FOR	THE LUMP SUM OF				
	•		(USE	WORDS)	
			DOLLARS AND _		CENTS.
	(USE WORDS)			(USE WORDS)	
(\$	(USE FIGURES))			
	(USE FIGURES)				
Add A	Alternate No. 3: Wood F	Flooring			
FOR	THE LUMP SUM OF				
			(USE	WORDS)	
			DOLLARS AND		CENTS.
	(USE WORDS)		<u> </u>	(USE WORDS)	
(\$	(USE FIGURES))			
•	(USE FIGURES)	•			
Add A	Alternate No. 4: Pedest	rian Wa	lkway and Gatton St	udent Center	
FOR	THE LUMP SUM OF				
			(USE	WORDS)	
			DOLLARS AND		CENTS.
	(USE WORDS)		<u> </u>	(USE WORDS)	
(\$)			
·	(USE FIGURES)	-/			
ا ماما	Altamata Na E. Flat Ca	ana Can	anar Daof		
Add A	Alternate No. 5: Flat Se	am Cop	pper Rooi		
FOR	THE LUMP SUM OF		(1195	WORDS)	
			·	•	
	(USE WORDS)		DOLLARS AND _	(USE WORDS)	CENTS.
	(OOL WORDS)			(JOL WORDS)	
(\$	(USE FIGURES)	.)			

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	(80)	_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)
- 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.

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

ITEM	UNIT	COST PER UNIT
Installer	HR	\$
Demountable Partitions	LF	\$
Foreman	HR	\$
Partition Protection	SF	\$
Glazing Film	SF	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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				
SUPE	RINTENDENT				
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.				
List the	e Superintendent's Name				
Revised	3/22/06				

TRADE CONTRACT - 10B Demountable Partitions

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 10B – Demountable Partitions

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 relate to the Demountable Partitions scope of work

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

- 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. <u>PlanGrid License</u> 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. <u>Demountable Partitions</u> This subcontractor shall furnish and install all demountable partitions including, but not limited to, frames, glass/glass panels, solid panels, connections and supports, panel joint closures, trim, glazing, and doors per the contract documents and manufacturer's instructions/recommendations for a complete scope of work.
- 4. <u>Qualifications</u> This Subcontractor shall provide documentation of manufacturer and installer required experience per the contract documents. See spec section 10 22 19 in Project Manual.
- 5. <u>Maximum Variation</u> This Subcontractor shall not exceed the maximum variation requirements when installing the demountable partitions. Maximum variation from true plane of partitions surfaces is 1/8 inch for every 10 feet in any direction.
- 6. <u>Substrate Conditions</u> This subcontractor shall verify that all surface conditions are acceptable per the contract documents and manufacturer's recommendations prior to installation of demountable partitions. This subcontractor shall notify Whiting-Turner immediately of any discrepancies. Failure to do so shall indicate acceptance of the substrate conditions.
- 7. <u>Coordination</u> This subcontractor shall coordinate card readers at demountable partitions with the demountable partition manufacturer. Card readers to be installed on demountable partitions frame (coordinate with contractor

that is installing card readers) (see Note D/A611). Wood base trim should be coordinated with demountable partition contractor and location (see Note 3/A730).

- 8. <u>Protection</u> This Subcontractor shall be responsible for providing protection for the demountable partitions after installation per the contract documents and manufacturer's recommendations.
- 9. <u>Door Hardware</u> This Subcontractor shall furnish and install all door hardware for demountable partitions in accordance with the contract documents and partition system manufacturer's instructions. This subcontractor shall also rough-in pathways and install boxes for card readers and electrified hardware as shown on the contract documents. The pathways and boxes for security is required in the base bid.
- 10. <u>Glazing Film</u> The Subcontractor shall furnish and install glazing film on demountable partition glazing. (Example: H1/A615)
- 11. <u>Traffic Control</u> 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.
- 12. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 13. Appropriate Common Requirements:
 - a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
 - d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
 - e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 14. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - Add Alternate No. 1 Card Readers this subcontractor shall provide pricing to include alternate electrified hardware as indicated in the door schedule.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 10C – Signage			
Project No. <u>2511.8</u> Project No. <u>Project No. Matt Spalding</u>	ect Title: Renew/Modernize Frazee Hall —		
•	al shall be followed exactly in submitting a set, an additional copy will be furnished upon Contract Documents.		
This Proposal is submitted by: Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: <u>CCK-2561-22</u>		
CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING	BID OPENING DATES: <u>August 17, 2021</u> TRADE CONTRACT DESCRIPTION: Signage		
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: <u>10C</u> TIME: 3 <u>: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 rece	ipt of the following Addenda:		
ADDENDUM NO	DATED		
ADDENDUM NO			
ADDENDUM NO	DATED		
(Insert the number and date of any Addenda issued and received. If none has been ssued 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 B	Υ		TITLE
PRINT NA	ME		FIRM
ADDRESS	<u> </u>		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 <u>CCK-2561-22</u> 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	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID A	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reade	ers		
FOR	R THE LUMP SUM OF	(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

Add Alternate No. 2: Terraced Seat Wall					
FOF	FOR THE LUMP SUM OF				
		(USE	WORDS)		
		DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				
	Alternate No. 3: Wood Floori	ng			
FOR	R THE LUMP SUM OF				
		(USE	WORDS)		
		DOLLARS AND		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				
Add	Alternate No. 4: Pedestrian V	Valkway and Gatton S	tudent Center		
		•			
FUR	R THE LUMP SUM OF	(USE	WORDS)		
				CENTS	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				
<u>Add</u>	Alternate No. 5: Flat Seam C	opper Roof			
FOF	R THE LUMP SUM OF				
		(USE	WORDS)		
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)		÷		

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)Sı	mall Business	(06)	_Woman-Owned Large Business
(02)La	arge Business	(07)	_Disadvantaged Woman-Owned Small Business
` /——	isadvantaged Small usiness	(80)	_Disadvantaged Woman-Owned Large Business
` /——	isadvantaged Large usiness	(09)	_Other
(05) W	Ioman-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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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.

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

ITEM	UNIT	COST PER UNIT
Installer	HR	
Sign(s)	EA	

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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
SUPER	RINTENDENT
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this . Below, please list the superintendent your firm will employ on this project. The successful Bidde required to furnish a resume of the superintendents' qualifications and or past projects.
List the	e Superintendent's Name
Revised 3	7/22/06

TRADE CONTRACT - 10C Signage

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.

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 relate to the Signage scope of work

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

- 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. <u>PlanGrid License</u> 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. <u>Signage</u> This Subcontractor shall furnish and install all signage as shown in the contract documents. This includes, but is not limited to, all room and door signs, egress path marking and other "glow-in-the-dark" signs, emergency evacuation maps, etc. per the contract documents for a complete scope of work.
- 4. <u>Painted Signage Lettering</u> This subcontractor shall provide and install new painted signage lettering at the Northeast entry to the building per the contract documents. Color of paint to match existing see sheet A532 and Note 2.
- 5. <u>Field Conditions</u> This Subcontractor shall ensure that ambient temperature on-site is at an acceptable level while completing this scope of work per the contract documents and manufacturer's recommendations/instructions.
- 6. <u>Door & Room Signage</u> This Subcontractor shall furnish and install a sign at every doorway, whether it has a door or not, not including corridors, lobbies, and similar open areas.
- 7. <u>Signage Details</u> This Subcontractor shall ensure all sign sizes, character heights, font types, colors, edges, corners, panels, etc. are manufactured and installed per the contract documents without chips, damage, or other types of blemish.

- 8. <u>Coordination</u> This subcontractor shall coordinate with Whiting-Turner project management staff and other trade partners in order to complete the job as required by the project schedule.
- 9. <u>Accessibility Compliance</u> This Subcontractor shall furnish and install all signage in accordance with accessibility compliance requirements as shown in the contract documents.
- 10. <u>Substrate Verification</u> This subcontractor shall verify that all surface conditions are acceptable per the contract documents and manufacturer's recommendations prior to installation of signage. This subcontractor shall notify Whiting-Turner immediately of any discrepancies. Failure to do so shall indicate acceptance of the surface conditions.
- 11. <u>Tapes & Adhesives</u> The Subcontractor shall furnish and install all required tapes and adhesives required to complete the signage scope of work per the contract documents.
- 12. <u>Protection</u> This subcontractor shall protect all signage from damage until date of substantial completion; damaged items must be repaired or replaced.
- 13. <u>Traffic Control</u> 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.
- 14. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 15. Appropriate Common Requirements:
 - a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
 - d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
 - e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 16. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 12A – Window Treatments				
Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>				
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:	This Proposal is submitted by: (NAME AND ADDRESS OF BIDDER)			
Date:				
Telephone:				
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22			
CAPITAL CONSTRUCTION PROCUREMENT	BID OPENING DATES: <u>August 17, 2021</u> TRADE CONTRACT DESCRIPTION:			
RM. 322 SERVICE BUILDING	Window Treatments			
411 SOUTH LIMESTONE	TRADE CONTRACT NO.: 12A			
LEXINGTON, KY 40506-0005	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	DDENDUM 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 (<u>)</u>
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 <u>CCK-2561-22</u> 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	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
	ALTERNATES Alternate No. 1: Card Reade	ers		
	R THE LUMP SUM OF		WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Add Alternate No. 2: Terraced Seat Wall				
FOR	FOR THE LUMP SUM OF(USE WORDS)				
		(USE	WORDS)		
	(USE WORDS)	_ DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				
	Alternate No. 3: Wood Flooring	ng			
FOR	THE LUMP SUM OF				
1 011		(USE	WORDS)		
		DOLLARS AND		CENTS	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				
Add	Alternate No. 4: Pedestrian W	Valkway and Gatton S	tudent Center		
	THE LUMP SUM OF	·			
FUN	THE LOWIP SOW OF	(USE	WORDS)		
		DOLLARS AND		CENTS	
	(USE WORDS)		(USE WORDS)	021110.	
(\$	(USE FIGURES)				
<u>Add</u>	Alternate No. 5: Flat Seam C	opper Roof			
FOR	THE LUMP SUM OF				
		(USE	WORDS)		
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				

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	(80)	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)
- 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
Single Shade/Blind	EA	\$
Installer	HR	\$
Foreman	HR	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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			
SUPE	RINTENDENT			
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.			
List the	e Superintendent's Name			

Revised 3/22/06

TRADE CONTRACT - 012A - Window Treatments

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 12A – Window Treatments

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 relate to the Window Treatments scope of work.

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u> <u>Contract Documents</u> 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. <u>PlanGrid License</u> 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. <u>Coordination</u> 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 as required. This Subcontractor also understands that some work may be required to be out of sequence as to accommodate the project schedule.
- 4. <u>Mockup</u> This Subcontractor shall construct a mock-up of each window shade system for evaluation of mounting, appearance, and accessories per the contract documents.
- 5. End Caps/Fascia This Subcontractor shall furnish and install all endcaps and fascia per the contract documents as it relates to the window blinds/shades referred to in this scope of work.
- 6. Window Shades & Blinds This Subcontractor shall furnish and install all window shades, blinds, and accessories per the contract documents for a complete scope of work.
- 7. <u>Substrate Verification</u> This subcontractor shall verify that all surface conditions are acceptable per the contract documents and manufacturer's recommendations prior to installation of window treatments. This subcontractor shall notify Whiting-Turner immediately of any discrepancies. Failure to do so shall indicate acceptance of the substrate conditions by this subcontractor.

- 8. <u>Caulking</u> This Subcontractor shall caulk all Shades casing/housing to adjacent wall/ceiling surfaces as necessary.
- 9. <u>Protection</u> The Subcontractor shall protect installed window treatments until the Certificate of Substantial Completion.
- 10. <u>Field Measurements</u> This Subcontractor will field measure and verify existing conditions prior to commencement of work or ordering materials. It is this Subcontractor's responsibility to field verify all installation locations for the material in this scope of work. Components that cannot be field verified shall be capable of being adjusted during installation.
- 11. <u>Framing Coordination</u> This Subcontractor shall review miscellaneous wall and ceiling framing shop drawings to ensure proper coordination with above ceiling supports for all Shades. This Subcontractor shall also furnish all labor and material necessary to properly mount the Shades.
- 12. Quality This Subcontractor is responsible for installing all materials plumb, level, and securely attached upon completion. No materials shall have any visible chips, cracks, voids, or stains. All adjustments and lubrication shall be completed according to the manufacturer's written instructions, as stated in the specifications.
- 13. <u>Training</u> This Subcontractor has included any necessary Owner training to show how to operate, access, repair, etc. the shade systems.
- 14. <u>Accessibility</u> Window treatment operation mechanisms/pull cords must be installed at an accessible height A.F.F. (above the finished floor) per the contract documents and Architect's approval.
- 15. <u>Final Cleaning</u> This Subcontractor has included a remobilization to return and provide a final cleaning of all shade fabrics, as determined by the Construction Manager. This includes all necessary detergents, soaps, appliers, and materials necessary to effectively clean and or dust the shades prior to building turn over.
- 16. <u>Closeout</u> This subcontractor shall fulfill all closeout requirements for this project as it relates to this scope of work per the contract documents.
- 17. 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.
- 18. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 19. Appropriate Common Requirements:
 - a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.

- d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 20. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontr	act 14A – Elevators
Project No. <u>2511.8</u> Proj Purchasing Officer: <u>Matt Spalding</u>	ect Title: RENEW/MODERNIZE FRAZEE HALL
	al shall be followed exactly in submitting a set, an additional copy will be furnished upon Contract Documents.
This Proposal is submitted by:	
Date:	(NAME AND ADDRESS OF BIDDER)
Telephone:	
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22
CAPITAL CONSTRUCTION	BID OPENING DATES: AUGUST 17, 2021
PROCUREMENT	TRADE CONTRACT DESCRIPTION:
RM. 322 SERVICE BUILDING	<u>ELEVATOR</u>
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: <u>14A</u> TIME: <u>3:00 P.M. E.D.T.</u>
having carefully examined the site of the Documents as defined in Article I of the Specifications affecting the work as prefurnish all labor, materials, supplies and	epared by the Consultant, hereby proposes to discrete services required to construct the Project in entry mithin the time set forth therein, and at the
The Bidder hereby acknowledges rece	ipt of the following Addenda:
ADDENDUM NO	DATED
ADDENDUM NO	DATED
ADDENDUM NO	
(Insert the number and date of any Addissued and received, the word NONE s	denda issued and received. If none has been 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);
- 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 90 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 B	SY		TITLE
PRINT NA	ME		FIRM
ADDRESS	S		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

Work Category – 14A

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	FOR THE LUMP SUM OF				
	(USE WORDS)				
		DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				
BID A	<u>ALTERNATES</u>				
<u>Add</u>	Add Alternate No. 1: Card Readers				
FOR	THE LUMP SUM OF		IMODDO)		
		(USE	WORDS)		
	(1.00-1.10-0.)	DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				

Page 4 of 10

Alternate No. 2: Terraced	l Seat Wall		
THE LUMP SUM OF			
(USE WORDS)			
	DOLLARS AND		CENTS.
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(USE FIGURES)			
Alternate No. 3: Wood Fl	ooring		
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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	(80)	_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.
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- (07) DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS: A concern that meets the definition of both (03) and (05) above.
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- (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)
- 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.

TRADE CONTRACT - 14A - ELEVATOR

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 14A – Elevator

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:

General Requirements as specified in contract documents

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u>

Contract Documents as they pertain to this Unit of Work.

Specific Scope 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. <u>PlanGrid License</u> 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. This subcontractor shall be responsible for providing the single, four stop traction elevator for the Frazee Hall project.
- 4. This subcontractor shall include all car finishes as required by the contract documents.
- 5. This Subcontractor shall review all Contract Documents regarding elevators for compatibility and elevator codes and submit, in writing, any discrepancies and/or clarifications to this scope prior to the bid submission.

- 6. Subcontractor shall comply with most stringent applicable provision of all codes, laws, regulatory agencies, and/or authorities to include but not limited to all revisions and changes in effect per Contract Documents.
- 7. This Subcontractor shall coordinate all work with the electrical, fire protection, masonry, mechanical, plumbing, security, telecom, and controls subcontractors on site for integration of Elevator systems.
- 8. This subcontractor shall be responsible for obtaining the necessary licenses and inspections to put the elevators in service for both temporary (including scheduling inspections and drop tests during temporary usage) and final use. Inspections for the elevators shall be provided by this subcontractor. This subcontractor shall advise Whiting-Turner in advance of dates and times tests are performed on elevators. Provide all necessary signage required to obtain final inspection approval for the elevators. Provide WT with copies of all inspections/acceptance certificates and operating permits as required by governing authorities to allow normal, unrestricted use of elevators, as well as any temporary use permits necessary.
- 9. All steel members required for a complete installation shall be furnished and installed by this subcontractor. This shall include steel embeds provided to the masonry subcontractor to be embedded in the masonry shaft wall.
- 10. This subcontractor shall cooperate and coordinate with flooring material subcontractor to ensure proper depth to accommodate level finish with door tracks, doorsills, and installation in cabs.
- 11. Elevator pit ladders will be provided by others. This subcontractor shall coordinate layout to comply with applicable code requirements and elevator installations.
- 12. Sump pit, sump pumps, and grating(s) shall be provided by others. This subcontractor shall coordinate locations to comply with applicable code requirements.
- 13. This subcontractor shall provide detailed pit drawings for the elevator. Subcontractor shall verify in writing that elevator pit dimensions and sump pump locations shown on Contract Documents are adequate for proposed elevators.
- 14. This subcontractor shall field verify elevator pit dimensions when walls are formed. Failure to verify dimensions shall serve as acceptance of pits and corrective measures shall be the responsibility of this Subcontractor.
- 15. This Subcontractor shall inspect and provide an elevator pre-inspection checklist with items identified outside this scope of work that are required for inspection (i.e. fire extinguisher in the machine room).
- 16. All penetrations required for installation of the elevator shall be the responsibility of this subcontractor.
- 17. Provide all core drilling, cutting/patching and penetrations for completion of this scope of work.
- 18. This subcontractor shall provide firestops or firesafing at penetrations or sleeves required by this scope of work.

- 19. Furnish fire rated and/or non-fire rated access panels that are not shown on the contract documents that are required to access elevator equipment for maintenance and adjustment. Coordinate locations (provide detailed, fully dimensioned drawings, identifying elevations) for installation by others.
- 20. This Subcontractor shall furnish and install Elevator sills and sill support angles.
- 21. This Subcontractor shall furnish and install all sleeves and steel angle guards on and around all duct and cable slots through slabs or grating.
- 22. This Subcontractor shall supply all material, test weights, and equipment to test Elevators in both temporary and final use.
- 23. This Subcontractor shall provide forty (40hrs) of premium time for Elevator operator to operate elevator for other trades (i.e. fireproofing) to complete work in shaft from platform as necessary on off-hours. This is to be used only at the direction of Whiting-Turner. Any remaining balance left will be returned to the owner
- 24. This Subcontractor shall furnish and install two (2) sets of pads for each elevator. Provide three-piece removable pads. Two pads covering side walls and adjacent front returns and one covering rear wall. Provide cutouts to access main cab operating panel.
- 25. All Elevator materials, performance, ride quality, operation, equipment, and any additional requirements shall be per the Contract Documents. All manufacturer standard components shall be used, unless otherwise indicated in the Contract Documents to furnish and install a complete system.
- 26. This subcontractor shall furnish and install all user interface, including but not limited to in-car control panels, hall stations, signals and indicators.
- 27. This subcontractor shall provide conduit and wiring for fire alarm, security, two-way communication and remote monitoring from elevators to elevator control rooms. This subcontractor shall be responsible for all wiring between elevators, elevator equipment and machinery. All conductors / raceways shall comply with respective specification within the Contract Documents.
- 28. Furnish and install all elevator equipment as specified, shown and/or required, including but not limited to controllers, noise and vibration control, accessories, incidentals, cables, wiring, telephone wiring, steel, weights, counterweights, sheaves, guard rails, counterweight guards / safety, terminal stopping, hoist/governing ropes, buffers, traveling cables, and any and all other items necessary for a complete operational system.
- 29. This Subcontractor shall provide custom programming of elevator operations to comply with the operations as outlined in the specifications. Included in the shops drawings shall be the sequence of operations for the Elevators in the event of power failure and emergency power usage. Sequence of operations is subject to change at no additional cost, until submittals have been approved.
- 30. This subcontractor shall provide the emergency phone for the elevator including the engraving per the UK standards.

- 31. This Subcontractor shall clean pits, tops of cabs, and hoistways prior to owner and A/E inspection and/or prior to turning the Elevators over for temporary use and to the owner.
- 32. This Subcontractor shall furnish and install all keys and key cores associated with the Elevators and controls to match existing key / cores currently throughout the UK Campus.
- 33. Subcontractor shall complete all defects, poor workmanship, adjustments, variances / noncompliance requirements to the satisfactory of the owner at no cost to Whiting-Turner or Owner. Once all deficiencies are completed a follow up assessment shall then occur.
- 34. This Subcontractor shall provide warranties per the Contract Documents. Warranty for the elevators shall commence at Substantial Completion of the overall project, not of Elevator completion.
- 35. Subcontractor shall extend the warranty period for any Elevator equipment related failures per Contract Documents.
- 36. This Subcontractor shall provide all wiring diagrams, written information, supplemental data, diagnostic tools, as-built drawings, operational and maintenance manuals, and any additional information necessary for proper maintenance and adjustments of the elevators within thirty (30) days of final acceptance per Contract Documents.
- 37. This Subcontractor to provide training as per specification section 142100 in the Contract Documents.
- 38. This Subcontractor shall provide all Elevator certification at prior to Substantial Completion. Subcontractor shall furnish all required diagnostic tools at the end of the contract. Equipment Design is to be "Non-Proprietary Type". Systems that require periodic entry of codes, etc. due to elapsed time or accumulated faults, calls, etc are not acceptable.
- 39. This Subcontractor shall include a final acceptance of the elevator operation with owner's personnel present and A/E, prior to substantial completion to verify that control systems and operating devices are functioning properly.
- 40. This Subcontractor shall provide all necessary equipment and competent personnel for all inspections including the final acceptance walk through.
- 41. 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 21A – Fire Protection				
Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>				
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:				
Date:	(NAME AND ADDRESS OF BIDDER)			
Telephone:				
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: <u>CCK-2561-22</u>			
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021			
PROCUREMENT RM. 322 SERVICE BUILDING	TRADE CONTRACT DESCRIPTION:			
411 SOUTH LIMESTONE	Fire Protection TRADE CONTRACT NO.: 21A			
LEXINGTON, KY 40506-0005	TIME: 3:00PM			
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 receip	ot of the following Addenda:			
ADDENDUM NO DATED				
ADDENDUM NO	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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No.
 <u>CCK-2561-22</u> 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

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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 <u>CCK-2561-22</u> 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.

FOF	R THE LUMP SUM OF			
	(USE WORDS)			
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reade	ers		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced S	Seat Wall		
FOR	THE LUMP SUM OF			
(USE WORDS)				
		DOLLARS AND		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
Add	Alternate No. 3: Wood Floo	ring		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
Add	Alternate No. 4: Pedestrian	Walkway and Gatton S	tudent Center	
		•		
FUR	THE LUMP SUM OF	(USE	WORDS)	
				CENTS
	(USE WORDS)	DOLLANG AND _	(USE WORDS)	CENTO.
(\$	(USE FIGURES)			
Add	Alternate No. 5: Flat Seam	Copper Roof		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

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(02)Large Business	(07)Disadvantaged Woman-Owned Small Business
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- (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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
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(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.

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

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

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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			
SUPE	RINTENDENT			
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.			
List the	e Superintendent's Name			

Revised 3/22/06

TRADE CONTRACT - 21A - Fire Suppression

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 21A – Fire Suppression

The work covered under this Contract includes but is not limited to the following specific work items: 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 Fire Suppression scope of work.

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

- 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. <u>Building Information Modeling (BIM)</u> Coordination shall be 3-D VDC, based on the Construction Manager BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This subcontractor shall be responsible for modeling and coordination mains, branch lines and sprinkler head locations. This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings. Refer to BIM Implementation Plan for details.
- 3. <u>PlanGrid License</u> 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. <u>Engineering</u> This Subcontractor shall be responsible for complete engineering and design of the fire protection system to the extent needed for permitting. Verify existing flow data and provide a design based on available flow. Furnish and install all seismic bracing required by local code for this scope of work. Provide complete engineering for seismic systems. Furnish and install vibration isolation for fire protection equipment and piping per contract documents for this scope of work. Provide complete engineering for isolation systems.
- 5. This subcontractor shall be responsible for all design, material and labor for a fully operational fire suppression system. This shall include both wet and dry sprinkler systems.
- 6. This subcontractor shall be responsible for all coring, drilling, cutting or other means to create penetrations where fire protection piping is required to pass through bearing walls, foundation walls, etc.

- 7. This subcontractor shall seal all penetrations for this scope of work as required by the contract documents.
- 8. This subcontractor shall provide and install all labeling for the fire suppression system as required by the contract documents and by local AHJ
- 9. This subcontractor shall be responsible for all fire suppression work shown to take place in the existing student center. This shall include but not be limited to the following:
 - Coordinate shutdown, draining, cutting and tie-in to existing fire sprinkler line.
 - Install monitored valves, check valves and flow switch.
 - Install 4" sprinkler main through student center and stub-out below grade.
 - Coordination with other trades for the removal and replacement of Acoustic Ceiling Panels through student center for main installation.
 - Cutting or coring walls in student center to accommodate routing of sprinkler main and sealing of penetration.
 - Work with-in the student center that are in areas exposed to be public will likely need to be done during off-hours and should be included in the base bid price.
- 10. This subcontractor shall by responsible for final tie-in of fire protection system between building and site utilities. This shall apply to both Frazee and the Student Center tie-ins and include but not be limited to the following
 - Stubbing out of building not less than 5' and completing tie-in outside building
 - Coring or excavating below foundation to perform stub-out
 - Sealing penetration through foundation
 - Backfilling inside building
- 11. This subcontractor shall provide and install all sensors and switches required for the fire suppression system to integrate with the fire alarm system. This shall include but not be limited to the following:
 - Flow sensor/flow switch
 - Tamper switch
 - Alarm valves
 - Supervised valves
 - Floor Control Valves
- 12. This subcontractor shall provide all components required for the wet sprinkler system including but not limited to the following:
 - Piping, risers and standpipes
 - Sprinkler heads (uprights, drops, sidewalls, etc.)
 - Sidewall sprinkler for elevator pit
 - Window sprinkler assemblies
 - Drain and drain valves
 - Remote Test
 - Inspector test connection
 - Check valves
 - Pressure gauges
- 13. This subcontractor shall provide all components required for the dry sprinkler system including but not limited to the following:
 - Piping
 - Sprinkler heads
 - Dry valve w/ trim and alarm
 - Air Compressor
 - Ball drip

- 14. This subcontractor shall supply all components required for the stairwell standpipes including but not limited to the following:
 - Piping
 - Hose valves
 - Hose valve cabinet
- 15. This subcontractor shall provide all escutcheons for this scope of work as required by the contract documents.
- 16. This subcontractor shall provide upright sprinkler coverage above all ceilings in areas that are combustible.
- 17. <u>Access Doors</u> Furnish all access doors required for access to fire protection system. Access doors to be installed by others.
- 18. Fire Stopping Provide fire stopping at all fire protection penetrations in floors, ceilings, and walls.
- 19. Subcontractor shall seal all penetrations where fire protection piping penetrates interior or exterior partitions. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer's recommendations before waterproofing is installed.
- 20. Commissioning Provide commissioning support including but not limited to the following:
 - Completion of commissioning documentation
 - Attendance in commissioning meetings when directed by The Construction Manager
 - Onsite support during functional testing
 - Onsite support to resolve any commissioning issues with installed work
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
- 21. Site Conditions All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
- 22. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 23. Appropriate Common Requirements:
 - a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
 - d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
 - e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.

- 24. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - a) Add Alternate No. 4 FP102 Note 10 & 11 apply to this alternate

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 23A – Plumbing, HVAC, & T&B			
Project No. <u>2511.8</u> Project Title: Purchasing Officer: <u>Matt Spalding</u>	RENEW/MODERNIZE FRAZEE HALL		
	shall be followed exactly in submitting a st, an additional copy will be furnished upon Contract Documents.		
This Proposal is submitted by:			
Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22		
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021		
PROCUREMENT	TRADE CONTRACT DESCRIPTION:		
RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE	Plumbing, HVAC, & T&B TRADE CONTRACT NO.: 23A		
LEXINGTON, KY 40506-0005	TIME: 3:00PM		
having carefully examined the site of the Documents as defined in Article I of the Specifications affecting the work as prefurnish all labor, materials, supplies and	itation for Bids for the above referenced Project, e Work, the Drawings and complete Contract General Conditions, as well as the pared by the Consultant, hereby proposes to I services required to construct the Project in ts, within the time set forth therein, and at the		
The Bidder hereby acknowledges receipt of the following Addenda:			
ADDENDUM NO	DATED		
ADDENDUM NO	DATED		
ADDENDUM NO			
(Insert the number and date of any Add	enda 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No.
 <u>CCK-2561-22</u> 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 B	SY		TITLE
PRINT NA	ME		FIRM
ADDRESS	S		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 <u>CCK-2561-22</u> 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	R THE LUMP SUM OF				
		(USE WORDS)			
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				
	ALTERNATES Alternate No. 1: Cord Bood	oro			
<u>Aaa</u>	Add Alternate No. 1: Card Readers				
FOR	FOR THE LUMP SUM OF(USE WORDS)				
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.	
(\$	(USE FIGURES)				

Add	Add Alternate No. 2: Terraced Seat Wall				
FOR	THE LUMP SUM OF _				
	_	(USE	WORDS)		
		DOLLARS AND _		CENTS.	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)		
(\$	(USE FIGURES))			
	(USE FIGURES)				
Add	Alternate No. 3: Wood F	looring			
FOR	THE LUMP SUM OF _				
		(USE	WORDS)		
		DOLLARS AND		CENTS.	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)		
(\$	(USE FIGURES)				
	(USE FIGURES)				
Add	Alternate No. 4: Pedestr	ian Walkway and Gatton S	tudent Center		
FOR	THE LUMP SUM OF _				
		(USE	WORDS)		
		DOLLARS AND		CENTS.	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)		
(\$	(USE FIGURES)				
	(USE FIGURES)				
Add	Alternate No. 5: Flat Sea	am Copper Roof			
FOR	THE LUMP SUM OF _				
		(USE	WORDS)		
		DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$)				
	(USE FIGURES)				

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)
- 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.

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

ITEM	UNIT	COST PER UNIT
Journeyman	HR	
Foreman	HR	
Fan Coil Unit (Provide and Install)	EA	
New Duct Installed	LF	
Floor Drain Installed		

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.

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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.

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

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
SUPE	RINTENDENT
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.
List the	e Superintendent's Name

Revised 3/22/06

TRADE CONTRACT - 23A - Plumbing, HVAC, & T&B

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:

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

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 Plumbing, Mechanical, HVAC, and Testing and Balancing

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

- Scope of Work It is the intent for this project that this Subcontractor perform all work scoped herein and as specified in the Project Manual and Contract Drawings. This subcontract includes the Mechanical, Plumbing, and Testing and Balancing of all systems for the Frazee Hall project, including engineering, testing and modifications required to existing active systems.
- Building Information Modeling (BIM) Coordination shall be 3-D VDC, based on the Construction Manager BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). 23A shall be responsible for performing clash detection for the entire coordination model and issuing report for all other subcontractors participating in coordination to resolve clashes. 23A is responsible for drawing out all access zones for FCUs, DOAS, valves and other critical equipment. Refer to BIM Implementation Plan for details.
- 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. This subcontractor shall provide the construction manager with two newest model iPad Pro 12.9" 256GB as well as two rugged style cases. These shall be for the sole use of the construction manager during the project and will be turned over to the owner at the conclusion of the project.
- 4. <u>Coordination with Controls</u> This subcontractor shall coordinate with the controls contractor for the installation of all controls devices. This subcontractor shall install the following: wells for sensors, control valves, control dampers, meters, etc.
- 5. <u>Building Utility Tie-in</u> This subcontractor shall be responsible for tie-in of all plumbing and mechanical utilities into the building. This shall include but not be limited to:
 - Stubbing out of building not less than 5' and completing tie-in outside building
 - Coring or excavating below foundation to perform stub-out
 - Sealing penetration through foundation
 - Backfilling inside building
 - Insulating utilities through penetration (if required)

- 6. This subcontractor shall install sleeves at all floor penetrations. Layout to be coordinated with wall layout.
- 7. Provide cutting and patching, saw cutting and core drilling for any penetrations required for this scope of work. No core drilling will take place without the Structural Engineer's written approval.
- 8. Provide drawings showing all required in-wall blocking. Blocking to be provided by others. If blocking is not indicated in drawings and missed, this Subcontractor will be responsible for its installation.
- 9. <u>Access Doors</u> Furnish all access doors required for access to plumbing and HVAC systems. This shall be required whenever access is needed but component is in an inaccessible location (within a drywall wall, above a drywall ceiling, withing a CMU wall, etc. Access panels will be installed by the drywall or CMU contractor.
- 10. <u>Fire Stopping</u> Provide fire stopping at all plumbing and HVAC penetrations through UL assemblies. This shall include fire stopping required when a new wall is built and existing piping or existing ductwork penetrates the new wall.
- 11. Caulking and Sealing Provide caulking for all piping installed in this subcontract. This Subcontractor shall seal all penetrations where HVAC piping, ductwork and equipment penetrates interior or exterior partitions. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer's recommendations before waterproofing is installed. This shall include sealing required when a new wall is built, and existing piping or existing ductwork penetrates the new wall.
- 12. Extended warranties Provide extended warranties for period of temporary use of equipment during construction. Provide maintenance of all equipment used during the temporary power and heating periods according to manufacturer's recommendations. Maintain a log of all maintenance performed through the temporary construction period until substantial completion. Submit a sample log to The Construction Manager for approval before the start of temporary use.
- 13. <u>Labeling</u> Furnish and install labels and signage which meet contract documents along with the governing code for plumbing, HVAC, and Mechanical Systems.
- 14. <u>Insulation</u> Furnish and install all insulation and jacketing required by specification, drawings and governing energy codes for this scope of work. This subcontractor shall also include valve handle extensions for these valves as needed to provide proper operation once insulated.

PLUMBING

- 15. This subcontractor shall provide and install all plumbing piping, valves, fittings, insulation, fixtures, accessories, etc. to complete a fully turnkey plumbing system. This shall include but not be limited to the following:
 - Domestic Cold Water including backflow preventers at water service entrance
 - Domestic Hot Water Supply & Return
 - Sanitary Drain and Vent Piping, cleanouts
 - Roof Drains, Roof Leader Piping, Downspout Nozzles (includes overflow)
 - Canopy Drains and piping
 - Floor Drains
 - Trap primer system and piping
 - Flush valve trap primer system
 - Building domestic water meter
- 16. This subcontractor shall provide all plumbing fixtures to include but not be limited to:
 - Lavatories/Sinks/Faucets
 - Water Closets

- Urinals
- Hose Bibs
- Water Cooler and Bottle Filler
- Wall Hydrants
- Mop Basin
- 17. This subcontractor shall coordinate with the structural sub to route piping through beam. (P103 Note 9)
- 18. This subcontractor shall provide all plumbing equipment to include but not be limited to the following:
 - Electric Water Heater
 - Expansion Tank
 - Recirculation Pump
 - Pressure Relief Valve
- 19. This subcontractor shall provide and install sump pump and sump pump piping for the building as required by the contract documents.
- 20. This subcontractor shall provide all final plumbing connections to owner furnished equipment.
- 21. This subcontractor shall provide condensate outlet box (LAV drains) to allow for tie-in of condensate piping. Insulate traps and drain piping where condensate is connected. (P100 Note 18)
- 22. This subcontractor shall provide an additional set of floor drain covers and sink strainers for all drains and sinks to be installed at building turn-over.
- 23. This subcontractor shall coordinate penetrations through roof with the roofing subcontractor and provide curbs/flashing boots as required by the contract documents
- 24. Subcontractor shall be responsible for flushing, cleaning and certification of plumbing systems as required by contract documents and codes.

HVAC

- 25. This subcontractor shall provide and install all HVAC equipment to include but not be limited to the following:
 - Fan Coil Units
 - Dedicated Outside Air Units
 - Split System Units
 - Electric Heaters
- 26. This subcontractor shall provide and install all ductwork and ductwork accessories for a complete turnkey installation. This shall include but not be limited to the following:
 - All ductwork, fittings, plenums, grilles, registers, intakes, diffusers, fasteners, sealants, tape, insulation, flexible duct, turning vanes, volume dampers, etc.
 - All filter return grilles including filters and filter media to be used during construction and new filters to be installed at turn-over.
 - All louvers and hood required for Outside Air intake and Exhaust air output. Also provide vent hood and
 plenum for attic space. This shall include providing and installing roof curbs as necessary for installation of
 roof hoods.
 - This subcontractor shall provide and install access doors in ductwork for access to dampers, coils, filters, etc. as required by the contract documents.
- 27. This subcontractor shall provide all supports and hangers for HVAC equipment and ductwork including any unistrut required to support Fan Coil Units in high ceiling area on the 3rd floor. (H103 Note 4)

- 28. This subcontractor shall provide all labor, hoisting, rigging, scaffolding, supports, etc. to install DOAS units in the attic space.
- 29. This subcontract shall provide and install all fire dampers as required by the contract documents. This shall include testing of fire dampers to confirm functionality.
- 30. This subcontractor shall provide heat trace on all piping in the attic space. Heat trace shall be a fully turnkey system including all controls and accessories.
- 31. Subcontractor shall be responsible for flushing, cleaning and certification of HVAC piping and duct systems as required by contract documents and codes. If ductwork is not properly protected, this Subcontractor shall be responsible for cleaning of entire duct system.

MECHANICAL

- 32. This subcontractor shall provide and install all Mechanical equipment to include but not be limited to the following:
 - Steam Traps
 - Heat Exchangers
 - Air Separators
 - Safety Relief Valves
 - Expansion Tanks
 - Condensate Pumps
 - Chilled Water Pumps
 - Hot Water Pumps
- 33. This subcontractor shall provide and install all mechanical piping systems within the building to include but not be limited to the following:
 - Hydronic piping (chilled and hot water)
 - Steam piping and steam vent piping
 - Condensate piping
 - Refrigerant piping
- 34. This subcontractor shall be responsible for installation of condensate piping through exterior wall and either core or coordinate with masonry subcontractor for installation of sleeve. This subcontractor shall be responsible for watertight seal of penetration. (H200 Note 10)
- 35. This subcontractor shall be responsible for providing, installing, piping, startup and commissioning of all pumps as required by the contract documents.
- 36. This subcontractor shall provide all supports for heat exchanges as required by the contract documents. (H301)
- 37. This subcontractor shall provide all air vents and drains as required by the contract documents.
- 38. Subcontractor is responsible for coordination of HVAC and Plumbing, for interface between these systems and Building Automation System.
- 39. Coordinate with the Electrical Subcontractor the locations and requirements of power feeds and/or receptacles needed for all equipment provided by this scope of work. Provide electrical interconnect wiring for plumbing equipment to provide a single point electrical connection.
- 40. Coordinate any and all shutdowns or tie-in work with The Construction Manager and the Owner's Representative 2 weeks prior to performing this work.

41. For all packaged equipment provided under this scope of work, install and pre-wire all electrical outlets, lights, fans, disconnects, etc. as indicated in the electrical drawings. Comply with all electrical specifications. Coordinate single point connections with division 26. Provide all accessories required to make final connections.

TESTING AND BALANCING

- 42. Subcontractor shall review shop drawings to confirm that quantities and locations of balancing valves, dampers, access doors and other means of access are acceptable. Notify the Construction Manager immediately of any conditions which prohibits or delays proper adjusting and balancing of systems.
- 43. Coordinate all testing and balancing with Authority Having Jurisdiction, owner's Commissioning Agent and The Construction Manager.
- 44. Provide remobilizations as required to meet contract schedule
- 45. Provide additional testing to verify settings and system capacity during near-peak conditions. This will include equipment previously installed and balanced in previous phases.
- 46. Subcontractor shall be responsible for testing, balancing and adjusting air and water systems which includes but is not limited to DOAS, FCUs, supply air, return air, exhaust air, outside air, exhaust air, chilled water, heating water system, grills, registers, diffusers, etc. Subcontractor shall perform coil temperature/performance testing of all heating and chilled water coils.
- 47. Subcontractor shall perform room pressure testing/verification.
- 48. Provide duct leakage testing as directed by mechanical engineer. Testing equipment will be provided by this Subcontractor. Coordinate with owner's commissioning agent, The Construction Manager, and authority having jurisdiction.
- 49. Handwritten copy of reports shall be submitted to The Construction Manager immediately upon completion of adjusting and balancing of a system or portion of a system. Final adjusting and balancing report shall be submitted within 2 weeks of completing work.
- 50. All valve/damper position indications shall be indelibly and clearly marked and shall be defined in the TAB report. Provide all test plugs required for testing and balancing.

GENERAL

- 51. <u>Testing</u> This Subcontractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third-party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and The Construction Manager. Provide multiple testing of installations as required to meet the project schedule. Extent of all testing is to be reviewed with The Construction Manager within one month of contract award to establish limits of testing and methods.
- 52. <u>Training</u> Subcontractor shall provide training and demonstrations per contract documents. Include videotaped records of training sessions. Coordinate training with W-T and owner.
- 53. Commissioning Provide commissioning support including but not limited to the following:
 - Completion of commissioning documentation
 - Attendance in commissioning meetings when directed by The Construction Manager
 - Onsite support during functional testing
 - Onsite support to resolve any commissioning issues with installed work
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
- 54. <u>Site Conditions</u> All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it

shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.

- 55. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 56. Appropriate Common Requirements:
 - a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
 - d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
 - e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 57. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - a. Alternate No. 4:
 - Remove and protect existing toilet and sink in student center restroom and reinstall. (AD102 -Note 6)
 - ii. FCUs 53 & 54 and all associated piping, ductwork, condensate pumps, condensate piping, etc. shall be part of this alternate.
 - iii. All HVAC work noted to be inside student center shall per part of this alternate
 - iv. Roof Leaders coming from bridge and through
 - v. P101 Notes 14, 15 & 16 apply to this alternate
 - vi. P102 Notes 10 16 apply to this alternate
 - vii. P202 Note 2

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 23B – Controls					
Project No. <u>2511.8</u> Proje Purchasing Officer: <u>Matt Spalding</u>	Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>				
NOTE: The following Form of Proposal proposal for this work. If this copy is los written request to the authority issuing C	t, an additional copy will be furnished upon				
This Proposal is submitted by:					
Date:	(NAME AND ADDRESS OF BIDDER)				
Telephone:					
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22				
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17th, 2021				
PROCUREMENT RM. 322 SERVICE BUILDING	TRADE CONTRACT DESCRIPTION:				
411 SOUTH LIMESTONE	Controls TRADE CONTRACT NO.: 23B				
LEXINGTON, KY 40506-0005	TIME: 3:00PM EST				
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 receip	ot of the following Addenda:				
ADDENDUM NO	DATED				
ADDENDUM NO					
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. <u>CCK-2561-22</u> 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 B	Υ		TITLE
PRINT NA	ME		FIRM
ADDRESS	<u> </u>		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 <u>CCK-2561-22</u> 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)	
	DOLLARS AND _		CENTS.
(USE WORDS)		(USE WORDS)	
(\$) (USE FIGURES)			
BID ALTERNATES			
Add Alternate No. 1: Card Reade	ers		
FOR THE LUMP SUM OF	4105	WODDO)	
	(USE	WORDS)	
(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$) (USE FIGURES)			

<u>Add</u>	Add Alternate No. 2: Terraced Seat Wall				
FOR	FOR THE LUMP SUM OF				
		(USE	WORDS)		
		DOLLARS AND _		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$	(USE FIGURES)				
	(USE FIGURES)				
<u>Add</u>	Alternate No. 3: Wood Floori	ng			
FOR	THE LUMP SUM OF				
		(USE	WORDS)		
		DOLLARS AND _		CENTS.	
	(USE WORDS)	_	(USE WORDS)		
(\$	(USE FIGURES)				
	(USE FIGURES)				
<u>Add</u>	Alternate No. 4: Pedestrian \	Walkway and Gatton S	tudent Center		
FOR	THE LUMP SUM OF				
		(USE	WORDS)		
		DOLLARS AND		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$)				
``	(USE FIGURES)				
<u>Add</u>	Alternate No. 5: Flat Seam C	Copper Roof			
FOR	THE LUMP SUM OF				
		(USE	WORDS)		
		DOLLARS AND		CENTS.	
	(USE WORDS)		(USE WORDS)		
(\$)				
	(USE FIGURES)				

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 Ri	Isiness

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)
- 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.

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

ITEM	UN	IIT	COST PER UNIT
Journeyman	HR		
Foreman	HR		

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

Each item listed under the different phases of construction must be clearly identified so that the Owner will 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

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			
SUPEI	RINTENDENT			
project	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidde required to furnish a resume of the superintendents' qualifications and or past projects.			
List the	e Superintendent's Name			

TRADE CONTRACT - 23B - Controls

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:

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

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 HVAC Controls.

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

- Scope of Work It is the intent for this project that this Subcontractor perform all work scoped herein and
 as specified in the Project Manual and Contract Drawings. This subcontract includes Controls System for
 the Frazee Hall project, including engineering, testing and modifications required to existing active
 systems.
- Building Information Modeling (BIM) Coordination shall be 3-D VDC, based on the Construction
 Manager BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other).
 23B will be responsible for modeling and coordinating locations for power supplies, controllers, conduit
 racks and large/critical junction/pull boxes above ceiling to ensure accessibility. Refer to BIM
 Implementation Plan for details.
- 3. <u>PlanGrid License</u> 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. Provide cutting and patching, saw cutting and core drilling for any penetrations required for this scope of work. No core drilling will take place without the Structural Engineer's written approval.
- 5. Provide drawings showing all required in-wall blocking. Blocking to be provided by others. If blocking is not indicated in drawings and missed, this Subcontractor will be responsible for its installation.
- 6. <u>Access Doors</u> Furnish all access doors required for access to controls systems. Access doors to be installed by others
- 7. <u>Fire Stopping</u> Provide fire stopping at all controls penetrations through UL rated assemblies. This shall include fire stopping required when a new wall is built, and existing controls conduits penetrates the new wall.

- 8. <u>Caulking and Sealing</u> Provide caulking for all controls conduit/pathway installed in this subcontract. Subcontractor shall seal all penetrations where, Controls Conduit, and equipment penetrates interior or exterior partitions. This shall include sealing required when a new wall is built, and existing control's conduit penetrates the new wall. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer's recommendations before waterproofing is installed.
- 9. Subcontractor is responsible for Coordination of HVAC, Plumbing, and electrical Contractor for interface between these systems and Building Automation System.
- 10. Coordinate with the Electrical Subcontractor the locations and requirements of power feeds and/or receptacles needed for all equipment provided by this scope of work. Provide electrical interconnect wiring for control's equipment to provide a single point electrical connection.
- 11. Coordinate all shutdowns or tie-in work with The Construction Manager and the Owner's Representative 2 weeks prior to performing this work.

CONTROLS

- 12. This subcontractor is responsible to furnish and install a complete operating controls system, including but not limited to conduit, wiring, devices, controllers, panels, workstation, software and programming. Provide controls interconnect and interlock wiring between systems and components. All controls cabling and wiring is to be in conduit.
- 13. This subcontractor shall monitor alarms on manhole sump pumps and provide all associated conduit, wiring, relays, controllers, tier 1 reporting devices, etc. for a complete installation. (U101 Note 11)
- 14. This subcontractor shall remove controls to existing condensate pump in steam manhole.
- 15. This subcontractor shall provide monitoring to drain pan high level alarm on all Fan Coil Units and interlock with the FCU's control valve in case of alarm.
- 16. This subcontractor shall provide all controls devices and sensors as required for a complete turnkey installation. This shall include but not be limited to the following:
 - Thermostats
 - Temp sensors (intake and discharge air temperature, water temperature, hydronic temperature,)
 - Control valves (steam, chilled water, hot water)
 - Isolation valves
 - Condensate Meters
 - Chilled Water BTU Meter
 - Decoupled valves
 - Pressure sensors (steam, chilled water, hot water)
 - Flow sensors
- 17. This subcontractor will be required to interface with, monitor and transfer data to UK Tridium system for the following third-party systems:
 - Automatic Transfer Switch
 - Power Metering
 - Variable Frequency Drives
 - Steam Condensate Pump
 - Indoor and Outdoor Lighting
 - Dedicated Outdoor Air Units
 - Ductless Mini-Split Unit
 - Sump Pumps/Duplex Storm and Sewage Ejectors
 - Vault Exhaust Fans

- Domestic Hot Water Heaters
- Domestic Water Meter
- 18. <u>Integration</u> This subcontractor shall take primary responsibility for integration of all devices as required by the contract documents. This shall include but not be limited to the following:
 - a. For non-BACnet IP devices and equipment this subcontractor shall be responsible for either providing a tier-1 reporting device capable of communication with the device or providing an automation gateway to convert the protocol. This subcontractor shall be responsible for all programming, setup, connections and testing for all reporting devices and gateways.
 - b. For BACnet IP devices this subcontractor shall be responsible for providing the MAC Address, programming IP addresses, Gateway addresses, instance numbers, etc., providing patch cables at device and confirming device is online and ping-able.
 - c. This subcontractor shall coordinate with UK UEM for pulling-in of all controls points to Tridium and working with UK UEM to confirm that all points naming, facets, point values and states are accurate and make sense as they relate to each system.
- 19. This subcontractor shall provide occupancy sensors where required by control sequence and not already provided by others. 26A to provide occupancy sensors with auxiliary relays as shown on the lighting drawings. Any location where an occupancy sensor is required by the controls sequence but not required for lighting it shall be provided by this subcontractor. This applies to all sequences. Coordinate with the 26A subcontractor for connections to occupancy sensors that they provide.
- 20. Testing & Balancing will be by others. Coordinate with Testing & Balancing contractor including modulating FCU speeds and control valves. Review Testing & Balancing documents and provide comments for coordination.
- 21. Test and calibrate all devices and test/tune control loops prior to start of commissioning activities. Replace any devices found to be damaged, malfunctioning, or out of specifications prior to start of commissioning.
- 22. All graphics, alarming, and trending is to be by UK through the Tridium system.
- 23. Provide weekly updates of point to point check out status.
- 24. <u>Testing</u> This Subcontractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third-party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and The Construction Manager. Provide multiple testing of installations as required to meet the project schedule. Extent of all testing is to be reviewed with The Construction Manager within one month of contract award to establish limits of testing and methods.
- 25. <u>Training</u> Subcontractor shall provide training and demonstrations per contract documents. Include videotaped records of training sessions. Coordinate training with W-T and owner.
- 26. Commissioning Provide commissioning support including but not limited to the following:
 - a. Completion of commissioning documentation
 - b. Attendance in commissioning meetings when directed by The Construction Manager
 - c. Onsite support during functional testing
 - d. Onsite support to resolve any commissioning issues with installed work
 - e. Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
- 27. Site Conditions All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.

28. Overtime Work – This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

29. Appropriate Common Requirements:

- a) Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b) Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c) O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d) Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e) Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 30. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - a. Alternate No. 4:
 - i. Controls for FCU 53 & FCU 54

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 26A – Electrical & Fire Alarm			
Project No. 2511.8 Project Title: RENEW/MODERNIZE FRAZEE HALL Purchasing Officer: Matt Spalding 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:			
having carefully examined the site of the Documents as defined in Article I of the Specifications affecting the work as prepfurnish all labor, materials, supplies and	BID OPENING DATES: August 17, 2021 TRADE CONTRACT DESCRIPTION: Electrical & Fire Alarm TRADE CONTRACT NO.: 26A TIME: 3:00 P.M. E.D.T. tation for Bids for the above referenced Project, work, the Drawings and complete Contract General Conditions, as well as the pared by the Consultant, hereby proposes to services required to construct the Project in its, within the time set forth therein, and at the		
The Bidder hereby acknowledges receip	t of the following Addenda:		
ADDENDUM NOADDENDUM NOADDENDUM 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 ()
OLT) (07475	710.0005	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 <u>CCK-2561-22</u> 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.

FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
BID .	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reade	ers		
FOF	R THE LUMP SUM OF	(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Floor	ing		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian	Walkway and Gatton S	tudent Center	
FOR	R THE LUMP SUM OF			
	· · · · · · · · · · · · · · · · · · ·	(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)	<u> </u>	(USE WORDS)	
(\$	(USE FIGURES)			
ЬЬΔ	Alternate No. 5: Flat Seam (Conner Roof		
		Sopper recor		
FOF	R THE LUMP SUM OF	(USE	WORDS)	
		•	·	051170
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	1			
νΨ	(USE FIGURES)			

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) <u> </u> I	Large Business	(07)	_Disadvantaged Woman-Owned Small Business
` /——	Disadvantaged Small Business	(80)	_Disadvantaged Woman-Owned Large Business
` /——	Disadvantaged Large Business	(09)	_Other
(05)	Woman-Owned Small Rusiness		

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)
- Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
- 4. List of Materials and Equipment.
- 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.

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

ITEM	UNIT	COST PER UNIT
FOREMAN	HR	
JOURNEYMAN	HR	
APPRENTICE	HR	
DUCTBANK (Formed & Poured)	LF	\$
EXIT SIGN INSTALLED	EA	\$
BIM COORDINATION	HR	\$
1" SLEEVE THROUGH SLAB	EA	\$
4" SLEEVE THROUGH SLAB	EA	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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
SUPE	RINTENDENT
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidde required to furnish a resume of the superintendents' qualifications and or past projects.
List th	e Superintendent's Name
Revised	3/22/06

TRADE CONTRACT - 26A - Electrical & Fire Alarm

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 26A –Electrical & Fire Alarm

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 Electrical, Telecommunications and Fire Alarm scope of work.

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

- 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. <u>Building Information Modeling (BIM)</u> Coordination shall be 3-D VDC, based on the Whiting-Turner BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings.
- 3. <u>PlanGrid License</u> 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. <u>Touchplan License</u> This subcontractor shall provide a license for the duration of the project for the Touchplan virtual scheduling tool. The construction manager shall control and have administrative rights over the Touchplan account. The total cost for 10 months is \$7,775. The project contact for Touchplan is Amanda McKernan <u>ajm@touchplan.io</u>. In addition, this subcontractor shall provide and setup two virtual scheduling stations to include:
 - 1x Greenlee 7060-CFO Compact Field Office Storage Box
 - 1x Greenlee 4D-CFO Four Door Compact Field Office
 - 2x 55" TVs or monitors with associated power & hdmi cables
 - 2x Dell D3100 docking stations
 - 2x Extension cords and surge protector
- 5. This subcontractor is responsible for the complete construction of the Electrical work per the intent of the project documents, in preparation for new construction, and in coordination with the Construction Manager, University of Kentucky, and all other trades.

- 6. This contractor is responsible for all work required to complete the Contract Documents intent. Including any additional materials required to install systems per revised layout of the coordination drawings:
 - a.) Electrical
 - b.) Electrical fixtures
 - c.) Site Electric
 - e.) Security (Rough-in only)
 - f.) Telecommunications
 - g.) Fire Alarm
 - h.) Grounding & Lightning Protection
- 7. Existing Light Poles Remove light poles including all wiring and conduit as indicated in contract documents. Once electrical demo is complete, concrete bases to be removed by 31A. Two additional poles and bases not shown on drawings will be required to be removed. Maintain electrical connections to "downstream" fixtures. (C-103 Note 5; U100 Note 20, U101 Note 7)
- 8. <u>Ductbanks</u> This subcontractor shall install new electrical and telecommunication ductbanks through site. This shall include but not be limited to: conduit, fittings, reinforcing rod, concrete encasement, sand, concrete cap, etc. This subcontractor shall include preparation of existing conduits at location of intersect. This subcontractor shall coordinate with the sitework subcontractor for the extents of demo of the existing ductbank and direct the sitework subcontractor for the excavation and backfill of new ductbanks. (U100 Notes 12 17 & 22)
- 9. <u>Telecomm Manhole</u> This subcontractor shall be responsible for modification of telecommunications manhole U12 as necessary to match new grade. (U100 Note 15)
- 10. <u>Manhole Electrical</u> This subcontractor shall provide all electrical conduits, wiring, outlets, GFI outlets, switches, disconnects, enclosures, lighting, for manholes. This shall include final electrical connections to sump pumps and exhaust fans. (U003; U101 Note 8)
- 11. <u>Primary Electrical Feeds</u> This subcontractor shall provide and install all work related to the primary electrical feeds for the building. This shall include but not be limited to the following:
 - This subcontractor shall disconnect, remove and dispose of existing electrical feeders to building from existing manhole E204. (U004)
 - This subcontractor shall remove and reinstall existing fault indicators on new feeder in manhole E204 (U004)
 - This subcontractor shall install new feeders to building transformer from manhole E204. (U004)
 - This subcontractor shall remove electrical to existing condensate pump in steam manhole. (U100 Note 21)
- 12. <u>Site Lighting</u> This subcontractor shall be responsible for site lighting including but not limited to all conduit, wiring, relays, light poles, pole bases, etc. (U100 Note 18, 26; U101 Note 9) This subcontractor shall also install data conduit and cabling to site lighting for fixtures to receive Wireless Access Points as indicated on the contract documents. (U100 Note 24; U101 Note 18)
- 13. Emergency Feeders & Fiber This subcontractor shall route emergency power feeders and fiber from Student Center electrical and MDF rooms to Frazee Hall as shown on the contract documents. (U100 Note 30;) Tie- in emergency power feeders from A333 to Frazee Hall as required by the contract documents. Coordinate with 09A for removal and replacement of acoustic ceilings. Work taking place in public areas of student center should be bid as taking place during off-hours.
- 14. <u>Emergency Call Box</u> This subcontractor to relocate emergency call box as indicated on the contract documents (U101 Note 19)
- 15. <u>Electrical Equipment</u> This subcontractor shall provide and install all electrical equipment for the project as required by the contract documents to include but not be limited to the following:
 - Switchboard
 - Panelboards
 - Fused Disconnects

- Disconnects
- Remote operator for main breaker
- 16. <u>VFDs</u> This subcontractor shall be responsible for mounting and wiring VFDs provided by others. This subcontractor shall also be responsible for all pathways and wiring from VFD to equipment.
- 17. <u>Lighting</u> This subcontractor shall be responsible for all lighting as required by the contract documents to include but not be limited to the following:
 - Light fixtures
 - Exit Signs
 - Switches
 - Occupancy Sensors
 - Lighting Controls
 - Power supplies
 - Remove, rewire and replace existing lighting sconces at 1st floor entrance
- 18. <u>Equipment Power</u> This subcontractor shall be responsible for final electrical connections to all equipment as indicated on the contract documents. This shall include but not be limited to:
 - Water cooler and bottle filler (E000 Note 20)
 - Clock receptable (E200 Note 5)
 - Door auto-operator
 - Trap primer unit
 - A/V TVs, Monitors, etc.
 - Power for security/access control panels
 - Power for BAS controllers
 - Elevator & Elevator Cab Lights
 - Unit Heaters
 - DHW Recirc Pump
 - Fan Coil Units
 - Electric Water Heater
 - Hot Water Pumps
 - Condensate Pump
 - Chilled Water Pumps
 - DOAS Units
 - Split System Units (IDUs & OUs)
 - Air Compressor for Dry Sprinkler System (Not shown on E drawings)
 - Fire Alarm Panels include interconnect panel between Frazee and Student Center
 - Power to heat trace system in attic
- 19. <u>Electrical Devices</u> This subcontractor shall provide and install all power devices to include but not be limited to:
 - Outlets/receptacles
 - Floor boxes
 - GFI outlets
 - USB outlets
 - Switched receptacles (controlled by lighting control)
- 20. <u>Telecommunication</u> This subcontractor shall provide all material and labor required for a complete telecommunication install as required by the contract documents. This shall include but not be limited to the following:
 - Cable Tray
 - IDF/MDF racks
 - Patch panels
 - Riser conduits between IDF rooms as required to connect all IDF rooms (E000 Note 31)

- Grounding bar
- Fire bricks at cable tray penetrations through rated walls
- Fiber
- Fiber and converters for fire alarm interconnect between Frazee Hall and Student Center
- Route fiber to student center MDF room A138
- Data receptacle/ports/jacks
- Data drops for wireless access points
- Data drops for security cameras
- Data drops for security/access controls
- Terminations of all data cables
- Testing of all data cables
- Data drop for BacNet IP devices including but not limited to:
 - Power Meter
 - o BAS Reporting Devices
 - o Lighting Controller
 - o Elevator Controller
- Data receptacle for TVs
- Data connection for elevator lobby two-way communication device
- 21. <u>Grounding</u> This subcontractor shall be responsible for all grounding and lightning protection as required by the contract documents. Provide lightning protection at data cables where they enter the building and transition to indoor rated cabling at that point. (U100 Note 29; U101 Note 18)
- 22. This subcontractor shall be responsible for trenching in existing walls to conceal new conduits. Patching by others. Coordinate with 04B and 09A Subcontractors.
- 23. This subcontractor shall be responsible for all pathways for this scope of work as well as for Security and A/V. This shall include all conduit, boxes, raceways, flexible conduit, etc. This subcontractor is responsible for all pathways with the exception of those required for HVAC Controls which will be completed by 23B.
- 24. <u>Security Rough-in</u> This subcontractor shall be responsible for all conduit, boxes and raceway required for access control, security, and video surveillance. Coordinate with 08A for full rough-in requirements.
- 25. <u>Fire Alarm</u> This subcontractor shall be responsible for all design, material and labor required to provide, install, program, test, and commission the complete fire alarm system for the building.
- 26. This subcontractor shall provide all fire alarm control panels, network interface panels, annunciator panels, etc. as required by the contract documents.
- 27. This subcontractor shall provide all fire alarm devices as required by the contract documents to include but not be limited to:
 - Speaker and flashing light combo
 - Speaker
 - Flashing light
 - Break glass station
 - Smoke detector
- 28. This subcontractor shall wire and monitor the following devices provided by others as required by the contract documents:
 - Tamper switches
 - Flow switches
- 29. This subcontractor shall provide fire alarm connections to post indicator valves. (U101 Note 16; U103 Note 4)

- 30. This subcontractor shall provide fire alarm connections to tamper switches in fire protection vault. (U103 Note 5)
- 31. This subcontractor shall provide fire alarm connection for building security/access control panels
- 32. This subcontractor shall provide elevator lobby two way communicating devices as required by the contract documents, including signage.
- 33. This subcontractor shall provide all equipment and programming required for the interface of the Frazee Hall fire alarm panel with Student Center fire alarm panel. This shall include all required power and fiber network for fully functioning interface.
- 34. This subcontractor shall provide all relays required for fire alarm connections to the elevator.
- 35. <u>Equipment Pads</u> Lay out all locations and sizes of equipment pads required for this scope of work and submit a shop drawing. Pads provided by others.
- 36. Access Doors Furnish all access doors required for access to electrical & fire alarm system. Access doors to be installed by others.
- 37. Fire Stopping Provide fire stopping at all electrical & fire alarm penetrations through rated assemblies.
- 38. <u>Protection This subcontractor shall</u> be responsible for identification and protection of all work that will remain exposed after installation. Costs to repair or replace inadequately protected work that becomes damaged shall be borne by this subcontractor.
- 39. Subcontractor shall seal all penetrations where electrical wire or conduit penetrates interior or exterior partitions. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer's recommendations before waterproofing is installed.
- 40. <u>Electrical Supports</u> This subcontractor shall be responsible for mounting of all devices, equipment, etc. related to this scope of work. This shall include all means and methods include additional steel supports, unistrut supports, threaded rod, hangers, etc.
- 41. <u>Labeling</u> Furnish and install labels and signage which meet contract documents along with the governing code for electrical systems. Identification (labels, tags, schedules, engravings, etc.) for all items including conduits and raceways provided by this unit of work. Temporary labels and schedules are required for any panels and switchgear that are activated. Update labels as work is installed.
- 42. Temporary Power Provide conduit, cable, and panels for temporary power within the building and onsite during construction. Furnish, install and wire power stands at each floor and for site and break area. The intent is to provide a panel and multiple power stands for site, a panel and multiple stands for the break area and a panel and multiple stands for the building. This temporary power shall be fed from the main building transformer and all required equipment, conduit and devices from this point is the responsibility of this subcontractor. During the duration of the ductbank rework, this subcontractor shall supply a generator to continue to provide temporary power. This shall include all fuel and maintenance of the generator. This subcontractor shall expedite the ductbank install and primary feeds to limit the use of the generator to as short a duration as possible. Submit all plans for temporary power to construction manager for approval.
- 43. Temporary Lighting Provide temporary low voltage lighting (clear-vu Flex SLS 3.0 system or similar) for entire building to include all fixtures, wiring, power supplies, control panels and feed from temporary service during construction. Install lighting as needed to maintain OSHA required light levels and adjust or add lighting as walls are added. Provide site lighting capable of maintaining a minimum of four foot candles. This subcontractor shall also provide temporary lighting at temporary fencing and temporary pedestrian walkways

for the duration of the Administration drive utility work and at temporary fencing near student center. See site logistics plans for details.

- 44. Emergency Power Shutdown As a requirement for running new emergency power feeds from the Student Center this subcontractor will be required to shut down the emergency power panel to safely complete the tie-in. The requirements of this shutdown are currently unknown. Therefore, this subcontractor shall carry an allowance of \$10,000 for shutdown requirements that maybe required that are above-and-beyond that of a typical shutdown. This could include, a generator, extension cords, new circuits, etc. 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. It shall be assumed that this shutdown will be completed during off hours and any required overtime should be included in the base bid and will not be covered by the allowance.
- 45. <u>Commissioning</u> Provide commissioning support including but not limited to the following:
 - Completion of commissioning documentation
 - Attendance in commissioning meetings when directed by The Construction Manager
 - Onsite support during functional testing
 - Onsite support to resolve any commissioning issues with installed work
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
- 46. <u>Site Conditions</u> All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
- 47. 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.
- 48. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.
- 49. Appropriate Common Requirements:
 - a) Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
 - b) Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
 - c) O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.

- d) Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e) Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 50. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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:
 - Add Alternate No. 4:
 - o E102 Notes 5, 6 & 11 17 apply to this alternate
 - o E202 Notes 3, 4, 7, 8 & 12 apply to this alternate
 - o E206 Power to FCU-53 & 54 apply to this alternate
 - o E209 applies to this alternate
 - o E302 Notes 3, 5, 8, 9, 13, 17 & 19 apply to this alternate
 - o E308 Note 10 applies to this alternate
 - Install temporary exit sign in stairwell of student center for duration of pedestrian bridge installation as shown on addendum #2 site logistics clarifications.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract	31A – Earthwork & Utilities		
Project No. <u>2511.8</u> Pro Purchasing Officer: <u>Matt Spalding</u>	oject Title: RENEW/MODERNIZE FRAZEE HALL		
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:			
Date:	(NAME AND ADDRESS OF BIDDER)		
Telephone:			
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22		
CAPITAL CONSTRUCTION	BID OPENING DATES: August 17, 2021		
PROCUREMENT	TRADE CONTRACT DESCRIPTION:		
RM. 322 SERVICE BUILDING			
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0009	TRADE CONTRACT NO.: 31A TIME: 3:00 P.M. E.D.T.		
EEXINGTON, RT 40300-000	5 TIME. 3 <u>.001 .W. E.D.1.</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 red	ceipt of the following Addenda:		
ADDENDUM NO	DATED		
ADDENDUM NO			
ADDENDUM NO	DATED		
(Insert the number and date of any A issued and received, the word NONE	ddenda issued and received. If none has been 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. <u>CCK-2561-22</u> 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 B	Υ		TITLE
PRINT NA	ME		FIRM
ADDRESS	<u> </u>		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

Work Category – 31A

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 O	F	
	(USE WOR	DS)
(USE WORDS)	DOLLARS AND(US	CENTS.
(\$(USE FIGURES)		
BID ALTERNATES Add Alternate No. 1: Card	Readers	
FOR THE LUMP SUM O	F(USE WOR	DS)
(USE WORDS)	DOLLARS AND(US	CENTS.
(\$(USE FIGURES))	

Page 4 of 17

<u>Add</u>	Alternate No. 2: Terrace	ed Seat Wall	
FOR	THE LUMP SUM OF		
		(USE WORDS)	_
		DOLLARS AND	CENTS.
	(USE WORDS)	DOLLARS AND(USE WORDS)	
(\$	(USE FIGURES))	
Add .	Alternate No. 3: Wood I	Flooring	
FOR	THE LUMP SUM OF		
		(USE WORDS)	
		DOLLARS AND(USE WORDS)	CENTS.
	(USE WORDS)	(USE WORDS)	
(\$	(USE FIGURES))	
Add .	Alternate No. 4: Pedest	rian Walkway and Gatton Student Center	
FOR	THE LUMP SUM OF		
		(USE WORDS)	
		DOLLARS AND(USE WORDS)	CENTS.
	(USE WORDS)	(USE WORDS)	
(\$	(USE FIGURES))	
Add .	Alternate No. 5: Flat Se	am Copper Roof	
FOR	THE LUMP SUM OF		
		(USE WORDS)	
	(USE WORDS)	DOLLARS AND(USE WORDS)	CENTS.
(\$	(USE FIGURES))	

BUSINESS CLASSIFICATION

Please co	omplete this form wh	nich is necessa	ary for the	University of	Kentucky vend	dor databa	ase.
Mark only	one classification.	Refer to "Defi	nitions" for	assistance i	n determining	correct cla	assification

(01)Smail 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)
- 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
Rock Removal	CY	\$
Loose Spoils Removal	CY	\$
Unsuitable Soil Removal from Site	CY	\$
Suitable Soil Removal from Site	CY	\$
Soil Haul-in to Site	CY	\$
Compacted Stone	TN	\$
Laborer	HR	\$
Operator	HR	\$
Foreman	HR	\$
Street Cleaning	HR	\$
Flagman	HR	\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR
Sanitary & Storm Sewer	
Site Work	
Site Demolition	
Shoring, Bracing, and Underpinning	
Clearing & Grubbing	

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
Excavators	
Front End Loaders	
Dump Trucks	
Mini-Ex	
Skid-Steer	
Bulldozer	

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

TRADE CONTRACT - 31A - Earthwork & Utilities

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 31A – Earthwork & Utilities

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:

Earthwork & Utilities as specified in contract documents

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

- 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. <u>Utility Locating</u> This subcontractor shall be responsible for utility locating by using both 811 and private utility locator. Coordinate with UK for locating campus utilities.

 This subcontractor must adhere to WTs utility avoidance policy and must pothole when locating or excavating around existing utilities.
- 3. <u>Erosion Control</u> Perimeter erosions controls installed by others. This subcontractor shall provide any additional erosion control measures if the perimeter controls are not adequate to contain erosion caused by this scope of work. This shall include sediment traps and/or other protection means. (C-102 Soil Erosion Control Note 4)
 - This subcontractor shall provide inlet protection at newly installed storm structures immediately after construction. (C-102 Soil Erosion Control Note 8)
 - This subcontractor shall provide a \$5,000 allowance for additional erosion control to be installed at the direction of the construction manager. This is above and beyond the perimeter erosion control and supplemental controls provided by this subcontractor. 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. <u>Clearing & Grubbing</u> This subcontractor shall be responsible for clearing and grubbing site and be responsible for all temporary seeding or other temporary means of ground cover. (C-102 Soil Erosion Control Note 3; C-

- 103 Note 4) The Subcontractor shall strip vegetation, topsoil, roots and other unsuitable material to a depth determined by the Structural testing/Inspection Agency.
- 5. Shoring This subcontractor shall provide all shoring for excavations for this project. This subcontractor shall provide a shoring plan for approval by the construction manager. Due to the small site footprint, a limited amount of sloping and benching can be accommodated so this subcontractor should assume using engineered shoring for most trenching and excavations. At the manholes and elevator pit this subcontractor must provide appropriate shoring to allow other trades to perform their work. This subcontractor should consider and provide as necessary: shotcrete, soil nailings or lagging walls in these areas.
- 6. <u>Selective Site Demolition</u> This subcontractor shall be responsible for the following site demolition:
 - Sawcutting and removal of existing concrete sidewalks, walkways, pathways, etc. per the contract documents and logistics plan. (C-103 Note 2)
 - Sawcutting and removal of asphalt in Administration drive as required for utilities install. (Limits not shown)
 - Demolition of existing storm inlets, trench drains and piping per the contract documents (C-103 Note 3)
 - Demolition of site stairs, landings, walls and railings per the contract documents (C-103 Note 9)
 - Demolition of site retaining walls (C-103 Note 11)
 - Demolition of wall to support construction efforts. (C-103 Note 12)
 - Remove river rock landscaping (C-103 Note 13)
 - Demolition of existing sanitary structure and associated piping. (C-103 Note 14; U100 Note 7 & 8)
 - Demolition of existing steam piping from vault to building. (U100 Note 3)
 - Demolition of existing domestic water service to building (U100 Note 28)
- 7. <u>Ductbank Demo</u> This subcontractor shall coordinate with electrical subcontractor and excavate the existing electrical and telecommunications ductbanks. The electrical subcontractor will determine the extents of demo of the existing ductbank and this subcontractor shall be responsible for said demo.
- 8. Excavation This Subcontractor shall perform excavation to the depths and limits on the drawings and as specified herein, including all necessary rock removal, in accordance with the Contract Documents. Do not excavate to full depth when there is a probability of rain, frost forming or ground freezing in excavation before concrete is placed. The Subcontractor is responsible for covering the fill dirt with plastic, erosion control (including maintenance), and cleanliness of this site. Within the building footprint the building pad shall be excavated to subgrade +1' shown in the Contract Documents. Final subgrade excavation within the building footprint will be by others. This subcontractor shall be responsible for excavation for all utilities and utility vault to include but not be limited to: Chilled Water, Steam, Fire Suppression, Storm, Water, Telecom, Electrical
- 9. This subcontractor shall excavate for electrician to install new electrical and telecommunications ductbanks. Coordinate with electrician for amount of excavation and provide input of grades and coordination with other utilities. (C-106 Note 6 & 13) This subcontractor shall be responsible for backfilling of new ductbanks once the electrician has completed the work.
- 10. <u>Survey</u> Prior to construction, the Subcontractor will have the project site staked and certified by a surveyor who is licensed in the state of Kentucky. If discrepancies between actual lines and elevations exist, notify Construction Manager before proceeding with drilling activities. This Subcontractor shall be responsible for all surveying of the site so that this scope of work may be completed. This may require multiple surveys.
- 11. <u>Finished Grades</u> The Subcontractor is responsible for the importing/exporting of material to achieve the appropriate finish grades. This Subcontractor is also responsible for all slope protection required as per the OSHA Safety requirements.

- 12. <u>Encountering Groundwater</u> This Subcontractor shall provide dewatering of any groundwater if encountered during excavation and fill operations. The Subcontractor shall also be responsible for all temporary and permanent dewatering needed for construction.
- 13. <u>Protection</u> The Subcontractor shall coordinate and do his grading work in a way that protects existing grades, subgrades, and fills from surface water. All demucking and pumping of surface water from excavations, if necessary, is part of this work.
 - Any site walls to remain should be protected by this Subcontractor. Document condition prior to protection being installed. (C-103 Note 9)
 - This subcontractor shall protect existing steam vents through durations of project as directed by mechanical engineer. (C-102 Note 6)
- 14. <u>Proof rolling</u> After stripping or excavation, and before any fill placement, the Subcontractor shall proof roll areas with a minimum of two coverages of a loaded dump truck or scraper in each of two perpendicular directions. Areas found to be soft or pumping shall have the soft soil removed and replaced with structural fill and compacted as outlined by the Contract Documents.
- 15. <u>Stockpile</u> This Subcontractor will be responsible for all hauling off and hauling in materials needed to complete the necessary scope of work. Due to the limited size of the site, stockpiles shall not be allowed unless an individual exception is made at the sole discretion of the WT Superintendent. This Subcontractor understands that as there is little to no staging area, the vast majority or all of the spoils will need to be removed from the project sight and has accounted for such.
- 16. Construction Entrances This subcontractor shall install new construction entrances per the logistics plan. (C-102 Soil Erosion Control Note 1) This subcontractor shall be responsible for the modification and repair of existing site entrance and mudmat as necessary to complete this scope of work. (Reference logistics plan for existing mudmat and entrance location.) This Subcontractor is to maintain control measures by mucking out and disposing of sediment as needed at said entrances. Removal and disposal of construction entrances at prior to backfilling and landscaping will be the responsibility of this subcontractor.
- 17. <u>Site Utilities</u> This subcontractor shall be responsible for the installation of all site utilities (excluding electrical and telecom) to include but not be limited to the following:
 - a) Storm Sewer (C-106 Note 1, 2, 3, 4, 7, 8, 12, 15 & 17)
 - i) Including but not limited to: manholes, manhole frames, manhole covers, manhole steps, piping, foundation/french drains, trench drains, inspections, testing, etc.
 - b) Sanitary Sewer (C-106 Note 5)
 - i) Including but not limited to: manholes, manhole frames, manhole covers, manhole steps, piping, fittings, gaskets, waterstop, clean-outs, testing, inspections, etc. (U100 Note 6)
 - c) Chilled Water (C-106 Note 9)
 - i) Including but not limited to: piping, insulation, fittings, valves, drains, temperature gauges, pressure gauges, anchors, startup testing, survey, as-builts, etc. (U101 Note 12, 14, 15)
 - ii) Items for chilled water manholes to include: vault lid access doors, vault ladders, sump pumps and associated piping, vent discharge lines, exhaust fans, vent plenums, vent plenum drain lines, vent intakes and exhaust frames and covers, concrete collars, etc. (U101 Note 10, 13)
 - d) Steam (C-106 Note 10)
 - i) Including but not limited to: piping, insulation, valves, testing, startup, wall anchors, linkseal, core drilling, etc. (U100 Note 2)
 - e) Fire Protection (C-106 Note 11)
 - i) Including but not limited to: fire protection vault, piping, shutoff valves, check valves, valve boxes, meters, fire hydrant, thrust blocks, post indicator valves, fire department connection, miscellaneous concrete pads, testing, inspections, final tie-in, startup, etc. (U100 Note 5; U101 Notes 3 6; U103 Notes 2 & 3)
 - f) Domestic Water Service (C-106 Note 14; U100 Notes 9, 27, 28)
 - i) This subcontractor to coordinate with KAWC for installation of new domestic water meter and water service to building.

This Subcontractor is responsible for terminating each utility scoped herein within 5' of each building line. If these systems are in place inside 5' of the building line at the time of installation, then this contractor will be responsible for final connections.

- 18. This subcontractor shall be responsible for backfilling utilities with lean concrete where utilities pass below a footing and will be in the influence zone or where they are installed below an existing footing.
- 19. <u>Temporary Collection of Existing or Disturbed Storm Systems</u> This Subcontractor shall be responsible for all temporary diversion of storm water from all the existing and/or disturbed storm systems. (C-103 Note 3) This subcontractor shall plug or demo storm drain as noted on the drawings. (C-103 Note 10)
- 20. Spoils This Subcontractor shall be responsible for removing all spoils including but not limited to: from deep foundations, footings, site utilities, and other excavation required by the concrete, and MEP scope of work. The concrete Subcontractor will be responsible to stockpile all spoils for removal/reuse and this Subcontractor is responsible for removing stockpiled spoils from the site or reusing them on-site. Spoil removal shall be tracked as an allowance. This subcontractor shall carry 650 CY of loose spoil haul-off.
- 21. <u>Backfill Walls</u> This Subcontractor shall be responsible for backfilling all footings, building foundation walls, site retaining walls and manholes. This shall be done in lifts, in coordination with the Waterproofing Subcontractor.
- 22. <u>Site Conditions</u> All other existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If Whiting-Turner is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
- 23. <u>Subsurface Conditions</u> A copy of a Geotechnical Exploration of the site is included in the Project Manual. The data is not intended as a representation or warranty of the continuity of such conditions. Owner will not be responsible for interpretation or conclusions drawn there from by the Trade Contractor. The Subcontractor may examine the site and make his own subsurface explorations at no additional cost to the Construction Manager or Owner. Notify the Construction Manager prior to making any subsurface explorations.
- 24. <u>Street Cleaning</u> The Subcontractor shall maintain a safe and clean environment of all streets and sidewalks as a result of this scope of work. This Subcontractor shall ensure that vehicles and/or equipment do not track mud, dirt or dust onto adjacent streets or sidewalks. Any mud, dirt, or dust tracked onto adjacent streets and sidewalks shall be cleaned up immediately.
- 25. This subcontractor shall be responsible for providing the vault lid access doors for the cast-in-place utility vaults to be installed by the 03A sub. This sub shall verify accuracy and quality of install prior to the lid being cast in place.
- 26. This subcontractor shall supply and install the ladders in the cast-in-place utility vaults. These should be prefab ladders and installed after concrete has cured.
- 27. This subcontractor must clean the permanent storm structures of any sediment at the conclusion of the project. (C-102 Soil Erosion Control Note 7)
- 28. This subcontractor shall provide and install magnetic marker tape for sanitary sewer lines if piping is non-metallic.
- 29. Any existing utility that is exposed during excavation but is intended to remain should be supported for the duration of excavation.

- 30. This subcontractor shall provide all utility service markers per the contract documents. This shall include electrical and telecommunication ductbank markers. Coordinate with 26A for locations and elevations.
- 31. This subcontractor shall remove existing condensate pump in steam vault and connect inlet and outlet piping for pumped discharge together.
- 32. This subcontractor to carry an allowance for \$80,000 to cover all utility tap fees. This shall include but not be limited to sanitary sewer, domestic water and KAWC to tap main in S. Limestone and provide 8" water service to fire protection vault. (U103 Note 1) This subcontractor shall meet all code and AHJ requirements for taps including having a master plumber perform the sanitary sewer tap.
- 33. <u>Stone</u> This Subcontractor shall include all woven geofabric and 8" of stone at job site equipment and pedestrian pathways. (Reference logistics plan for site roads and pathways.) This subcontractor shall freshen up pathways with new stone as necessary, at a minimum of three times at the discretion of the construction manager.
- 34. Crane Staging This subcontractor shall provide additional grading and stone as required to give access to a crane for the structural steel erection. Coordinate with 05A Subcontractor for exact location and requirements. Removal of site pathway and crane staging area will be the responsibility of this subcontractor prior to backfill and landscaping. This subcontractor shall include a stone allowance of 150CY above and beyond the requirement above for any additional stone that may be required for the crane site entrance and staging.
- 35. <u>Temporary Water Connection</u> This subcontractor shall provide and install a temporary metered water connection for used during construction activities. This will be needed specifically by the deep foundations and concrete trades so pipe sizing and volume requirements should be coordinated with said trades. All cost of temporary water usage shall be included by this subcontractor and paid either to UK or the utility company.
- 36. Emergency Exit Stair Tower—For the duration of the Administration Drive shutdown this subcontractor shall provide, install and maintain a temporary stair scaffold coming out of the student center stairwell for emergency exiting of pedestrians from the Student Center ballrooms. This is shown on page 3 of the site logistics plan. Moved to WC01B.
- 37. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - a) Add Alternate No. 2 Provide add alternate for storm structure and piping associated to Line C
- 38. 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.
- 39. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail. All activities related to the shutdown of Administration drive are

critical and dates and durations are not flexible. This subcontractor shall bid these specific activities as 50-hour work weeks (at a minimum) in order to expedite and keep these activities on track.

40. Appropriate Common Requirements:

- a) Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b) Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c) O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d) Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e) Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 31B – Deep Foundations		
Project No. Purchasing		Project Title: <u>Renew/Modernize Frazee Hall</u>
proposal fo		shall be followed exactly in submitting a , an additional copy will be furnished upon ontract Documents.
This Proposal is submitted by:		(NAME AND ADDRESS OF BIDDER)
Date:		
Telephone	<u>:</u>	
	CLERK VERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22
_		BID OPENING DATES: August 17, 2021
		TRADE CONTRACT DESCRIPTION:
RM.	322 SERVICE BUILDING	Deep Foundations
		TRADE CONTRACT NO.: 31B
LEX	(INGTON, KY 40506-0005	TIME: 3:00 P.M. E.D.T.
having care Documents Specification furnish all I accordance	efully examined the site of the sas defined in Article I of the cons affecting the work as preplabor, materials, supplies and	ation for Bids for the above referenced Project, Work, the Drawings and complete Contract General Conditions, as well as the ared by the Consultant, hereby proposes to services required to construct the Project in s, within the time set forth therein, and at the
The Bidder hereby acknowledges receipt of the following Addenda:		
ADDENDU	JM NO	DATED
	JM NO	
ADDENDU	JM NO	DATED
	number and date of any Adde	enda issued and received. If none has been

FORM OF PROPOSAL

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

- 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 B	Y		TITLE
PRINT NA	ME		FIRM
ADDRESS	S		PHONE ()
			FAX (<u>)</u>
CITY	STATE	ZIP CODE	DATE_

I hereby certify:

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

Work Category – 31B

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.

FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
		_ DOLLARS AND _		CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			
BID .	<u>ALTERNATES</u>			
<u>Add</u>	Alternate No. 1: Card Reader	s		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
		_ DOLLARS AND _	(USE WORDS)	CENTS.
	(USE WORDS)		(USE WORDS)	
(\$	(USE FIGURES)			

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Add A	Add Alternate No. 2: Terraced Seat Wall			
FOR	THE LUMP SUM OF _			
	_	(USE WORDS)	
	(USE WORDS)	DOLLARS AND(USE \	CENTS.	
	(USE FIGURES)			
Add A	Alternate No. 3: Wood F	looring		
FOR	THE LUMP SUM OF _	(USE WORDS	<u> </u>	
	(USE WORDS)	DOLLARS AND(USE \	CENTS.	
(\$	(USE FIGURES)			
Add A	Alternate No. 4: Pedestr	ian Walkway and Gatton Student C	enter	
FOR	THE LUMP SUM OF _			
		(USE WORDS)	
	(USE WORDS)	DOLLARS AND(USE	CENTS.	
(\$	(USE FIGURES)			
Add Alternate No. 5: Flat Seam Copper Roof				
FOR	THE LUMP SUM OF _			
		(USE WORDS)	
	(USE WORDS)	DOLLARS AND(USE	CENTS.	
(\$	(USE FIGURES)			

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	(80)	_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)
- 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.

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

ITEM	UNIT	COST PER UNIT
Micro Pile - rock/above rock	LF	\$
Foreman	HR	\$
Laborer	HR	\$
Probe Hole	LF	\$
Reinforcing Steel	TN	\$
		\$
		\$
		\$

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR
Reinforcing	
Concrete/Grout	

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
Drill Rig	
Mini-Ex	
Skid-Steer	

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

TRADE CONTRACT – 31B – Deep Foundations

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 31B – Deep Foundations

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:

Deep Foundations as specified in contract documents

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u>

<u>Contract Documents</u> as they pertain to this Unit of Work.

Deep Foundations

- Scope of Work It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Contract Documents. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, rigging, 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.
- 2. <u>PlanGrid License</u> 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 of Work This Subcontractor is responsible for the technique used to safely furnish and install all micro pile deep foundations work items for this scope of work. This Subcontractor is responsible for all layout of the deep foundations. All materials are the responsibility of this Subcontractor to form and create a complete deep foundation system including casings, rebar, rigs, etc. This Subcontractor shall provide the job with reliable drill rigs. Time lost due to inspections, breakdowns, waiting on materials, or broken/damaged equipment will be made up after normal work hours, or on weekends at the Subcontractor's expense. This Subcontractor has studied the Geotechnical Reports and Pre-Drilling Logs and shall supply the job with the proper equipment to effectively drill though all material that could be present. This includes but is not limited to drill rigs, drill bits, and haul off equipment. This Subcontractor is responsible for procedures and recommendations set forth in the Geotechnical Report that are not specifically stated in the Specifications. This Subcontractor is responsible for a turn-key installation including the installation and purchase of concrete and rebar.
- 4. This subcontractor shall design and install micropiles in accordance with the notes on S303 Detail C
- 5. This subcontractor shall provide compact drilling equipment to place micropiles within the existing building. The largest opening to this location is 36" wide by 96" tall. This shall also apply to the Add Alternate No. 4 micropiles at Column Line 1. There is an existing ramp to access this location that is 60" wide and should be utilized if possible, to access this location in order to avoid demolition of a major retaining wall.

- 6. <u>Basis of Bid</u> The Subcontractor shall bid all micropiles to the depth, length, and diameter as noted on the drawings. Should the depth shorten or lengthen based on unforeseen conditions, this Subcontract cost will be adjusted accordingly based on unit rates submitted during the bid process.
- 7. Protection/Dewatering The Subcontractor shall coordinate and conduct drilling and concrete placement in a way that protects existing grades, subgrades, and fills from surface water and slurry run-off. All demucking and pumping of groundwater from caissons, if necessary, is part of this work. All pumping of water will be coordinated with the site dewatering system so as not to overwhelm, damage, or generally create new issues with this dewatering process. This Subcontractor is responsible for the proper removal and disposal of any concrete (slurry) run-off in coordination with the Construction Manager.
- 8. Spoils The 31A Subcontractor shall be responsible for the removal of all spoils related to this work from the site. This subcontractor shall stockpile the spoils in a location which is agreed up by this Subcontractor, 31A Subcontractor and WT and spoils will be removed by 31A.
- 9. <u>Micropile Elevations</u> –This Subcontractor shall provide verification that all micropile locations and elevations are within tolerance prior to turn-over to 03A. Verification will be given to the Construction Manager but does not relieve this Subcontractor of its responsibility to meet established tolerances. This Subcontractor shall be required to cut off top of micropiles if poured too high. All cost of associated work will be this Subcontractor's responsibility.
- 10. <u>Survey</u> Prior to construction, the Subcontractor will have the project site staked and certified by a surveyor who is licensed in the state of Kentucky. If discrepancies between actual lines and elevations exist, notify Construction Manager before proceeding with drilling activities. This Subcontractor shall be responsible for all surveying of the site so that this scope of work may be completed. This may require multiple surveys.
- 11. <u>Utility Locations</u> This Subcontractor shall locate all existing underground utilities before disturbing any earth. Any locations within approximately 5' of existing utilities shall be exposed by hand digging or hydro-vac, in order to accurately locate the utility, prior to the drilling begins
- 12. <u>Site Conditions</u> All other existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
- 13. <u>Subsurface Conditions</u> A copy of a subsurface pre-drilling investigation of the site is included with the Contract Documents.
 - a. This Subcontractor shall make themselves aware of all existing surface conditions, underground utilities, and existing underground conditions.
 - b. This Subcontractor shall reference and make themselves aware of the Geotechnical Report (dated 12/1/2020). All findings within this report have been accounted for in this Subcontractor's price and scope of work. The data contained in these reports is not intended as a representation or warranty of the continuity of such conditions. Neither the Construction manager nor the Owner will be responsible for interpretation or conclusions drawn therefrom by the Subcontractor. The Subcontractor may examine the site and make their own subsurface explorations or drill test holes at no additional cost to the Construction Manager or Owner. This Subcontractor will notify the Construction Manager prior to making any subsurface explorations.

- 14. <u>Erosion Control</u> Perimeter erosions controls installed by others. This subcontractor shall provide any additional erosion control measures if the perimeter controls are not adequate to contain erosion caused by this scope of work. This Contractor shall replace or repair any erosion control systems damaged or removed as a result of this scope of work.
- 15. <u>Street Cleaning</u> The Subcontractor shall maintain a safe and clean environment of all streets and sidewalks as a result of this scope of work. This Subcontractor shall ensure that vehicles and/or equipment do not track mud, dirt or dust onto adjacent streets or sidewalks. Any mud, dirt, or dust tracked onto adjacent streets and sidewalks shall be cleaned up immediately to the Construction Manager's satisfaction.
- 16. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. 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.
 - Add Alternate No. 4 Provide micropile for bridge foundations
- 17. 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.
- 18. Overtime Work The Subcontractor shall perform all work within the time frames established in the Construction Schedule. The Subcontractor shall submit a plan to the Contractor before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat the schedule, along with the included number of rigs, number of days and hours per week with detail.

19. Appropriate Common Requirements:

- a) Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b) Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c) O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d) Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e) Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 32A – Landscape & Irrigation		
Project No. <u>2511.8</u> Project Title: <u>RENEW/MODERNIZE FRAZEE HALL</u> Purchasing Officer: <u>Matt Spalding</u>		
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	BID OPENING DATES: August 17, 2021 TRADE CONTRACT DESCRIPTION: Landscape & Irrigation	
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: 32A 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. ADDENDUM NO. ADDENDUM NO. ADDENDUM NO.	DATED 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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)			
	DOLLARS AND _		CENTS.
(USE WORDS)		(USE WORDS)	
(\$) (USE FIGURES)			
BID ALTERNATES			
Add Alternate No. 1: Card Reade	rs		
FOR THE LUMP SUM OF			
	(USE	WORDS)	
(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$) (USE FIGURES)			

<u>Add</u>	Alternate No. 2: Terraced Sea	at Wall		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	_ DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 3: Wood Flooring	ng		
FOR	THE LUMP SUM OF	(1105	WORDS)	
		`	,	
	(USE WORDS)	_ DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 4: Pedestrian W	/alkway and Gatton S	tudent Center	
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	_ DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam Co	opper Roof		
FOR	THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	_ DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			

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)
- 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.

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

ITEM	UNIT	COST PER UNIT
Sod (laid and watered)	SF	
Trees (planted & staked)	EA	
Shrubs (planted)	EA	
Plantings (planted)	EA	
Mulch (placed)	CY	
Topsoil (placed)	CY	
Laborer	HR	
Foreman	HR	

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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		
SUPE	RINTENDENT		
projec	ordance with Article 17 of the General Conditions a full-time superintendent will be required on this t. Below, please list the superintendent your firm will employ on this project. The successful Bidder required to furnish a resume of the superintendents' qualifications and or past projects.		
List the	e Superintendent's Name		

Revised 3/22/06

TRADE CONTRACT - 32A - LANDSCAPE & IRRIGATION

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 32A – Landscape & Irrigation

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 relate to the Landscape & Irrigation scope of work.

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u> <u>Contract Documents</u> 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. <u>PlanGrid License</u> 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. <u>Landscape</u> This Subcontractor shall furnish and install ALL landscape materials and components shown or called out for in the Construction Documents including, but not limited to, filling materials, irrigation systems, drainage board, soil testing, plant selections, felt fabric, planting or top soil, bedding, plantings, mulches, composts, light weight planting medium, gravel or decorative rock, turf, sod, shrubs, trees, soil amendments, existing lawn re-conditioning, sub drainage, maintenance period, and all necessary materials for a comprehensive installation in strict compliance with the Contract Documents.
- 4. This subcontractor shall replace all sod, mulch and landscaping that has been disturbed at the location of the temporary walkway that is installed adjacent to Administration Drive. Extents of the walkway is shown on page 1 of the site logistics plan.
- 5. <u>Steel Edging</u> This Subcontractor will furnish and install steeling edging around all planting beds and as shown in the contract documents.
- 6. <u>Layout</u> –This Subcontractor shall provide all additional surveying, engineering, field dimensions, and layout as necessary to complete his work. The layout of this work shall be coordinated with the work of other trades. All work shall be laid out far enough in advance that any discrepancies or conflicts can be resolved without

delaying the overall work. Any such discrepancies shall be reported to the Construction Manager in writing (requesting written clarification) prior to proceeding.

- 7. <u>Irrigation</u> This subcontractor shall be responsible for all irrigation as required by the contract documents. Sleeves below hardscapes will be installed by others. This shall include all piping, fittings, wiring, valves, decoders, valve boxes, spray heads, rotors, drip lines and other accessories required for a complete irrigation scope of work. Irrigation devices must be RainBird to match existing student center system. This subcontract shall provide all rerouting and tie-in to existing system as required to provide a fully functioning system. This subcontractor shall flush all lines prior to installing nozzles.
- 8. Coordination & Sequencing At the beginning of this project, this subcontractor shall be responsible for isolating the zones with-in the construction limits. This will require the subcontractor to cut and cap the existing PVC line and associated controls conduit/wiring. The existing pipe/conduit shall be protected with a weatherproof box and the wires must be protected with an approved waterproof splice kit. This shall be done at two locations, at the "plan west" of the site on IR101 and at the student center on the "plan east" of IR101. A metallic junction box can be used inside the student center for protecting wiring where they are cut and capped. Once the piping is capped inside the student center, this subcontractor shall grout and seal existing penetrations through the student center wall. At the point of connection inside the student center building, this subcontractor shall be responsible for running piping and controls conduit and wiring inside the building and coring the existing retaining wall to new stub-out location. This subcontractor shall properly seal penetrations to be weathertight.
- 9. <u>Training</u> This subcontractor shall provide re-training to the owner/operator on the new irrigation system.
- 10. Existing Soil Condition It is the responsibility of this Subcontractor to examine, test, and investigate the existing soil conditions to identify his materials source compliance.
- 11. <u>Necessary Items for Completion</u> The Subcontractor will provide all items necessary for a complete and total turnkey landscaping package, including compliance with requirements of the Contract Documents, applicable codes, and governing authorities.
- 12. <u>Weather</u> Subcontractor shall proceed with his work only when weather conditions will permit the materials to be installed in accordance with those recommendations.
- 13. <u>Quality Control/ Quality Assurance</u>— Demonstrate the required qualifications, license, tests, and certifications for manufacturer and suppliers as stipulated indicated in project specifications. Subcontractor is to conduct the required tests by hiring a third party approved testing agency (as required) for material and installation tests per the contract documents.
- 14. <u>Surface Protection</u> Subcontractor is to provide the proper protection for the landscape varies layers including, filling materials, topsoil, planting medium, roots of trees, etc. It is the responsibility of this subcontractor to protect each of landscape layers from weather conditions, erosion, traffic abuse, etc.
- 15. <u>Maintenance</u> This Subcontractor will provide maintenance services for all landscaping work included in this scope of work as well as for the new zones of the irrigation system. This will include winterizing the system during the first year. This maintenance period shall begin upon the date of substantial completion.
- 16. Mobilizations This Subcontractor has included multiple mobilizations to complete this work.
- 17. Trees This Subcontractor shall provide and install all tree staking and gator bags as required by the contract

documents.

- 18. <u>Fertilizer</u> This Subcontractor shall provide and install fertilizer and fertilizer tablets as required by the contract documents
- 19. Grading This subcontractor shall be responsible for fine grading and final grading for all landscaping areas.
- 20. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.
- 21. <u>Traffic Control</u> 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.
- 22. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

23. Appropriate Common Requirements:

- a. Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, etc. as required by contract specifications and Whiting-Turner Project Manager
- b. Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c. O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d. Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e. Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL RENEW/MODERNIZE FRAZEE HALL

Subcontract 32B – Hardscape		
Project No. <u>2511.8</u> Project Title: <u>Renew/Modernize Frazee Hall</u> Purchasing Officer: <u>Matt Spalding</u>		
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:		
Date:	(NAME AND ADDRESS OF BIDDER)	
Telephone:		
TO: BID CLERK UNIVERSITY OF KENTUCKY	INVITATION TO BID: CCK-2561-22	
CAPITAL CONSTRUCTION PROCUREMENT	BID OPENING DATES: August, 17, 2021 TRADE CONTRACT DESCRIPTION:	
RM. 322 SERVICE BUILDING	Hardscape	
411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	TRADE CONTRACT NO.: 32B 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);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2561-22</u> 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 B	Υ		TITLE
PRINT NA	ME		FIRM
ADDRESS	<u> </u>		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(USE WORDS	CENTS.
(\$(USE FIGURES)	_)	
BID ALTERNATES		
Add Alternate No. 1: Card R	Readers	
FOR THE LUMP SUM OF	(USE WORDS)	
(USE WORDS)	DOLLARS AND(USE WORDS	CENTS.
(\$(USE FIGURES)	_)	

<u>Add</u>	Alternate No. 2: Terraced Se	eat Wall		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND		CENTS.
	(USE WORDS)	<u> </u>	(USE WORDS)	
(\$	(USE FIGURES)			
Add	Alternate No. 3: Wood Floor	ing		
FOF	R THE LUMP SUM OF			
1 01	(THE LOW! GOW! OF	(USE	WORDS)	
		DOLLARS AND		CENTS
	(USE WORDS)		(USE WORDS)	OENTO.
(\$	(USE FIGURES)			
	Alternate No. 4: Pedestrian	Malkway and Gatton S	tudent Center	
Auu	Alternate No. 4.	Walkway and Gallon S	tudent Center	
FOF	R THE LUMP SUM OF	(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)			
<u>Add</u>	Alternate No. 5: Flat Seam 0	Copper Roof		
FOF	R THE LUMP SUM OF			
		(USE	WORDS)	
	(USE WORDS)	DOLLARS AND _	(USE WORDS)	CENTS.
(\$	(USE FIGURES)		·	

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	(80)	_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)
- 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.

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

ITEM	UNIT	COST PER UNIT
Sidewalk Paving	SF	
Asphalt Paving	SF	
Concrete Site Wall	CY	
Stainless Steel Hand Rails	LF	
Aluminum Hand Rails	LF	
Foreman	HR	
Laborer	HR	

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:

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

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

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

Revised 3/22/06

TRADE CONTRACT - 32B - HARDSCAPE

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 32B – Hardscape

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 Hardscape scope of work.

***Note: This Subcontractor is responsible for the requirements of the <u>complete</u> <u>Contract Documents</u> 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.
- 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. <u>Hardscape</u> This Subcontractor shall furnish and install all hardscape materials and components in strict compliance with the Contract Documents including but not limited to the following:
 - Sidewalks (C-104 Notes 1, 2 & 14)
 - Stairs (C-104 Notes 3 & 8) (Includes new concrete stairs at existing entry at plan south. See A532)
 - Concrete for seat walls (C-104 Note 6)
 - Concrete for site retaining walls (C-104 Note 7)
 - Surface and Wall Mounted Railings (C-104 Note 4 & 5)
 - Aluminum railings at existing building entrances (A531 & A532)
 - Salvaged Paver Installation (C-104 Note 12)
 - New Pavers (LH100)
 - Concrete ribbon curb (LH101 & LH501)
 - Asphalt paving repair including all milling and repaving (LH100)
 - Replacing curb and gutter where impacted during construction (LH100)

This scope excludes the three window wells. (C-104 – Notes 9, 10, 13)

4. <u>Concrete</u> – This Subcontractor shall provide all concrete material. This Subcontractor shall also include all equipment and labor to pump the concrete into place including associated clean up, transport concrete to the

pouring area, wheelbarrow, buggies, and mobile pump. This includes a minimum of one man per truck when conducting pours. This Subcontractor shall coordinate with the Owner's testing agency as required per the Specifications; this includes, but is not limited to, providing proper cylinders, curing sheds, and test boxes per applicable ASTM sections or as needed. Any additional cylinder breaks requested by this Subcontractor will be paid for by this Subcontractor. In the event that a test should fail, this Subcontractor shall either remove and replace the represented work, or repair the represented area as directed by the Structural Engineer and Architect. All cost associated with additional testing and rework shall be the responsibility of this Subcontractor.

- When pouring, subcontractor will notify the construction manager a minimum of 48 hours prior to any pour.
- All related material to concrete such as curing compound; heated blankets, sealants, etc. are the responsibility of this subcontractor.
- Subcontractor will be responsible of the concrete retaining walls shown in the landscape drawings including shoring, formwork, placing concrete, curing, etc.
- Saw-cutting Saw-cutting required by the Contract Documents shall be the responsibility of this
 Subcontractor. Construction joints shall be made according to the construction documents. This
 Subcontractor shall ensure that the work area shall remain clean of dust, concrete waste, excess water,
 and any other debris caused by the saw cutting process.
- This Subcontractor is responsible for providing or building a concrete washout station, including regular
 maintenance and cleanout. This includes the removal there of once this scope of work has been
 completed.
- 5. <u>Misc. Metals</u> Furnish and install all miscellaneous metal items such as handrail and guardrail associated with hardscape and at the exterior entrances. This excludes glass guardrail which will be provided by 08B.
- 6. <u>Unit Pavers</u> Furnish and install all unit pavers including all re-used and new unit pavers with the associated subbase, setting bed, adhesives, sand joint filler, etc. necessary for a complete system in accordance with the Contract Documents. This Subcontractor will protect paver work from damage and traffic until final acceptance.
- 7. <u>Asphalt Paving</u> All asphalt paving, striping, and asphalt signage shall be by this subcontractor. This subcontractor shall Curb & gutter specifically for asphalt is also by others.
- 8. This subcontractor shall provide a concrete washout dumpster for the washout of concrete trucks for this scope of work.
- 9. This subcontractor shall be responsible for striping of parking spaces and crosswalk on asphalt and painting of curb to match existing
- 10. This subcontractor shall install all irrigation sleeves under sidewalks, pavers and through site retaining and seat walls. Coordinate sizing of sleeves with irrigation plans. (IR101)
- 11. This subcontractor shall provide and install all control joints, expansions joints, water stops and joint sealants for hardscaping.
- 12. This subcontractor shall provide and install all base layers for hardscape to include geotextile filter fabric, stone, compacted washed stone, stone aggregate, DGA, etc.
- 13. This subcontractor shall provide and install all reinforcement as required for all hardscaping to include but not

limited to the following: rebar, wire mesh, WWF, etc.

- 14. This subcontractor shall provide and install ADA ramps including detectable warning surface.
- 15. Necessary Items for Completion The Subcontractor agrees that the intent of this Subcontract is to provide all items necessary for a complete and total job, including compliance with requirements of applicable codes and governing authorities.
- 16. 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.
- 17. Overtime Work This Subcontractor shall perform all work within the time frames established in the Construction Schedule. This Subcontractor shall submit a plan to the Construction Manager before beginning work outlining his means and methods for completing work within the time frames established. The plan shall show required daily production rates, methods for monitoring actual daily production and a detailed contingency plan outlining how lost time will be made up (including time lost due to normal seasonal weather). This plan will show durations to meet or beat schedule that included crew size, number of crews, number of days and hours per week with detail.

18. Appropriate Common Requirements:

- Submittals Subcontractor will in a timely and expedient manner provide submittals, drawings, mock-ups etc. as required by contract specifications and Whiting-Turner Project Manager
- b) Warranties Subcontractor will provide all required warranties as called out in contract documents and specifications.
- c) O&M documentation Subcontractor will provide all required Operation & Maintenance as called out in contract documents and specifications.
- d) Permits and inspections this Subcontractor will provide for all permits and inspections as required to complete this scope of work. Additionally, Subcontractor will endeavor to inform Whiting-Turner of any permit requirements that may be beyond this Subcontractor's ability to acquire.
- e) Safety Subcontractor will adhere to all Federal, State, Local, University, and Whiting-Turner Safety requirements as set forth in all applicable law and project documents. Additionally, Subcontractor will adhere to all safety directives and practices as may be issued from time to time by Whiting-Turner personnel.
- 19. <u>Alternates</u> 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 alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0.

END OF SPECIFIC SCOPE



PROJECT NAME	PROJECT NO.
University of Kentucky	11396-00
2511.8 Renew/Modernize Facilities	
(Frazee Hall)	
CONTRACTOR	DATE OF INSTRUCTION
Whiting-Turner	August 10, 2021
OWNER	DOCUMENT NUMBER
University of Kentucky	Addendum #2

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 159 pages, and the attachments listed below, all with a revision date of 8/10/21, 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. Substitution requests
- 3. Coordination items between disciplines.
- 4. Clarification items.

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

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

Section #:	Title	Date
00 01 10	TABLE OF CONTENTS	August 10, 2021
00 01 15	DRAWING INDEX	August 10, 2021
01 23 00	ALTERNATES	August 10, 2021
07 31 26	SLATE SHINGLES	August 10, 2021
07 57 00	COATED FOAMED ROOFING	August 10, 2021
07 72 00	ROOF ACCESSORIES	August 10, 2021
07 92 00	JOINT SEALANTS	August 10, 2021
07 95 13	EXPANSION JOINT COVER ASSEMBLIES	August 10, 2021
08 51 13	ALUMINUM WINDOWS	August 10, 2021
08 80 00	GLAZING	August 10, 2021
09 21 00	PLASTER	August 10, 2021
10 14 00	SIGNAGE	August 10, 2021
10 22 19	DEMOUNTABLE PARTITIONS	August 10, 2021

269 West Main Street, Suite 500 Lexington, KY 40507 877-929-1400 lordaecksargent.com



10 28 00 14 21 00	TOILET, BATH, AND LAUNDRY ACCESSORIES ELECTRIC TRACTION ELEVATORS	August 10, 2021 August 10, 2021
23 09 50	VARIABLE FREQUENCY DRIVES FOR HVAC EQUIPMENT	August 10, 2021
31 65 13	ROCK ANCHORS	August 10, 2021
MODIFICATIONS TO THI	E DRAWINGS	
Sheet#:	Title	Date
GENERAL		
G001	COVER SHEET	8/10/21
	 New drawings added to list of drawings 	
G002	KEYNOTE LIST / SYMBOLS/ LEGENDS / GENERAL NOTES	8/10/21
	Alternate #5 added	
	Edited language of Alternate #3	
CIVIL		
C-105	SITE GRADING PLAN	8/10/21
	 Base Bid Grade Detail and General Note #4 were added to address design modifications. 	
STRUCTURAL		
S104	SPECIAL INSPECTIONS	8/10/21
	 Revised title of Rock Anchor section 	
S200	FOUNDATION PLAN	8/10/21
	Revised slab on grade detailsFixed tag note arrow	
	 Revised pile cap elevations and deleted piers 	
	Revised tag note 16	
	 Added tag notes 17, 18, 19, and 20 	
	 Added tag note 5 instance Added and revised dimensions 	
	Cleaned up grid extents graphically	
	Added box note regarding Add Alternate #3	
	Revised plan note 1	
S201	FIRST FLOOR FRAMING PLAN • Revised plan note 1	8/10/21
	Added beam size and elevation at Stair B	
	Revised Stair B landing framing	
	Revised Stair A landing framing Added by a big a send of the	
	 Added blocking and straps around perimeter of existing building 	
	Revised beam sizes in plan blowup B/S201	
S202	SECOND FLOOR FRAMING PLAN	8/10/21



S203	 Revised plan note 1 Revised beam sizes at Stair B Revised Stair B landing framing Revised Stair A landing framing Added blocking and straps around perimeter of existing building THIRD FLOOR FRAMING PLAN	8/10/21
	 Revised plan note 1 Revised beam sizes at Stair B Revised Stair A landing framing Added blocking and straps around perimeter of existing building 	
S204	 ROOF FRAMING PLAN Revised plan note 1 Added blocking and straps around perimeter of existing building 	8/10/21
S301	TYPICAL FOUNDATION DETAILS	8/10/21
S303	TYPICAL FOUNDATION DETAILS Revised notes in detail B Revised notes in detail C Revised rebar in schedule and in section in detail D Revised dimensions in P2 pier in detail E	8/10/21
S304	 FOUNDATION SECTIONS Shifted waterstop, added a dimension, and added a note in section A Added note and rebar note to section B 	8/10/21
S305	 FOUNDATION SECTIONS Revised rebar in section A Revised rebar in section B Added dimension in section C Added V-joint and chamfer and corrected top rebar mat in section D Added section E 	8/10/21
S402	TYPICAL FRAMING DETAILS	8/10/21
S406	 Revised Type V connection detail and MC5 details FRAMING SECTIONS Revised kicker details in section G Clarified dimension in section J Deleted headed studs and revised weld in section K 	8/10/21
S407	FRAMING SECTIONS Revised welds and added headed studs in section H Revised notes in section J	8/10/21



S408	FRAMING SECTIONS		
0.400	Added section G	0/40/04	
S409	FRAMING SECTIONS	8/10/21	
	 Revised connections in sections J and K 		
S410	 FRAMING SECTIONS Revised beam sizes and elevations in plan detail A Added section cuts to plan detail A 	8/10/21	
S601	 PEDWAY TRUSS DETAILS Revised welds in elevations A and B Added dimension to elevation A 	8/10/21	
S602	PEDWAY TRUSS DETAILS	8/10/21	
	Revised size in section B		
ARCHITECTUR	RAL		
AD100	GROUND FLOOR DEMOLITIION PLAN	8/10/21	
	Additional slab removal for Alternate #3		
A100	GROUND FLOOR – PLAN	8/10/21	
	 Extents of new utility pit at Mechanical Room New grate in new concrete slab at Mechanical Room Dimensions added to locate grids Dimensions updated to locate grids 		
A101	FIRST FLOOR - PLAN	8/10/21	
	Room Name and Numbers added for Closets 112B and 112	2C	
A103	THIRD FLOOR - PLAN	8/10/21	
	Interior elevation view H1 added at Hall 300GInterior elevation view H7 added at Hall 300D		
A105	ROOF PLAN	8/10/21	
	Note 3 removed from roof plan drawing.Note 3 updated to NOT USED in sheet notes.		
A106	ROOF PLAN – ALTERNATE 5	8/10/21	
	Sheet added		
A111	ENLARGED PLANS	8/10/21	
	Dimensions added to locate gridsDimensions updated to locate grids		
A531	EXTERIOR DETAILS – NORTHWEST ENTRY	8/10/21	
	 New Entry light fixtures updated to match scheduled fixture 		
A532	EXTERIOR DETAILS – SOUTHWEST ENTRY	8/10/21	
	New Entry light fixtures updated to match scheduled fixture		
A601	DOOR ELEVATIONS, DETAILS & SCHEDULE	8/10/21	



	 Widths at doors 301, 303 and 305 updated to 3'-0" 			
A611	GROUND FLOOR – INTERIOR ELEVATIONS 8/10			
	Demountable partition panel type keynotes added			
A612	GROUND FLOOR – INTERIOR ELEVATIONS			
	Demountable partition panel type keynotes added			
A613	FIRST FLOOR – INTERIOR ELEVATIONS			
	Demountable partition panel type keynotes added			
A615	SECOND FLOOR – INTERIOR ELEVATIONS			
	 Demountable partition panel type keynotes added 			
	 Dimensions added for glazing film locations 			
A616	SECOND FLOOR – INTERIOR ELEVATIONS	8/10/21		
	 Demountable partition panel type keynotes added 			
A618	THIRD FLOOR – INTERIOR ELEVATIONS	8/10/21		
	 Demountable partition panel type keynotes added 			
A619	THIRD FLOOR – INTERIOR ELEVATIONS	8/10/21		
	Demountable partition panel type keynotes added			
	 HALL 300G Interior Elevation added HALL 300D Interior Elevation added 			
A700	INTERIOR FINISH LEGEND	8/10/21		
7.1.00	Student Center Finishes updated	0, 10, = 1		
A740	SIGNAGE SCHEDULE 8/10			
70	First Floor Closets added to schedule with signage type.	0, 10, = 1		
	 All single-user Restrooms changed to sign type F in schedule. 			
	Moved sign type E.			
	Added sign type F.			
	Added sign type G.			
UTILITIES	OLTE LITULTIES BLANL EAST	0/40/04		
U100	SITE UTILITIES PLAN - EAST	8/10/21		
	 Coded note 24: Provide lightning protection at data cables where they enter the building and transition to indoor rated cabling at that point. 			
U101	SITE UTILITIES PLAN – WEST			
	 Coded note 18: Provide lightning protection at data cables where they enter the building and transition to indoor rated cabling at that point. 			
MECHANICAL				
IC503	INSTRUMENTATION AND CONTROLS	8/10/21		
	 Remove note 1.8 under "Miscellaneous Items". There will be no blue light control on this building. 	•		



ELECTRICAL GROUND FLOOR - LIGHTING PLAN E100 8/10/21 Update to note on single-user restroom door occupancy lights. Multi-user restroom doors are not to have occupancy light. E101 FIRST FLOOR - LIGHTING PLAN 8/10/21 Update to note on single-user restroom door occupancy lights. Multi-user restroom doors are not to have occupancy light. SECOND FLOOR - LIGHTING PLAN E102 8/10/21 Update to note on single-user restroom door occupancy lights. Multi-user restroom doors are not to have occupancy light. E103 THIRD FLOOR - LIGHTING PLAN 8/10/21 Update to note on single-user restroom door occupancy lights. Multi-user restroom doors are not to have occupancy light. E307 THIRD FLOOR - SECURITY PLAN 8/10/21 Delete bid alternate card reader and associated base bid box / cabling to door for Copy Room 314. E400 ELECTRICAL DISTRIBUTION SYSTEM RISER DIAGRAM 8/10/21 Update to distribution riser to reflect final naming and location of Panel "E3" located in Elevator Machine Room 320. Instructions by Kelly Gawinek Attachments Substitution Request Memo – lists substitution requests received

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- E000 ELECTRICAL LEGEND AND GENERAL NOTES
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- E500 ELECTRICAL DETAILS

IRRIGATION

IR101 IRRIGATION PLAN IR601 IRRIGATION DETAILS

END OF SECTION

SECTION 01 23 00 - ALTERNATES

PART 1 GENERAL

1.01 SCHEDULE OF ALTERNATES

- A. Alternate No. [1] -- Card Readers.
 - As part of the base bid, a total of 70 doors will be receiving conduit/infrastructure required
 for card readers while only 16 doors will be receiving the coordinating low voltage cabling
 and card reader hardware. Provide an ADD ALTERNATE for the remaining 54 doors to
 also include low voltage cabling and card readers. Refer to Door Schedule for more
 information.
- B. Alternate No. 2 -- Terraced seat walls.
 - 1. Provide an ADD ALTERNATE for terracing and seat walls shown on the South lawn. Site light poles shown on plans to remain as part of the base bid. Refer to Civil and Landscape drawings and Architectural Site Plan for more information.
- C. Alternate No. 3 -- Wood flooring.
 - 1. Provide an ADD ALTERNATE for hardwood floors in lieu of engineered wood. 3/4" sleepers to be included under 3/4" hardwood flooring on slab on deck. Raise the S5.0 slab on deck 1.5" to accommodate engineered wood floor and reduce S6.5 slab on deck to S5.0 as part of the base bid. Remove additional area of ground floor slab to accommodate depressed slab for sleepers and hardware flooring.
- D. Alternate No. 4 -- Pedestrian Walkway and Gatton Student Center.
 - Provide an ADD ALTERNATE for the Pedestrian Walkway connector to the Student Center, including all structure and foundations. The Pedestrian Walkway extends from tiein location at grid 5 on Level 3 through the Gatton Student Center to Harris Ballroom Lobby. All work shown within the Harris Ballroom Storage is also included in this Alternate.
- E. Alternate No. 5 Flat Seam Copper Roof.
 - 1. Provide an ADD ALTERNATE for flat-seam copper roofing on Frazee Hall at the flat portion of the roof.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 07 31 26 - SLATE SHINGLES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Slate roofing shingles.
- B. Water-resistant underlayment.
- C. Metal roof flashing.
- D. Fasteners and accessories.

1.02 REFERENCE STANDARDS

- A. ASTM B370 Standard Specification for Copper Sheet and Strip for Building Construction; 2012 (Reapproved 2019).
- B. ASTM C406/C406M Standard Specification for Roofing Slate; 2015.
- C. ASTM C920 Standard Specification for Elastomeric Joint Sealants; 2018.
- D. ASTM C1311 Standard Specification for Solvent Release Sealants; 2014.
- E. ASTM D226/D226M Standard Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing; 2017.
- F. ASTM D1970/D1970M Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection; 2019.
- G. ASTM D2626/D2626M Standard Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing; 2004, with Editorial Revision (2012).
- H. ASTM D4586/D4586M Standard Specification for Asphalt Roof Cement, Asbestos-Free; 2007 (Reapproved 2018).
- I. ASTM E96/E96M Standard Test Methods for Water Vapor Transmission of Materials; 2016.
- J. AWPA U1 Use Category System: User Specification for Treated Wood; 2018.
- K. ICC-ES AC188 Acceptance Criteria for Roof Underlayments; 2012, with Editorial Revision (2015).
- L. CDA A4050 Copper in Architecture Handbook; Copper Development Association, Inc.; current edition.
- M. SMACNA (ASMM) Architectural Sheet Metal Manual; Sheet Metal and Air Conditioning Contractors' National Association; 2021.
- N. The Slate Book, How to Design, Specify, Install, and Repair a Slate Roof, Stearns, Brian Sterns, Aland and Meyer, John, 1998.
- O. NRCA (RM) The NRCA Roofing Manual; 2019.

1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. No work will begin until all submittals have been recieved received and approved and Pre-Construction Conference has been completed.
- C. The Pre-Construction Conference will not be scheduled until submittals have been submitted and approved.
- D. Product Data: Manufacturer's data sheets on slate roofing, including material characteristics, application limitations, and recommendations for installation.
- E. Shop Drawings: Details for specially configured metal flashing, joint configurations, and flashing locations.
- F. Warranty: Submit installer's warranty and ensure that forms have been completed in Owner's name.

- G. Samples for verification: For the following products, of sizes indicated, to verify color selected:
 - 1. Slate Shingle: Full size, of each color, texture and shape.
 - 2. Ridge Cap: 12 inch (305mm) long sample.
 - 3. Fasteners: Three fasteners of each type, length and finish.
 - 4. Exposed Valley Lining: 12 inches (305mm) square.
- H. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - a. Slate Shingles: 100 sq. ft (9.3 sq. m) of each type and color, in unbroken bundles.

1.04 QUALITY ASSURANCE

- A. Source Limitations: Obtain slate required for this project from one quarry with adequate resources to assure consistent quality and appearance for the project.
- B. Installer Qualifications: Company specializing in installing slate roofing, with at least 3 years of documented experience.
- C. Pre-Construction Conference:
 - Before roofing work. including associated work, is performed, the Contractor will hold a Pre-Construction Conference to review the following:
 - a. The drawings and specifications.
 - b. Procedure for onsite inspection and acceptance of the roofing substrate and pertinent structural details relating to the roofing system.
 - c. Contractor's plan for coordination of the work of the various trades involved in providing the roofing system and other components secured to the roofing.
 - d. Safety requirements.
 - 2. The Pre-Construction Conference shall be attended by the Contractor and personnel directly responsible for the installation of roofing, flashing and sheet metal work, representative of the roofing materials manufacturer and all related sub-contractors. Conflicts among thsoethose attending the Pre-Construction Conference shall be resolved and confirmed in writing before roofing work, including associated work, is begun.

1.05 MOCK-UPS

- A. Provide a mock-up for evaluation of overall installed appearance.
 - 1. Apply slate shingles to specified pattern in location designated by Architect.
 - 2. Minimum size of mock-up is 100 sq ft.
 - 3. Do not proceed with remaining work until workmanship and overall appearance and pattern are approved by Architect.
 - 4. Demonstrate both ridge and field in mock-up.
 - 5. Approved mock-up may remain as part of the completed work.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shingles to project site in fabricator's unopened crates or cartons, clearly labeled and identified.
- B. Handle shingles to avoid chipping, breakage, soiling, or other damage. Protect edges with wood or other cushioning and protective material.
- C. Stack skids and slate cartons to distribute weight evenly and to avoid breakage or cracking.
- D. Immediately prior to installation, distribute stacked slate shingles on roof to facilitate installation and to avoid overloading roofing substrate.

1.07 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Provide warranty against defective materials and workmanship, including related metal flashings, for a period of 10 years after final acceptance. Provide for replacement of defective work at no additional cost to Owner.

- C. Special Warranty: Standard form in which manufacturer agrees to repair or replace slate roof tiles that fail in materials within specified warranty period.
 - 1. Materials-Only Warranty Period: 75 years from date of Substantial Completion.

1.08 PERFORMANCE REQUIREMENTS

- A. Roofing System Design: Provide a roofing system that is identical to systems that have been successfully tested by a qualified testing and inspecting agency to resist uplift pressure calculated according to ASCE 7 and Factory Mutual Global (FMG) for a partially enclosed building in EposureExposure C.
 - 1. Slate Roof Sections
 - a. Corner Uplift pressure: 70 lbf/sq. ft.
 - b. Perimeter Uplift Pressure: 65 lbf/sq. ft.
 - c. Field-of-Roof Uplift Pressure: 50 lbf/sq. ft.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Slate Shingles:
 - 1. Vermont Slate Company, LLC: www.vermontslateco.com/#sle.
 - 2. Buckingham Slate Company.
 - 3. Black <u>Diagmond Diamond</u> Slate: www.blackdiamondslate.com.
 - 4. Substitutions: See Section 01 60 00 Product Requirements.

2.02 ROOFING MATERIALS

- A. Slate Shingles: Hard, dense, sound rock, free of ribbons.
 - 1. Type: Traditional; drilled or punched with two nail holes per shingle, located for headlap as specified under installation.
 - 2. Classification: Grade S1, expected service life over 75 years, complying with ASTM C406/C406M.
 - 3. Texture: Smooth.
 - 4. Thickness: 1/2 inch, nominal at eave to 1/4 inch at ridge, the percentage of each thickness to match existing. The thicknesses shall be intermingled in the various courses, modulating from the heavier and thicker slates in the lower courses of the roof to the thinner slates at the ridge.
 - 5. Length: Graduate from 12-18 inches, random (1/2" thick) at eave to 14 inches random (1/4" thick) at ridge, nominal.
 - 6. Width: 6 inch, nominal. Random, ranging from 6 to 12 inches.
 - 7. Butt Shape: Standard square cut.
 - 8. Cut Butt Shape: Standard square cut.
 - 9. Color: Unfading, color to match Architect's sample.as selected by Architect from manufacturer's standard range.
 - 10. Slates to be applied with standard 75 mm / 3 inch head lap.
 - 11. Starter Slate: Slate shingles with chamfered nail holes front-side punched.
 - a. Length: Exposure of slate shingles plus head lap.
- B. Underlayment: ASTM D226/D226M, Type II No. 30 asphalt felt.
- C. Underlayment: Self-adhering polymer-modified sheet; 40 mil total thickness; with strippable siliconized release film on bottom side and slip resistant and UV-stable facing on top side.
 - 1. Water Vapor Permeance: 30 perm, when tested in accordance with ASTM E96/E96M Procedure A (desiccant method).
 - 2. Manufacturers:
 - a. W. R. Grace & Co.; Product Grace Ice and Water Shield HT..
- D. Eave Protection Membrane: Self-adhering polymer-modified asphalt sheet complying with ASTM D1970/D1970M; nominal total thickness of 40 mil, 0.040 inch; with strippable release paper and polyethylene sheet top surface.

2.03 FLASHING MATERIALS

A. Flashing: ASTM B370 copper, cold rolled, 16 oz/sq ft.

2.04 ACCESSORIES

A. Attachment Members:

- Material: Pressure preservative treated wood complying with AWPA U1 Use Category UC3B, Commodity Specification A (Treatment C2) using waterborne preservative to 0.25 lb/cu ft retention.
- 2. Nailers: Nominal 2 inch wide by 1 inch thick members, or thickness as required for specific conditions.
 - a. Fastener pull-test to be performed to confirm compliance with wind-up lift requirements.
- 3. Cant Strips: Beveled strips, nominal size as indicated, nominal 48 inches long and spaced nominal 1/2 inch apart at ends for drainage.
- B. Nails: Slater's large-headed copper or stainless steel ring shank nails, length not less than twice slate thickness plus 1 inch, or long enough to penetrate completely through roof sheathing.
 - 1. For underlayments use fasteners driven through metal discs or one-piece composite fasteners with heads not less than one inch in diameter or one inch square with rounded or 45-degree tapered corners.
 - For fasteners securing underlayments, metal items to masonry walls and vertical surfaces:
 Hardened stainless steel with flat heads, diamond shaped points and mechanically
 deformed shanks not less than en einchone inch long. Use power driven fasteners only
 when approved in writing.
- C. Plastic Cement: ASTM C1311 one-part non-sag polymerized butyl sealant.
- D. Primer: ASTM D41/D 41M.
- E. Sealant: ASTM C920 low-modulus silicone joint sealer.
- F. Metal Ridge and Hip Accessories: As indicated on drawings, same material as exposed flashings.
- G. Ridge Cap: Custom-fabricated copper covers with copper, stainless steel or brass components.
 - 1. Type: Cap, nonventilating.
 - 2. Metal Components: Copper, 20-oz/sq. ft.- (0.7-mm) thick sheet.
 - 3. Accessories: Splices, end caps and other accessories of matching metal and finish.
- H. Wood Nailer Strips and Eave Cants: Comply with requirements in Division 06.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that roofing accessories and roofing penetrations are complete and properly flashed.
- B. Verify that roof openings are correctly framed.
- C. Verify that roof deck surfaces are dry and free of ridges, warping, and voids.
- D. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- E. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Coordinate Coordinate the work with otehrother rades trades to assure those components, which are to be secured and flashed into the roof system, are available and that flashing and counter flashings are installed as work progresses.

- B. Ensure at all locations that the existing underlayment, the new waterproof underlayment, the thermoplastic membrane and the sheet metal are all installed sequentially in a watersheddingwater shedding fashingflashing.
- C. Prepare deck surfaces using methods recommended by the shingle manufacturer for achieving the best roofing results under prevalent project conditions.
- D. Broom clean roof deck thoroughly prior to beginning installation.

3.03 INSTALLATION

- A. Install slate shingle roofing system in accordance with manufacturer's instructions and NRCA (RM) applicable requirements.
- B. Sheet Metal Flashing: Install flashing as indicated and as required by project conditions.
 - 1. Install flashing at each location where slate roof intersects other roofs, walls, parapets, chimneys, ventilators, and similar projections.
 - 2. Install drip edge flashing at eaves and gable ends prior to installing underlayment.
 - 3. Install metal ridge cap in accordance with NRCA details and recommendations.

C. Underlayment:

- 1. Install underlayment over entire deck surface. Apply additional layer of underlayment not less than 36 inches wide at valleys.
- 2. Prime concrete and masonry surfaces to receive self-adhering sheet underlayment.
- 3. Install, wrinkle free, on roof deck. Comply with low-temperature installation restrictions of underlayment manufacturer if applicable. Install over entire deck, lapped in direction to shed water. Lap sides not less than 3-1/2 inches (89 mm). Lap ends not less than 6 inches (152 mm), staggered 24 inches (600 mm) between courses. Roll laps with roller. Cover underlayment within seven days.
- 4. Sidewalls: Return vertically against sidewalls not less than 4 inches (100 mm).
- 5. Dormers, Chimneys, Skylights and Other Roof-Penetrating Elements return vertically against penetrating elements not less than 4 inches (100 mm).
- 6. Felt shall be laid iin horizontal layers with joints lapped toward eaves at least 2 inches, and at ends at least 6 inches, and well secured along laps, and at ends as necessary to properly hold the felt in place and protect the structure until covered by the lsateslate. All felt shall be preserved unbroken, tight and whole.
 - a. The felt shall lap over ridge at least 12 inches.
 - b. Felt shall be lapped 2 inches over the metal of the built-in gutter.
- 7. Ice Dam Protection: Install eave protection membrane at eaves, extending to a line that when projected to the horizontal is not less than 24 inches inside of interior wall line.

D. Wood Attachment Members:

- 1. Cants: Install cant strips at eaves on top of underlayment, spaced for drainage.
- 2. Nailers: Install nailers at ridge, directly over underlayment. Protect with additional layer of underlayment before installing ridge and hip slates and accessories.

E. Slate Shingles:

- 1. Double shingles at eaves and cornice line. Beginning at eaves, project shingles minimum uniform dimension of 2 inches and lay shingles in horizontal courses. Install shingles with minimum of 3 inch headlaps, and stagger joints between courses a minimum of 3 inches. Project shingles minimum uniform dimension of 1.0 inches at gables.
- 2. Cut and fit shingles neatly around vents, pipes, and other projections.
- 3. Nail shingles by driving nails to point where nail heads just clear surface of slate, so slates hang on the nails. Do not overdrive nails, putting pressure on underlying slate, and do not underdrive nails, putting strain on overlying slates.
- 4. Install metal ridge and hip accessories in accordance with manufacturer's details and recommendations.
- F. Metal-Flashed, Internal Gutter: Install two layers of wide self-adhering underlayment centered in valley. Stagger end laps between layers at least 72 inches (1830 mm). Lap ends of each layer at least 12 inches (305 mm) in direction to shed water.

1. Lap roof-deck underlayment over first layer of gutter felt underlayment at least 6 inches (152 mm).

3.04 PROTECTION

- A. Minimize traffic over finished roof surface. Where absolutely necessary, wear soft-soled shoes and walk on butt of shingles to avoid breakage.
- B. Remove and replace damaged or broken slates before Date of Substantial Completion.

END OF SECTION

SECTION 07 50 00 - MEMBRANE ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Roofing Assembly:
 - 1. Roof membrane.
 - Cover board.
 - 3. Insulation Board Cricket/Saddle.
 - 4. Tapered insulation.
 - 5. Insulation.
 - 6. Air and vapor barrier.
 - 7. Deck sheathing.

B. Substrate:

- 1. Metal roof deck.
- Wood deck.

1.02 REFERENCES

- A. ASTM C1177/C1177M Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing; 2017.
- B. ASTM C1289 Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2019.
- C. ASTM D4434/D4434M Standard Specification for Poly(Vinyl Chloride) Sheet Roofing; 2015.
- D. FM DS 1-28 Wind Design; 2016.
- E. ITS (DIR) Directory of Listed Products; current edition.
- F. UL (DIR) Online Certifications Directory; Current Edition.

1.03 SUBMITTALS

A. Product Data:

- 1. Manufacturer's data needed to demonstrate compliance with the specified requirements.
 - a. Provide copy of installer's application to membrane manufacturer for warranty.
 - b. Provide data indicating compliance with Factory Mutual requirements. Itemize each component of the approved system.
 - c. Contractor shall complete FM Global "Application for Acceptance of Roofing System" form X2688, and to Owner's consultant for review.
- 2. No provision of manufacturer's data or instructions shall be deemed to modify any requirement of the Contract Documents without the written approval of the Architect issued as a Contract Modification.
- 3. Catalog illustrations or shop drawings in sufficient detail to show installation and interface of the work of this Section with the work of adjacent trades.
- 4. Warranty draft from membrane manufacturer.
- B. Shop Drawings Prepared by Membrane Manufacturer:
 - 1. Demonstrate compliance with wind uplift requirements.
 - 2. Provide a roof plan showing layout of insulation board.
 - 3. Indicate width of perimeter strip and corners.
 - 4. Include fastener pattern or adhesive pattern, as applicable, for field, perimeter, and corners.
 - 5. Include detail drawings of securement of insulation board at perimeter of openings or penetrations.
- C. Installer qualifications on membrane manufacturer's letterhead. Wording of letter shall demonstrate compliance with "Quality Assurance" article, specified below.

- D. Schedule: Submit construction schedule indicating anticipated beginning and ending dates of the following tasks. Where work will be conducted independently in more than one area or zone. submit for each area or zone.
 - 1. Preapplication review.
 - 2. Preconstruction inspection.
 - 3. Membrane installation.

E. Field Reports:

- 1. Preapplication review.
- Preconstruction inspection.
- 3. Completion inspections.

F. Closeout Submittals:

- 1. Contractor's Certificate of Final Inspection
- 2. Special Project Warranty signed by Contractor and installer.
- 3. Manufacturer's Warranty.

1.04 QUALITY ASSURANCE

- A. Membrane Manufacturer's Certification of Installer:
 - Installer shall be a company licensed by or approved by the roofing materials
 manufacturer for materials specified in this section and for projects similar in scope of
 work and for manfuacturer's manufacturer's premium labor and material warranty.
 - Licensing or approval shall have been in effect continuously for at least one year prior to the date of bid opening or, if none, the date of award of the general contract, for this Project.
- B. Installer shall designate a single individual as project foreman who shall be on site at all times during installation. Installer shall designate key personnel of the on-site crew who shall be experienced in work of the type specified. Neither the foreman nor the key personnel shall be changed without the Architect's consent.

1.05 PREINSTALLATION MEETINGS

- A. Coordination Review: Before start of construction of surfaces to receive membrane and after Architect's approval of submittals, schedule a meeting with membrane installer including the foreman, installers of work adjacent to or which penetrates membrane, Architect, Owner's representative, and membrane manufacturer's representative.
 - 1. Review Contract Document requirements and membrane manufacturer's product data and application instructions.
 - 2. Identify any differences between contract requirements and manufacturer's recommendations or warranty requirements.
 - 3. Obtain the Architect's written approval of any deviations from contract requirements.
 - 4. Review procedures for substrate construction and preparation.
 - 5. Review locations of conduits, piping, etc. Review requirements for horizontal and vertical clearances between adjacent penetrations and curbs, corners, walls, or footings.
 - 6. Review coordination of related work, preliminary installation schedule, inspection and testing methods, and certifications.
 - 7. Document discussion in writing, including issues requiring action, and distribute report to entities concerned with membrane installation, substrate construction, mechanical and electrical construction, and related work.
- B. Substrate Review: Before start of work, schedule a meeting with membrane installer including the membrane installer's foreman, Architect, Owner's representative, and membrane manufacturer's representative.
 - Review each issue identified in the Substrate Preconstruction Review meeting.
 - 2. Walk areas to review and discuss substrate preparation including repair.
 - a. Unacceptable surfaces.
 - b. Drainage, flatness, and slope.
 - c. Penetrations.

- d. Curbs.
- e. Work performed by other trades which requires coordination with membrane system.
- 3. Verify that substrates that will receive the roofing system are complete and in place, including nailers, curbs, penetrations, and perimeter construction.
- 4. Document discussion in writing, including issues requiring action, and distribute report to entities concerned with membrane work and related work.

1.06 DELIVERY, STORAGE, AND HANDLING

- Each roll, bucket, package (as applicable) of material shall be bear the UL Listing / Classification Mark.
- B. Each roll, bucket, package (as applicable) of material included in assemblies covered by FM approval shall bear the FM Approval mark.
- C. Deliver materials to job site in manufacturer's unopened containers with all labels intact and legible at time of use.
- Store the products in a dry condition during delivery, storage, handling, installation, and concealment.
- E. Protect materials from prolonged sunlight exposure.

1.07 PROJECT CONDITIONS

- A. Complete the construction of substrates, including work which will penetrate membrane, before start of membrane installation.
- B. Comply with manufacturer's recommendations regarding condition of the substrate to receive membrane, weather conditions before and during installation, and protection of the installed membrane system.
- C. Do not install primer or other materials during wet weather, nor to damp substrates.
- D. Do not install primer or other materials when ambient or substrate temperatures are less than 40 deg F.

1.08 WARRANTY

- A. Provide Special Project Warranty specified in Section 01 7810.
- B. Manufacturer's Warranty: Provide membrane manufacturer's premium NDL (no dollar limit), non-prorated material and labor warranty covering the following:
 - 1. All materials specified in this section of the specifications.
 - 2. Failure of membrane manufacturer's materials to resist penetration of water.
 - Penetration of water is defined to include:
 - 1) Penetration of water below the membrane
 - 2) Penetration of water into insulation below the membrane
 - 3) Penetration of water into the substrate.
 - Penetration of water into the interior of building.
 - 3. Partial or complete detachment of the membrane, of below-membrane insulation, or of board materials from each other or from substrates to which they are adhered or mechanically attached, up to a wind speed of 74 miles per hr.
 - a. Warranty language referencing "gale force" or "the Beaufort" scale is not acceptable.
 - 4. Exclusions: Failure resulting from:
 - a. Penetration of water through walls, parapets, and openings such as doors, windows, and louvers.
 - b. Electrical, piping, and plumbing penetrations (other than drains) utilizing pitch pans.
 - c. Structural failures of the building.
 - d. Abuse.
 - e. Work or alterations occurring after Final Completion of the Project.
 - f. Acts of God.
 - g. Other exclusions accepted by the Owner.
 - 5. Hairline cracking of concrete is not considered a structural failure.

6. Warranty Term: Twenty year period after Date of Substantial Completion.

PART 2 PRODUCTS

2.01 SUBSTITUTIONS

A. Refer to Section 01 60 00 - Product Requirements.

2.02 ASSEMBLY REQUIREMENTS

- A. Surface Burning: UL (DIR) / ITS (DIR) Class A roof covering.
- B. Wind uplift:
 - 1. Provide a complete assembly complying with FM Class 1-90, FM DS 1-28.
 - 2. Provide a complete assembly complying with FM Global Roof Nav No. as follows:
 - a. Carlisle: 400374-0-0
 - b. Johns-Manville: 459693-0-0
 - c. Siplast: 445142-0-0

2.03 MATERIAL REQUIREMENTS

- A. Furnish materials provided a single company (the membrane manufacturer) and include in the membrane manufacturer's warranty, as follows:
 - 1. Materials manufactured or fabricated in the company's own facility.
 - 2. Materials manufactured or fabricated in another's facility under license from the company (third party label).
 - 3. Materials manufactured or fabricated by others but acceptable to the company for inclusion in the roofing system and the membrane manufacturer's warranty.

2.04 SINGLE PLY ROOFING SYSTEM

- A. Thermoplastic Membrane Roofing:
 - 1. PVC Sheet with KEE: Comply with ASTM D4434/D4434M, Type II.
 - 2. Carlisle Syntec Systems.
 - a. Sure-Flex KEE HP membrane, thickness: 0.060 inch.
 - 3. Johns Manville.
 - a. Johns Manville PVC (KEE) 60 Mil, thickness: 0.060 inch
 - l. Siplast:
 - a. Parasolo KEE membrane, thickness 0.060 inch.

2.05 SHEET MATERIALS

- A. Air and Vapor Barrier:
 - 1. Product formulated for self-adhesive application to substrate.
 - a. Carlisle: VapAir Seal 725TR.
 - b. Johns-Manville: JM Vapor Barrier SAR.
 - c. Siplast. Paradiene 20.

2.06 INSULATION AND BOARD MATERIALS

- A. CoverBoard:
 - 1. Glass-mat-faced gypsum board: ASTM C1177/C1177M.
 - a. Thickness: 1/4 inch.
 - b. Water Absorption (ASTM C473): Less than 5 percent of weight.
 - c. Surface Water Absorption (ASTM C473): Nominal 1.0 grams.
 - d. Compressive Strength (Applicable Sections of ASTM C472): Nominal 900 psi.
- B. Polyisocyanurate Insulation: ASTM C1289:
 - 1. Type II, Class 2 coated polymer-bonded glass fiber mat facers.
 - 2. Two layers of uniform thickness: Combined LTT R-value of 30.
 - 3. Tapered insulation.
 - a. Slope as indicated on the drawings.
- C. Deck Sheathing:

- 1. Glass-mat-faced gypsum board: ASTM C1177/C1177M.
 - Thickness: 5/8 inch.

2.07 PENETRATION AND PERIMETER MATERIALS

A. Penetration Flashings: Provide membrane manufacturer's standard thermoplastic boot for electrical conduit, piping, equipment posts, and other items that penetrate the membrane. Include same in membrane manufacturer's warranty.

2.08 ACCESSORIES

- A. Cold Adhesive for Board Products: Type as recommended by membrane manufacturer.
- B. Nailers: Specified in Section 06 1000.
- C. Fasteners for securing first layer of board product to deck: Comply with manufacturer's recommendations and wind uplift requirements.
- D. Fasteners for Base Flashing and around Penetrations: Type recommended by membrane manufacturer
- E. Other materials necessary for a complete system: As recommended by membrane manufacturer.

PART 3 EXECUTION

3.01 GENERAL

A. Do not begin installation of roofing insulation or membrane until construction above the deck as well as the deck itself and nailers, blocking, penetrations, curbs, equipment supports, drains, vents, etc., have been completed and approved.

3.02 PREPARATION

- A. Surface preparation, detailing procedures, and installation procedures shall be in accordance with this Specification and the Drawings and the manufacturer's instructions.
- B. If manufacturer's installation instructions deviate from requirements of this section, obtain the Architect's written approval of deviations before proceeding.
- C. Interruptions of Roofing Work:
 - 1. Install each component of roof covering in permanent, final form, before allowing materials to be exposed during precipitation or overnight.
 - 2. Do not use plastic cement or mastics as temporary measures to seal permanent work.
 - 3. Install temporary water cut-offs at the end of each working day. Remove and discard before resuming permanent work.

3.03 SURFACE CONDITIONS

A. Coordinate as required with other trades to assure proper and adequate provision in the Work of those trades for interface with the Work of this Section, to avoid traffic by other trades on membrane, and to prevent damage to installed membrane.

3.04 EXAMINATION

- A. Verify existing conditions before starting work.
 - 1. Verify substrate surfaces are durable; free of matter detrimental to adhesion or application of membrane system.
 - 2. Ensure that substrates are free of standing water, dirt and debris, loose material, voids, and protrusions or deformations which may inhibit application or performance of membrane
 - Correct substrate surfaces that are unacceptable to the installer or fail to conform to the membrane manufacturer's printed instructions, unless otherwise approved by the membrane manufacturer's representative and the Architect.
- B. Do not begin installation until plumbing, mechanical, and electrical items that penetrate membrane are complete and approved.

- C. Verify items that penetrate surfaces to receive membrane are securely installed.
- D. Verify conformance of Project Conditions with manufacturer's requirements and correct as required.
 - 1. Report unsatisfactory conditions in writing to the Architect.
 - Do not install membrane until substrate condition is acceptable to the Contractor, installer, and membrane manufacturer's representative and a written report of the preconstruction inspection has been approved by the Architect.

3.05 METAL DECK PREPARATION

- A. Ensure that metal deck has been inspected for conformance with structural requirements specified elsewhere.
- B. Ensure that metal deck securement complies with wind uplift requirements.

3.06 WOOD DECK PREPARATION

A. Ensure that deck is properly supported and securely fastened, and is clean, smooth, flat, and free of depressions, waves, or projections.

3.07 DECK SHEATHING

- A. Mechanically fasten deck sheathing.
- B. Space fasteners in field, perimeter, and corners to comply with manufacturer's recommendations to meet wind uplift requirements.

3.08 AIR AND VAPOR BARRIER

- A. Prime the substrate as recommended by sheet manufacturer.
- B. Install air and vapor barrier in accordance with manufacturer's instructions.
- C. Ensure that air and vapor barrier is securely sealed to prevent the passage of air at laps, penetrations, and around the perimeter.

3.09 INSULATION AND COVERBOARD

A. Lavout:

- 1. Layout end joints in a staggered pattern.
- 2. Layout subsequent layers of board so that joints in each layer are offset at least 6 inches from joints in previous layer.
- 3. Ensure that joints between adjacent boards are snug and are without voids or gaps.
- 4. Abut boards against perimeters and penetrations with not more than a 1/4 inch gap.
- B. Provide crickets, saddles, and tapered areas to ensure positive slope to drain at all locations.
- C. Place coverboard on top of insulation.
- D. Adhere first layer in adhesive, following manufacturer's instructions.
- E. Adhere subsequent layers in adhesive, following manufacturer's instructions.

3.10 SINGLE PLY MEMBRANE

A. Install in accordance with manufacturer's instructions and shop drawings.

3.11 FIELD QUALITY CONTROL

- A. The membrane manufacturer's representative shall be present at the site to inspect substrates to receive membrane, during installation startup, to troubleshoot during installation when requested by the Architect or the Contractor, and to approve completed installation.
- B. Prior to covering completed membrane with insulation or other materials, inspect all portions of the membrane and flashings.
- C. Inspect membrane surface after water testing or after drenching rain to verify that no ponds remain after 24 hours in summer weather or 48 hours in winter or damp weather.
- D. Obtain the Architect's approval of the membrane prior to covering with other materials.

3.12 PROTECTION AND CLEANING

- A. Take measures required to protect completed membrane after installation.
- B. Do not permit traffic over unprotected or uncovered membrane.
- C. Clean spillage and soiling from adjacent surfaces, using cleaning agents and procedures recommended by the manufacturer of the surface.

CONTRACTOR'S FINAL CERTIFICATE OF INSPECTION

,	concealment. No se	egment has been	left uninsp	ected. I have found this work
Certified this	day of	, 20	, by	
···	(si	ignature)		
····	(pr	rinted name) on b	pehalf of	
			(Co	ontractor).
	3.01EN	D OF SECTION		

SECTION 07 57 00 - COATED FOAMED ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Foamed-in-place insulation.
- B. Protective overcoat.

1.02 REFERENCE STANDARDS

- A. ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension; 2006a (Reapproved 2013).
- B. ASTM D1621 Standard Test Method for Compressive Properties Of Rigid Cellular Plastics; 2010.
- C. ASTM D1622/D1622M Standard Test Method for Apparent Density of Rigid Cellular Plastics; 2014.
- D. ASTM D1623 Standard Test Method for Tensile And Tensile Adhesion Properties of Rigid Cellular Plastics; 2009.
- E. ASTM D6226 Standard Test Method for Open Cell Content of Rigid Cellular Plastics; 2010.
- F. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials; 2014.
- G. ASTM E96/E96M Standard Test Methods for Water Vapor Transmission of Materials; 2013.

1.03 SUBMITTALS

A. Submit reference list of 50 similar projects independently verified by an approved third party. Imclude project name, location, scope and current contact information. A minimum of 5 of these projects must include the application of Coating Manufacturers polyurethane products and a minimum of 5 of these projects must include the application of the SPF Manufacturers spray polyurethane foam products approved for use on this project.

B. Product Data:

- 1. Provide data on foam insulation and overcoat, physical and chemical properties, preparation of substrate required, product limitations, cautionary requirements and MSDS sheets for all products.
- 2. Provide data indicating compliance with Factory Mutual requirements. Itemize each component of the approved system.
- 3. Contractor shall complete FM Global "Application for Acceptance of Roofing System" form X2688, and to Owner's consultant for review.
- C. Samples: Submit two samples, 3 x 4 inch in size, illustrating illustrating color and texture. (ALPHA 15-Year Permathane II FR w/granules on Sprayed Polyurethane Foam).
- D. Manufacturer's Certificate: Submit a letter issued by Coating Manufacturer stating approved licensed applicator status and approval to issue ALPHA warranty for specified system on this project.
- E. Manufacturer's Instructions: Indicate installation requirements and procedures.
- F. Warranty: Submit a copy of the current ALPHA warranty for sprayed plyurethane roofing and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Shall be a current participant of the NEOGARD ALPHA program as administered by PBSRG.
- B. Applicator Qualifications:
 - 1. Shall be current approved applicators as identified by the NEOGARD ALPHA program.

- 2. The Contractor shall have, and have maintained fully accredited status with the Spray Polyurethane Foam Alliance for a minimum of the past five years.
- 3. The Contractor shall be able to show proof that all his workers and employees for this project are citizens or legal residents of the United States.
- 4. The Contractor shall be able to show proof that all supervising personnel on site will have current 30-hour OSHA cards prior to the start of the project.
- 5. Contractor shall provide proof that he has installed a minimum of 100,000 square feet of urethane foam roofing with urethane coatings and provide addresses of two roofs within one day's drive for inspection by the Owner's staff.

C. Requirements of Regulatory Agencies:

- 1. Materials used in the ALPHA 15-Year Permathane II FR w/gramules coated foam roof shall meet Federal, State and Local VOC regulations.
- The ALPHA system shall be approved for use on this project and rated E108 or "Class A" by Underwriters Laboratories. (ASTM E-108/UL 790.)
- D. Field Quality Control: Upon completion of the ALPHA roofing system installation, an inspection by a NEOGARD approved, pre-qualified third-party inspection company is required. Cost of the inspection shall be borne by the installing contractor. The inspection will confirm that the installation meets or exceeds minimum requirements as detailed within this specification.
- E. Work of this section to conform to manufacturer's instructions.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Materials shall be delivered in original sealed containers, clearly marked with supplier's name, product identification, safety information and batch or lot number.
- B. Protect stored products from ambient temperatures below 75 degrees F. Handle products to avoid damage to the container. Do not store in direct sunlight. The ALPHA roofing system should be installed within 3 months of the manufacture date of any materials under this specification. All materials shall be stored in compliance with local fire and safety requirements. All materials shall be handled in accordance with the Manufacturers guidelines.

1.06 FIELD CONDITIONS

- A. Do not install foam insulation under the following conditions:
 - 1. When ambient temperature is below 40 degrees F or above 110 degrees F.
 - 2. When relative humidity is above 80 percent.
 - When wind velocity is above 10 mph. Wind barriers shall be used if wind conditions could affect the quality of the materials during spraying. The elastomeric polyurethane coating can either be sprayed or roller applied.
 - 4. When inclement weather is imminent or when humity levels are outside the limits set by the manufacturer.

1.07 SEQUENCING AND SCHEDULING

A. In new construction projects or projects where other trades are also at work, the sprayed polyurethane foam is installed when the deck, parapet walls, rough openings and curbs are completed. Plumbing vents, drains and electrical penetrations should be in place. No other trades are permitted on the roof while the sprayed polyurethane foam and elastomeric polyurethane foam coating are being installed.

1.08 WARRANTY

- A. See Section 01 7800 Closeout Submittals, for additional warranty requirements.
- B. Provide <u>15-20</u> year manufacturer warranty <u>for Neogard ALPHA roofing systemfrom Carlisle or BASF.</u>
- C. Guarantee against leaks, system failure caused by faulty material or workmanship or by ordinary weathering, bird peck damage, wind forces up to 90 MPH and sever hail (SH) damage as defined by Factory Mutual Research Corporation (FMRC) simulated hail damage tests.

D. Successful bidder shall provide proof that he is able to respond, after notification by the Owner, to leaking repairs within 24 hours and non-leaking repairs within five working days.

PART 2 PRODUCTS

2.01 ASSEMBLY REQUIREMENTS

- A. Provide a complete assembly complying with FM Class 90, FM DS 1-28.
- B. Provide a complete assembly complying with FM Global Roof Nav No. as follows:
 - 1. BASF: 214851-50827-0.
 - 2. Carlisle: 214851-50827-0.

2.02 FOAM INSULATION MATERIALS

- A. Foam Insulation: Polyurethane type, as follows:
 - Closed Cell Content: > 90% percent, determined in accordance with ASTM D6226 or ASTM D2856.
 - Compressive Strength: ASTM D1621; 55 +/- 5% @ yield psi.
 - 3. Tensile Strength: ASTM D1623, 60-80 psi.
 - 4. Density: ASTM D1622/D1622M; 2.9 3.2 lb/cu ft.
 - 5. Surface Burning Characteristics: Flame spread 55 max., when tested in accordance with ASTM E84.
 - 6. K-Factor (aged) per ASTM C518: 0.158 BTU/hr sq. ft. degree F/in.
 - 7. Humid Aging (& % linear change) 158 degreees F, 97%, 28 day.

2.03 ELASTOMERIC COATING SYSTEM

- A. Permathane Aliphatic II FR as manufactured by NEOGARD, consisting of 70620 base coat and 70611-70630 top coat.
 - 1. Tensile Strength (ASTM D412): 1,000 PSI base coat, 1,022 psi top coat.
 - 2. Elongation (ASTM D412): 375% base coat, 539% top coat.
 - 3. Water Vapor Permeance (ASTM E96): 0.9 top coat permS.
 - 4. Permanent Set per ASTM D142: <10%, <5% top coat.
 - 5. Tear Resistance per ASTM D1004: 100lb/in base coat, 1.3 lb-force top coat.
 - 6. Thermal Shock: No loss of adhesion.
 - 7. Fire Resistance per ASTM E108, UL 790: System rated Class "A".
 - 8. Weathering Resistance per ASTM D822: Slight chalk.

2.04 ACCESSORIES

- A. Miscellaneous materials, such as primers, elastomeric sealants, metal, vents and drains shall be a composite part of the roof system and shall be compatible with the ALPHA roofing system.
- B. Premanufactured expansion joint at building
 - 1. Basis of Design: Johns Mansville Expando Flash

PART 3 EXECUTION

3.01 EXAMINATION

- A. Existing substrates must be clean, dry and free of all loose dirt, dust and debris. Oil, grease, release agents or other contaminants shall be removed with proper cleaning solutions.
- B. Other Considerations: Lighning rods, security devices, electrical conduits and other ancillary rooftop projections and/or equipment shall be masked prior to the application of the polyurethane foam. Lightning rod cables shall not be embedded in the SPF and should be removed prior to the SPF application. Electrical and mechanical conduits should be relocated or raised above the roof surface.

3.02 PREPARATION - METAL DECK

A. Remove materials or substances that will interfere with total adhesion of foam insulation to substrate.

- B. Mask off adjacent surfaces that are not scheduled to receive foam.
- C. Fluted metal decks require a suitable method of covering the flutes prior to the application of the sprayed polyurethane foam. Flutes may be covered with fastened or adhered insulation board, Dens-Deck, gypsum board, special polyester tapes or sprayed urethane foam.

3.03 INSULATION INSTALLATION

- A. Apply primer and foam insulation in accordance with manufacturer's instructions.
- B. The sprayed polyurethane foam application shall not proceed during periods of inclement weather, nor should any SPF be applied until exterior surfaces are thorougly dry. The SPF shall not be applied below an ambient air or substrate temperature of 40 degrees F and/or above 85% relative humidity.
- C. The SPF shall be applied in a minimal pass thickness of 1/2".
- D. The SPF thickness shall be a minimum of 1.5" after cured. The polyurethane foam shall be applied uniformly over the entire surface with a tolerance of plus 1/4" of thickness minus 0, except where variations are required to insure proper drainage or to complete a feathered edge. The SPF shall not be applied in thickness greater than 2" in one pass.
- E. The SPF shall be uniformly terminated a minumum of 4" above the roofline at all penetrations (except drains, parapet walls, or building junctions). Sprayed-in-place cants shall be smooth and uniform to allow positive drainage.
- F. If polyurethane foam is not coated within 24 hours, surface shall be examined for surface oxidation and moisture contamination. If oxidation of contamination exists, contact the ALPHA SPF manufacturer for recommendations.
- G. Any damage or defects to the polyurethane foam surface shall be repaired prior to the elastomeric polyurethane coating application.
- H. Develop finish skin surface to smooth and unbroken "rough orange peel" texture. Uneven surfaces are not acceptable. Unacceptable finishes shall be removed and replaced.

3.04 FLASHINGS AND ACCESSORIES

A. Flashings and waterproof coverings for expansion joints shall be uncured, non-staining 60 mil (0.060") neoprene elastomeric sheet material.

3.05 OVERCOAT INSTALLATION

- A. Install overcoat in accordance with manufacturer's instructions.
- B. ALPHA system: The fluid-applied elastomeric protective coating system, herein specified, shall be applied in accordance with the procedures below.:
 - 1. Top Coat:
 - a. Subsequent coating shall be applied in a timely manner to insure proper adhesion between coats.
 - b. The previous base coat shall be allowed to cure and be inspected for pinholes, thinly coated areas, uncured areas or other defects. Any defects shall be repaired prior to the top coat application. The base coat shall be free of dust, dirt, debris, moisture or other contaminants prior to the application of the top coat.
 - c. Apply the elastomeric polyurethane 70611 Series top coat membrane at a minimum rate of 3/4 gallon per 100 sq. ft. in 1 coat to yeild an average thickness of 9 dry mils in strict accordance with application procedures outlined by NEOGARD.
 - d. The cured dry film thickness of the finished multiple coat application shall be checked according to NEOGARD's specifications. Areas that are found to have less than the thickness specified shall require additional coating.
- CB. Apply roof surface granules at a rate of 30 lbs. per 100 sq. ft...

3.06 FIELD QUALITY CONTROL

- A. Prior to beginning any work, a representative from Neogard, Applicator and Owner shall meet at the project site in a pre-construction meeting to identify any risks and assist the Alpha Approved Applicator in developing a Risk Management Plan.
- B. From preconstruction through project completion the applicator is to provide the ALPHA Manufacturers, PBSRG, and the Owner with weekly risk reports.
- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- 1. Testing agency will identify, seal and certify samples of materials taken from project site with Contractor present.
- 2. Testing agency will perform tests for product characteristics specified or cited in manufacturer's product data.
 - a. Two core samples will be required for roof areas of up to 10,000 sq. ft. and one core sample will be required of each additional 10,000 sq. ft or part thereof.
 - b. Six slit-test samples will be required for each 10,000 sq. ft. of roof area to determine, as a minimum, the number of coats applied and dry film thickness of coating.
- 3. Testing agency will verify that surfaces slope to drain.
- B. Coated foamed roofing will be considered defective if it does not pass tests and inspections.
- C. Refill cores, repair slits and recoat test areas.
- D. Prepare test and inspection reports.

3.07 CLEANING

- A. Remove excess insulation or overcoat from finished surfaces.
- B. In areas where finished surfaces are soiled by work of this section, consult manufacturer of surfaces for cleaning advice and conform to their documented instructions.
- C. Repair or replace defaced or disfigured finishes caused by work of this section.

3.08 PROTECTION

A. Ensure roof surface is free of traffic for minimum three days after overcoat application.

SECTION 07 72 00 - ROOF ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Roof hatches.

1.02 REFERENCE STANDARDS

- A. 29 CFR 1910.23 Ladders; current edition.
- B. 29 CFR 1910.29 Fall Protection Systems and Falling Object Protection Criteria and Practices; Current Edition.
- C. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- D. ASTM B221M Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2013.

1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used.
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
 - 4. Maintenance requirements.
- C. Shop Drawings: Submit detailed layout developed for this project and provide dimensioned location and number for each type of roof accessory.

PART 2 PRODUCTS

2.01 ROOF HATCHES AND VENTS

- A. Roof Hatch Manufacturers:
 - 1. Acudor Products Inc; Aluminum Roof Hatch: www.acudor.com/#sle.
 - 2. Bilco Company; Type TB (various types and special size): www.bilco.com/#sle.
 - 3. FAKRO America LLC; Flat Roof Access Hatch DRL: www.fakrousa.com/#sle.
 - 4. Nystrom, Inc; ThermalMAX: www.nystrom.com/#sle.
 - 5. Precision Ladders, LLC; Model PH-A: www.precisionladders.com/#sle.
- B. Roof Hatches and Smoke Vents: Factory-assembled aluminum frame and cover, complete with operating and release hardware.
 - 1. Style: Provide flat metal covers unless otherwise indicated.
 - 2. Mounting: Provide frames and curbs suitable for mounting conditions as indicated on drawings.
 - 3. Thermally Broken Hatches: Added insulation to frame and cover; available in each manufacturer's standard, single leaf sizes; special sizes available upon request
 - 4. For Ships Ladder Access: Single leaf; 30 by 54 inches.
- C. Frames and Curbs: One-piece curb and frame with integral cap flashing to receive roof flashings; extended bottom flange to suit mounting.
 - 1. Material: Mill finished aluminum, 11 gauge, 0.0907 inch thick.
 - 2. Insulation: Manufacturer's standard; 1 inch rigid glass fiber, located on outside face of curb.
- D. Metal Covers: Flush, insulated, hollow metal construction.
 - 1. Capable of supporting 40 psf live load.
 - 2. Material: Mill finished aluminum; outer cover 11 gauge, 0.0907 inch thick, liner 0.04 inch thick.

- 3. Insulation: Manufacturer's standard 1 inch rigid glass fiber.
- 4. Gasket: Neoprene, continuous around cover perimeter.
- E. Safety Railing System: Roof hatch manufacturer's standard accessory safety rail system mounted directly to curb.
 - 1. Railing: Comply with 29 CFR 1910.23 for ladder safety, with a safety factor of two.
 - 2. Self-Closing Gate: Comply with 29 CFR 1910.29 for safe egress and fall protection through hatch opening.
 - 3. Posts and Rails: Galvanized steel Aluminum tubing.
 - 4. Gate: Same material as railing; automatic closing with latch.
 - 5. Finish: Manufacturer's standard, factory applied finish.
 - Gate Hinges and Post Guides: ASTM B221 (ASTM B221M), 6063 alloy, T5 temper aluminum.
 - 7. Mounting Brackets: Hot dipped galvanized steel, 1/4 inch thick, minimum.
 - 8. Manufacturers:
 - a. Activar Construction Products Group, Inc. JL Industries: www.activarcpg.com/#sle.
 - b. BILCO Company; Bil-Guard 2.0: www.bilco.com/#sle.
 - c. Nystrom, Inc; www.nystrom.com.
 - d. Substitutions: See Section 01 60 00 Product Requirements.
- F. Roof Hatches and Smoke Vents at Copper Roof: Factory-assembled stainless steel frame and cover, complete with operating and release hardware.
 - 1. Style: Provide flat metal covers unless otherwise indicated.
 - 2. Mounting: Provide frames and curbs suitable for mounting conditions as indicated on drawings.
 - 3. Thermally Broken Hatches: Added insulation to frame and cover; available in each manufacturer's standard, single leaf sizes; special sizes available upon request
 - 4. For Ships Ladder Access: Single leaf; 30 by 54 inches.
- F.G. Hardware: Steel, zinc coated and chromate sealed, unless otherwise indicated or required by manufacturer.
 - 1. Lifting Mechanisms: Compression or torsion spring operator with shock absorbers that automatically opens upon release of latch; capable of lifting covers despite 10 psf load.
 - 2. Hinges: Heavy duty pintle type.
 - 3. Hold open arm with vinyl-coated handle for manual release.
 - 4. Latch: Upon closing, engage latch automatically and reset manual release.
 - 5. Manual Release: Pull handle on interior.
 - 6. Locking: Padlock hasp on interior.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using methods recommended by manufacturer for achieving acceptable results for applicable substrate under project conditions.

3.03 INSTALLATION

A. Install in accordance with manufacturer's instructions, in manner that maintains roofing system weather-tight integrity.

3.04 CLEANING

A. Clean installed work to like-new condition.

3.05 PROTECTION

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

SECTION 07 92 00 - JOINT SEALANTS

07 92 00.PFHG Precompressed Foam Seal, Horizontal Grade

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Section Includes:
 - 1. Sealants and joint backing.
 - 2. Precompressed foam sealers.
- B. Work of this section includes:
 - Sealing of joints indicated in the schedule at the end of this section and in other locations required by the Contract Document.
 - 2. Seal joints in exterior envelope to prevent the entry or escape of water or air.
 - 3. Seal joints on the interior of the building to prevent the passage of water or air from space to space or between adjacent building materials and assemblies.
 - 4. Joints of a nature similar to that of joints indicated shall be sealed with same sealer, whether or not specifically indicated on the drawings and schedules to be sealed.

1.02 REFERENCES

- A. ASTM C1193 Standard Guide for Use of Joint Sealants; 2016.
- B. ASTM C920 Standard Specification for Elastomeric Joint Sealants; 2018.

1.03 DEFINITIONS

- M Type Substrates: Cast-in-place concrete, concrete masonry units, clay brick, masonry mortar, natural stone.
- B. G Type Substrates: Glass and transparent plastic glazing sheets.
- C. A Type Substrates: Metals, porcelain, glazed tile, and smooth plastics.
- D. O Type Substrates: Wood, unglazed tile; substrates not included under other categories.
- E. Use T: Surfaces bearing pedestrian or vehicular traffic.
- F. Use NT: Non-traffic-bearing surfaces.

1.04 SUBMITTALS

- A. Product Data:
 - 1. Provide manufacturer's data on each joint sealer indicating sealant chemical characteristics, performance criteria, substrate preparation, limitations, color availability, and installation instructions.
 - 2. Provide manufacturer's technical guide containing recommendations for primers for each exterior sealant/substrate combination.
- B. Samples: Submit two cured samples for each product exposed to view, illustrating full range of sealant colors available for selection.
- C. Test Reports:
 - 1. Field installation test reports for each joint sealer.
- D. Installer's Preconstruction Inspection Report: List all conditions detrimental to performance of joint sealer work.
- E. Warranty.

1.05 MOCK-UP

- A. Before beginning installation, install sealers in joints in actual construction as directed by the Architect, to show color, materials, and installation.
- B. Locate where directed.
- C. Keep mock-ups intact as the standard for evaluating the completed joint sealer work.

D. Mock-up may remain as part of the Work.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in original containers or bundles with labels showing manufacturer, product name or designation, color, shelf life, and installation instructions.

1.07 PROJECT SITE CONDITIONS

- A. Environmental Limitations: Do not install sealers if any of the following conditions exist:
 - 1. Air or substrate temperature exceeds the range recommended by sealer manufacturer or is below 40 degrees F (4.4 degrees C) or is above 100 degrees F (38 degrees C).
 - 2. Substrate is wet, damp, or covered with snow, ice, or frost.
 - 3. Substrate is dusty, oily, or otherwise contaminated.
- B. Dimensional Limitations: Do not install sealers if joint dimensions are less than or greater than that recommended by sealer manufacturer; notify the Architect and get joint sealer manufacturer's recommendations for alternative procedures.
- C. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

1.08 WARRANTY

A. Submit a written warranty signed by the Contractor guaranteeing to correct failures in joint sealer work within a five year period after Date of Substantial Completion, without reducing or otherwise limiting any other rights to correction which the Owner may have under the contract documents. Failure is defined as failure to remain weathertight due to faulty materials or workmanship. Correction is limited to replacement of sealers.

PART 2 PRODUCTS

2.01 SUBSTITUTIONS

A. Refer to Section 01 60 00 - Product Requirements.

2.02 SEALANTS

- A. Precompressed Foam Seals: Self-expanding foam impregnated with noncuring sealant resins. Size as required to provide watertight seal when installed and under anticipated movement.
 - 1. Precompressed Foam Seal with Color Silicone Facer, High Movement Type:
 - a. Movement Capability: +/- 50%.
 - b. Products:
 - Emseal; Seismic Colorseal: www.emseal.com.
 - 2) Schul International Company, Inc.: Seismic Sealtite; www.schul.com
 - 3) Willseal Seismic; www.willseal.com.
 - 2. Precompressed Foam Seal, Horizontal Grade:
 - a. Movement Capability: +/- 50%.
 - b. Products:
 - 1) Emseal; DSM System; www.emseal.com..
 - 2) Schul International, Inc.: Sealtite 50 N; www.schul.com.
 - 3) Willseal 250: www.willseal.com.
 - 3. Fire Rated Precompressed Foam Seal with Color Silicone Facer, High Movement Type:
 - a. Movement Capability: +/- 50%.
 - b. Fire Rating: 1 hour
 - c. Products:
 - 1) Emseal; Emshield WFR1; www.emseal.com.
 - 2) Willseal FR-V: www.willseal.com
- B. High Movement Silicone Sealant: One- or two-part, non-acid-curing, ASTM C920, Grade NS, Class 25, Use NT, plus movement capability of 50 percent in extension, 50 percent in compression.
 - 1. Products:

- a. Dow Dowsil 756SMS, 790, or 795: www.dow.com. (60 g/l), (26 g/l), (32 g/l)
- b. Momentive GE Silicones: SilPruf9000 NB, SCS2000 SilPruf Sealant, or SCS2700 SilPruf LM Sealant; 37 g/l), (20 g/l), (27 g/l); www.siliconeforbuilding.com.
- c. Pecora Corporation; 890NST: www.pecora.com. (98 g/l)
- d. Sika Corporation: Sikasil WS-290 or WS-295; (29 g/l), (37 g/l); usa.sika.com.
- C. Mildew-Resistant Silicone Sealant: One-part, ASTM C920, Type S, Grade NS, Class 25, Use NT, formulated with fungicide, for interior use on nonporous substrates.
 - 1. Products:
 - a. Dow Dowsil 786: www.dow.com. (36 g/l)
 - b. Momentive GE Silicones: SCS1700 Sanitary; www.siliconesforbuilding.com. (20 g/l)
 - c. Pecora Corporation; 860: www.pecora.com. (12 g/l)
- D. Butyl Sealant:
 - 1. ASTM C920, Grade NS, Class 12-1/2, Uses NT; single component, solvent release, nonskinning, nonsag.
- E. One-Part Nonsag Urethane Sealant: ASTM C920, Type S, Grade NS, Class 25, Use NT.
 - Products:
 - a. Master Builders / BASF ; MasterSeal NP 1: www.master-builders-solutions.basf.com. (35 g/l)
 - b. Pecora Corporation; Dynatrol I-XL: www.pecora.com. (68 g/l)
 - c. Sika Corporation; Sikaflex 1a: www.sika.com. (47.6 g/l)
- F. Concealed Sealant in Contact with Weather-Resistant Membrane: Silicone for Low-Energy Substrates:
 - 1. Products:
 - a. Dow Dowsil 758 Silicone Weather Barrier Sealant: www.dow.com (61 g/l)
- G. Pedestrian Paving Joints and Interior Floor Joints:
 - 1. One-Part Pourable Urethane Sealant for Use T: ASTM C920, Type S, Grade P, Class 25, Use T.
 - a. Products:
 - 1) Sika Corporation; Sikaflex 1c SL: www.usa.sika.com. 40 g/l
 - 2) Pecora Corporation; Urexpan NR-201: www.pecora.com. (45 g/l)
 - 3) BASF Building Products; MasterSeal SL-1: www.master-builders-solutions.basf.com. (29 g/l)
 - 2. Multipart Pourable Urethane Sealant for Use T: ASTM C920, Type M, Grade P, Class 25, Use T.
 - a. Products:
 - 1) Pecora Corporation; Urexpan NR-200: www.pecora.com. (0 g/l)
 - 2) Sika Corporation; Sikaflex 2c SL: www.sika.com. (29.48 g/l)
 - 3) BASF Building Products; MasterSeal SL 2: www.master-builders-solutions.basf.com. (64.4 g/l)
 - Nonsag Urethane Sealant for Use T: ASTM C920, Type S or M, Grade NS, Class 25, Use T.
 - a. Products:
 - 1) Pecora Corporation; Dynatred: www.pecora.com. (39 g/l)
 - 2) BASF Building Products; MasterSeal CR 125: www.master-builders-solutions.basf.com. (118g/l)
 - 3) Sika Corporation; Sikaflex 1a: www.sika.com. (47.6 g/l)
- H. Non-Curing Sealers:
 - 1. Butyl Polyisobutylene Tape Sealer: Solvent-free, 100 percent solids; complying with 804.3, as described in AAMA 800; nonstaining and nonmigrating; provide in rolls with release paper.
 - a. Integral shimming spacer.

2.03 ACCESSORIES

- A. Primer for Silicone Sealants: Nonstaining type, as recommended by joint sealant manufacturer for specific substrates encountered on the project and as verified by testing.
- B. Joint Cleaner: Noncorrosive and nonstaining type, recommended by sealant manufacturer; not damaging to substrates, and compatible with joint forming materials.
- C. Backer Rods: Flexible, nonabsorbent, compressible polyethylene foam, either open cell or nongassing closed cell, unless otherwise restricted by sealant manufacturer; preformed to appropriate size and shape.
- D. Bond-Breaker Tape: Self-adhesive, polyethylene or other plastic tape, unless otherwise restricted by sealant manufacturer; suitable for preventing sealant adhesion.
- E. Masking Tape: Nonabsorbent, nonstaining.
- F. Tooling Agents: Approved by sealant manufacturer; nonstaining to sealant and substrate.

2.04 SEALANT COLORS

- A. The Architect will select sealant colors from manufacturer's full range of available colors for each respective sealant and adjacent substrate.
- B. Obtain approval of mock-up color before ordering job quantities of sealant.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine joints for characteristics that may affect sealer performance, including configuration and dimensions.
- B. Verify that joint backing and release tapes are compatible with sealant.

3.02 PREPARATION

- A. Cleaning: Just before starting sealer installation, clean out joints as follows:
 - 1. Remove loose materials and foreign matter which might impair adhesion of sealant including, but not limited to, dust, dirt, coatings, paint, oil, and grease.
 - 2. Dry out damp and wet substrates thoroughly.
 - Clean A-type and G-type substrates by chemical or other methods that will not damage the substrate.
 - 4. Remove loose particles by brushing and by blowing with oil-free compressed air.
 - 5. Concrete: Remove laitance and form-release coatings.
 - 6. Use methods which will not leave residues that will impair adhesion.
- B. Existing Concrete and Masonry Joints to be Resealed: Mechanically abrade the substrate to expose clean, sound substrate that is free of existing sealer residue.
- C. Prime joint substrates where required by this specification, manufacturer's recommendations, or adhesion tests.
- D. Masking Tape: Use masking tape to keep primers and sealers off of adjacent surfaces which would be damaged by contact or by cleanup. Remove tape at the end of each day.
- E. Protect elements surrounding the work of this section from damage or disfigurement.
- F. Install fillers where needed to provide proper joint depth or support for sealant backers.
- G. Do not begin joint sealer work until unsatisfactory conditions have been corrected.

3.03 INSTALLATION

- A. Install sealant free of air pockets, foreign embedded matter, ridges, and sags.
- B. Comply with sealer manufacturer's installation instructions and recommendations, except where more restrictive requirements are specified.
- C. Gunnable and Pourable Sealants: Comply with recommendations of ASTM C1193.

D. Backers:

- 1. Install backers at depth required to result in shape and depth of installed sealant which allows the most joint movement without failure.
 - a. Make backers continuous, without gaps, tears, or punctures.
 - b. Do not stretch or twist backers.
- 2. Use bond-breaker tape wherever it is necessary to keep sealant from adhering to back or third side of joint.
- 3. If backers become wet or damp before installation of sealant, dry out thoroughly before proceeding.
- E. Shape and Depth: Use methods recommended by manufacturer; completely fill the joint; make full contact with bond surfaces; tool nonsag sealants to smooth surface eliminating air pockets.
 - Use concave joint shape shown in Figure 8 in ASTM C1193, where not otherwise indicated.
 - 2. Depth of sealant at center of joint, unless otherwise required by the Contract Documents or recommended by manufacturer:
 - a. For joints up to 1/4 inch (6.4 mm) wide: Depth equal to width.
 - b. For joints 1/4 inch to 1/2 inch (13 mm) wide: Depth equal to 1/4 inch.
 - c. For joints over 1/2 inch (13 mm) wide: Depth equal to 1/2 the width but not deeper than 1/2 inch.
 - 3. Contact depth: Twice the depth of sealant at center of joint, unless otherwise required.

F. Precompressed Foam Sealers:

- 1. Install precompressed foam sealers in compressed state.
- 2. Unwind foam joint sealant along joint to be sealed, remove release liner to expose adhesive side, and press foam joint sealant adhesive against side of joint with hand or putty knife to ensure bond to substrate.
- 3. Install foam joint sealant from the bottom up, and keep face of foam joint sealant in consistent alignment with face of adjacent materials.
- 4. Press adhesive side firmly against one side of full length of joint. Foam joint sealant will expand to fill joint.
- 5. Join end-to-end joints of lengths of materials less than 2-3/4 inch (70 mm) wide by mitering across the direction of the expansion of the material.
- 6. Join end-to end joints of lengths of materials 2-3/4 inch (70 mm) wide and greater by butting.

3.04 CLEANING

A. Clean adjacent soiled surfaces adjacent to joints as work progresses and before sealants set using methods and materials approved by manufacturers of sealers and of surfaces to be cleaned.

3.05 PROTECTION OF FINISHED WORK

- A. Protect sealants from contamination and damage until cured.
- B. Remove and replace damaged sealers.

3.06 FIELD INSTALLATION TESTS:

- A. Before installation, install samples and test the adhesion of each type of sealers to each type of actual substrates. Do initial field adhesion hand-pull tests in the presence of the sealant manufacturer's representative. Report results.
- B. Field Tests on Installed Sealants: Perform periodic tests for each combination of exterior sealer and substrate.
 - 1. Perform tests at a rate of ten tests for the first 1,000 feet. Thereafter, for each type of sealant being installed on each substrate perform one test per 2,500 square feet thereafter, or one test per floor per elevation, whichever is greater. Record the test results in a field adhesion test log.

- C. For each type of sealant, obtain specific test procedure and pass/fail criteria from sealant manufacturer.
- D. Field Test as described in ASTM C1193 Appendix X1.1 Method A, Field-Applied Sealant Joint Hand Pull Tab:
 - 1. Seal at least 5 foot (1.5 m) lengths of joints and cure properly.
 - 2. Perform each test at the job site after the sealant is fully cured.
 - 3. Make a knife cut horizontally from one side of the joint to the other.
 - 4. Make two vertical cuts, from the horizontal cut, approximately 3" (76 mm) long, at both sides of the joint.
 - 5. Place a 1 inch (25 mm) mark on the sealant tab.
 - 6. Grasp the 2 inch (51 mm) piece of sealant firmly just beyond the 1inch (25 mm) mark and pull at a 90 degree angle.
 - 7. If dissimilar substrates are being sealed, check the adhesion of sealant to each substrate separately. This is accomplished by extending the vertical cut along one side of the joint, checking adhesion to the opposite side, and then repeating for the other side.
 - 8. Pass criteria: When extended to its rated value, sealant remains intact or sealant tears in cohesion. Fail criteria: Before or at extension to its rated value, sealant releases from either substrate.
 - Inspect the joints for complete fill. The joints should not have voids, and joint dimensions indicated.
 - 10. Repair the sealant pulled from the test area by applying new sealant to the test area. Care should be taken to ensure that the original sealant surfaces are clean and that the new sealant is in contact with the original sealant.
- E. Report results.

3.07 SCHEDULE

A. General:

- 1. Seal joints in exterior envelope to prevent the entry or escape of water or air.
- 2. Seal joints on the interior of the building to prevent the passage of water or air from space to space or between adjacent building materials and assemblies.
- 3. Joints of a nature similar to that of joints indicated shall be sealed with same sealer, whether specifically indicated on the drawings and schedules to be sealed or not.
- B. Typical Exterior Joints:
 - 1. Including, but not limited to:
 - a. Wall joints.
 - b. Joints around perimeter of frames.
 - c. Joints around pipes, ducts, and conduit penetrating exterior walls.
 - d. Joints in wash surfaces of precast concrete, cast stone, cut stone, or concrete or brick masonry.
 - e. Masonry joints with shelf angles.
 - f. Joints between new and existing walls.
 - g. Exterior joints for which no other sealer is indicated.
 - 2. Use high movement silicone sealant unless otherwise indicated.
- C. Sealant in contact with Weather-Resistant Membrane, concealed from view and concealed from exposure to UV light:
 - 1. Silicone for low-energy substrates.
- D. Precompressed Foam Seals:
 - 1. Provide in the locations indicated on the Drawings.
 - 2. Seals with color silicone facer: After placement of foam seal, apply a fillet bead of gunnable silicone to mate facer with adjacent substrate.
 - 3. Horizontal grade seals: Set in epoxy adhesive.
- E. Metal Flashings:
 - 1. Including, but not limited to:

- a. Joints in flashing, gravel stops, fascia, and coping and between them and adjacent construction.
- b. Where flashing is inserted into reglet in wall, and top edge of surface mounted reglets.
- 2. Use high movement silicone sealant.
- F. Exterior Door Thresholds: Set thresholds in butyl sealant.
- G. Between Roof Curbs and Mechanical Units: Use butyl polyisobutylene tape sealer.
- H. Typical Interior Joints:
 - 1. Including, but not limited to:
 - a. Between walls or partitions and adjacent casework, laboratory furniture, fixed shelving, fixed equipment, lighting fixtures, laboratory piped utility fittings.
 - b. Between concrete or masonry or other material and the perimeters of frames of doors, windows, access panels, etc. (Note: Sealing of gypsum panel/metal stud construction is specified in Section 09 21 16.)
 - c. Between hollow metal jambs and resilient flooring.
 - d. Between concrete or masonry walls or partitions and adjacent columns, pilasters, walls, partitions, floors, ceilings, or other construction.
 - e. In control or expansion joints in concrete or masonry walls or partitions.
 - f. Around penetrations such as electrical boxes, plumbing, cabinets, ducts, and other openings in concrete or masonry walls or partitions. Comply with recommendations and details in USG Corporation's "Gypsum Construction Handbook".
 - g. Interior joints for which no other sealer is indicated.
 - 2. Use the following sealant:
 - a. One part, nonsag urethane sealant.
- I. Joints in Interior Wet Areas:
 - 1. Including, but not limited to:
 - a. Toilet rooms.
 - b. Bathrooms.
 - c. Breakrooms.
 - d. Between walls or other surfaces and adjacent plumbing fixtures, fittings, and casework.
 - 2. Use the following sealants:
 - a. Mildew-resistant silicone sealant.
- J. Joints in Floor or Wall Tile:
 - 1. Including locations specified in Section 09 30 00.
 - 2. Use urethane sealant, Use T for floor joints, Use NT for wall joints.
 - 3. Backer: Backer rod.
 - 4. Joint shape: Flush joint configuration.
 - 5. Color: Match adjacent grout color, unless otherwise indicated.
- K. Pedestrian Paving Joints and Interior Floor Joints:
 - 1. Use urethane sealant for Use T.
 - 2. Use bond-breaker tape.
 - 3. Backer: Joint filler specified elsewhere.
 - 4. Joint shape: Flush joint configuration.

SECTION 07 95 13 - EXPANSION JOINT COVER ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Expansion joint cover assemblies for floor, wall, and ceiling surfaces.

1.02 REFERENCE STANDARDS

- A. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- B. ASTM B221M Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2013.
- C. ASTM B308/B308M Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles; 2020.

1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements for submittal procedures.
- B. Product Data: Provide joint assembly profiles, profile dimensions, anchorage devices and available colors and finish.
- C. Shop Drawings: Indicate joint and splice locations, miters, layout of the work, affected adjacent construction and anchorage locations.
- D. Manufacturer's Installation Instructions: Indicate rough-in sizes and required tolerances for item placement.
- E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 for additional provisions.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Expansion Joint Cover Assemblies:
 - 1. Construction Specialties, Inc: www.c-sgroup.com/#sle.
 - 2. Inpro: www.inprocorp.com/#sle.
 - 3. MM Systems Corp: www.mmsystemscorp.com/#sle.
 - 4. Substitutions: See Section 01 60 00 Product Requirements.

2.02 EXPANSION JOINT COVER ASSEMBLY APPLICATIONS

- A. Interior Floor Joints with metal cover Subject to Seismic Movement (07 9513.FJC):
 - Manufacturers:
 - a. Basis of Design: InPro, 430-A01-100.
 - b. Substitutions: See Section 01 60 00 Product Requirements.
- B. Interior Floor Joints with metal cover Subject to Seismic Movement (07 9513.FJC2):
 - Manufacturers:
 - a. Basis of Design: InPro, 516-A01.
 - 1) Pedestrian Walkway adjacent to Student Center: 516-A01-075
 - b. Substitutions: See Section 01 60 00 Product Requirements.
- C. Interior Floor Joints with metal cover Subject to Seismic Movement (07 9513.FJC3):
 - 1. Manufacturers:
 - a. Basis of Design: InPro, 806-A01-100.
- D. Interior Floor Joints with Metal Cover Subject to Seismic Movement (07 9513.FJC4)
 - 1. Manufacturers:
 - a. Basis of Design: InPro, 801-A02.
 - 1) Stair B adjacent to Frazee on First Floor: 801-A02-100

- b. Other Acceptable Manufacturers
 - 1) Erie Metal Specialties, Inc., ALCP-Series.
- b.c. Substitutions: See Section 01 60 00 Product Requirements.
- E. Interior Non-Fire-Rated Floor/Ceiling Joints Subject to Seismic Movement (07 9513.FJW):
 - Manufacturers:
 - a. Basis of Design: InPro, 430-A02-100.
 - b. Substitutions: See Section 01 60 00 Product Requirements.
- F. Interior Non-Fire-Rated Wall/Ceiling Joints Subject to Seismic Movement (07 9513.WJC):
 - 1. Manufacturers:
 - a. Basis of Design: Inrpo, 611-A07-100..
 - b. Substitutions: See Section 01 60 00 Product Requirements.
- G. Interior Ceiling Joints with metal cover Subject to Seismic Movement (07 9513.CJC):
 - 1. Manufacturers:
 - a. Basis of Design: InPro, 611-A07-100.
 - b. Substitutions: See Section 01 60 00 Product Requirements.
- H. Interior Fire-Rated Wall/Ceiling Joints Subject to Seismic Movement (07 9513.FRWJC):
 - 1. Manufacturers:
 - a. Basis of Design: InPro, 114-A09:.
 - 1) For use adjacent to Frazee: 114-A09-100
 - 2) For use adjacent to Student Center: 114-A09-075
 - b. Substitutions: See Section 01 60 00 Product Requirements.
- I. Interior Floor/Wall Joints Subject to Seismic Movement (07 9513.FRFJW):
 - Manufacturers:
 - a. Basis of Design: InPro, 516-A02..
 - 1) For use adjacent to Frazee: 516-A02-100
 - 2) For use adjacent to Student Center: 516-A02-075
 - b. Substitutions: See Section 01 60 00 Product Requirements.
- J. Interior Fire-Rated Floor/Wall Joints Subject to Seismic Movement (07 9513.FRFJW2):
 - 1. Manufacturers:
 - a. Basis of Design: InPro, 806-A02-100 with fire blanket.
 - b. Substitutions: See Section 01 60 00 Product Requirements.

2.03 EXPANSION JOINT COVER ASSEMBLIES

- A. Expansion Joint Cover Assemblies General: Factory-fabricated and assembled; designed to completely fill joint openings, sealed to prevent passage of air, dust, water, smoke; suitable for traffic expected.
 - 1. Joint Dimensions and Configurations: As indicated on drawings.
 - 2. Joint Cover Sizes: Selected to suit joint width and configuration, based on manufacturer's published recommendations and limitations.
 - 3. Lengths: Provide covers in full lengths required; avoid splicing wherever possible.
 - 4. Anchors, Fasteners, and Fittings: Provided by cover manufacturer.
- B. Floor Joint Covers: Coordinate with indicated floor coverings.
- C. Covers In Gypsum Board Assemblies: Provide style with anchoring wings that can be completely covered by joint compound.
- D. Covers In Fire Rated Assemblies: Provide cover assembly having fire rating equivalent to that of assembly into which it is installed.

2.04 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M), 6063 alloy, T6 temper; or ASTM B308/B308M, 6061 alloy, T6 temper.
- B. Resilient Seals:
 - 1. For Ceilings: Any resilient material, flush, pleated, or hollow gasket.

- C. Anchors and Fasteners: As recommended by cover manufacturer.
- D. Ferrous Metal Anchors: Galvanized where embedded in concrete or in contact with cementitious materials.
- E. Threaded Fasteners: Aluminum.
- F. Backing Paint for Aluminum Components in Contact with Cementitious Materials: Asphaltic type.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that joint preparation and dimensions are acceptable and in accordance with manufacturer's requirements.

3.02 INSTALLATION

- A. Install components and accessories in accordance with manufacturer's instructions.
- B. Align work plumb and level, flush with adjacent surfaces.
- C. Rigidly anchor to substrate to prevent misalignment.

3.03 PROTECTION

A. Do not permit traffic over unprotected floor joint surfaces.

SECTION 08 51 13 - ALUMINUM WINDOWS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Factory-assembled, factory-glazed windows.
- B. Trim.
- C. Sealing of windows to adjacent interior and exterior construction.

1.02 REFERENCES

- A. AAMA 1503 Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections; 2009.
- B. AAMA 511 Voluntary Guideline for Forensic Water Penetration Testing of Fenestration Products;2008.
- C. AAMA 701/702 Combined Voluntary Specifications for Pile Weatherstrip and Replaceable Fenestration Weatherseals; 2011.
- D. AAMA CW-10 Care and Handling of Architectural Aluminum From Shop to Site; 2015.
- E. AAMA/WDMA/CSA 101/I.S.2/A440 North American Fenestration Standard/Specification for windows, doors, and skylights; 2017.
- F. ASTM B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- G. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- H. ASTM E1105 Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference; 2015.
- I. ASTM E1996 Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes; 2017.
- J. ASTM E2190 Standard Specification for Insulating Glass Unit Performance and Evaluation; 2010.
- K. ASTM E283 Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2004 (Reapproved 2012).
- L. ASTM E330/E330M Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2014.
- M. ASTM E331 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2016).
- N. ASTM E783 Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors; 2002 (Reapproved 2018).
- O. ICC A117.1 Accessible and Usable Buildings and Facilities; 2017.
- P. NFRC 100 Procedure for Determining Fenestration Product U-factors; 2017.
- Q. ANSI A117.1 1986 edition

1.03 SUBMITTALS

- A. Initial Product Information:
 - 1. Product Data: Provide manufacturer's product data demonstrating compliance with the Contract Documents. Illustrate construction of units and internal drainage details.
 - 2. Samples: Submit one full unit 46 x 90 inches in size. Include:
 - a. Frame section.
 - b. Operating sash.

- c. Mullion section.
- d. Factory finishes.
- e. Glass and glazing materials.
- f. Trim.
- 3. Samples: Submit cut-away section 12 x 12 inches in size illustrating:
 - a. Frame section.
 - b. Operating sash.
 - c. Mullion section.
 - d. Factory finishes.
 - e. Glass and glazing materials.
 - f. Trim.
- 4. Manufacturer's Installation Instructions: Include complete preparation, installation, joining, sealing, and cleaning requirements.
- 5. Certificates: Submit independent testing laboratory certification of compliance with AMMA, NFRC, ASTM, and other specified performance criteria.

B. Shop Drawings:

- Indicate opening dimensions, elevations for different types, framed opening tolerances, method for achieving air and vapor barrier seal to adjacent construction, anchorage locations, and requirements for coordinating sealing to and anchoring to adjacent construction.
- 2. Show required trim.
- C. In-Progress Reports:
 - 1. Field test reports.
- D. Closeout Submittals: Warranty.

1.04 QUALITY ASSURANCE

A. Installer Qualifications:

 Installers shall hold a current "InstallationMasters" identification card, demonstrating certification through the InstallationMasters Program provided by the Building Environment and Thermal Envelope Council (BETEC) through the U.S. Department of Energy and developed by the American Architectural Manufacturers Association (AAMA). www.installationmastersusa.com.

B. Mock-Up:

- 1. Before beginning the installation of windows, construct a mock-up of one window on the building in a location acceptable to the Architect.
 - a. Mock-up the complete exterior wall assembly including back-up, weather and thermal protection, anchorage devices, flashings, and seals.
 - b. Cover the mock-up with interior finishes only when all of the following have been satisfied: 1) When mock-up has been accepted by Architect, and 2) Architect so directs in writing.

2. Scheduling:

- a. Provide notice to the Architect of the anticipated starting and ending times and dates when each material included in the mock-up will be constructed, so that the Architect may observe the installation of such materials prior to covering with subsequent materials.
- b. Schedule construction of the entire mock-up to occur over a time period acceptable to the Architect.
- 3. Approved mock-ups (in conjunction with the other requirements of the Contract Documents) shall be a standard of quality for judging the Work.

1.05 DELIVERY, STORAGE, AND PROTECTION

A. Comply with requirements of AAMA CW-10.

B. Protect finished surfaces with wrapping paper or strippable coating during installation. Do not use adhesive papers or sprayed coatings that bond to substrate when exposed to sunlight or weather.

1.06 ENVIRONMENTAL REQUIREMENTS

A. Do not install sealants when ambient temperature is less than 40 degrees F and when temperatures are expected to drop below point during the curing period specified by the sealant manufacturer.

1.07 WARRANTY

- A. Manufacturer's Warranty.
 - Windows furnished are certified as fully warranted against any defects in material or workmanship under normal use and service for a period of ten years from date of fabrication.
 - Provide ten year manufacturer warranty against failure of glass seal on insulating glass units, including interpane dusting or misting. Include provision for replacement of failed units.
 - 3. Provide ten year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Aluminum Windows:
 - 1. Basis of Design: Graham Architectural Products; Product Series GT2200 Single Hung.
 - 2. St. Cloud; 5020 series Architectural Grade single-hung historic windows.
 - 3. Winco; 4410S series Architectural Grade single-hung historic windows.
- B. Substitutions: See Section 01 60 00 Product Requirements.
 - 1. Note: pour and de-bridge thermal breaks are not acceptable.

2.02 PERFORMANCE REQUIREMENTS

- A. Each unit shall be labeled with a certificate attesting to compliance with AAMA/WDMA/CSA 101/I.S.2/A440, NFRC 100, and other applicable standards for the performance levels specified below.
- B. Design windows and size components to withstand the following load requirements, when tested in accordance with ASTM E330/E330M using test loads equal to 1.5 times the design wind loads with 10 second duration of maximum load:
 - Design Wind Loads: As indicated on the Structural Drawings for components and cladding.
 - 2. Member Deflection: Limit member deflection to 1/175 in any direction, with full recovery of glazing materials.
- C. Wind-Borne Debris Resistance: Tested by independent agency and passed in accordance with ASTM E1996 for Wind Zone 1 enhanced protection for large and small missile impact and pressure cycling under design wind pressure.
- D. Windows within accessible and adaptable dwellings shall comply with the following:
 - 1. ANSI A117.1 1986 edition, Section 4.12.
 - 2. ICC A117.1.
- E. Additional Requirements:
 - 1. Comply with AAMA/WDMA/CSA 101/I.S.2/A440 with additional requirements as follows:
 - 2. Performance Class: AW.
 - 3. Performance Grade: 40.
 - 4. Water Leakage: None, when measured in accordance with ASTM E331 with a test pressure difference of 12 lbf/sq ft.

- 5. Air Infiltration: Limit air infiltration through assembly to 0.25 cu ft/min/sq ft of window unit, measured at a reference differential pressure across assembly of 6.24 psf as measured in accordance with ASTM E283.
- Thermal U-factor of window unit, including glazing and framing, determined per NFRC 100: 0.45.
- 7. Maximum SHGC of fenestration: 0.40.
- 8. Condensation Resistance Factor: CRF of 62 when measured in accordance with AAMA 1503.

2.03 WINDOWS

- A. Profiles: Head, jamb, and sill profile as indicated on the drawings. The sashes shall have cast aluminum historic lugs as shown in the drawings. Show lugs in shop drawings.
- B. Aluminum frame and sash; factory fabricated and assembled, factory glazed, and factory finished.
- C. Operation:
 - 1. Fixed, non-operable sash.
 - Single hung.

2.04 GLAZING

- A. General Requirements:
 - 1. Comply with ASTM E2190, Class CBA.
 - 2. Purge inter-pane space with dry air, hermetically sealed.
- B. Clear Insulating Low-E Glass Units: Double pane with glass to elastomer edge seal.
 - 1. Outer pane of clear glass, inner pane of clear glass.
 - 2. Low-E Coating: Place low-e coating on No. 2 surface within the unit.
- C. Edge Seal Construction: Aluminum, bent and soldered corners.

2.05 ACCESSORIES

- A. Provide trim and profiles as shown and as necessary for a complete installation.
 - 1. Basis of Design:
 - a. Typical Panning: Graham Architectural Products; Graham Fulton #2 profile. To be fabricated by manufacturer.
 - b. Deep Panning: Graham Architectural Products; Graham North HS 6.5 inch profile. Manufacturer fabricated.
 - 2. The exterior perimeter caulk joint leg of the profiled pre-set panning must be at least 1.25 inch long in order to provide adequate space for both the backer rod and the exterior perimeter seal at the head and jamb conditions.
- B. Fasteners: Non-corrosive.
 - 1. Do not use exposed fasteners on exterior except where unavoidable for application of hardware. Match finish of adjoining metal.
 - 2. Provide non-magnetic stainless steel, tamper-proof screws for exposed fasteners, where required, or special tamper-proof fasteners.
 - 3. Locate fasteners so as not to disturb the thermal barrier construction of windows.
- C. Anchors, Clips And Window Accessories: Depending on strength and corrosion-inhibiting requirements, fabricate units of aluminum, non-magnetic stainless steel or hot-dip zinc coated steel or iron complying with ASTM A 123.
- D. Provide brackets for securing units to rough opening.
- E. Flexible Flashing around window opening.
 - 1. ProSoCo, Inc.; Fast Flash Liquid flashing membrane: www.prosoco.com.
- F. Operable Sash Weather Stripping:
 - 1. Dual weatherstripping (two independent lines), permanently resilient, profiled to effect weather seal.

- 2. Double weatherstripping using silicone coated woven pile with a polypropylene center fin; permanently resilient, profiled to maintain weather seal in accordance with AAMA 701/702.
- G. Weather Seal: High movement silicone sealant specified in Section 07 92 00.
- H. Provide all related flashings, and anchorage, and attachment devices.
- I. Master Frame: Not more less than 5-4 inches and not more than 5 inches in depth.
- J. Locking Hardware: Provide hardware to lock windows in dark bronze.
- K. Provide balances.

2.06 MATERIALS

- A. Extruded Aluminum: ASTM B221, 6063 alloy, T6 temper.
- B. Sheet Aluminum: ASTM B209, 5005 alloy, H12 or H14 temper.

2.07 FABRICATION

- A. Fabricate components with smallest possible clearances and shim spacing around perimeter of assembly that will enable window installation and dynamic movement of perimeter seal.
- B. Accurately fit and secure joints and corners. Make joints flush, hairline, and weatherproof.
- C. Prepare components to receive anchor devices.
- D. Arrange fasteners and attachments to ensure concealment from view.
- E. Prepare components with internal reinforcement for operating hardware.
- F. Provide steel internal reinforcement in mullions as required to meet loading requirements.
- G. Provide internal drainage of glazing spaces to exterior through weep holes.
- H. Factory glaze window units.

2.08 FINISHES

- A. Aluminum Finish:
 - 1. Superior Performance Organic Coating System: AAMA 2605 70% Kynar baked on, electrostatically applied enamel coating.
- B. Color: Frame and panning colors as scheduled.
- C. Exposed Hardware: Enameled to match window color as scheduled.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that wall openings and adjoining air and vapor seal materials are ready to receive windows.

3.02 PREPARATION

- A. Existing Construction:
 - 1. Existing windows were removed during selective demolition. Secure weather tight covering has been installed at all window openings. Do not remove weather tight covering until new windows are available and ready for immediate installation. Do not leave any openings uncovered at end of working day, during wind-driven precipitation or during excessively cold weather.
 - 2. Remove existing work carefully; avoid damage to existing work to remain.
- B. Perform operations as necessary to prepare openings for proper installation and operation of new retrofit units or new construction units.
- C. Verify openings are in accordance with shop drawings and Architects Drawings.

3.03 INSTALLATION

- A. Install windows in accordance with manufacturer's instructions.
- B. Ensure that aluminum sill angle is in place, secured, and properly sealed water-tight to the weather resistant barrier.
- C. Attach window frame and shims to perimeter opening to accommodate construction tolerances and other irregularities.
 - 1. Raise unit on plastic shims at sill. Do not rest unit directly on sill.
 - 2. Secure unit to rough opening with mounting brackets. Locate brackets within 4 to 6 inches of each corner and additionally at 15 inches o.c. Locate brackets at each mull and check and meeting rail.
 - 3. Do not install brackets along sill or penetrate sill flashing.
 - 4. Locate shims at each mounting bracket.
- D. Align window plumb and level, free of warp or twist. Maintain dimensional tolerances and alignment with adjacent work.
- E. Coordinate attachment and seal of perimeter air barrier and vapor retarder materials.
- F. Install perimeter sealant in accordance with requirements specified in Section 07 92 00 Joint Sealers.
- G. Install operating hardware that is not pre-installed by manufacturer.

3.04 ERECTION TOLERANCES

A. Maximum Variation from Level or Plumb: Not more than 1/16 inches every 3 ft non-cumulative nor more than 1/8 inches per 10 ft.

3.05 FIELD QUALITY CONTROL

- A. Test installed windows assemblies for compliance with performance requirements for water penetration, in accordance with ASTM E1105, and as follows.
 - 1. Arrange the test apparatus so as to test not only the window assembly, but also to test the seal between it and the adjacent weather barrier (such as dampproofing on masonry, weather barrier on sheathing, etc.). Perform testing prior to installation of cladding (such as brick, siding, panels, etc.).
 - 2. Perform testing at a uniform pressure equal to 2/3's of the manufacturer's published laboratory test value for water penetration.
 - 3. First establish an air pressure of 50% of the required value, hold for 5 minutes, and report any water leakage; then establish an air pressure of 75% of the required value, hold for 5 minutes, and report any water leakage; then establish the required air pressure and complete the test in accordance with ASTM E1105.
 - a. Method A: Hold air pressure at 100% of the required value for 15 minutes, and report any water leakage.
 - 4. In the event that the test of a unit fails, perform additional forensic water penetration testing on that same unit in accordance with 1 to identify and analyze the nature of the failure.
- B. Field test for air leakage in accordance with ASTM E783 with uniform static air pressure difference specified in PART 2.
 - Maximum allowable rate of air leakage is 1.5 times the rate specified in PART 2 as indicated in AAMA/WDMA/CSA 101/I.S.2/A440.

C. Frequency:

- 1. Test windows installed on the building at the following frequency:
- 2. Test 5 percent of installed windows; include each type and configuration.
- 3. If any window fails, test additional windows at Contractor's expense.
- D. Replace if required or make corrections necessary to windows that have failed field testing so as to bring them into newly manufactured conforming condition, and retest until performance is satisfactory.

3.06 PROTECTION

A. Do not allow caustic or acidic materials such as cement, lime, mortar, or chemicals (or other agents that would stain or mar) to contact frame or glass surfaces.

3.07 ADJUSTING AND CLEANING

- A. Adjust hardware for smooth operation and secure weathertight closure.
- B. Remove protective material from factory finished surfaces.
- C. Wash surfaces by method recommended and acceptable to window manufacturer; rinse and wipe surfaces clean.
- D. Remove excess sealant by moderate use of solvent acceptable to window manufacturer.
- E. Remove exposed labels only after the approval of the Architect and prior to final completion of the Project. At final completion of the project, glass shall be clean and polished inside and outside, without visible dirt, dust, or staining of any kind.

SECTION 08 80 00 - GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Clear Float Glass.
- B. Clear Tempered Glass.
- C. Insulating Clear Glass with Low-E Coating.

1.02 REFERENCES

- A. 16 CFR 1201 Safety Standard for Architectural Glazing Materials; Current Edition.
- B. ANSI Z97.1 American National Standard for Safety Glazing Materials Used in Buildings Safety Performance Specifications and Methods of Test; 2015.
- C. ASTM C1036 Standard Specification for Flat Glass; 2016.
- D. ASTM C1048 Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.
- E. GANA (GM) GANA Glazing Manual; 2008.
- F. GANA (SM) GANA Sealant Manual; 2008.
- G. ASTM E 773 Standard Test Method for Accelerated Weathering of Sealed Insulating Glass Units; 2001.
- H. ASTM E 774 Standard Specification for the Classification of the Durability of Sealed Insulating Glass Units; 1997.

1.03 SUBMITTALS

- A. Product Data on Glass Types: Provide structural, physical and environmental characteristics, size limitations, special handling or installation requirements.
- B. Samples: Submit two samples 12 x 12 inch in size of glass and plastic units, showing coloration and design.

1.04 QUALITY ASSURANCE

A. Perform Work in accordance with GANA (GM) and GANA (SM) for glazing installation methods.

1.05 WARRANTY

A. Provide a ten year warranty to include coverage for sealed glass units from seal failure, interpane dusting or misting, and replacement of same.

PART 2 PRODUCTS

2.01 SUBSTITUTIONS

A. Refer to Section 01 60 00 - Product Requirements.

2.02 MANUFACTURERS

- A. Glazing Film:
 - 1. 3M Window Film: www.3m.com/US/arch_construct/scpd/windowfilm.
 - 2. Substitutions: See Section 01 60 00 Product Requirements.

2.03 FLAT GLASS MATERIALS

- A. Clear Float Glass (08 80 00.CF): Clear, annealed.
 - Comply with ASTM C1036, Type I, transparent flat, Class 1 clear, Quality Q3 (glazing select).
 - 2. Comply with ASTM C1048. Provide Type HS (heat strengthened) glass except where Type FT (fully tempered) is required.

- B. Tempered Safety Glass (08 80 00.TS): Clear; fully tempered with horizontal tempering.
 - Comply with ASTM C1036, Type I, transparent flat, Class 1 clear, Quality Q3 (glazing select) and ASTM C1048.
 - 2. Comply with ANSI Z97.1.
- C. Spandrel Glass (08 80 00.SP): Heat strengthened, clear.
 - Ceramic fused frit of color on back surface. To match adjacent aluminum framing.
- D. Silkscreened Ceramic Frit Glass (08 00 00.CF): Heat strengthened, clear.
 - 1. Ceramic fused frit paint through a pre-designed screen with pattern.
 - 2. Products: Basis of Design: Trulite; Silkscreened Ceramic Frit Glass; www.trulite.com
 - a. Basis of Design: Trulite; Silkscreened Ceramic Frit Glass, www.trulite.com.
 - b. Substitutions: See Section 01 60 00 Product Requirements.
 - 3. Pattern: To be selected from manufacturer's standard patterns.
- E. Glazing Film (08 80 00.GF):
 - 1. Products:
 - a. Basis of Design: 3M; Fasara, www.3m.com.

2.04 FIRE RATED GLAZING PRODUCTS

- A. Fire Rated Safety Glass: (08 80 00.FS) Laminated Ceramic Glazing Material.
 - 1. Safety Rated: Laminated, Comply with ANSI Z97.1and CPSC 16 CFR 1201 (Cat I and II).
 - 2. Fire Rating: 20 minutes, 45 minutes, 60 minutes, 90 minutes, 3 hour with hose stream test.
 - 3. Thickness: 5/16 inch, (8 mm) overall.
 - 4. STC Rating: 35dB.
 - 5. Products:
 - a. FireLite Plus by Nippon Electric Glass Co., distributed by Technical Glass Products.
 - b. Pyran Platinum L; Schott North America, Inc.
 - c. SGG Keralite FR-L by Vetrotech Saint Gobain North America.
 - d. SuperLite X-45/60/90 by SaftiFirst.

2.05 SEALED INSULATING GLASS MATERIALS

- A. General Requirements:
 - Comply with ASTM E 774 and E 773, Class CBA.
 - 2. Purge interpane space with dry hermetic air.
- B. Clear Insulating Low-E Glass Units (08 80 00.ICE): Double pane with glass to elastomer edge seal.
 - 1. Outer pane of clear glass, inner pane of clear glass.
 - 2. Low-E Coating: Place low-e coating on No. 2 surface within the unit.
 - 3. Maximum Summer U-Value of unit: 0.27.
 - 4. Maximum Winter U-Value of unit: 0.29.
 - Maximum SHGC of 0.29.
 - 6. Minimum Visible Light Transmittance: 62%.
 - 7. Maximum Reflectivity, exterior: 12%.
 - 8. Maximum Reflectivity, interior: 13%
 - 9. Total unit thickness of 1 inch minimum.
 - 10. Provide tempered units where indicated on drawings.
 - 11. Products:
 - a. VNE1-63, by Viracon.
 - b. Guardian SNX-62/27, by Guardian certified fabricator.
 - c. Vitro Solarban 70XL, by Vitro certified fabricator.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that openings for glazing are correctly sized and within tolerance.
- B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and ready to receive glazing.

3.02 INSTALLATION

A. Install glazing in accordance with GANA (GM) and system manufacturer's instructions.

3.03 INSTALLATION - PLASTIC FILM

- A. Install plastic film with adhesive, applied in accordance with film manufacturer's instructions.
- B. Place without air bubbles, creases or visible distortion.
- C. Fit tight to glass perimeter with razor cut edge.

3.04 CLEANING

- A. Remove glazing materials from finish surfaces.
- B. Remove labels after Work is complete.
- C. Clean glass and adjacent surfaces.

SECTION 09 21 00 - PLASTER

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK:

- A. The intent of this project is to replace missing plaster on walls. Refer to drawings for extent of plaster repair. In addition to what is noted on the drawings, provide new finish coat at all existing load bearing walls currently finished with plaster. All electrical conduit will be recessed into plaster walls through partial trencingtrenching where needed. Plaster Subcontractor shall coordinate locations of outlets and any other data, life_safety, low voltage or electrical devices with Electrical Subcontractor prior to plastering. After the conduit is in place, Plaster Subcontractor shall cover conduit with new lath, plaster scratch and finish coats. The design intent acknowledges that there will be some unevenessunevenness in the finished wall surface.
- B. Contractor shall examine existing conditions and verify quanitities quantities prior to finalizing price.

1.02 SUMMARY

- A. Section includes:
 - 1. Natural hydraulic plaster: Flat plaster applied directly to metal lath on interior walls.
 - a. Repair of existing plaster.
 - b. Replacement of plaster.

1.03 REFERENCES

- A. ASTM C 206-97 -- Standard Specification for Finishing Hydrated Lime; 1984 (Reapproved 1997).
- B. ASTM C 841-97 -- Standard Specification for Installation of Interior Lathing and Furring; 1997.
- C. ASTM C 631-95a -- Standard Specification for Bonding Compounds for Interior Plastering; 1995

1.04 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for systems specified, demonstrating compliance with requirements. Where more than one type or style of a particular product is shown on the same page, clearly identify the specific product being submitted.
- B. Material Certificates: Submit producer's certification that each kind of bulk material, such as plaster sand, complies with specified requirements.
- C. Trade Contractor Qualifications: Trade contractor must have demonstrated proficiency in the restoration of historic properties by the successful performance of work of the nature specified on at least three historic properties in the last ten years, the foregoing installations having been the complete and undivided responsibility of the trade contractor. Trade contractor shall submit the following:
 - 1. Name of Foreman.
 - 2. Names of individual plaster installers.
 - 3. Certificate of Training for each installer <u>a ndand</u> foreman by the manufacturer of the products to be used on this project.
 - 4. Descirptions Descriptions of three similar projects performed by the trade contractor under the supervision of the foreman proposed for this project. Descriptions shall include a detailed description of the work, photographs, and names and contact information of the project's Owner, General Contractor and Architect.
- D. Plaster Mix Design: Submit proposed confirmation of mix design, where applicable, for plaster specified. Include proportions of NHL, sand and fiber.

1.05 QUALITY ASSURANCE

A. Installer: Firm with not less than 10 years of successful experience in plaster work similar in scope to work of this project.

- Maintain throughout duration of the work a crew who is fully qualified to satisfy requirements of the specifications.
- 2. Maintain throughout the duration of the work a qualified superintendent who has served in this role for the Trade Contractor on the projects submitted in the Contractor Pre-Qualification Affidavit.
- 3. All work of this section shall be performed by a single firm.
- B. Pre-installation Meeting: Convene one week prior to starting the work specified in this section and after the preconstruction testing has occurred. Discuss any issues, select locations for mock ups and establish a schedule for mock-up review and approval.
- C. Mock-ups: Construct mock-ups at locations approved by the Architect. Include typical edge details, and similar features. Approved mock-ups will establish the acceptable limits of variation in texture, pattern, color, and workmanship.
 - 1. Mock-up shall consist of the following:
 - a. One mock up of at least 3 linear feet, 9 square feet, or greater if required to fully execute the method.
 - 2. Perform mock-up only after all related submittals have been approved.
 - 3. Retain approved mock-ups in undisturbed condition, suitably identified, during restoration as a standard for judging completed work.
 - 4. Approved mock-up may remain as part of the permanent work.
 - 5. Mock-up shall be performed by foreman and installers who will be performing the work of this project.

1.06 UNIT PRICES

A. The scope of many of the methods of plaster work will be determined following selective demolition and subsequent plaster investigation. The Trade Contractor will provide a stipulated quantity of each of the specified methods. Any adjustments to these quantities determined necessary following the plaster investigation or identified throughout the execution of the work, will be made on the basis of unit prices.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original and unopened packaging, with brand names and manufacturer's labels intact and legible.
- B. Store materials in dry location, fully protected from weather and direct exposure to sunlight.

1.08 PROJECT CONDITIONS

- A. Environmental Requirements: Comply with provisions of ASTM C 842 and recommendations of gypsum plaster manufacturer for gypsum plastering for environmental conditions before, during, and after application of plaster.
 - Beginning at the start of the 1st coat application procedures and continuing until 14 days following completion of the final coat, the plaster trade contractor shall take humidity readings twice daily.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Natural Hydraulic Lime Plaster
 - 1. Products of the following manufacturers, provided they comply with requirements of the contract documents, will be among those considered acceptable:
 - a. U.S. Heritage Group, Chicago, Illinois, (773)-286-2100, www.usheritage.com. or approved equal.
 - b. St. Astier
 - c. Master of Plaster, Restoration Plaster, Columbia, SC 29209 (800)-352-5915

2.02 PLASTER MATERIALS

A. Base Coat Materials:

- Pre-mixed Natural Hydraulic Lime 2.0 Plaster Mix (NHL), mill-mixed aggregates and proprietry proprietary ingredients.
- 2. Sand: ASTM C35, for base coat plaster.
- B. Finish Coat Plaster Materials:
 - 1. Pre-mixed Natural Hydraulic Lime 2.0 Plaster Mix (NHL), mill-mixed aggregates and proprietry ingredients
 - 2. Sand: As needed to match finish. There are multiple finish textures on this project.

2.03 MISCELLANEOUS MATERIALS

- A. General: Provide miscellaneous materials as produced or recommended by plaster manufacturer.
- B. Wood Lath: To match existing. Use sound, straight-grained, wood strips.
 - 1. Lath shall be rough-cut, not sanded.
 - 2. Lath shall not be pressure-treated
- C. Fiber for Base Coat: Hemp fibers, 1/2 inch long, free of contaminants
- D. Bonding compounds and surface hardeners:
 - 1. Larsen Product Corp. is basis of design.
 - a. Surface Applied Bonding Compound; Polyvinyl Acetate Homopolymer; Weld Crete by Larsen Products Corp.
 - b. Surface Hardener; Acrylic Admix 101 by Larsen Products Corp.
- E. Water for mixing and finishing plaster: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.
- F. Fasteners for attaching lath to substrates:
- G. Fastener for use in pinning work:
 - 1. Self-tapping TAPCON screw. Hex head fastener with a shank diameter of ½". Length to achieve penetration and cover as described in the Execution section of this specification.
- H. Plate for use in pinning work:
 - 1. Wind-loc plastic washer ULP-302 or Demand Products DP-300 or approved alternate.

2.04 PLASTER MIXES

- A. General: Measure proportions accurately by volume. Use of shovels for measuring is not allowed. Mix plaster using mechanical mixers unless hand mixing is specifically approved by the Architect.
- B. Natural Hydraulic Plaster: Coordinate location of sample extraction with Architect and ensure that materials sampled are historic.
 - 1. Scratch and Brown Coats: 1 part NHL to 2.8 parts medium sand. Add fiber at 1 lb. per 3 cubic feet of plaster mix.
 - 2. Finish Coats: 1 part NHL to 2.8 parts fine sand. Mix may require alteration to match surface texture of existing plaster.

PART 3 - EXECUTION

3.01 METHODS OF PLASTER WORK

- A. The following treatment methods shall be used as specified in the Schedule of Plaster Work.
 - 1. R1. General Finish Coat Plaster Repair and Replacement of existing failing patches or loose paint and repair of existing depressions and minor damage.
 - a. Remove all existing plaster patches and peeling paint which are unstable or are not smooth or level with adjacent plaster.
 - Remove patched areas by scraping patch material out. Avoid damage to existing adjacent plaster.
 - Remove paint finish from repair area so that no new work is installed over existing paint.

- 3) If the patch did not extend through the full depth of the existing plaster to the substrate, apply a coat of surface hardener Admix A101 to the remaining plaster.
- 4) Apply one coat of surface applied bonding compound over the hardened remaining surface and at the full perimeter of the area to be plastered on the edge of the adjacent plaster to remain.
- 5) Fill all removed patches, matching depth of new coats to existing adjacent coats and making infilled areas smooth and level with adjacent surfaces. Match surface texture of adjacent historic plaster.
- b. Fill all existing depressions or minor damage, 1/16 inch deep or greater.
 - Remove existing damaged plaster and peeling paint back to a point at which sound material is reached.
 - Clean plaster surface adjacent to damaged area. Remove loose and foreign matter that could impair adhesion.
 - 3) Remove paint finish from repair area so that no new work is installed over existing paint.
 - 4) Apply a coat of surface hardener Admix A101 to the remaining plaster.
 - 5) Apply one coat of surface applied bonding compound over the hardened existing surface and at the full perimeter of the area, on the edge of the adjacent plaster to remain.
 - 6) Fill all voids, matching depth of new coats to existing adjacent coats and making infilled areas smooth and level with adjacent surfaces. Match surface texture of adjacent historic plaster.
- c. Provide finish coat at all areas where existing finish is rough in texture.
- 2. R2. Crack Repair: Repair all cracks greater than hairline in width.
 - a. Fill existing cracks with finish coat plaster.
 - Slightly widen the crack with a sharp, pointed tool or appropriately sized routing bit. Remove existing damaged plaster back to a point at which sound material is reached.
 - 2) Clean plaster surface adjacent to damaged area. Remove loose and foreign matter that could impair adhesion.
 - 3) Remove paint finish from repair area so that no new work is installed over existing paint.
 - 4) Wet existing surface prior to placement of plaster.
 - 5) Fill all voids matching depth of new coats to existing adjacent coats and making infilled areas smooth and level with adjacent surfaces. Match surface texture of adjacent historic plaster.
- 3. R3. Flat plaster: Finish coat only.
 - a. Selective removal and replacement of only the plaster finish coat within an area.
 - 1) Remove the finish coat which is debonded from the base coats. The rest of the finish coat is to remain. All of the base coat is to remain.
 - 2) Clean the surface. Remove loose and foreign matter that could impair adhesion.
 - 3) Remove paint finish from repair area so that no new work is installed over existing paint.
 - Scratch remaining base coat and scratch coat plaster to increase key to new plaster.
 - 5) Apply a coat of surface hardener Admix A101 to the remaining plaster.
 - 6) Apply one coat of surface applied bonding compound over the hardened remaining surface and at the full perimeter of the area to be plastered on the edge of the adjacent plaster to remain.
 - 7) Install a new finish coat. The <u>surfface surface</u> of the new finish coat shall be flush with and shall match the <u>exture texture</u> of the <u>adjacnet adjacent</u> existing plaster that remains.
- 4. R4. Flat plaster: All coat replacement.
 - a. Replacement of all coats of plaster.

- At masonry substrates, rake out mortar joints in exposed brick masonry to improve installation of new lath.
- 2) Install three coat plaster system, stepping the coats so that they overlap onto the exposed base coats at the perimeter of the replacement area. The surface of the new finish coat shall be flush with and shall match the texture of the adjacent existing plaster that remains.
- 5. T1. Selective trenching or removal and replacement of plaster.
 - a. Sawcut the perimeter of the areas indicated to be removed.
 - b. Remove plaster within the area bounded by the sawcut. The removal shall be full depth to the substrate.
 - 1) Exercise care to not damage substrate or adjacent elements.
 - c. Remove paint finish from adjacent plaster so that no new work is installed over existing paint.
 - d. Cut back the exposed edge of existing plaster to step back cut edge, exposing approximately 1 inch of each base coat.
 - e. Apply bonding compound at the full perimeter of the area to be plastered on the edge of the adjacent plaster to remain and to the surface of the masonry substrate.
 - f. Install new plaster. Match depth of new coats to existing adjacent coats. The surface of the new finish coat shall be flush with and shall match the texture of the adjacent existing plaster that remains.

3.02 PREPARATION

- A. Examination: Examine substrates, areas and conditions, with Installer present, for compliance with requirements for substrate and environmental conditions, installation tolerances, and other conditions affecting performance of the work.
 - If existing substrates cannot be prepared to an acceptable condition for plaster repair, notify Architect.
 - 2. Notify Architect of undocumented detrimental conditions including, cracks, bulges, loose back-up, rotted wood, and other deteriorated items.
 - 3. Begin plastering work only after unsatisfactory conditions have been corrected.
- B. Protection: Coordinate work and provide protective coverings to protect adjacent surfaces from soiling and damage.
 - 1. Provide protection for adjacent materials during plaster removal activities.
 - 2. Provide water-resistant protection under and around mixers and water containers.
 - 3. Enclose mixing area to protect adjacent occupied areas from dust.
 - 4. Wash all containers and equipment outside, in an area designated by the Owner.
- C. Cleaning: Clean all materials deleterious to plaster bond such as dust, dirt, and grease from the surfaces adjacent to the new plaster prior to installing new plaster.
- D. Remove existing paint finishes back to bare plaster without damaging the plaster surface.
 - 1. Remove existing paint in an area approximately 6 inches from the edge of the repair around the entire perimeter of the repair area.
 - 2. Where needed to successfully blend the finish texture of the new plaster with the existing, feather the edge of the plaster repair over the area of stripped plaster.
- E. Grounds and Screeds: Install temporary grounds and screeds as necessary to ensure accurate rodding of plaster to true surfaces, coordinate with scratch coat work.

3.03 ENVIRONMENTAL HEALTH AND SAFETY

A. The existing paint is known to contain lead. All applicable regulations must be followed in sanding, scraping or otherwise disturbing these materials including the removal of plaster with paint attached and in the disposal of these materials. Initial testing has been conducted by Environmental Corporation of America.

3.04 REMOVAL OF PLASTER

A. Remove areas of plaster as marked directly on the plaster during the Preconstruction Testing. Protect and do not damage adjacent plaster to remain. Repair any damage which occurs in

- accordance with the specified methods of repair for that element as described in the Schedule of Plaster Work.
- B. Prior to removing plaster, the perimeter of the section to be removed shall be sawcut in order to preserve the adjacent work which is to remain. The sawcut shall be stepped back at each coat, ultimately extending completely through all coats of the plaster to the substrate.
- C. Plaster shall be removed by chiseling from the side.
- D. Cut back the exposed edges of existing plaster to step back cut edge, exposing approximately 1 inch of each base coat.

3.05 PLASTER APPLICATION - GENERAL

- A. General: Comply with manufacturer's recommendations.
 - Coordinate plaster application with installation of adjacent work to avoid soiling and damage of plaster and other work.
- B. Base coats shall be scratched or cross-hatched with a comb to provide a key to hold the next coat.
- C. Allow 3 5 days for each coat to dry before the next coat is applied.
- D. Do not apply finish coat until base coats have cured for at least 48 hours and the base coat is firm. Dampen surface before application of finish coat.

E. Tolerances:

- Deviation from plane not to exceed 1/8 inch in 10 feet as measured with a straightedge at any location on surface unless this requirement conflicts with meeting the requirement of the following paragraphs.
 - a. New plaster application shall align with limits of the old plaster which has been removed. Note the visible evidence of limits of old plaster around the perimeter of each area and work the finish surface of the new plaster around the perimeter of each area to this mark. New plaster shall generally follow the contour of the existing plaster that was removed.

3.06 CURING

- A. After each coat, dampen surface a minimum of three times per day for the first 3 days after application using a fine mist of water to initiate carbonation. Additional misting is required if temperatures exceed 90 degrees F or if direct sunlight is affecting the surface temperature of the wall.
- B. Check for shrinkage cracks during the first 24 hours. Material can be reworked up to 24 hours after initial application. If necessary, lightly mist with water and dampen the relevant area to allow the water to penetrate the material.
- C. Do not apply latex or acrylic coating until finish coat has cured completely, approximately 4 weeks.

3.07 ADJUSTING

A. Corrections: Cut out and replace defective areas of new work so that repairs match acceptable work in all respects. Defective work includes, but is not limited to, areas showing cracks, dents, crazing, blisters, and other surface imperfections, as well as areas where bond to substrate has failed.

3.08 CLEANING

A. Removal: Remove and discard temporary protection after plaster work in each area has been completed. Carefully remove plaster from other exposed surfaces, leaving them in undamaged condition; dispose of packaging materials and plaster debris.

3.09 PROTECTION

A. Protect all existing materials from damage or soiling.

END OF SECTION

SECTION 09 84 30 - SOUND-ABSORBING WALL AND CEILING UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Sound-absorbing panels.
- B. Mounting accessories.

1.02 REFERENCE STANDARDS

- A. ASTM C423 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; 2017.
- B. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials; 2019b.

1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's printed data sheets for products specified.
- C. Shop Drawings: Fabrication and installation details, panel layout, and fabric orientation.
- D. Selection Samples: Manufacturer's color charts for fabric covering, indicating full range of fabrics, colors, and patterns available.
- E. Verification Samples: Fabricated samples of each type of panel specified; 12 by 12 inch, showing construction, edge details, and fabric covering.
- F. Test Reports: Certified test data from an independent test agency verifying that panels meet specified requirements for acoustical and fire performance.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 Product Requirements, for additional provisions.
 - 2. Extra Panels: Quantity equal to 5 percent of total installed, but not less than one of each type.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Protect acoustical units from moisture during shipment, storage, and handling. Deliver in factory-wrapped bundles; do not open bundles until units are needed for installation.
- B. Store units flat, in dry, well-ventilated space; do not stand on end.
- C. Protect edges from damage.

PART 2 PRODUCTS

2.01 FABRIC-COVERED SOUND-ABSORBING UNITS

- A. Manufacturers:
 - 1. FilzFelt; ARO Plank 1 (Basis of Design) :www.filzfelt.com/.
 - 2. CSI Wall Panels; Surfaces, Plug Folded Surfaces: www.csiwallpanels.com/
 - 3. Substitutions: See Section 01 60 00 Product Requirements.

B. General:

- 1. Prefinished, factory assembled fabric-covered panels.
- C. Fabric-Covered Acoustical Panels for Walls:
 - 1. Panel Core: Manufacturer's standard core.
 - 2. Panel Type and Size: Refer to drawings.
 - 3. Fabric: Felt.
 - 4. Color: As selected by Architect from manufacturer's full range.
 - 5. Mounting Method: Direct applied with adhesive.

2.02 FABRICATION

- A. Fabric Wrapped, General: Fabricate panels to sizes and configurations as indicated, with fabric facing installed without sagging, wrinkles, blisters, or visible seams.
- B. Tolerances: Fabricate to finished tolerance of plus or minus 1/16 inch for thickness, overall length and width, and squareness from corner to corner.

2.03 ACCESSORIES

A. Panel Adhesive: Acceptable to acoustical panel manufacturer for application as indicated.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine substrates for conditions detrimental to installation of acoustical units. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install acoustical units in locations as indicated, following manufacturer's installation instructions.
- B. Align panels accurately, with edges plumb and top edges level. Scribe to fit accurately at adjoining work and penetrations.
- C. Install acoustical units to construction tolerances of plus or minus 1/16 inch for the following:
 - Plumb and level.
 - Flatness.
 - 3. Width of joints.

3.03 CLEANING

A. Clean fabric facing upon completion of installation from dust and other foreign materials, following manufacturer's instructions.

3.04 PROTECTION

- A. Provide protection of installed acoustical panels until Date of Substantial Completion.
- B. Replace panels that cannot be cleaned and repaired to satisfaction of the Architect.

END OF SECTION 09 84 30

SECTION 10 14 00 - SIGNAGE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Room and door signs.
- B. Luminous egress path marking and other "glow-in-the-dark" signs.
- C. Emergency evacuation maps.

1.02 REFERENCE STANDARDS

- A. 36 CFR 1191 Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; current edition.
- B. ADA Standards Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- C. ICC A117.1 Accessible and Usable Buildings and Facilities; 2017.

1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's printed product literature for each type of sign, indicating sign styles, font, foreground and background colors, locations, overall dimensions of each sign.
- C. Signage Schedule: Provide information sufficient to completely define each sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
- D. Samples: Submit two samples of each type of sign, of size similar to that required for project, illustrating sign style, font and method of attachment.
- E. Selection Samples: Where colors are not specified, submit two sets of color selection charts or chips.
- F. Manufacturer's Installation Instructions: Include installation templates and attachment devices.

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Package signs as required to prevent damage before installation.
- B. Package room and door signs in sequential order of installation, labeled by floor or building.
- C. Store tape adhesive at normal room temperature.

1.04 FIELD CONDITIONS

- A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.
- B. Maintain this minimum temperature during and after installation of signs.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Flat Signs:

- 1. Best Sign Systems, Inc: www.bestsigns.com/#sle.
- Cosco Industries (ADA signs); ADA Series 1: www.coscoarchitecturalsigns.com/#sle.
- 3. Cosco Industries (non-ADA signs); Changeable Message Signs: www.coscoarchitecturalsigns.com/#sle.
- 4. FASTSIGNS: www.fastsigns.com/#sle.
- 5. Inpro: www.inprocorp.com/#sle.
- 6. Mohawk Sign Systems, Inc: www.mohawksign.com/#sle.
- 7. Seton Identification Products: www.seton.com/aec/#sle.
- 8. Substitutions: See Section 01 60 00 Product Requirements.

2.02 SIGNAGE APPLICATIONS

- A. Accessibility Compliance: Signs are required to comply with ADA Standards and ICC A117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most comprehensive and specific requirements.
- B. Room and Door Signs: Provide a sign for every doorway, whether it has a door or not, not including corridors, lobbies, and similar open areas.
 - 1. Sign Type: Flat signs with engraved panel media as specified.
 - 2. Provide "tactile" signage, with letters raised minimum 1/32 inch and Grade II braille.
 - 3. Refer to drawings for size of sign and character height.
 - 4. Office Doors: Identify with the room names and numbers indicated on drawings; in addition, provide "window" section for replaceable occupant name.
 - 5. Conference and Meeting Rooms: Identify with the room names and numbers indicated on drawings.
 - 6. Service Rooms: Identify with the room names and numbers indicated on drawings.
 - 7. Rest Rooms: Identify with pictograms, the names "MEN" and "WOMEN", room numbers indicated on the drawings, and braille.
- C. Luminous Egress Path Marking and Other "Glow-in-the-Dark" Signs: Photoluminescent media.

 1. Provide luminous egress path marking as required by local authority having jurisdiction.
- D. Emergency Evacuation Maps:
 - 1. Allow for one map per elevator lobby.
 - 2. Map content to be provided by Owner.
 - 3. Use glare free acrylic frame, reverse painted border, radius corners, with VHB tape on the backclear plastic panel silk-screened on reverse, in brushed aluminum frame, screwmounted.
 - 4. Frame size: 12 ½ inches x 15 ½ inches.

2.03 SIGN TYPES

- A. Flat Signs: Signage media without frame.
 - 1. Edges: Square.
 - 2. Corners: Square.
 - 3. Wall Mounting of One-Sided Signs: Tape adhesive.
- B. Color and Font: Unless otherwise indicated:
 - 1. Character Font: Helvetica, Arial, or other sans serif font.
 - Character Case: Upper case only.
 - 3. Background Color: To be selected by Architect.
 - 4. Character Color: Contrasting color.

2.04 TACTILE SIGNAGE MEDIA

- A. Engraved Panels: Laminated colored plastic; engraved through face to expose core as background color:
 - 1. Total Thickness: 1/16 inch.

2.05 NON-TACTILE SIGNAGE MEDIA

- A. Silk Screened Plastic Panels: Letters and graphics silk screened onto reverse side of plastic surface:
 - 1. Sign Color: Clear.
 - 2. Total Thickness: 1/8 inch.

2.06 ACCESSORIES

A. Tape Adhesive: Double sided tape, permanent adhesive.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate surfaces are ready to receive work.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install neatly, with horizontal edges level.
- C. Locate signs and mount at heights indicated on drawings and in accordance with ADA Standards and ICC A117.1.
- D. Protect from damage until Date of Substantial Completion; repair or replace damaged items.

END OF SECTION

SECTION 10 22 19 - DEMOUNTABLE PARTITIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Single Source for demountable partitions, inclusive of frames, glass, solid panels and doors.

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 Joint Sealants: Sealing acoustical gaps in construction other than gypsum board or plaster work.
- B. Section 08 14 33 Stile and Rail Wood Doors.
- C. Section 08 71 00 Door Hardware.
- D. Section 08 80 00 Glazing.

1.03 REFERENCE STANDARDS

- A. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- B. ASTM C1036 Standard Specification for Flat Glass; 2016.
- C. ASTM C1048 Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.
- D. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials; 2019b.
- E. ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009 (Reapproved 2016).

1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on each type of product indicated in this specification.
- C. Shop Drawings: Provide shop drawings for demountable partitions to include:
 - 1. Plans, elevations, sections, connection details and attachment details to other work.
 - Field Measurements for custom modular installation, including finish width and height of partitions.
 - 3. Structural analysis data for installed products, signed and sealed by a licensed professional engineer responsible for their preparation.
 - 4. Coordinate electrical provisions to be included in partitions with final <u>cicuited</u> electrical drawings and schedules.
- D. Samples: Submit two samples 4 by 4 inch in size illustrating panel finish face, frame finish, trim finish, door face finish and glazing..
- E. Manufacturer's Instructions: Indicate special procedures.
- F. Installer's Qualification Statement.
- G. Maintenance Data: Provide information for inclusion into operation and mainenancemaintenance manuals.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with not less than three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.

1.06 PROJECT CONDITIONS

A. Do no deliver demountable partition components until building is enclosed and finishing operations are complete, incuding including ceiling and floor covering installation and painting.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Haworth; www.haworth.com/na/en.html
- B. Basis of Design: Teknion; Altos; www.teknion.com
- C. Steelcase; www.steelcase.com
- D. DIRTT Environmental Solutions; www.dirtt.com
- E. KI; www.ki.com
- <u>E</u>F. Approved Equal.

2.02 MODULAR DEMOUNTABLE PARTITIONS

- A. Solid panels
 - 1. Extruded Aluminum Frame
 - a. Finish: To be selected by Architect
 - 2. Partition width: provide up to 3 inches clear wall cavity between panels for distribution of utilities accessible on either side of the wall.
 - 3. Face panels:
 - a. Thickness: 1/2 inch
 - b. Width and Height: As indicated on drawings.
 - c. Panel Type:
 - 1) Wood Veneer Panel
 - 2) Upholstered Acoustic Panel
 - 3) Magnetic Whiteboard
 - 4. Electrical, Communications, and Security System Requirements: Provide for installation of electrical, communications and security system items.
 - 5. Performance Requirements:
 - a. Acoustic Attenuation: STC of 47 calculated in accordance with ASTM E413, based on tests conducted in accordance with ASTM E90.
- B. Glass Panels
 - 1. Extruded Aluminum Frame
 - a. Finish: To be selected by Architect
 - 2. Glazing: Glass type indicated complying with Section 08 80 00.
 - a. Glass type: Tempered Safety Glazing (08 80 00.TS)
- C. Frame Base
 - 1. Provide frame base with provisions for height adjustment to accommodate floor variances.
 - 2. Provide a leveling mechanism for making fins adjustment in height over adjustment range of the product.
- D. Connections and Supports: Manufacturer's standard connections and supports that connect and release from floor and ceiling without damage using carpet grippers. Provide physical connection to bulkheads above.
- E. Panel Joint Closure: Manufacturer's standard, capable of closing up to a 1 inch gap between demountable partition and adjacent gypsum board partition.
- F. Trim: Continuous and modular, facetryfactory-finished.
 - 1. Finish: To be selected by Architect.

2.03 DOOR AND WINDOW COMPONENTS

- A. Frames: Manufacturer's standard.
- B. Stile and Rail Wood Doors: Specified in Section 08 14 33.
- C. Door Hardware: Specified in Section 08 71 00.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that building conditions are ready to receive partitions and that field measured dimensions are as indicated on shop drawings.

3.02 INSTALLATION

- A. Install partitions after placement of floor finish.
- B. Frames: Install in accordance with partition system manufacturer's instructions; erect vertical members plumb, and horizontal members level.
- C. Doors: Install in accordance with partition system manufacturer's instructions; hang to fit square within frame and to swing freely, without binding.
- D. Door Hardware: Install in accordance with partition system manufacturer's instructions.
- E. Glazing: Install in accordance with partition system manufacturer's instructions.

3.03 TOLERANCES

A. Maximum Variation from True Plane of Partition Surfaces: 1/8 inch in 10 feet in any direction.

3.04 ADJUSTING

A. Adjust doors and frames to provide smooth door operation from open to closed position without gravity movement of door from any position.

3.05 PROTECTION

A. Do not permit subsequent construction activities to cause damage to appearance or operation of installed partition components before Date of Substantial Completion.

END OF SECTION

SECTION 10 28 00 - TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Commercial toilet accessories.
- B. Institutional ligature-resistant toilet accessories.
- C. Under-lavatory pipe supply covers.
- D. Diaper changing stations.
- E. Utility room accessories.

1.02 REFERENCE STANDARDS

- A. ADA Standards Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ASTM A269/A269M Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2015a (Reapproved 2019).
- C. ASTM A666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- D. ASTM C1036 Standard Specification for Flat Glass; 2016.
- E. ASTM C1503 Standard Specification for Silvered Flat Glass Mirror; 2018.
- F. ASTM F2285 Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use; 2004, with Editorial Revision (2016).

1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.
- C. Samples: Submit two samples of each accessory, illustrating color and finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Commercial Toilet, Shower, and Bath Accessories:
 - 1. American Specialties, Inc: www.americanspecialties.com/#sle.
 - 2. Bradley Corporation: www.bradleycorp.com/#sle.
 - 3. Georgia-Pacific Professional: www.blue-connect.com/#sle.
 - 4. Substitutions: Section 01 60 00 Product Requirements.
- B. Institutional Ligature-Resistant Toilet and Bath Accessories:
 - 1. Whitehall Manufacturing: www.whitehallmfg.com/#sle.
 - 2. Substitutions: Section 01 60 00 Product Requirements.
- C. Diaper Changing Stations:
 - 1. Bradley Corporation: www.bradleycorp.com/#sle.
 - 2. Koala Kare Products: www.koalabear.com/#sle.
 - 3. Substitutions: 01 60 00 Product Requirements.

2.02 MATERIALS

- A. Accessories General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
- B. Keys: Provide 2 keys for each accessory to Owner; master key lockable accessories.
- C. Stainless Steel Sheet: ASTM A666, Type 304.
- D. Stainless Steel Tubing: ASTM A269/A269M, Grade TP304 or TP316.

- E. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.
- F. Adhesive: Two component epoxy type, waterproof.
- G. Fasteners, Screws, and Bolts: Hot dip galvanized; tamper-proof; security type.

2.03 FINISHES

A. Stainless Steel: Satin finish, unless otherwise noted.

2.04 COMMERCIAL TOILET ACCESSORIES

- A. Toilet Paper Dispenser: quad roll, surface mounted bracket type, black.
 - Products:
 - a. Georgia Pacific; Compact Quad Coreless, 56744A.
 - 2. To be furnished by Owner, installed by Contractor.
- B. Paper Towel Dispenser: Electric, roll paper type.
 - Cover: Black.
 - 2. Paper Discharge: Touchless automatic.
 - 3. Capacity: 10 inch diameter roll.
 - 4. Mounting: Surface mounted.
 - 5. Power: Battery operated.
 - 6. Refill Indicator: Illuminated refill indicator.
 - 7. Products:
 - a. Georgia-Pacific Professional; enMotion, 59462A: www.blue-connect.com/#sle.
 - 8. To be furnished by Owner, installed by Contractor.
- C. Waste Receptacle: Stainless steel, freestanding style.
 - 1. Liner: Removable seamless stainless steel receptacle.
 - 2. Minimum capacity: 20 gallons.
 - 3. Contractor shall provide one per restroom.
- D. Automated Soap Dispenser: Foam soap dispenser, wall mounted.
 - 1. Finish: Stainless Steel.
 - 2. Product:
 - a. Georgia Pacific; enMotion Gen 2, 52060
 - 3. To be furnished by Owner, installed by Contractor.
- E. Mirrors: Stainless steel framed, 1/4 inch thick annealed float glass; ASTM C1036.
 - 1. Size: as indicated on drawings-.
 - 2. Frame: 0.05 inch_angle shapes, with mitered and welded and ground corners, and tamperproof hanging system; satin finish.
 - 3. Backing: Full-mirror sized, minimum 0.03 inch galvanized steel sheet and nonabsorptive filler material.
- F. Shelf: Surface mounted stainless steel shelf. Stainless steel integral end support brackets and intermediate brackets welded to shelf. Satin finish.
 - 1. Dimensions: 6 inches deep, 18 inches wide.
- G. Sanitary Napkin Disposal Unit: Stainless steel, back-to-back partition mounting with adjustable flanges, self-closing door, locking bottom panel with full-length stainless steel piano-type hinge, removable receptacle.
- H. Coat Hook: Heavy-duty double prong coat hook with rectangular wall bracket with back-plate for concealed mounting.
 - 1. Finish: Stainless steel with satin finish.

2.05 INSTITUTIONAL LIGATURE-RESISTANT TOILET AND BATH ACCESSORIES

- A. Grab Bars: Type 304 stainless steel, smooth surface with closure plate.
 - Standard Duty Grab Bars:
 - a. Push/Pull Point Load: 250 pound-force, minimum.

- b. Dimensions: 1-1/2 inch outside diameter, minimum 0.05 inch wall thickness, 1-1/2 inch clearance between wall and inside of grab bar; 14 gauge stainless steel "L" shaped closure plate with wall mounting flange welded to bottom of tube to prevent ligature. Install grab bar and closure plate with tamper-resistant screws through grab bar circular mounting flange and wall flange of flat closure.
- c. Finish: Satin.
- d. Length and Configuration: As indicated on drawings.

2.06 UNDER-LAVATORY PIPE AND SUPPLY COVERS

A. Specified in 22 07 00 - Plumbing Insulation.

2.07 DIAPER CHANGING STATIONS

- A. Diaper Changing Station: Wall-mounted folding diaper changing station for use in commercial toilet facilities, meeting or exceeding ASTM F2285.
 - 1. Material: Polyethylene.
 - 2. Mounting: Surface.
 - 3. Color: Gray.
 - 4. Orientation: As indicated on drawings.

2.08 UTILITY ROOM ACCESSORIES

- A. Combination Utility Shelf/Mop and Broom Holder: 0.05 inch thick stainless steel, Type 304, with 1/2 inch returned edges, 0.06 inch steel wall brackets.
 - 1. Hooks: Two, 0.06 inch stainless steel rag hooks at shelf front.
 - 2. Mop/broom holders: Three spring-loaded rubber cam holders at shelf front.
 - 3. Length: 36 inches.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. For electrically-operated accessories, verify that electrical power connections are ready and in the correct locations.
- D. Verify that field measurements are as indicated on drawings.

3.02 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

3.03 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.
 - 1. Grab Bars: As indicated on drawings.
 - 2. Other Accessories: As indicated on drawings.

3.04 PROTECTION

A. Protect installed accessories from damage due to subsequent construction operations.

END OF SECTION

SECTION 14 21 00 - ELECTRIC TRACTION ELEVATORS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Complete electric traction elevator systems.
 - Passenger type.
- B. Elevator Maintenance Contract.

1.02 REFERENCE STANDARDS

- A. 16 CFR 1201 Safety Standard for Architectural Glazing Materials; Current Edition.
- B. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).
- C. ADA Standards Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- D. AISC 360 Specification for Structural Steel Buildings; 2016.
- E. ANSI Z97.1 American National Standard for Safety Glazing Materials Used in Buildings Safety Performance Specifications and Methods of Test; 2015.
- F. ASME A17.1 Safety Code for Elevators and Escalators; 2019.
- G. ASME QEI-1 Standard for the Qualification of Elevator Inspectors; 2018.
- H. ASTM A276/A276M Standard Specification for Stainless Steel Bars and Shapes; 2017.
- I. ASTM A666 Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- J. ASTM B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- K. ASTM B209M Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric); 2014.
- L. ASTM C1048 Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.
- M. AWS D1.1/D1.1M Structural Welding Code Steel; 2015, with Errata (2016).
- N. NEMA MG 1 Motors and Generators; 2018.
- O. NFPA 70 National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- P. NFPA 80 Standard for Fire Doors and Other Opening Protectives; 2019.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordination:

- 1. Coordinate work with other installers to provide necessary conduits for proper installation of wiring, including but not limited to, the following:
 - a. Elevator equipment devices remote from elevator machine room or hoistway.
 - b. Telephone service for elevator.
 - c. Elevator pit for lighting and sump pump.
 - d. Fire alarm panel from controller cabinet.
- 2. Coordinate work with other installers for equipment provisions necessary for proper elevator operation, including but not limited to, the following:
 - Automatic transfer switches with auxiliary contacts for emergency power transfer status indication.
 - b. Overcurrent protection devices selected to achieve required selective coordination.

1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Submit data on following items:
 - 1. Signal and operating fixtures, operating panels, and indicators.

- 2. Car design, dimensions, layout, and components.
- 3. Car and hoistway door and frame details.
- 4. Electrical characteristics and connection requirements.
- C. Shop Drawings: Include appropriate plans, elevations, sections, diagrams, and details on following items:
 - 1. Elevator Equipment and Machines: Size and location of driving machines, power units, controllers, governors, and other components.
 - 2. Hoistway Components: Size and location of car machine beams, guide rails, buffers, ropes, and other components.
 - 3. Rail bracket spacing; maximum loads imposed on guide rails requiring load transfer to building structural framing.
 - 4. Clearances and over-travel of car and counterweight.
 - 5. Locations in hoistway and machine room of traveling cables and connections for car lighting, telephone, and _____.
 - 6. Location and sizes of hoistway and car doors and frames.
 - 7. Electrical characteristics and connection requirements.
 - 8. Indicate arrangement of elevator equipment and allow for clear passage of equipment through access openings.
- D. Samples: Submit samples illustrating car floor material, car interior finishes, car and hoistway door and frame finishes, and handrail material and finish in the form of cut sheets or finish color selection brochures.
- E. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- F. Initial Maintenance Contract.
- G. Maintenance Contract: Submit proposal to Owner for standard one year continuing maintenance contract agreement in accordance with ASME A17.1 and requirements as indicated, starting on date initial maintenance contract is scheduled to expire.
 - 1. Indicate in proposal the services, obligations, conditions, and terms for agreement period and for renewal options.
- H. Operation and Maintenance Data:
 - Parts catalog with complete list of equipment replacement parts; identify each entry with equipment description and identifying code.
 - 2. Operation and maintenance manual.
 - 3. Schematic drawings of equipment, and wiring diagrams of installed electrical equipment with list of corresponding symbols to identify markings on machine room and hoistway apparatus.

1.05 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Provide manufacturer's warranty for elevator operating equipment and devices for one year from Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design Electric Traction Elevators: AVT Lifts; MRL Traction Elevator: www.avtlifts.com.
- B. Other Acceptable Manufacturers Electric Traction Elevators:
 - 1. Otis Elevator Company: www.otis.com/#sle.
 - 2. Schindler Elevator Corporation: www.us.schindler.com/#sle.
 - 3. ThyssenKrupp Elevator: www.thyssenkruppelevator.com/#sle.

- C. The following Elevator installing Companies may supply and install elevator equipment purchased from third party manufacturers but must meet the requirements of this specification:
 - 1. DC Elevator: www.dcelevator.com/.
 - 2. The Murphy Elevator Co.: www.murphyelevator.com
 - 3. Oracle Elevator Company: www.oracleelevator.com.

2.02 ELECTRIC TRACTION ELEVATORS

- A. Electric Traction Passenger Elevator, A:
 - 1. Electric Traction Elevator Equipment:
 - 2. Drive System:
 - 3. Operation Control Type:
 - 4. Service Control Type:
 - a. Standard service control only.
 - 5. Interior Car Height: 93 inch.
 - 6. Electrical Power: 208 volts; alternating current (AC); three phase; 60 Hz.
 - 7. Rated Net Capacity: 3500 pounds.
 - 8. Rated Speed: 200 feet per minute.
 - 9. Hoistway Size: 100 inch wide by 83 inch deep.
 - 10. Interior Car Platform Size: 78 inch wide by 65 inch deep.
 - 11. Elevator Pit Depth: 60 inch.
 - 12. Overhead Clearance at Top Floor: 165 inch.
 - 13. Travel Distance: As indicated on drawings.
 - 14. Number of Stops: As indicated on drawings.
 - 15. Number of Openings: 4 Front.
 - 16. Traction Machine Location: Top of hoistway shaft.

2.03 COMPONENTS

A. Elevator Equipment:

- 1. Motors, Controllers, Controls, Buttons, Wiring, Devices, and Indicators: Comply with NFPA 70 requirements, and refer to Section 26 05 83 for additional requirements.
- Guide Rails, Cables, Counterweights, Sheaves, Buffers, Attachment Brackets and Anchors: Design criteria for components includes safety factors in accordance with applicable requirements of Elevator Code, ASME A17.1.
- 3. Buffers:
 - a. Spring type for elevators with speed less than or equal to 200 feet per minute.
- 4. Lubrication Equipment:
 - a. Provide grease fittings for periodic lubrication of bearings.
 - b. Grease Cups: Automatic feed type.
 - c. Lubrication Points: Visible and easily accessible.

B. Electrical Equipment:

- 1. Motors: NEMA MG 1.
- 2. Boxes, Conduit, Wiring, and Devices: Complying with NFPA 70 and in accordance with Sections 26 05 33.13 and 26 05 83.
- 3. Spare Conductors: Provide ten percent in extra conductors and two pairs of shielded audio cables in traveling cables.
- 4. Include wiring and connections to elevator devices remote from hoistway and between elevator machine room. Provide additional components and wiring to suit machine room layout. Refer to Section 26 05 83.

2.04 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with ASME A17.1, applicable local codes, and authorities having jurisdiction (AHJ).
- B. Accessibility Requirements: Comply with ADA Standards.

- C. Perform structural steel design, fabrication, and installation in accordance with AISC 360.
- D. Perform welding of steel in accordance with AWS D1.1/D1.1M.
- E. Fabricate and install door and frame assemblies in accordance with NFPA 80 and complying with requirements of authorities having jurisdiction (AHJ).
- F. Perform electrical work in accordance with NFPA 70.

2.05 OPERATION CONTROLS

- A. Elevator Controls: Provide landing operating panels and landing indicator panels.
 - 1. Landing Operating Panels: Metallic type, one for originating "Up" and one for originating "Down" calls, one button only at terminating landings; with illuminating indicators.
 - 2. Landing Indicator Panels: Illuminating.
 - 3. Comply with ADA Standards for elevator controls.
- B. Interconnect elevator control system with building security, fire alarm, card access, smoke alarm, and building management control systems.
- C. Door Operation Controls:
 - 1. Program door control to open doors automatically when car arrives at floor landing.
 - 2. Render "Door Close" button inoperative when car is standing at dispatch landing with doors open.
 - 3. Door Safety Devices: Moveable, retractable safety edges, quiet in operation; equipped with photo-electric light rays.

2.06 OPERATION CONTROL TYPE

- A. Single Automatic (Push Button) Operation Control: Applies to car in single elevator shaft.
 - 1. Refer to description provided in ASME A17.1.
 - 2. Set system operation so that momentary pressure of landing button dispatches car from other landing to that landing.
 - 3. Allow call registered by momentary pressure of landing button at any time to remain registered until car stops in response to that landing call.
 - 4. If elevator car door is not opened within predetermined period of time after car has stopped at terminal landing allow car to respond to call registered from other landing.

2.07 EMERGENCY POWER

- A. Set-up elevator operation to run with building emergency power supply when the normal building power supply fails, and in compliance with ASME A17.1 requirements.
- B. Building Emergency Power Supply: Supplied by backup generator; provide elevator system components as required for emergency power characteristics with phase rotation the same as for normal power.
 - 1. Provide transfer switches and auxiliary contacts.
 - 2. Install connections to power feeders.
- C. Emergency Lighting: Comply with ASME A17.1 elevator lighting requirements.
- D. Provide operational control circuitry for adapting the change from normal to emergency power.
- E. Upon transfer to emergency power, advance elevator to a pre-selected landing, stop car, open doors, disable operating circuits, and hold in standby condition.

2.08 MATERIALS

- A. Stainless Steel Sheet: ASTM A666, Type 304; No. 4 Brushed finish unless otherwise indicated.
- B. Stainless Steel Bars, Shapes and Moldings: ASTM A276/A276M, Type 304.
- C. Aluminum Sheet: ASTM B209 (ASTM B209M), 3105 alloy, O temper.
- D. Tempered Glass: 3/8 inch minimum thickness, fully tempered in compliance with ASME A17.1, 16 CFR 1201, ANSI Z97.1, and ASTM C1048 tempered glass requirements.
- E. Resilient Flooring: Vinyl tile flooring and Resilient base, as specified in Section 09 65 00.

2.09 CAR AND HOISTWAY ENTRANCES

A. Elevator, A:

- 1. Car and Hoistway Entrances:
 - a. Hoistway Fire Rating: 2 Hours.
 - b. Elevator Door Fire Rating: 1-1/2 Hours.
 - c. Framed Opening Finish and Material: Brushed stainless steel.
 - d. Car Door Material: Stainless steel, with rigid sandwich panel construction.
 - e. Hoistway Door Material: Stainless steel, with rigid sandwich panel construction.
 - f. Door Type: Single leaf.
 - g. Door Operation: Side opening, single speed.
 - h. Door Width: 42 inch.
 - i. Door Height: 84 inch.
 - j. Sills: Manufacturer's standard.

2.10 CAR EQUIPMENT AND MATERIALS

A. Elevator Car, A:

- Car Operating Panel: Provide main-and auxiliary; flush-mounted applied face plate, with illuminated call buttons corresponding to floors served with "Door Open/Door Close" buttons, "Door Open" button, "Door Close" button, and alarm button.
 - a. Panel Material: Integral with front return; one per car.
 - b. Car Floor Position Indicator: Above door with illuminating position indicators.
 - c. Locate alarm button not more than 35 inch above car finished floor.
 - d. Provide following within service cabinet as part of car operating panel:
 - 1) Switch for each auxiliary operational control, keyed.
 - 2) Switches for fan, light, inspection control, and emergency stop.
 - 3) Emergency light.
 - 4) Telephone cabinet and hard-wired connection with telephone.
- 2. Flooring: Resilient Tile: LVT1, See Finish Legend.
- 3. Wall Base: Recessed stainless steel, 4 inch high.
- 4. Front Return Panel: Match material of car door.
- 5. Door Wall: Stainless steel.
- 6. Side Walls: Stainless steel.
- 7. Rear Wall: Stainless steel.
- 8. Hand Rail: Stainless steel, at three side walls. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.
 - a. Stainless Steel Finish: No. 4 Brushed.
- 9. Ceiling:
 - a. Frame Finish: Color anodized aluminum.
 - b. Lay-in Panel: Aluminum sheet.
 - c. Lighting: As selected from manufacturer's standard line.

B. Control Panel

- 1. Keys and switches:
 - a. Provide switches for lights, fan (2-speed), emergency stop and service and/or inspection.
 - Toggle switches shall be located behind a locked door keyed with a best 7-pin small format cylinder. Door to have "Slam door lockset for service cabinet with a Yale or Best 7-pin security switch with removable core by Innovation Industries, Inc. or equal.
 - 2) Key should be removable only in the normal locked position.
 - 3) Use Best Cylinder with removable core and 7-pin small format for CPPD Division and 7-pin small format Yale cylinders with removable core for MPPD. Other Facilities Management Divisions will specify their keying options in specifications.

- b. Provide a two-speed fan switch; key should be removable in all positions; use Best Cylinder with removable core for CPPD and 7-pin Yale with removable core for MPPD). Other Facilities Management Divisions will specify their keying options in specifications.
- c. Provide each car-operating panel with an emergency stop key switch, key should be removable in all positions; use Best Cylinder with removable core for CPPD and 7-pin Yale with removable core for MPPD). Other Facilities Management Divisions will specify their keying options in specifications.
 - 1) Position the cylinder near the bottom of the pushbuttons with the key removable in either position and with one set of normally closed contacts.
 - 2) Mark the switch with etched, engraved, or embossed "ON" and "OFF."
- d. Where special key switches or card readers and/or other devices are used to lock out particular floor and/or functions:
 - 1) Wire controls so as not to interfere with Fire Service operation.
 - 2) Provide temporary inactivated push buttons for each floor even if a key switch, card reader, and/or other devices are required.
- e. For restricted access to a Penthouse mechanical room, provide lock-out keyed switch on the Penthouse push button (the push button is to be activated by the keyed switch); key shall not be removable in the activation position. (Use Best Cylinder with removable core for CPPD and 7-pin Yale with removable core for MPPD). Other Facilities Management Divisions will specify their keying options in specifications.
- f. For unrestricted elevator service to the penthouse, provide a keyed switch to override the Penthouse mechanical room keyed button lock-out switch; key shall be
 removable in all positions (Use Best Cylinder with 7-pin small format removable
 core). Place this over-ride switch in the top area of the car panel. Other Facilities
 Management Divisions will specify their keying options in specifications.

2. Fireman Service Controls

- a. In-car Fireman Service Controls shall be in a reachable, recessed, and in a locked panel in the control panel and at the top portion of the panel.
 - Engrave, etch, or emboss fire service instructions inside the fixture cover in accordance with ASME A17.1a.
 - Key number shall be FEOK1 (Barrel shaped Key) for campus (CPPD) buildings.
 Other Facilities Management Divisions will specify their keying options in specifications if different.
- 3. Provide each car-operating panel with special language etched, engraved, or embossed pertaining to the posting of the Elevator Permit and the Capacity of the elevator.

C. TWO-WAY COMMUNICATIONS

- The device shall consist of a single pushbutton, automatic dialer with appropriate indicator lights, and all other essential features necessary to comply with ADA.
- 2. The emergency phone shall be Ramtel model RR833-OEM and be mounted flush on the back of a hinged door at the bottom portion of the in-car control panel and locked with a barrel key #EX513.
- The communication device shall be as manufactured by Ramtel model RR833-OEM to match the existing elevator emergency communication system including remote location indicator and other existing features now in use.
- 4. A stand-alone flush box-type device is not to be used without approval of the Owner.
- 5. The face plate shall have, including but not necessarily limited to:

EMERGENCY PHONE UNIVERSITY OF KENTUCKY

UK logo to be included - refer to Specification 14 20 00.10.

Other information and instructions on the faceplate are as provided by the Ramtel communication device.

D. Car Accessories:

1. Certificate Frame: Stainless steel frame glazed with clear tempered glass, and attached with tamper-proof screws.

2.11 FINISHES

- A. Clear Anodized Finish: Class I, AAMA 611 AA-M12C22A41 Clear anodic coating with electrolytically deposited organic seal; not less than 0.7 mils, 0.0007 inch thick.
- B. Color Anodized Finish: Class I, AAMA 611 AA-M12C22A44 Electrolytically deposited colored anodic coating not less than 0.7 mils, 0.0007 inch thick.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting this work.
- B. Verify that hoistway, pit, and machine room are ready for work of this section.
- C. Verify hoistway shaft and openings are of correct size and within tolerance.
- D. Verify location and size of machine foundation and position of machine foundation bolts.
- E. Verify that electrical power is available and of correct characteristics.

3.02 PREPARATION

- A. Arrange for temporary electrical power for installation work and testing of elevator components. Comply with requirements of Section 01 50 00 Temporary Facilities and Controls.
- B. Maintain elevator pit excavation free of water.

3.03 INSTALLATION

- A. Coordinate this work with installation of hoistway wall construction.
- B. Install system components, and connect equipment to building utilities.
- C. Provide conduit, electrical boxes, wiring, and accessories. Refer to Sections 26 05 33.13 and 26 05 83.
- D. Mount machines, motors, and pumps on vibration and acoustic isolators.
 - 1. Place on structural supports and bearing plates.
 - 2. Securely fasten to building supports.
 - 3. Prevent lateral displacement.
- E. Install hoistway, elevator equipment, and components in accordance with approved shop drawings.
- F. Install guide rails to allow for expansion and contraction movement of guide rails.
- G. Accurately machine and align guide rails, forming smooth joints with machined splice plates.
- H. Install hoistway door sills, frames, and headers in hoistway walls; grout sills in place, set hoistway floor entrances in alignment with car openings, and align plumb with hoistway.
- I. Structural Metal Surfaces: Clean surfaces of rust, oil or grease; wipe clean with solvent; prime with two coats.
- J. Wood Surfaces not Exposed to Public View: Finish with one coat primer; one coat enamel.
- K. Adjust equipment for smooth and quiet operation.

3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 Quality Requirements, for additional requirements.
- B. Testing and inspection by regulatory agencies certified in accordance with ASME QEI-1 will be performed at their discretion.
- C. Perform testing and inspection in accordance with requirements.
 - 1. Inspectors shall be certified in accordance with ASME QEI-1.

D. Operational Tests:

- 1. Perform operational tests in the presence of Owner and Architect.
- 2. At an agreed time, and the building occupied with normal building traffic, conduct tests to verify performance.
 - a. Furnish event recording of each landing call registrations, time initiated, and response time throughout entire working day.
- 3. Set period of time elevator takes to travel between typical floor landings at not more than _____13.5 seconds.
 - a. Measure time from moment doors start to close until car has stopped level at next floor landing and doors are opening.

3.05 ADJUSTING

- A. Adjust for smooth acceleration and deceleration of car to minimize passenger discomfort.
- B. Adjust with automatic floor leveling feature at each floor landing to reach 1/4 inch maximum from flush with sill.

3.06 CLEANING

- A. Remove protective coverings from finished surfaces.
- B. Clean surfaces and components in accordance with manufacturers written instructions.

3.07 CLOSEOUT ACTIVITIES

- A. Demonstrate proper operation of equipment to Owner's designated representative.
- B. Training: Train Owner's personnel on cleaning and operation and maintenance of system.
 - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
 - 2. Provide minimum of two hours of training.

3.08 PROTECTION

- A. Do not permit construction traffic within car after cleaning.
- B. Protect installed products until Date of Substantial Completion.
- C. Touch-up, repair, or replace damaged products and materials before Date of Substantial Completion.

3.09 MAINTENANCE

- A. Provide Initial Maintenance Contract of elevator system and components in accordance with ASME A17.1 and requirements as indicated for twelve months from Date of Substantial Completion.
- B. Perform maintenance contract services using competent and qualified personnel under the supervision and direct employ of the elevator manufacturer or installer.
- C. Include systematic examination, adjustment, and lubrication of elevator equipment.
- D. Perform work without removing cars from use during peak traffic periods.

END OF SECTION

SECTION 23 09 50 - VARIABLE FREQUENCY DRIVES FOR HVAC EQUIPMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and General Requirements, Division 1 Specification Sections apply to the work specified in this section.

1.2 DEFINITIONS

- A. DDC: Direct digital control.
- B. I/O: Input/output.
- C. Interlock: When the term "interlock" is used in the control sequence, it shall mean a hardware interlock. Software interlocks are not acceptable.
- D. MS/TP: Master slave/token passing.
- E. PC: Personal computer.
- F. PID: Proportional plus integral plus derivative.
- G. RTD: Resistance temperature detector.

1.3 DESCRIPTION OF WORK:

A. Furnish and install and fit-up in complete working order, with all accessories required, the variable frequency drives (VFD) and monitoring of these drives by the temperature control systems shown on the Drawings and specified herein. The systems shall be properly connected, piped and wired in a manner conforming to the laws, ordinances and codes now in force in the Commonwealth of Kentucky.

1.4 QUALITY ASSURANCE:

- A. Manufacturers: Select a manufacturer from the following listing. Do not use a manufacturer that is not listed below.
- B. Available Manufacturers: Subject to compliance with requirements, manufacturers offering controls that may be incorporated into the Work include, but are not limited to, the following:
 - 1. ABB.
 - 2. Danfoss/Graham.
 - 3. Square D
 - 4. JCI
- C. Codes and Standards:

- 1. Electrical Standards: Provide electrical components of control systems which have been UL-listed and labeled, and comply with NEMA standards.
- 2. NFPA Compliance: Comply with NFPA 90A "Standard for the installation of Air Conditioning and Ventilating Systems" where applicable of controls and control sequences.
- 3. Kentucky Building Code: Comply with requirements where applicable for controls.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type and rating of VFD indicated. Include features, performance, electrical ratings, operating characteristics, shipping and operating weights, and furnished specialties and accessories.
- B. Shop Drawings: For each VFD indicated. Include dimensioned plans, elevations, and sections; and conduit entry locations and sizes, mounting arrangements, and details, including required clearances and service space around equipment.
 - 1. Show tabulations of installed devices, equipment features, and ratings. Include the following:
 - Each installed unit's type and details.
 - b. Factory-installed devices.
 - c. Enclosure types and details.
 - d. Nameplate legends.
 - e. Short-circuit current (withstand) rating of enclosed unit.
 - f. Features, characteristics, ratings, and factory settings of each VFD and installed devices.
 - g. Specified modifications.
 - 2. Schematic and Connection Wiring Diagrams: For power, signal, and control wiring.

1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified testing agency.
- B. Product Certificates: For each VFD, from manufacturer.
- C. Source quality-control reports.
- D. Field quality-control reports.

1.7 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For VFDs to include in emergency, operation, and maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:

1.8 DELIVERY, STORAGE AND HANDLING:

A. Provide factory shipping cartons for each piece of equipment and control device. Maintain cartons while shipping, storage and handling as required to prevent equipment damage and to eliminate dirt and moisture from equipment. Store equipment and materials inside and protect from weather.

1.9 COORDINATION

A. Coordinate equipment with Division Section "Automatic Temperature Controls" to achieve interfaces with that control system.

PART 2 - PRODUCTS

2.1 VARIABLE FREQUENCY DRIVES:

A. Basic Description:

- 1. The variable frequency drive (VFD) shall be solid state, with a Pulse Width Modulated (PMW) output waveform (VVI, six-step, and current source drives are not acceptable). The VFD package as specified herein shall be enclosed in a single NEMA 12 enclosure, completely assembled and tested by the manufacturer. The VFD shall employ a full wave rectifier (to prevent input line notching), DC Line Reactor, capacitors, and Insulated Gate Bipolar Transistors (IGBT's) as the output switching device (SCR's, GTO's and Darlington transistors are not acceptable). The drive efficiency shall be 97% or better at full speed and full load. Fundamental power factor shall be 0.98 at all speeds and loads.
- 2. The VFD shall be specifically designed for variable torque, centrifugal load applications. The Control System Contractor shall perform the following functions from the FMS: remote bypass/auto switching, stop/start, remote speed adjustment, error monitoring and actual speed readout.
- 3. The VFD shall be suitable for use with any standard NEMA-B squirrel-cage induction motor having a 1.15 or more service factor, or with existing standard NEMA-B squirrel-cage induction motor with nameplate data as shown on the plans. At any time in the future, it shall be possible to substitute any standard motor (equivalent horsepower, voltage and RPM) in the field.
- 4. Output voltage regulation shall be plus-or-minus 1 per cent from no load to full load.
- 5. When input speed command is lost, the drive shall continue operation at either last speed command, minimum speed, or a preset speed as determined by the operator.
- 6. The VFD shall be capable of starting into a spinning load with complete protection and promptly return the motor to set speed. It shall also be capable of bringing windmilling loads to a stop prior to accelerating load in the proper direction by such means as injection braking.
- 7. All programmable settings, including self diagnostic fault data, shall be held in non-volatile memory and shall not be affected by power outages, brownouts, power dips, etc. The AFD shall have initial programmable settings intact from the factory without the need of battery backup, etc. The start-up technician shall program each AFD to the motor for which it is connected.
- 8. Programming at the job site to accommodate specific local application requirements, such as frequency avoidance and preset speeds shall be available to the user.
- 9. Complete efficiency versus load and speed for all VFD ratings shall be readily available from the manufacturer. VFD multiple motor operation at the same frequency and speed shall be possible as long as the sum of the connected motor full load sine wave currents are less than or equal to 90% of the VFD maximum continuous current rating.
- 10. All high voltage components within the enclosure shall be supplied, protected or enclosed in a method that makes them safe.

B. Codes/Standards:

1. VFD and options shall be UL listed.

- 2. The controller and options shall comply with the applicable requirement of the latest standards of ANSI; NEMA ICS-6 for controls and systems; National Electric Code NEC; IEC 801-2, 801-4, 256-4.
- C. Quality Assurance: The VFD controller shall be subject to but not limited to the following quality assurance controls, procedures and tests.
 - 1. The manufacturer shall have been actively and continuously engaged in the production of adjustable frequency controllers for a period of at least 10 years and have experience of at least 8 years in commercial HVAC applications.
 - 2. Every VFD shall be functionally tested under motor load and must pass a 4-hour minimum heat run under motor load.

D. Variable Frequency Drive:

- 1. The VFD manufacturer shall provide, at minimum, the electromechanical construction, basic features, adjustments, general options and modifications and special options as outlined in this specification.
- E. Basic Features: The VFD shall have the following basic features:
 - 1. Variable Frequency Drive shall be mounted in a NEMA 12 enclosure.
 - 2. The VFD shall incorporate a full 20 character minimum, alpha/numeric customer interface panel showing all settings, parameters, operating screens, operating data, supervision information and faults in plain English. VFD's employing codes and abbreviations shall not be acceptable.
 - 3. Operators controls shall be mounted on the door of the cabinet and consist of a membrane command center which allows manual stop/start and speed control, local/remote indication and manual/or automatic speed control selection. In addition, the command center will serve as a means to configure controller parameters such as minimum speed, maximum speed, acceleration and deceleration times, volts/Hz ratio, torque boost, etc. Potentiometers will not be allowed for these settings.
 - 4. For ease of Owner and TCC use, the VFD shall also incorporate a speed potentiometer for manual speed control and a hand-off-auto selector switch. Membrane/keypad functions can also be utilized to perform these functions.
 - 5. The controller will be able to follow an external speed signal and respond to remote start/stop contacts wired to the terminal strip while in the automatic/remote mode.
 - 6. Disconnect: Door interlocked fused disconnect shall interrupt all input power from the drive and all internally mounted options. The disconnect handle shall be through-the-door type and shall be padlockable in the "OFF" position.
 - 7. The controller shall contain a U.L. electronic overload circuit designed to protect the A-C motor, operated on the adjustable frequency controller output from extended overload operation on an inverse time basis. A motor thermostat back-up may also be provided.
 - 8. The VFD shall also incorporate programmable protection settings for motor stall, motor under-load, and motor at speeds to protect the motor in applications requiring less than full load/full speed motor requirements.
 - 9. The VFD shall have two programmable/selectable analog inputs which will accept current or voltage input signals for speed reference or for manual put reference or for actual feedback signals for use of the VFD built in proportional integral controller. These analog inputs shall be programmable for filtering, gain and offsets. The VFD shall incorporate a loss or analog input circuit which is programmable and can not only send an external output warning (DO), but also determine a preset speed of the VFD for safety purposes.
 - 10. Automatic restarts will be attempted three times after a power outage, drive fault, safety shutdown such as freezestat or firestat, or external fault, if the drive is in automatic mode. The circuit shall allow the user to select 0, 1, 2 or 3 restart attempts as well as select the

- dwell time between attempts. The reset time between fault occurrences shall also be selectable. All settings shall be via the membrane command center.
- 11. The following operating information shall be available to be displayed on the VFD's 20 character (minimum) full alphanumeric display:
 - a. Output frequency
 - b. Output RPM/speed (programmable)
 - c. Motor currents
 - d. Calculated motor power calculated
 - e. KwHr meter
- 12. There shall be a minimum of two critical frequency avoidance bands which can be programmed in the field via the membrane command center to enable the controller to avoid certain frequencies which the pump or fan system may resonate at due to reduced speed operation.
- 13. There shall be seven programmable preset speeds which will force the VFD to a preset speed upon a user contact closures. This feature shall be set digitally by entering via the door mounted membrane command center.
- 14. Disconnecting the motor for free wheeling operation in periods of power outage is not acceptable.
- 15. To prevent unnecessary trips, include a speed droop feature which reduces the speed of the drive on transient overload. The drive is to return to the set speed after the transient is removed. Should the acceleration or deceleration rates be too rapid for the moment of inertia of the load, the drive is to automatically compensate to prevent drive trip.
 - a. Voltage dip ride through: The VFD shall be capable of sustaining operation with a 30% dip in nominal line voltage. Output speed may decline only if current limit rating of the VFD is exceeded.
 - b. Power loss ride through: The VFD shall be capable of a 5 cycle power loss ride through without fault activation.
- 16. Compliance to IEEE 519 -- Harmonic analysis for particular jobsite including total voltage harmonic distortion and total current distortion.
- F. Manufacturer shall perform and submit calculations, specific to this project, which show that the theoretical line notching and voltage distortion comply with IEEE-519, Special Applications Criteria (10% notching, 3% distortion). If line notching and/or voltage distortion exceed these values, then provide equipment to provide this level of filtration. Obtain information for sizing line filtering equipment (such as transformer sizes and impedances, feeder sizes, capacitor locations, etc.) from Electrical Plans or from General Contractor/Electrical Contractor.
- G. Protective Circuits and Features: The VFD shall include the following protective circuits and features:
 - 1. Fast acting semiconductor fuses specifically sized for protection of the AFC.
 - 2. DV/DT and DI/DT protection for semiconductors.
 - 3. Instantaneous Electronic Trip for the following faults:
 - a. Motor current exceeds 110% for longer than one minute of controller maximum sine wave current rating
 - b. Output phase-to-phase circuit condition
 - c. Total ground fault under any operating condition
 - d. High input line voltage
 - e. Low input line voltage

- H. The VFD shall have the following protection circuits and display on the 20 character alphanumeric display the appropriate faults. Fault notification must be in plain English. Fault codes are not acceptable.
 - 1. Overcurrent trip device to continuously monitor peak currents and provide instantaneous shutdown without component failure when the high limit is surpassed.
 - 2. Over-voltage trip -- selectable to protect motor AFC
 - 3. Under-voltage trip -- 65% of AFC rating
 - 4. Ground fault -- Running on start at motor
 - 5. Motor overload I²T -- UL-NEC-overload
 - 6. Motor under-load trip -- warning or fault
 - 7. VFD overtrip -- Over heat sink limits
- I. Three "last faults" shall be kept in non-voltage memory for ease of troubleshooting.
 - Metal oxide varistors.
- J. Adjustments: The following adjustments shall be followed:
 - 1. Maximum frequency (0 to 120 Hz) with factory setting at 60 Hz.
 - 2. Minimum frequency (0 to 60 Hz) with factory setting at 6 Hz.
 - 3. Acceleration (2 to 3200 seconds) factory set at 60 seconds.
 - 4. Deceleration (2 to 3200 seconds) factory set at 60 seconds.
 - 5. Adjustable U/Hz, U/Hz² and automatic H/Hz(²) setting for energy savings.
 - 6. Voltage offset or boost with factory setting at 100% torque.
 - 7. Current limit (50 to 100%) sine wave current rating factory set at 100%.
- K. Service Conditions: The VFD shall be designed and constructed to operate within the following service conditions:
 - 1. Suitable for continuous operation at an ambient temperature of 0°C. to 40°C. Elevation up to 3300 feet altitude with a relative humidity to 95% non-condensing.
 - 2. A-C line variation of 440 vac +10% -5% frequency.
- L. Electronic Bypass:
 - 1. Provide U.L. Listed microprocessor based bypass controller for each variable frequency drive, for manual or automatic transfer to line power via contactors. Provide means of limiting speed to specified value when drive is manually switched to bypass (when system is operating on emergency power). Coordinate with Automatic Control System Supplier.
 - 2. Provide a keypad to control the bypass controller mounted on the enclosure door. The bypass keypad shall include a one line diagram and status LED's to indicate the mode of operation, drive and bypass status and ready and enable conditions. When in the "Drive" mode, the bypass contactor is open and the drive output contactor is closed. In the "Bypass" position, the drive output contactor is open and the bypass contractor is closed via Start/stop command.
 - a. Provide a separate terminal strip for connection of freeze, fire, smoke contacts, and external start command. External safety interlocks shall remain fully functional whether the system is in Hand, Auto, Drive or Bypass modes.
 - b. Automatic/manual bypass operation shall be selectable in the standard microprocessor based bypass design.
 - c. Provide a door/cover interlocked disconnect switch to disconnect all input power from the drive, bypass and all internally mounted options. The disconnect handle shall be through the door, and be pad-lockable in the "Off" position.

- d. Provide fast acting semi-conductor fuses exclusive to the VFD to disconnect from the line prior to clearing upstream branch circuit protection.
- e. Provide Class 20 or 30 electronic motor overload protection in the microprocessor bypass to protect the motor in bypass mode.

M. BACnet Board

1. Provide BACnet board to allow communications to communicate on BACnet networks.

N. Installation:

- 1. Installation shall be the responsibility of the Mechanical Contractor. The Contractor shall install the drive in accordance with the recommendations of the VFD manufacturer as outlined in the installation manual.
- 2. Power wiring shall be completed by the Electrical Contractor. The Contractor shall complete all wiring in accordance with the recommendations of the VFD manufacturer as outlined in the installation manual.
- 3. This Contractor shall be responsible for interlock with remote disc.

O. Start-Up:

- 1. Certified factory start-up shall be provided for each drive by a factory authorized service center. A certified start-up form shall be filled out for each drive with a copy provided to the Owner, and a copy kept on file at the manufacturer.
- P. Electrical Power -- Three phase, 60 cycle, 460 volts.

PART 3 - EXECUTION

3.1 INSPECTION:

A. Examine areas and conditions under which control systems are to be installed. Do not proceed with work until unsatisfactory conditions have been corrected in manner acceptable to Installer.

3.2 INSTALLATION OF VFD

- A. General: Install systems and materials in accordance with manufacturer's instructions, roughing-in drawings and details shown on the Drawings.
- B. Connect and configure equipment and software to achieve sequence of operation specified.

3.3 FIELD QUALITY CONTROL:

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust field-assembled components and equipment installation, including connections, and to assist in field testing. Report results in writing.
- B. Perform the following field tests and inspections and prepare test reports:
 - 1. Operational Test: After electrical circuitry has been energized, start units to confirm proper unit operation. Remove and replace malfunctioning units and retest.

- Test and adjust controls and safeties.
- 3. Test each control loop to verify stable mode of operation and compliance with sequence of operation. Adjust PID actions.
- 4. Test each system for compliance with sequence of operation.
- 5. Test software and hardware interlocks.

3.4 ADJUSTING:

A. This Contractor shall work with the Balancing Contractor to provide verification of CFM, current, voltage, RPM for each VFD.

3.5 CLEANING

A. On completion of installation, internally clean fans according to manufacturer's written instructions. Remove foreign material and construction debris. Vacuum cabinet.

3.6 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain VFD.
 - 1. Train Owner's maintenance personnel on procedures and schedules for starting and stopping, troubleshooting, servicing, and maintaining equipment and schedules.
 - 2. Review data in maintenance manuals.
 - 3. Schedule training with Owner, through Architect, with at least seven days' advance notice.

END OF SECTION

SECTION 31 65 13 - ROCK ANCHORS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes fabrication and installation of steel rock anchors, as shown on drawings including schedules, notes, and details showing size and location of members, typical connections, and types of anchors required.
 - 1. Acceptable The rock anchor foundation systems include the following: shall be micropiles. Push piles and helical anchors are not acceptable alternatives.
 - a. Micropiles
 - b. Push Piles
 - c. Helical Anchors
 - d. Others as approved by Architect/Engineer.
- B. The foundation system, materials, dimensions, and details, including rock embedment depth, shall be determined by the Contractor's engineer responsible for the design of the rock anchors.
 - 1. Design loads are denoted on the drawings.
 - 2. Locations and quantities of required rock anchors are denoted on the drawings. The Contractor may not alter the locations or quantities.
 - 3. Geotechnical report is included, for reference, elsewhere in the project manual.
 - 4. Anchors shall be designed and installed neglecting contribution from soil and/or weathered bedrock.
 - 5. Termination elements within the concrete structure (drilled pier, footing, etc.) shall be designed, supplied and installed by the Contractor. Said elements shall develop 125% of the design load (DL) and shall be located (minimum embedment depth) as shown on the drawings.
- C. Related Sections: The following Sections contain requirements that relate to this Section:
 - 1. Division 3 Section "Cast-in-place Concrete."

1.3 MEASUREMENT AND PAYMENT

A. Payment for Rock Anchors: Basis will be made on a lump sum basis for all work defined herein including, but not limited to, geotechnical investigation, design, fabrication, installation, and pre-production load tests.

1.4 DEFINITIONS

- A. Alignment Load (AL): A nominal load applied to a rock anchor during testing to keep the testing equipment correctly positioned.
- B. Safety Factor: The ratio of the ultimate capacity to the working load used for the design of any component or interface.

- C. Test Load (TL): The maximum load to which the rock anchor is subjected during testing.
- D. Working Load: Equivalent term for Design Load.

1.5 REFERENCES

- A. General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.
- B. Comply with applicable provisions of the following specifications and documents:
 - AGA American Galvanizers Association publication "Recommended Details for Galvanized Structures".
 - 2. AISC 360 "Specification for Structural Steel Buildings."
 - 3. ASCE 20-96 Standard Guidelines for the Design and Installation of Pile Foundations.
 - 4. ASTM A29/A29M Standard Specification for Steel Bars, Carbon and Alloy, Hot-Wrought and Cold-Finished, General Requirements for.
 - 5. ASTM A36/A36M Standard Specification for Carbon Structural Steel.
 - ASTM A53 Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
 - 7. ASTM A775 Electrostatic Epoxy Coating.
 - 8. ASTM A153 Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 - 9. ASTM A193/A193M Alloy-Steel and Stainless Steel Bolting Materials for High Temperature Service.
 - 10. ASTM A252 Welded and Seamless Steel Pipe Piles.
 - ASTM A500 Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.
 - 12. ASTM A618 Hot-Formed Welded and Seamless High-Strength Low-Alloy Structural Tubing.
 - 13. ASTM A656 Hot-Rolled Structural Steel, High-Strength Low-Alloy Plate with Improved Formability.
 - 14. ASTM A1018 Steel, Sheet and Strip, Heavy Thickness Coils, Hot Rolled, Carbon, Structural, High-Strength, Low-Alloy, Columbium or Vanadium, and High-Strength Low-Alloy with Improved Formability.
 - 15. ASTM C33 Concrete Aggregates.
 - 16. ASTM C109 Compressive Strength of Hydraulic Cement Mortar.
 - 17. ASTM C150 Portland Cement.
 - 18. ASTM C494 Chemical Admixtures for Concrete.
 - ASTM A615 Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.
 - 20. ASTM C618 Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Concrete
 - 21. ASTM C1240 Silica Fume for Use as a Mineral Admixture in Hydraulic-Cement Concrete, Mortar, and Grout
 - 22. ASTM C1107 Packaged Dry, Hydraulic-Cement Grout (Nonshrink)
 - 23. ASTM D1143 Method of Testing Piles Under Static Axial Compressive Load.
 - 24. ASTM D3689 Method of Testing Individual Piles Under Static Axial Tensile Load.
 - 25. ASTM D3966 Standard Test Method for Piles Under Lateral Load.
 - 26. American Welding Society's (AWS) D1.1-2004 "Structural Welding Code Steel."
- C. Welding Qualifications and Standards: Qualify procedures and personnel in accordance with applicable provisions of AWS D1.1 "Structural Welding Code Steel" and AISC 360.

- 1. All shop and field welding shall be performed by personnel qualified by AWS procedure and who have engaged in the necessary processes of welding during each six month period since the latest qualification.
- 2. Fabricator and erector shall institute a Welder Identification System wherein the welder who has welded a joint or member can be identified.

1.6 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Engineer and fabricate rock anchors to resist compression, tension, and/or lateral forces specified. See drawings for loading criteria.
- B. Engineering Responsibility: Engage a fabricator who uses a qualified professional engineer to prepare design calculations, shop drawings, and other structural data.
- C. Minimum factor of safety shall be 2.0.
- D. The rock anchor top attachment shall effectively distribute the design load (DL) to the concrete pile cap, such that the concrete bearing stress does not exceed those in the ACI Building Code and the bending stress in the steel plates does not exceed AISC Allowable stresses for steel members.
- E. The overall length of a rock anchor shall be selected such that the required capacity is developed.
- F. Project Design Working Life: Foundation underpinning indicated to be permanent shall be designed to safely and adequately maintain the expected service loads with factor of safety considered for a minimum of **75 years**. The selection of materials and design of piles, brackets, and other components shall consider the anticipated effects of section loss due to corrosion from actual project soil and groundwater conditions.
- G. Permanent foundation underpinning shall extend to and be designed for bearing on limestone bedrock.

1.7 ACTION SUBMITTALS

- A. General: Furnish submittals in quantity, format, and other Conditions of the Contract and as specified in Division 1 of the Project Manual.
- B. Shop Drawings showing profiles and product components, including anchorages and accessories.
 - 1. Show location and configuration for each anchor.
 - 2. Show rock anchor design load.
 - 3. Show all rock anchor components, corrosion protection system, top attachment, etc.
 - 4. Include Shop Drawings signed and sealed by a qualified professional engineer responsible for their preparation. The engineer shall be licensed to practice in the State of Kentucky.
 - 5. Shop drawings which show the Architect's or Engineer's title block, logo and/or seal will be rejected and returned unchecked.
 - 6. Computer generated electronic structural construction document files will be made available to the Contractor. The Contractor will be required to sign the Engineer's standard release of liability form prior to receiving the drawing files.
 - 7. Shop drawing resubmittals are reviewed for conformance with review marks only. Any changes or questions originating on a resubmittal shall be clearly clouded.

C. Structural Calculations.

- 1. Furnish structural calculations of all rock anchors at time of Shop Drawing submittal.
- 2. Show loading, section modulus, assumed allowable stress, stress diagrams and calculations, and similar information needed for analysis and to ensure that anchors comply with requirements.
- 3. Calculations shall be signed and sealed by a qualified professional engineer licensed to practice in the State of Kentucky.
- 4. Architect's and Engineer's review of the calculations is for general conformance with the contract documents. Actual calculations are the responsibility of the rock anchor design engineer and shall not be reviewed for content or accuracy by the Architect or Engineer.

1.8 INFORMATIONAL SUBMITTALS

- A. General: Furnish submittals in quantity, format, and other Conditions of the Contract and as specified in Division 1 of the Project Manual.
- B. Qualification data for firms and persons specified in the "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

C. Testing Assembly

- Drawings indicating all components, dimensions, etc. of testing assembly for test anchor.
- 2. Drawings shall be signed and sealed by a qualified professional engineer licensed to practice in the state of Kentucky.
- D. Product Data including manufacturer's data product sheet for specified products and other data to show compliance with the specifications (including specified standards).
- E. Manufacturer's installation instructions.

F. Closeout Submittals:

- 1. Warranty: Warranty documents specified herein.
- 2. Record Documents: Project record documents for installed materials. Include all relevant installation information.
- 3. Load certification: The contractor shall submit a letter certifying that the piles (as installed) meet or exceed the loading criteria shown on the drawings. The letter shall be sealed, signed and dated by the engineer in responsible charge of the design of the foundation system

1.9 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced Installer who has completed rock anchor work similar in material, design, and extent to that indicated for this Project and with a record of successful in-service performance. The Contractor shall have completed a minimum of 15 projects over the past 3 years, each with a minimum of 15 rock anchors installed.
- B. Fabricator Qualifications: Engage a firm experienced in fabricating steel rock anchor components similar to that indicated for this Project and with a record of successful in-

service performance, as well as sufficient production capacity to fabricate steel rock anchors without delaying the Work.

C. Professional Engineer Qualifications: A professional engineer who is legally authorized to practice in the State of Kentucky and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for projects with steel rock anchors that are similar to that indicated for this Project in material, design, and extent.

1.10 DELIVERY, STORAGE, AND HANDLING

- A. Deliver steel rock anchors to Project site in such quantities and at such times to ensure continuity of installation.
- B. Handle and store steel rock anchor components with care and in accordance with manufacturer's instructions.
- C. Time delivery and installation of anchors to avoid extended on-site storage and to avoid delaying work of other trades.

PART 2 - PRODUCTS

2.1 FABRICATOR/INSTALLER

- A. Rock Anchor Foundation System.
 - 1. Available Contractors: Subject to compliance with requirements, manufacturers offering products that my be incorporated in the Work include, but are not limited to, the following:
 - a. Alph C Kaufman (Atlas Piers), 1113 West Main Street, Louisville, KY 40203; 1-888-525-6847.
 - b. Hayward Baker, 3939A Papermill Road, Knoxville, TN 37909; 865-583-8212.
 - Dwyer Companies, 900 Contract St. Suite 200, Lexington, KY 40505; 1-877-399-3726.
 - d. United Structural Systems (AB Chance), 723 Chenault Bridge Road, Lancaster, KY 40444; 800-359-4471.
 - e. Richard Goettle, Inc., 12071 Hamilton Avenue, Cincinnati, OH 45231; 800-248-8661

2.2 ROCK ANCHOR COMPONENTS

A. Anchor components shall be selected by the anchor manufacturer and installer. The engineer responsible for the design of the anchor system shall list applicable ASTM standards utilized for design of each component.

2.3 SOURCE QUALITY

A. Source Quality: Obtain proprietary rock anchor products from a single manufacturer.

PART 3 - EXECUTION

3.1 PREPARATION

A. Unless other satisfactory agreements are made between the steel rock anchor contractor and the general contractor, all of the necessary excavation, filling and concrete slab replacement shall be performed by the General Contractor.

3.2 INSTALLATION

- A. Installation of the rock anchor: The anchor sections shall be installed per manufacturer's recommendations in conjunction with the calculations as performed by the engineer in responsible charge of the design of the rock anchor system.
- B. The rock anchor installation technique shall be such that it is consistent with the geotechnical, logistical, environmental, and load carrying conditions of the project. The rock anchor contractor shall select the drilling method and the installation procedures used for the installation of the rock anchors.
- C. The drilling equipment and methods shall be suitable for drilling through the conditions to be encountered, with minimal disturbance to these conditions or any overlying or adjacent structure or service.
- D. Pile splices shall be constructed as specified by the engineer in responsible charge of the design of the rock anchor system.

3.3 QUALITY CONTROL

- A. General: The Contractor shall perform the load testing and be financially responsible for all costs associated with the installation of the test anchor and the cost of the load test including any and all necessary reaction piles, reaction structure, etc. Comply with ASTM D3689 Standard Test Methods for Deep Foundations Under Static Axial Tensile Load.
 - Conduct pre-production load test on two rock anchors per ASTM D3689 Standard Test Methods for Deep Foundations Under Static Axial Tensile Load, Procedure A: Quick Test.
 - 2. A qualified engineer, licensed in the State of Kentucky, shall design and approve all loading apparatus, loaded members, support frames and test procedures.
 - 3. Do not proceed into production anchor installation until pre-production testing has completed and has been approved by the Architect.

B. Pre – Production Load Test Procedures

- Install two (2) pre-production rock anchors in a location selected by the Owner and that is not detrimental to the completed structure. Upon completion of testing, remove upper portion to a depth of 2 feet minimum below any adjacent new foundation or slab. Pre-production test anchor shall not be used as part of the completed structure.
- 2. The hydraulic jack shall be positioned at the beginning of the test such that the unloading and repositioning of the jack during the test shall not be required. The jack shall also be positioned co-axial with respect to the rock anchor so as to minimize eccentric loading. The hydraulic jack shall be capable of applying a load not less than two times the proposed design load (DL).
- 3. An alignment load (AL) shall be applied to the anchor prior to setting the deflection measuring equipment to zero or a reference position. The AL shall be no more than 10% of the design load (i.e., 0.1 DL). After AL is applied, the test set-up shall be inspected carefully to ensure it is safe to proceed.
- 4. Rock anchor load tests shall be conducted by loading the anchor in step-wise fashion as shown in Table-1 to the extent practical. Anchor deflection shall be recorded at the beginning of each step and after the end of the hold time. The beginning of the hold

time shall be defined as the moment when the load equipment achieves the required load step.

Table-1. Steps for Pre-Production Load Testing

LOAD STEP	HOLD TIME (MINUTES)
AL	5 Min.
0.10 DL	5 Min.
0.20 DL	5 Min.
0.30 DL	5 Min.
0.40 DL	5 Min.
0.50 DL	5 Min.
0.60 DL	5 Min.
0.70 DL	5 Min.
0.80 DL	5 Min.
0.90 DL	5 Min.
1.00 DL	5 Min.
1.10 DL	5 Min.
1.20 DL	5 Min.
1.30 DL	5 Min.
1.40 DL	5 Min.
1.50 DL	5 Min.
1.60 DL	5 Min.
1.70 DL	5 Min.
1.80 DL	5 Min.
1.90 DL	5 Min.
2.00 DL	60 Min.

AL = Alignment Load; DL = Design Load

- 5. Test loads shall be applied until continuous jacking is required to maintain the load step or until the test load increment equals 200% of the design load (DL) (i.e., 2.0 DL), whichever occurs first. The observation period for this last load increment shall be 60 minutes. Displacement readings shall be recorded at 10 minute intervals (load increment maxima only).
- 6. The applied test load shall be removed in 5 approximately equal decrements. The hold time for these load decrements shall be 5 minutes, except for the last decrement, which shall be held for 60 minutes.
- C. Acceptance Criteria for Rock Anchor Verification Load Tests
 - 1. Both of the following criteria must be met for approval:
 - a. The rock anchor shall sustain the tension design capacity (1.0 DL) with no more than 0.5 in. total vertical movement of the anchor head as measured relative to the top of the anchor prior to the start of testing.
 - b. Failure does not occur at the 2.0 DL maximum tension test load.
 - 2. The Contractor shall provide the Owner copies of field test reports confirming rock anchor configuration and construction details within 24 hours after completion of the load tests. This written documentation will either confirm the load capacity as required on the working drawings or propose changes based upon the results of the preproduction tests.
 - 3. When a rock anchor fails to meet the acceptance criteria, modifications shall be made to the design, the construction procedures, or both.
 - 4. For each failed test, conduct one more load test that incorporates the proposed modifications.

END OF SECTION 31 65 13

2511.8 Renew/Modernize Facilities (Frazee Hall)

Contract Documents

July 02, 2021

LAS Project No.

11396-00



LORD Addendum #2 8/10/2

SARGENT

ECK

Lord Aeck Sargent Architect

269 West Main Street

Lexington, KY 40507

(877) 929-1400

Suite 500

Lord Aeck Sargent Landscape Architect

269 West Main Street

Lexington, KY 40507

(877) 929-1400

Suite 500

651 Perimeter Drive Lexington, KY 40517

(859) 225-8500

Civil

Strand Associates

Lexington, KY 40505

Structural

(859) 543-0933

2224 Young Drive

Brown & Kubican

Staggs & Fisher Mechanical, Electrical, Plumbing & Fire Protection

628 Winchester Road Lexington, KY 40505

(859) 277-8177

GENERAL ADA STANDARDS 2009 ANSI A117.1 STANDARD DETAILS 2009 ANSI A117.1 STANDARD DETAILS UL DETAILS - WALL ASSEMBLIES UL DETAILS - WALL ASSEMBLIES UL DETAILS - WALL ASSEMBLIES UL DETAILS - COLUMNS UL DETAILS - COLUMNS UL DETAILS - WALL ASSEMBLIES G312 UL DETAILS - WALL ASSEMBLIES SITE TOPOGRAPHIC SURVEY C-101

SITE EPSC

SITE PLAN

C-105 SITE GRADING PLAN

C-109 SITE DETAILS SHEET 2

LH101 SITE PLAN

LH201 LAYOUT PLAN

LH401 SITE LIGHTING PLAN

LH502 HARDSCAPE DETAILS

LP501 PLANTING DETAILS

LP502 PLANTING DETAILS

LP503 PLANTING NOTES

STRUCTURAL

PLANTING PLAN

GENERAL NOTES

GENERAL NOTES

ISOMETRIC VIEWS

FOUNDATION PLAN

ROOF FRAMING PLAN

FIRST FLOOR FRAMING PLAN

THIRD FLOOR FRAMING PLAN

TYPICAL FOUNDATION DETAILS

TYPICAL FOUNDATION DETAILS

TYPICAL FOUNDATION DETAILS

FOUNDATION SECTIONS

FOUNDATION SECTIONS

S401 TYPICAL FRAMING DETAILS

SECOND FLOOR FRAMING PLAN

SPECIAL INSPECTIONS

SPECIAL INSPECTIONS

SITE DEMOLITION

SITE UTILITIES SHEET

SITE DETAILS SHEET 1

HARDSCAPE DETAILS

HARDSCAPE DETAILS

STORM SEWER PROFILES

LD101 TREE REMOVAL & PROTECTION PLAN

DEMOLITION AD100 GROUND FLOOR DEMOLITION PLAN AD102 SECOND FLOOR DEMOLITION PLAN AD103 THIRD FLOOR DEMOLITION PLAN AD104 ATTIC FLOOR DEMOLITION PLAN AD105 ROOF DEMOLITION PLAN AD201 NORTHWEST DEMOLITION ELEVATION AD202 SOUTHWEST DEMOLITION ELEVATION AD203 SOUTHEAST DEMOLITION ELEVATION AD204 NORTHEAST DEMOLTION ELEVATION **ARCHITECTURAL** SITE PLAN GROUND FLOOR - PLAN FIRST FLOOR - PLAN SECOND FLOOR - PLAN A103 THIRD FLOOR - PLAN ATTIC FLOOR PLAN STUDENT CENTER STORAGE ENLARGED PLAN - ALTERNATE 4 LH100 OVERALL SITE IMPROVEMENT / LIMITS OF DISTURBANCE PLAN NORTHWEST ELEVATION SOUTHWEST ELEVATION SOUTHEAST ELEVATION A204 NORTHEAST ELEVATION ADDITION ELEVATIONS ADDITION ELEVATIONS **EGRESS STAIR ELEVATIONS** PEDESTRIAN WALKWAY ELEVATIONS - ALTERNATE 4 **BUILDING SECTIONS** BUILDING SECTIONS BUILDING SECTIONS WALL SECTIONS - FRAZEE WALL SECTIONS - FRAZEE

A604 THIRD FLOOR - INTERIOR ELEVATIONS ENLARGED CASEWORK PLANS & ELEVATIONS **ENLARGED CASEWORK PLANS & ELEVATIONS ENLARGED CASEWORK PLANS & ELEVATIONS** INTERIOR CASEWORK DETAILS WALL SECTIONS - ADDITION WALL SECTIONS - EGRESS STAIR ENLARGED RESTROOM PLAN AND ELEVATIONS WALL SECTIONS - PEDESTRIAN WALKWAY - ALTERNATE 4 ENLARGED RESTROOM PLAN AND ELEVATIONS VERTICAL CIRCULATION - STAIR A ENLARGED RESTROOM PLAN AND ELEVATIONS VERTICAL CIRCULATION - STAIR A ENLARGED RESTROOM PLAN AND ELEVATIONS VERTICAL CIRCULATION - STAIR B ENLARGED RESTROOM PLAN AND ELEVATIONS VERTICAL CIRCULATION - STAIR DETAILS INFILL DETAILS VERTICAL CIRCULATION - STAIR DETAILS INTERIOR DETAILS VERTICAL CIRCULATION - PEDESTRIAN WALKWAY -INTERIOR DETAILS ALTERNATE 4 INTERIOR FINISH LEGEND VERTICAL CIRCULATION - ELEVATOR INTERIOR FINISH SCHEDULE VERTICAL CIRCULATION - ELEVATOR DETAILS FINISH FLOOR PLAN - GROUND FLOOR GROUND FLOOR REFLECTED CEILING PLAN FINISH FLOOR PLAN - FIRST FLOOR FIRST FLOOR REFLECTED CEILING PLAN FINISH FLOOR PLAN - SECOND FLOOR SECOND FLOOR REFLECTED CEILING PLAN A713 FINISH FLOOR PLAN - THIRD FLOOR THIRD FLOOR REFLECTED CEILING PLAN

SECTION DETAILS SECTION DETAILS WATERPROOFING DETAILS **EXPANSION JOINTS - ADDITION EXPANSION JOINTS - ADDITION** EXPANSION JOINTS - STAIR B EXPANSION JOINTS - STAIR B EXPANSION JOINTS - PEDESTRIAN WALKWAY - ALTERNATE 4 EXPANSION JOINTS - PEDESTRIAN WALKWAY - ALTERNATE 4 EXTERIOR DETAILS - NORTHWEST ENTRY A532 EXTERIOR DETAILS - SOUTHWEST ENTRY **ROOF DETAILS ROOF DETAILS** DOOR ELEVATIONS, DETAILS, & SCHEDULE DOOR DETAILS DOOR DETAILS WINDOW ELEVATIONS & SCHEDULE WINDOW DETAILS WINDOW DETAILS WINDOW DETAILS **CURTAIN WALL ELEVATIONS CURTAIN WALL ELEVATIONS** TYPICAL CURTAIN WALL AND STOREFRONT DETAILS GROUND FLOOR - INTERIOR ELEVATIONS **GROUND FLOOR - INTERIOR ELEVATIONS** FIRST FLOOR - INTERIOR ELEVATIONS FIRST FLOOR - INTERIOR ELEVATIONS SECOND FLOOR - INTERIOR ELEVATIONS SECOND FLOOR - INTERIOR ELEVATIONS STUDENT CENTER - INTERIOR ELEVATIONS - ALTERNATE 4 THIRD FLOOR - INTERIOR ELEVATIONS

SITE DETAILS U100 SITE UTILITIES PLAN - EAST SITE UTILITIES PLAN - WEST U103 FIRE PROTECTION SITE UTILITIES PLAN MECHANICAL LEGEND AND GENERAL NOTES H100 GROUND FLOOR - HVAC PLAN FIRST FLOOR - HVAC PLAN SECOND FLOOR - HVAC PLAN THIRD FLOOR - HVAC PLAN ATTIC - HVAC PLAN GROUND FLOOR - HYDRONIC PLAN FIRST FLOOR - HYDRONIC PLAN SECOND FLOOR - HYDRONIC PLAN THIRD FLOOR - HYDRONIC PLAN H300 HVAC DETAILS H301 HVAC DETAILS **HVAC DETAILS ENLARGED PLANS** HVAC FLOW DIAGRAM **HVAC SCHEDULES HVAC SCHEDULES** INSTRUMENTATION AND CONTROLS INSTRUMENTATION AND CONTROLS INSTRUMENTATION AND CONTROLS INSTRUMENTATION AND CONTROLS PLUMBING P000 UNDER FLOOR - PLUMBING PLAN GROUND FLOOR - SANITARY WASTE & VENT PLAN FIRST FLOOR - SANITARY WASTE & VENT PLAN SECOND FLOOR - SANITARY WASTE & VENT PLAN THIRD FLOOR - SANITARY WASTE & VENT PLAN GROUND FLOOR - DOMESTIC WATER PLAN FIRST FLOOR - DOMESTIC WATER PLAN SECOND FLOOR - DOMESTIC WATER PLAN THIRD FLOOR - DOMESTIC WATER PLAN PLUMBING RISER DIAGRAMS PLUMBING RISER DIAGRAMS PLUMBING RISER DIAGRAMS PLUMBING ATTIC & ROOF PLAN, SCHEDULES AND DETAILS PLUMBING DETAILS FIRE PROTECTION FP100 GROUND FLOOR - FIRE PROTECTION FP101 FIRST FLOOR - FIRE PROTECTION FP102 SECOND FLOOR - FIRE PROTECTION PLAN

FP103 THIRD FLOOR - FIRE PROTECTION PLAN

GROUND FLOOR - PLASTER REPAIR PLAN

FURNITURE PLAN - THIRD FLOOR (REFERENCE ONLY)

SITE DETAILS

SITE DETAILS

LOCATION MAP

FP105 STUDENT CENTER LEVEL ONE - FIRE PROTECTION PLAN

FP200 FIRE PROTECTION DETAILS

FP104 ATTIC - FIRE PROTECTION PLAN

ELECTRICAL LEGEND AND GENERAL NOTES E100 GROUND FLOOR - LIGHTING PLAN FIRST FLOOR - LIGHTING PLAN SECOND FLOOR - LIGHTING PLAN THIRD FLOOR - LIGHTING PLAN ATTIC - LIGHTING PLAN LIGHT FIXTURE SCHEDULE & LIGHTING SEQUENCE OF OPERATIONS GROUND FLOOR - POWER PLAN FIRST FLOOR - POWER PLAN SECOND FLOOR - POWER PLAN THIRD FLOOR - POWER PLAN GROUND FLOOR MECHANICAL POWER PLAN

FIRST FLOOR MECHANICAL POWER PLAN SECOND FLOOR MECHANICAL POWER PLAN THIRD FLOOR MECHANICAL POWER PLAN ATTIC MECHANICAL POWER PLAN

STUDENT CENTER LEVEL THREE ELECTRICAL PLAN STUDENT CENTER LEVEL THREE REFLECTED CEILING PLAN GROUND FLOOR - LOW-VOLTAGE PLAN FIRST FLOOR - LOW-VOLTAGE PLAN

SECOND FLOOR - LOW-VOLTAGE PLAN THIRD FLOOR - LOW-VOLTAGE PLAN GROUND FLOOR - SECURITY PLAN FIRST FLOOR - SECURITY PLAN SECOND FLOOR - SECURITY PLAN

THIRD FLOOR - SECURITY PLAN TELECOMMUNICATION RISER DIAGRAM

E309 STUDENT CENTER LEVEL ONE FLOOR PLAN

E400 ELECTRICAL DISTRIBUTION SYSTEM RISER DIAGRAM

ELECTRICAL PANEL SCHEDULES E402 ELECTRICAL PANEL SCHEDULES E500 ELECTRICAL DETAILS

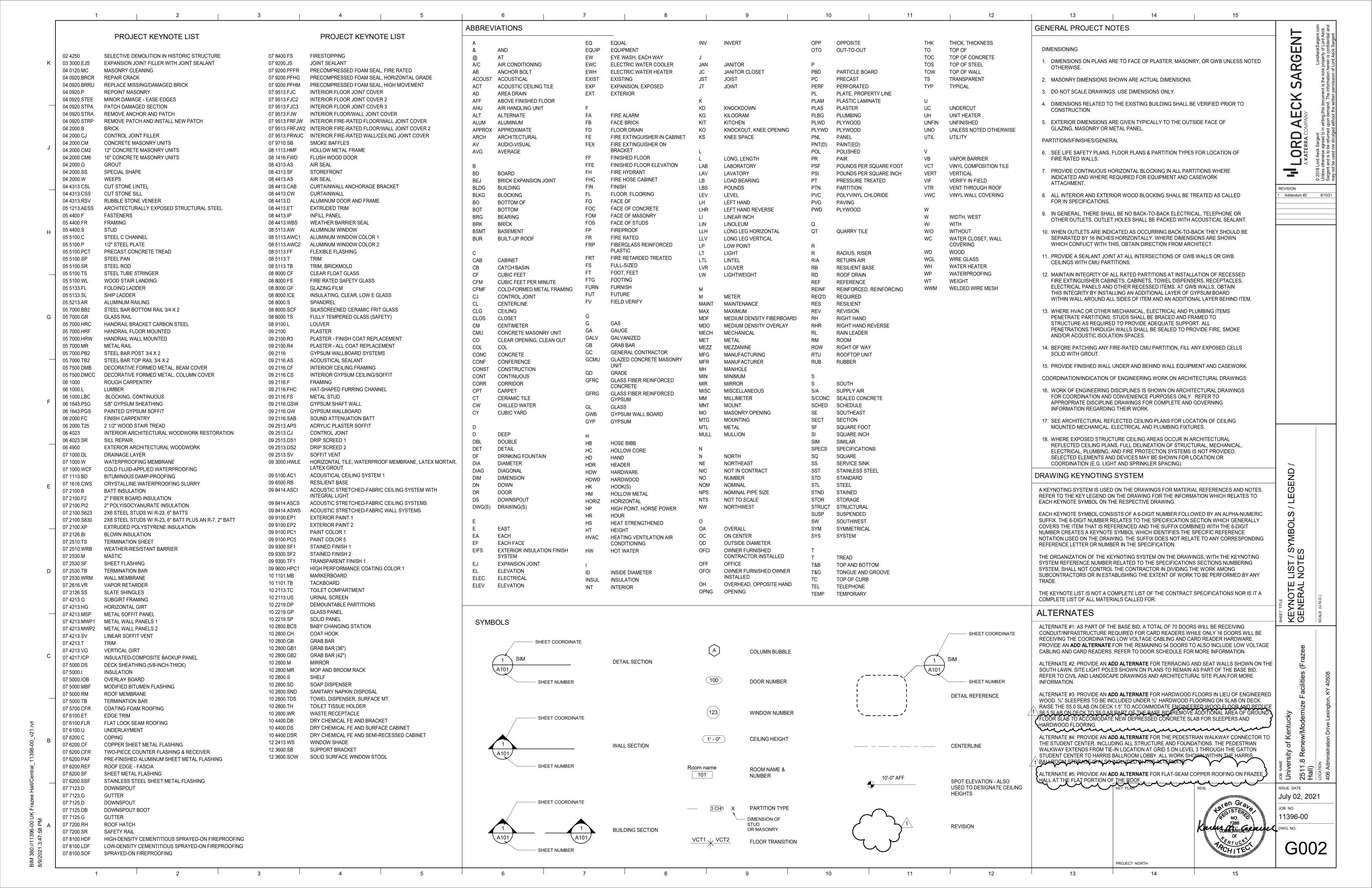
IRRIGATION IR101 IRRIGATION PLAN IR601 IRRIGATION DETAILS

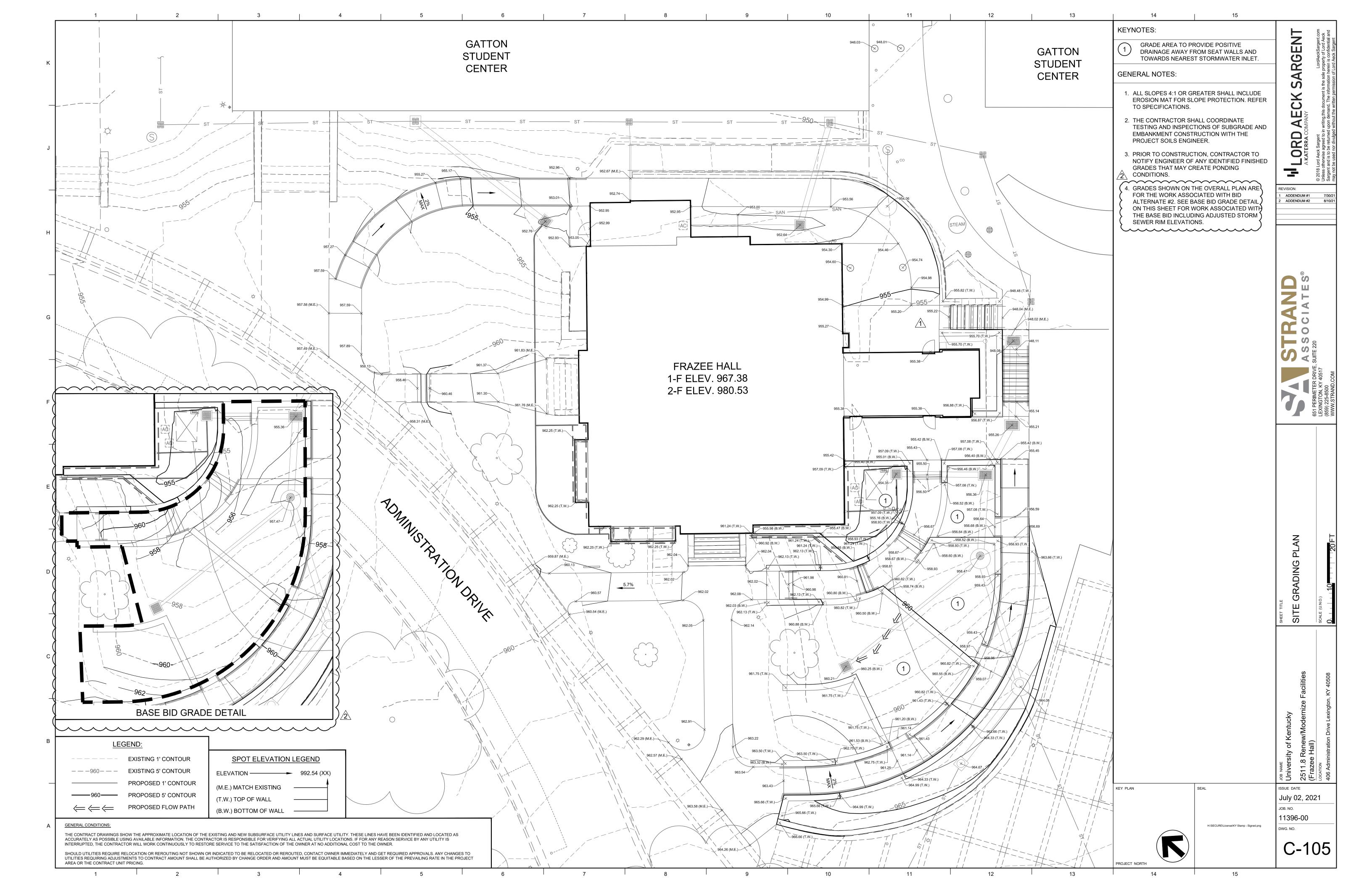


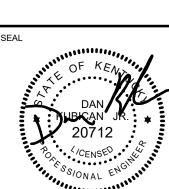
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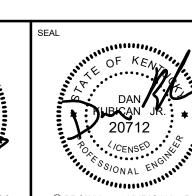
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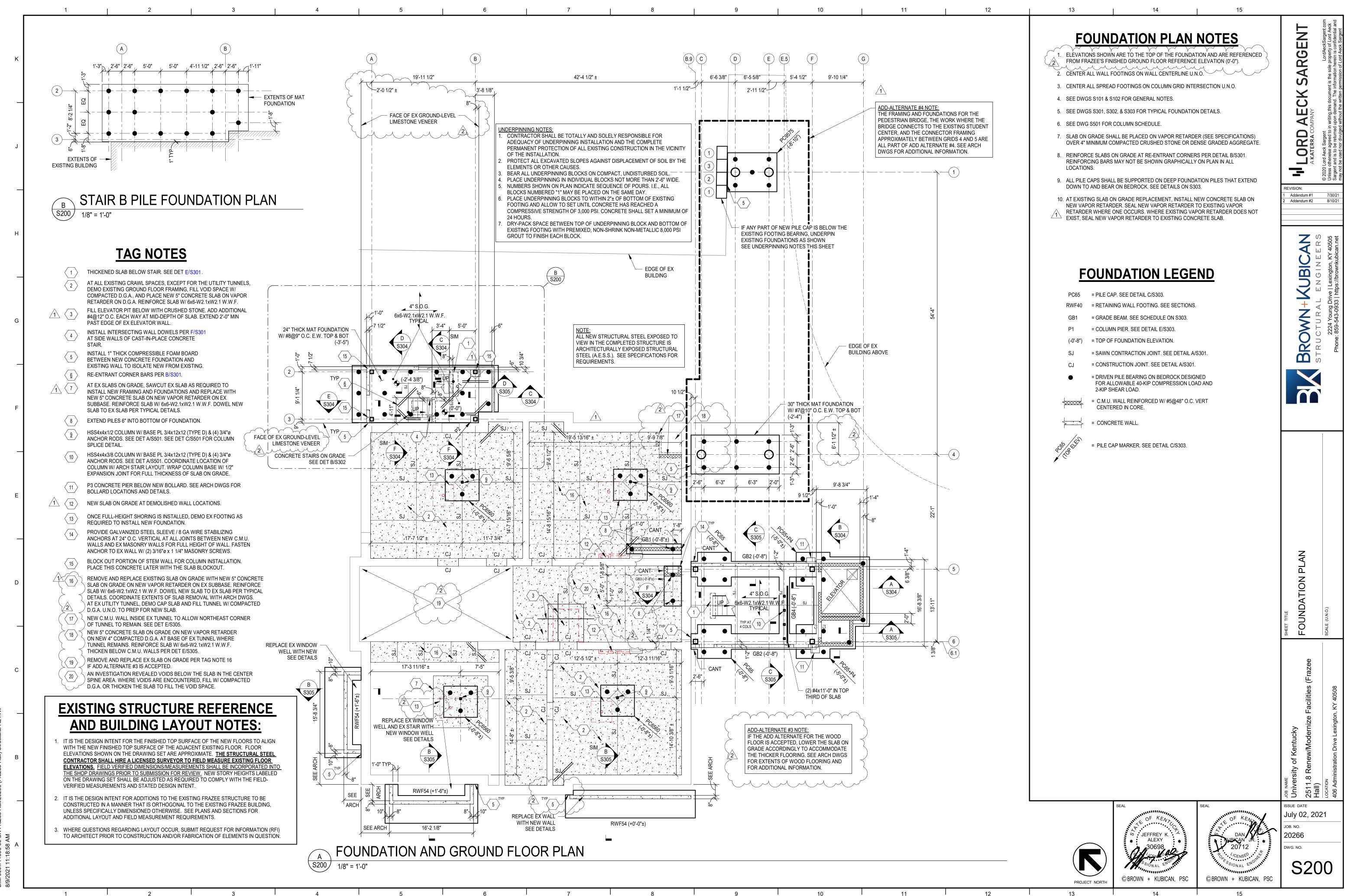
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SOILS (IBC 1705.6)					WOOD CONSTRUCTION (IBC 1705.5)	N	(IBC 1705.4)					COMPONENT
TESTING AGENCY WILL TEST COMPACTION OF SOILS IN PLACE ACCORDING TO ASTM D 1556, ASTM D 2167, ASTM D 6938, AND ASTM D 2937, AS APPLICABLE. TESTS SHALL BE PERFORMED AT THE FOLLOWING LOCATIONS AND FREQUENCIES: 1. BUILDING SLAB AREAS: AT SUBGRADE AND AT EACH COMPACTED FILL AND BACKFILL LAYER, AT LEAST 1 TEST FOR EVERY 2000 SQ. FT. OR LESS OF BUILDING SLAB, BUT IN NO CASE FEWER THAN 3 TESTS.	DURING PLACEMENT AND COMPACTION OF THE ENGINEERED FILL MATERIAL, VERIFY THAT THE MATERIAL BEING USED, MAXIMUM LIFT THICKNESS, AND IN-PLACE DRY DENSITY COMPLY WITH THE RECOMMENDATIONS OF THE APPROVED GEOTECHNICAL REPORT. 1. SOIL FILLS SHALL BE EXEMPT FROM SPECIAL INSPECTION WHEN TOTAL FILL PLACEMENT IS LESS THAN 12 INCHES DEEP. 2. TESTING AGENCY TO INSPECT AND TEST SUBGRADES AND EACH FILL OR BACKFILL LAYER.	PRIOR TO PLACEMENT OF ANY ENGINEERED FILL, DETERMINE THAT THE SITE HAS BEEN PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE APPROVED GEOTECHNICAL INVESTIGATION REPORT. 1. TEST SAMPLES FROM PROPOSED BORROW ON- AND OFF- SITE SOURCES OF FILL FOR COMPLIANCE WITH THE APPROVED MATERIALS LISTING AND OTHER REQUIREMENTS OF THE GEOTECHNICAL REPORT AND THE SPECIFICATIONS. CLAY SOILS SHALL BE CHECKED FOR ACCEPTABLE PLASTICITY INDEX PRIOR TO MOVING ON SITE. MAXIMUM ORGANIC CONTENT SHALL BE VERIFIED BY INSPECTION OR TEST TO BE BELOW ACCEPTABLE LIMITS.	OBSERVE PROOFROLLING OF THE BUILDING PAD AREAS PRIOR TO COMMENCEMENT OF FILL/SUBBASE PLACEMENT, AND DURING FILL PLACEMENT (IF REQUIRED).	INSPECT THE EXISTING SITE SOIL CONDITIONS, FILL PLACEMENT, AND LOAD-BEARING REQUIREMENTS FOR COMPLIANCE WITH THE RECOMMENDATIONS OF THE APPROVED GEOTECHNICAL INVESTIGATION REPORT. WHERE THE SITE IS SPECIFIED TO BE UNDERCUT BY THE GEOTECHNICAL INVESTIGATION REPORT, VERIFY ALL UNSUITABLE SOILS, DEBRIS, ROCK AND OTHER MATERIALS HAVE BEEN REMOVED FROM BELOW BUILDING FOOTPRINT. 1. VERIFY THAT TOPSOIL HAS BEEN STRIPPED AND REMOVED FROM BUILDING FOOTPRINT. 2. VERIFY ALL EXISTING UNCONTROLLED FILLS, SOFT AND UNSUITABLE SOILS HAVE BEEN REMOVED FROM BELOW APPLICABLE FOUNDATION ELEMENTS. TEST NATIVE MATERIAL AT BASE OF CUT TO ENSURE THAT UNSUITABLE MATERIAL HAS BEEN COMPLETELY REMOVED; NOTIFY ARCHITECT IF UNACCEPTABLE MATERIAL REMAINS AFTER COMPLETION OF SPECIFIED UNDERCUT.	PERFORM INSPECTION OF WOOD CONSTRUCTION TO VERIFY INSTALLATION OF BLOCKING, FASTENERS, AND FASTENING WITH THE CONTRACT DOCUMENT PROVISIONS. PERFORM INSPECTION OF DIAPHRAGMS. 1. VERIFY GRADE AND THICKNESS OF SHEAR PANELS. 2. VERIFY THE NOMINAL SIZE OF FRAMING MEMBERS AT PANEL EDGES. 3. VERIFY NAIL DIAMETER, LENGTH, AND SPACING; NUMBER OF FASTENER LINES; AND SPACING AND EDGE DISTANCE OF FASTENER LINES.	VERIFY USE OF PROPER SPECIES AND GRADE OF LUMBER.	FOR CONCRETE MASONRY DESIGNED IN ACCORDANCE WITH THE UNIT STRENGTH METHOD (AS SPECIFIED ON THE GENERAL NOTES), SAMPLE AND TEST GROUT COMPRESSIVE STRENGTH ACCORDING TO ASTM C 1019, MORTAR COMPRESSIVE STRENGTH ACCORDING TO ASTM C780, AND THE FOLLOWING: 1. COMPRESSION TEST SAMPLE: ONE SET OF THREE STANDARD CUBE SPECIMENS FOR EACH COMPRESSIVE-STRENGTH TEST, UNLESS OTHERWISE DIRECTED. MOLD AND STORE CUBES FOR LABORATORY-CURED TEST SPECIMENS EXCEPT WHEN FIELD-CURED TEST SPECIMENS ARE REQUIRED. 2. COMPRESSIVE-STRENGTH TESTS: AT THE COMMENCEMENT OF CONSTRUCTION TAKE SAMPLES PRIOR TO CONSTRUCTION, THE NEXT 4 SAMPLES FOR EACH 2,500 SQ FEET OF WALL CONSTRUCTION, AND THEN FOLLOWING THEREAFTER FOR EACH 5,000 SQ FEET OF WALL CONSTRUCTION. TEST ONE SPECIMEN AT 7 DAYS, ONE SPECIMEN TESTED AT 28 DAYS, AND ONE SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED.	PERFORM INSPECTION OF MASONRY CURING PROCEDURES TO VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE, PROTECTION, AND TECHNIQUES.	PRIOR TO EACH GROUTING OPERATION, VERIFY CLEANLINESS OF GROUT SPACE, PLACEMENT OF ALL REINFORCEMENT AND CONNECTORS, INCLUDING LAP SPLICE LENGTHS, AND PROPORTIONS OF SITE-PREPARED GROUT. PERFORM INSPECTION OF GROUT PLACEMENT TO VERIFY COMPLIANCE WITH CONTRACT DOCUMENT PROVISIONS.	PERFORM INSPECTION TO VERIFY SIZE AND LOCATION OF STRUCTURAL ELEMENTS; TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING ANCHORAGE TO OTHER STRUCTURAL ELEMENTS, FRAMES, AND CONSTRUCTION; AND SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT.	AT ONSET OF MASONRY CONSTRUCTION AND PERIODICALLY THEREAFTER, VERIFY PROPORTIONS OF SITE-PREPARED MORTAR, CONSTRUCTION OF MORTAR JOINTS, AND LOCATION OF REINFORCEMENT AND CONNECTORS.	TEST OR SPECIAL INSPECTION
PERIODIC	CONTINUOUS	PERIODIC	PERIODIC	PERIODIC	PERIODIC	PERIODIC	PERIODIC	PERIODIC	PERIODIC CONTINUOUS	PERIODIC	PERIODIC	PERIODIC OR CONTINUOUS
SSI, NICET-2S	SSI, NICET-2S	SSI, NICET-2S	SSI, NICET-2S	SSI, NICET-2S SSI, NICET-2S		PE	SMSI	SMSI	SMSI SMSI	SMSI	SMSI	ACCEPTABLE QUALIFICATIONS

AL INSTECTIONS CHART:
4110 SPECIFICATION FOR ADDITIONAL REQUIREMENTS AND RESPONSIBILITIES.
ECTIONS AS DEFINED IN SECTIONS 1704 AND 1705 OF THE KENTUCKY BUILDING
EQUIRED. ALL REFERENCES SHOWN ARE TO THE KBC 2018 / IBC 2015.

DESIGNATION	REQUIRED CERTIFICATION
ACI-2	ACI CERTIFIED CONCRETE FIELD TESTING TECHNICIAN LEVEL 2, PLUS 2-YEARS' RELATED EXPERIENCE
AWS-1	AWS LEVEL 1
AWS-UT-2	AWS ULTRAGRAPHIC TESTING LEVEL II IN ACCORDANCE WITH CURRENT ASNT-TC-1A STANDARDS
CWI	AWS CERTIFIED WELD INSPECTOR
NICET-1	NICET LEVEL 1, MINIMUM 2-YEARS' RELATED EXPERIENCE
NICET-2C	CURRENT NICET CONCRETE LEVEL II CERTIFICATION PLUS 4-YEARS' RELATED EXPERIENCE
NICET-2S	CURRENT NICET SOILS LEVEL II CERTIFICATION PLUS 4-YEARS' RELATED EXPERIENCE
PE	PROFESSIONAL ENGINEER WITH MINIMUM OF 8-YEARS' EXPERIENCE, LICENSED IN THE PROJECT STATE, WHOSE PRINCIPAL WORK EXPERIENCE HAS BEEN IN THE DESIGN OF BUILDING STRUCTURES
RCSI	ICC CERTIFIED REINFORCED CONCRETE SPECIAL INSPECTOR
SFSI	ICC CERTIFIED SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR
SMSI	ICC CERTIFIED STRUCTURAL MASONRY SPECIAL INSPECTOR
SSI	ICC CERTIFIED SOILS SPECIAL INSPECTOR
SSSI	ICC CERTIFIED STRUCTURAL STEEL & BOLTING SPECIAL INSPECTOR
SWSI	ICC CERTIFIED STRUCTURAL WELDING SPECIAL INSPECTOR

APPLIED FIREPROOFING (IBC 1705.14)					ROCK ANCHORS			
SPECIAL INSPECTIONS FOR MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS APPLIED TO STRUCTURAL ELEMENTS AND DECKS SHALL BE IN ACCORDANCE WITH AWCI 12-B AS PRODUCED BY THE ASSOCIATION OF THE WALL AND CEILING INDICERNIES INTERNATIONAL	TESTS AND INSPECTIONS. TESTING AND INSPECTING OF COMPLETED APPLICATIONS OF SPRACES IT SUFFICIAL (SPRAM) SHALL TAKE PLACE IN SUCCESSIVE STRAGES, IN AREAS OF EXTENT AND USING METHODS AS FOLLOWS, CONTRACTOR IS NOT TO PROCEED WITH APPLICATION OF SFRAM FOR THE NEXT AREA JUNTIL TEST RESULTS FOR PREVIOUSLY COMPLETED APPLICATION OF SFRAM FOR THE NEXT AREA JUNTIL TEST RESULTS FOR PREVIOUSLY COMPLETED APPLICATION OF SFRAM FOR THE NEXT AREA JUNTIL TEST RESULTS FOR PREVIOUSLY COMPLETED APPLICATION OF SFRAM FOR THE NEXT AREA JUNTIL TEST RESULTS FOR PREVIOUSLY COMPLETED APPLICATION OF SFRAM FOR THE HICKNESS REQUIRED FOR APPROVED FIRE-THICKNESS IN SECRETARY THAN THE THICKNESS REQUIRED FOR APPROVED FIRE-THICKNESS IN SECRETARY THAN THE THICKNESS REQUIRED FOR APPROVED FIRE-PREVIOUSLY COMPLETED AND REQUIRED FOR APPROVED FIRE-PREVIOUSLY THICKNESS SHALL BE THE DESIGN THICKNESS MINUS 25 PERCENT. THICKNESS SHALL BE THE DESIGN THICKNESS MINUS 25 PERCENT. THICKNESS SHALL BE THE DESIGN THICKNESS MINUS 25 PERCENT. THICKNESS SHALL BE DETERMINED IN ACCORDANCE WITH ASTM EGG. SHALL BE DETERMINED IN ACCORDANCE WITH ASTM EGG. SHALL BE DETERMINED IN ACCORDANCE WITH ASTM EGG. A THICKNESS SHALL BE THE DESIGN THICKNESS MINUS 25 PERCENT. THICKNESS SHALL BE DETERMINED IN ACCORDANCE WITH ASTM EGG. THICKNESS SHALL BE THE DESIGN THICKNESS MINUS 25 PERCENT. THICKNESS SHOWN A 14-50, IN SAMPLE AREA, WITH SAMPLE WIDTH OF NOT LESS THAN I SROPE ATOM A 14-50, IN SAMPLE AREA, WITH SAMPLE WIDTH OF NOT LESS THAN I SROPE ATOM A 14-50, IN SAMPLE AREA, WITH SAMPLE WIDTH OF NOT LESS THAN IS ROPE ATOM A 14-50, IN SAMPLE AREA, WITH SAMPLE WIDTH OF NOT LESS THAN IS ROPE ATOM A 14-50, IN SAMPLE AREA, WITH SAMPLE WIDTH OF SETULCTURAL AREA ON EACH FLOORS, ROOFS, WALLS, AND STRUCTURAL FRAME EGG. BENAS OR GIRDERS, THAN 610 CHESS PERRASTIME 606. DENSITY FOR FLOORS, ROOFS, WALLS, AND STRUCTURAL FRAME MEMBERS: AT FREQUENCY AND TRUSSES AND 12 MEASUREMENTS OF A SINGLE CROSS SCITION FOR DETERMINING THICKNESS OF EACH TYPE OF CONSTRUCTURAL FRAME PROVIDE BOND STRUCTURAL FRAMIN	TEST THAT THE SUBSTRATE HAS A MINIMUM AMBIENT TEMPERATURE BEFORE AND AFTER APPLICATION AS SPECIFIED IN THE APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS. MONITOR THAT THE AREA FOR APPLICATION IS VENTILATED DURING AND AFTER APPLICATION AS REQUIRED BY THE APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS.	INSPECT THE PREPARED SURFACE OF STRUCTURAL MEMBERS TO BE SPRAYED BEFORE THE APPLICATION OF THE SPRAYED-FIRE RESISTANCE MATERIAL.	SPECIAL INSPECTIONS SHALL BE BASED ON THE FIRE-RESISTANCE DESIGN AS DESIGNATED IN THE APPROVED CONSTRUCTION DOCUMENTS.	/IDE SPECIAL CORDANCE \ CORDANCE \ CORDANCE \ CORDANCE \ ARE A REPO 1. DATE \ 2. NAME. 3. TYPE \ 4. ACTUA 4. ACTUA 6. TOTAL 7. CUTOF 8. INCLIN 9. INSTAI 10. COMM RELEV VITOR GROUT CY IS AUTHO CY IS AUTHO CY IS AUTHO OUALITY CON 1. GROUT GROUT 1. GROUT 1. GROUT CARAL ENG OUALITY CON OBTAIR 3. FLOW- A FLOW- A FLOW- A FLOW- A FLOW-	TEST OR SPECIAL INSPECTION		
-	PERIODIC	PERIODIC	PERIODIC	:	CONTINUOUS CONTINUOUS CONTINUOUS	PERIODIC OR		
	SFS:	SFSI	SFSI		QUALIFICATIONS SSI, NICET-2S SSI, NICET-2S SSI, NICET-2S	ACCEPTABLE		

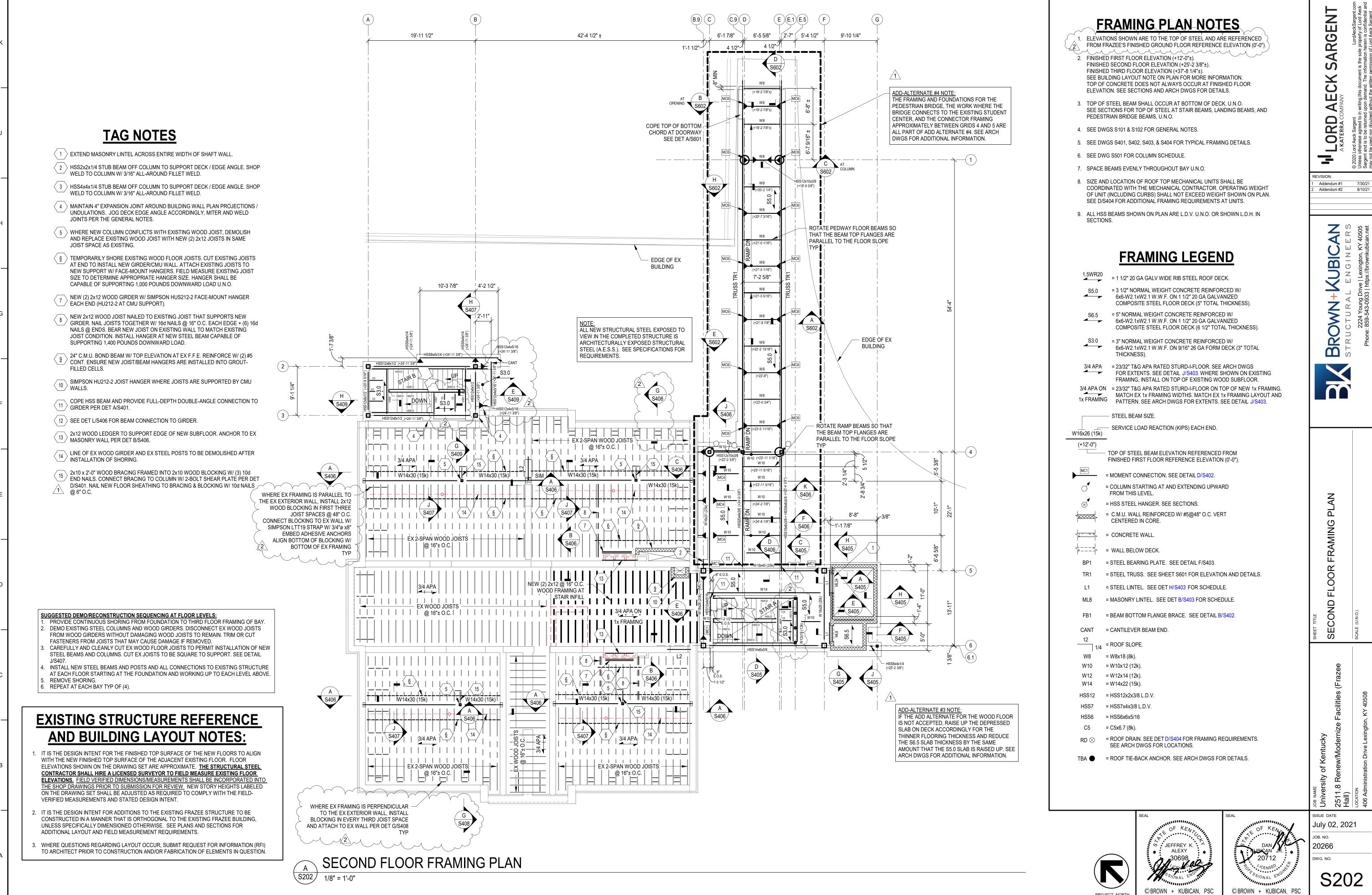


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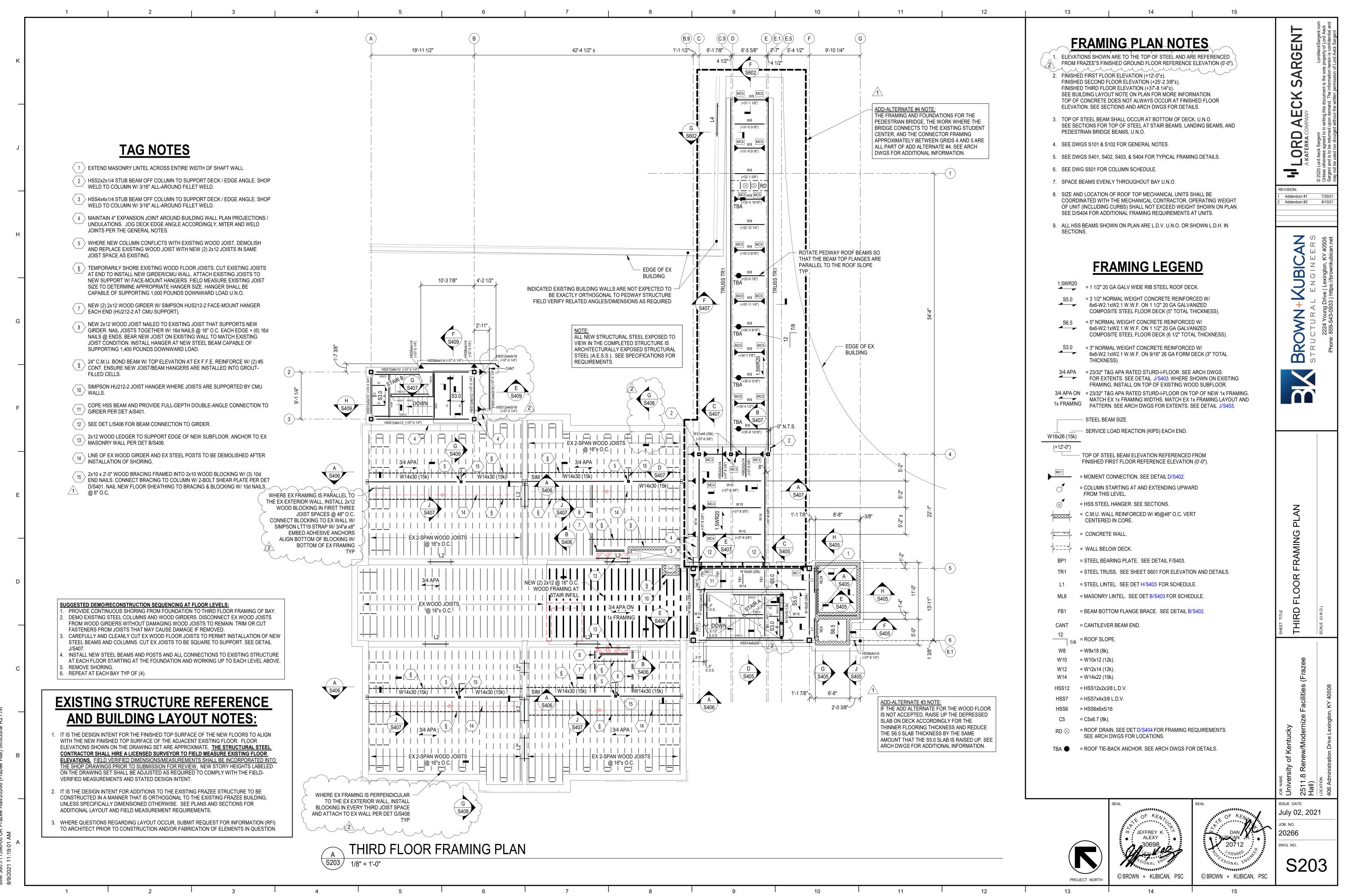
PROJECT NORTH

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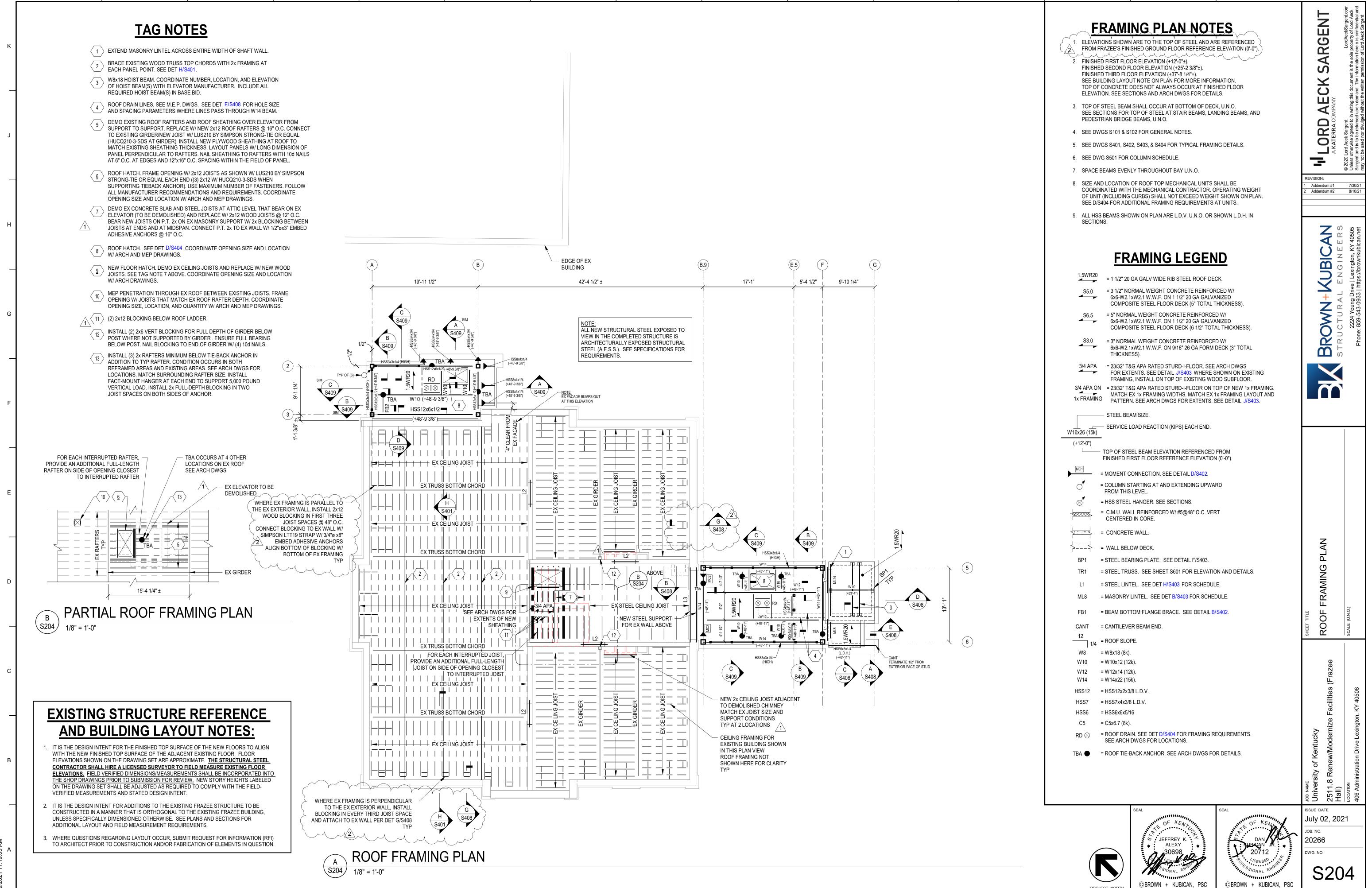
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RIM 360://41396_00 LIK Erazaa Hall/20266 (Frazaa Hall) Structu

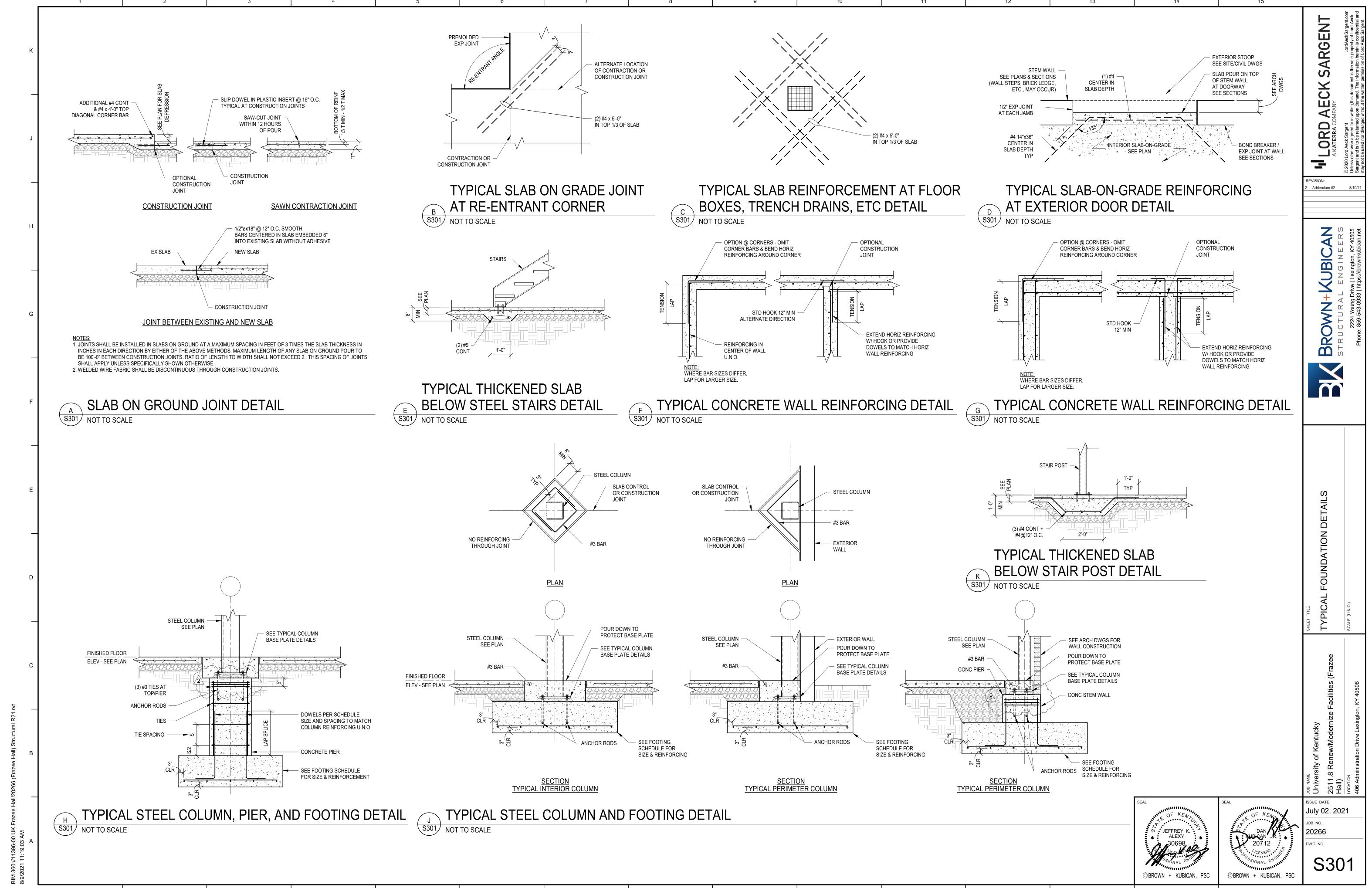


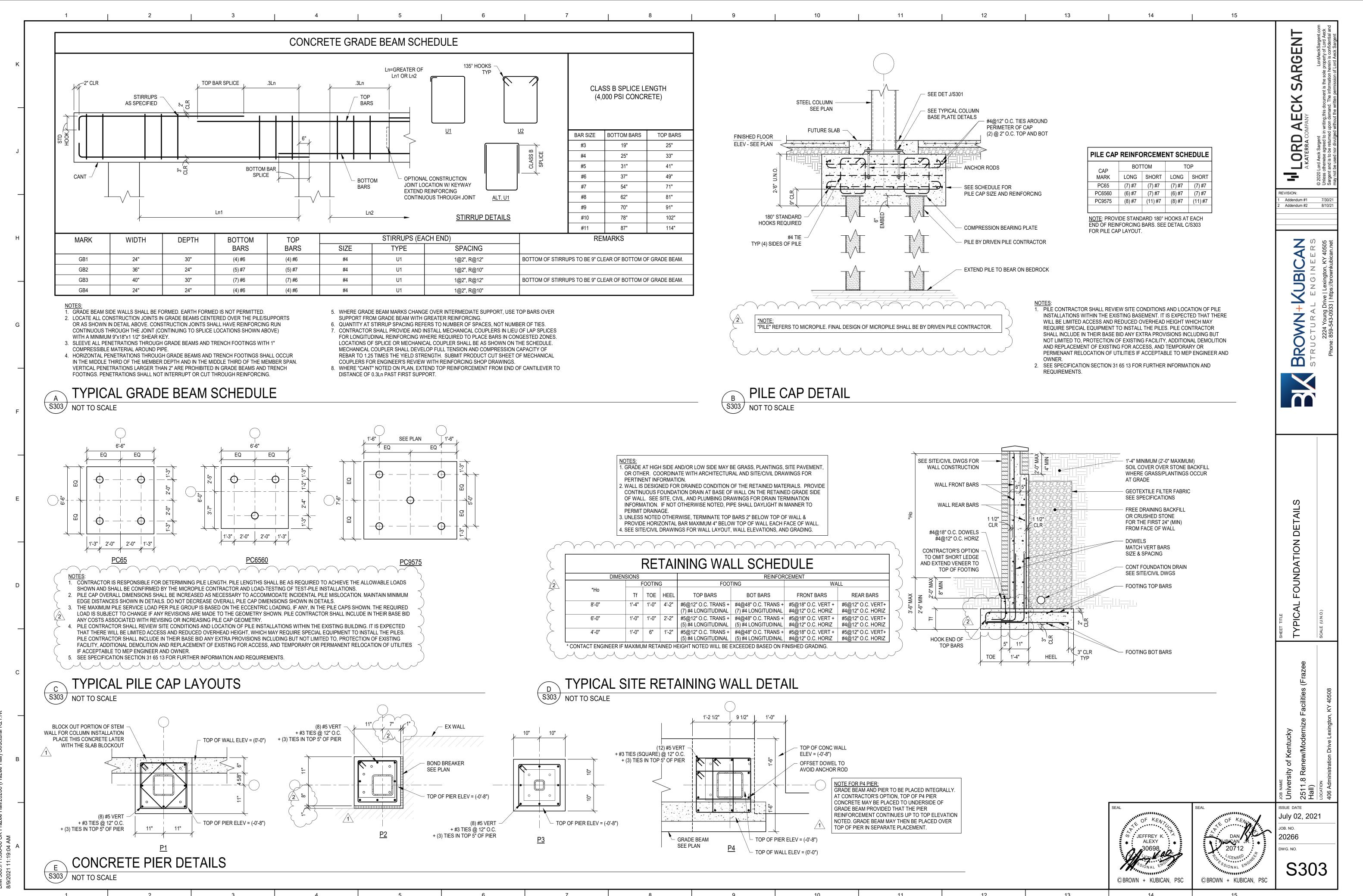
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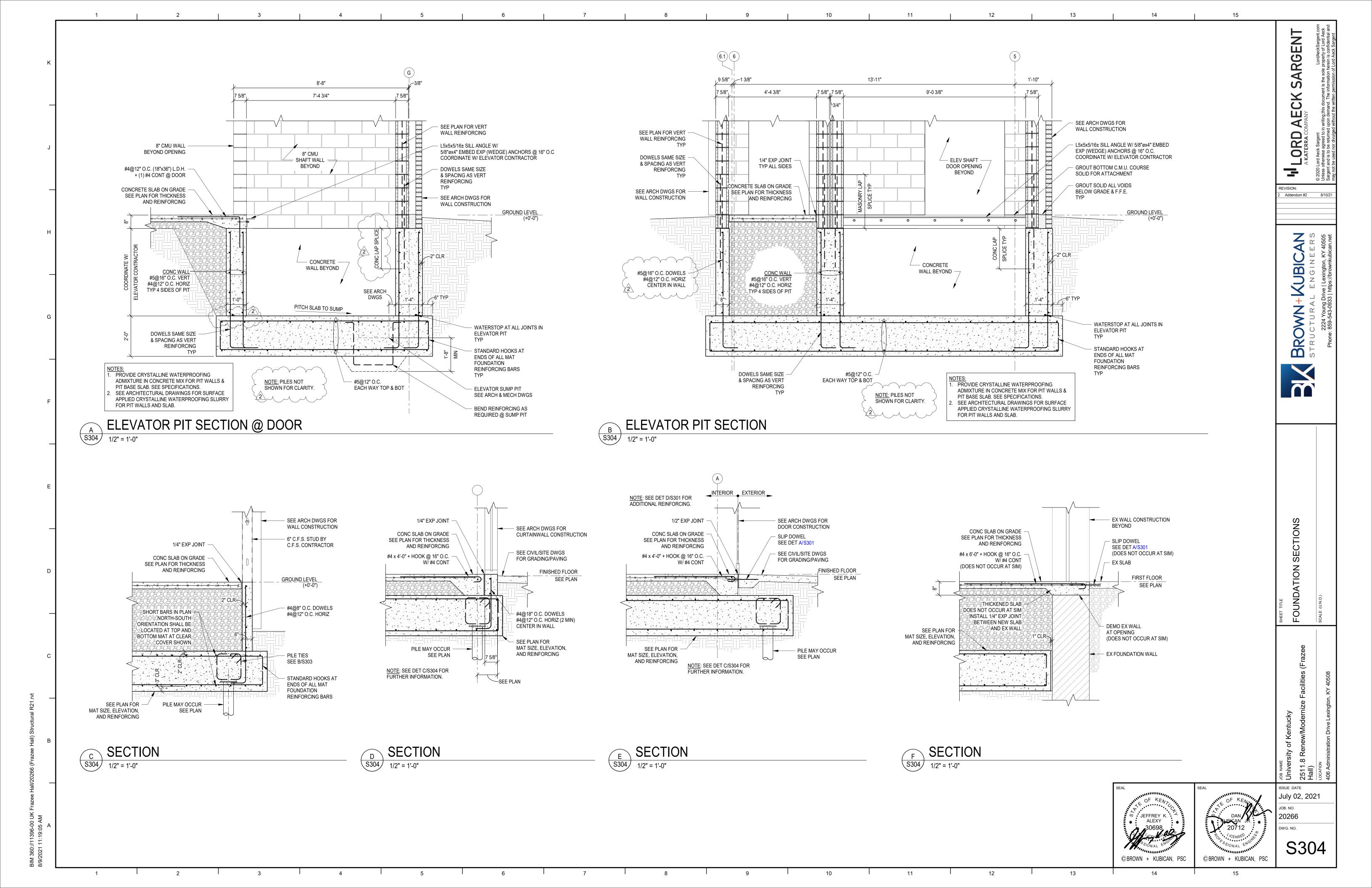
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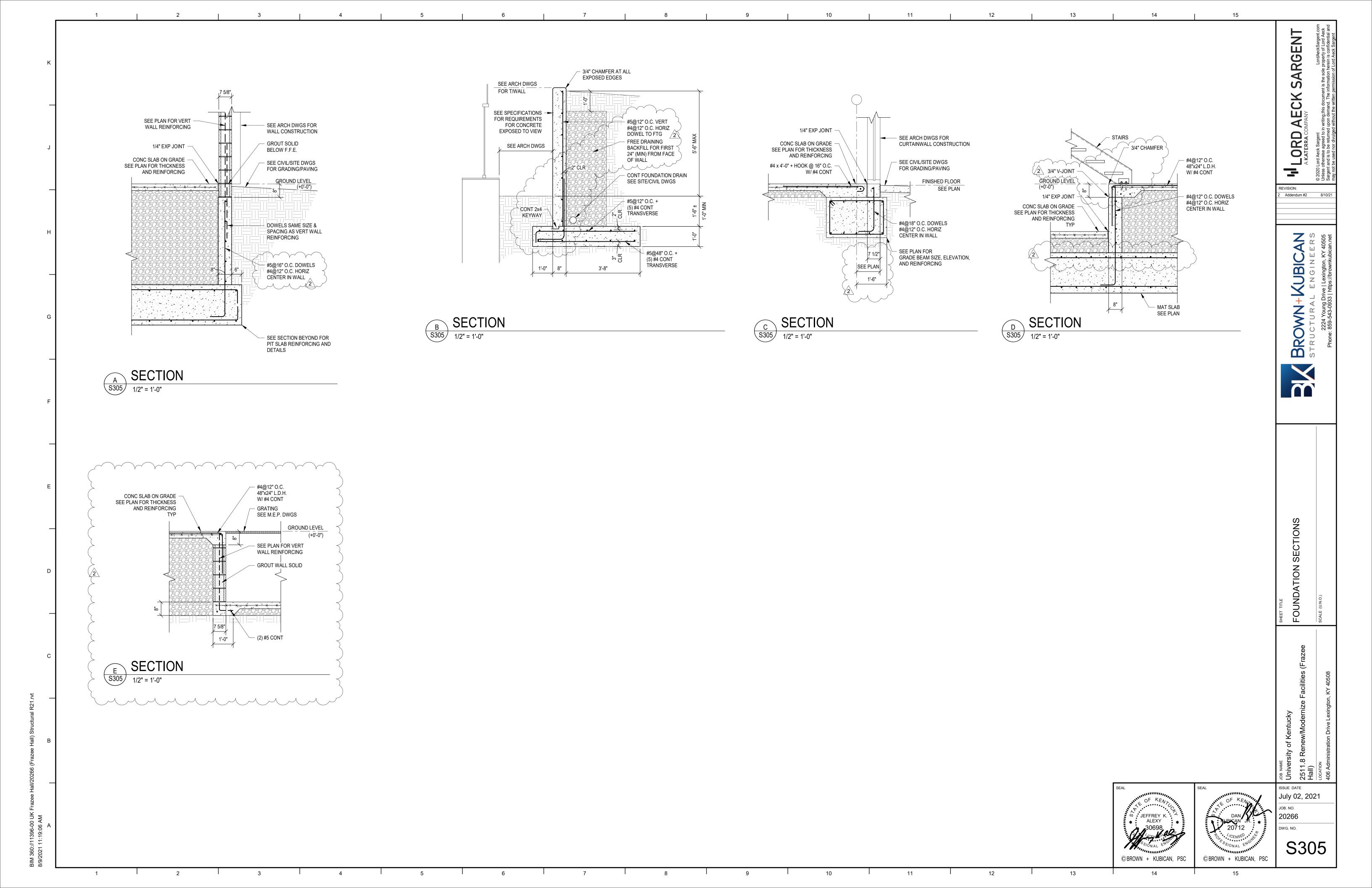
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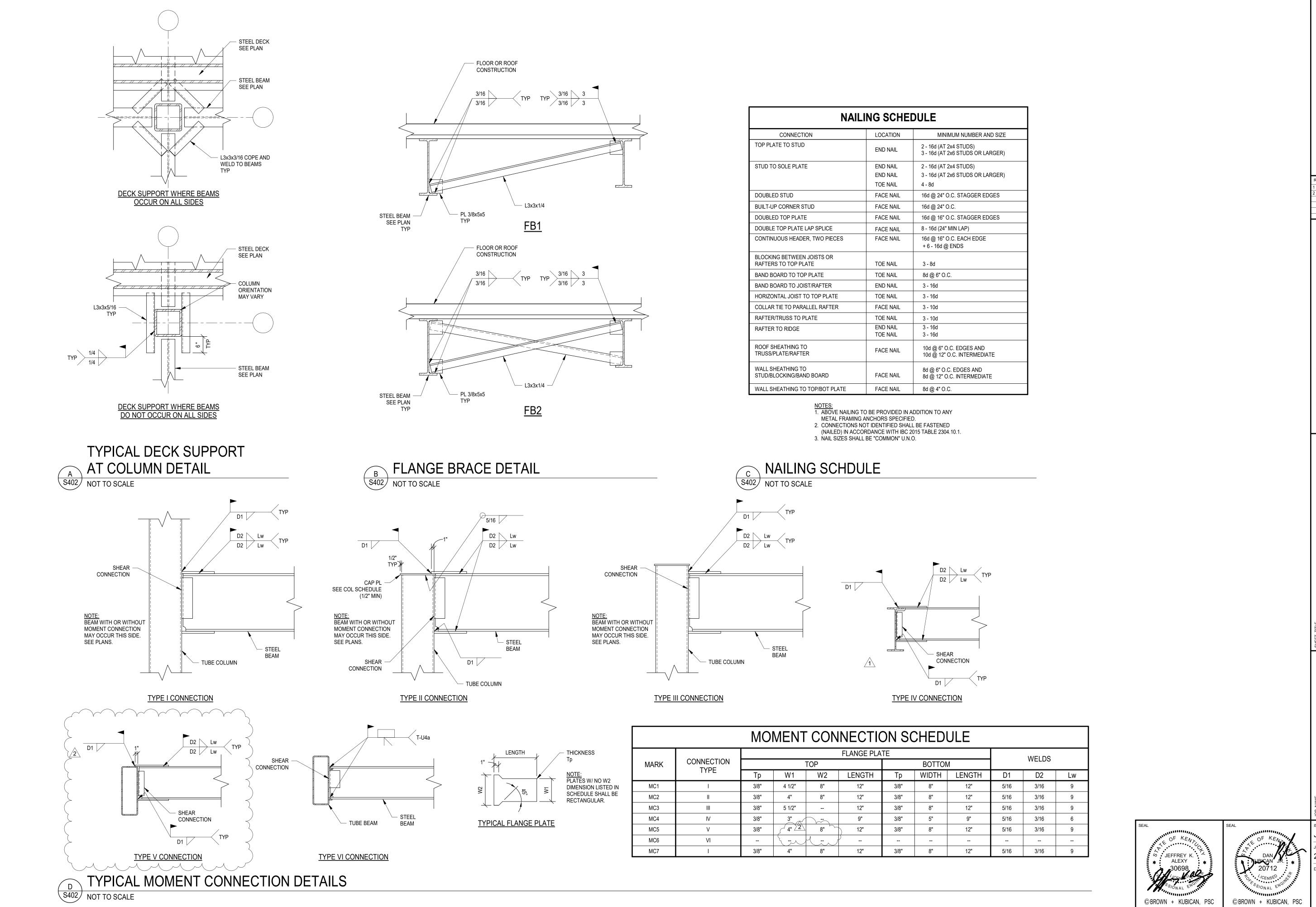




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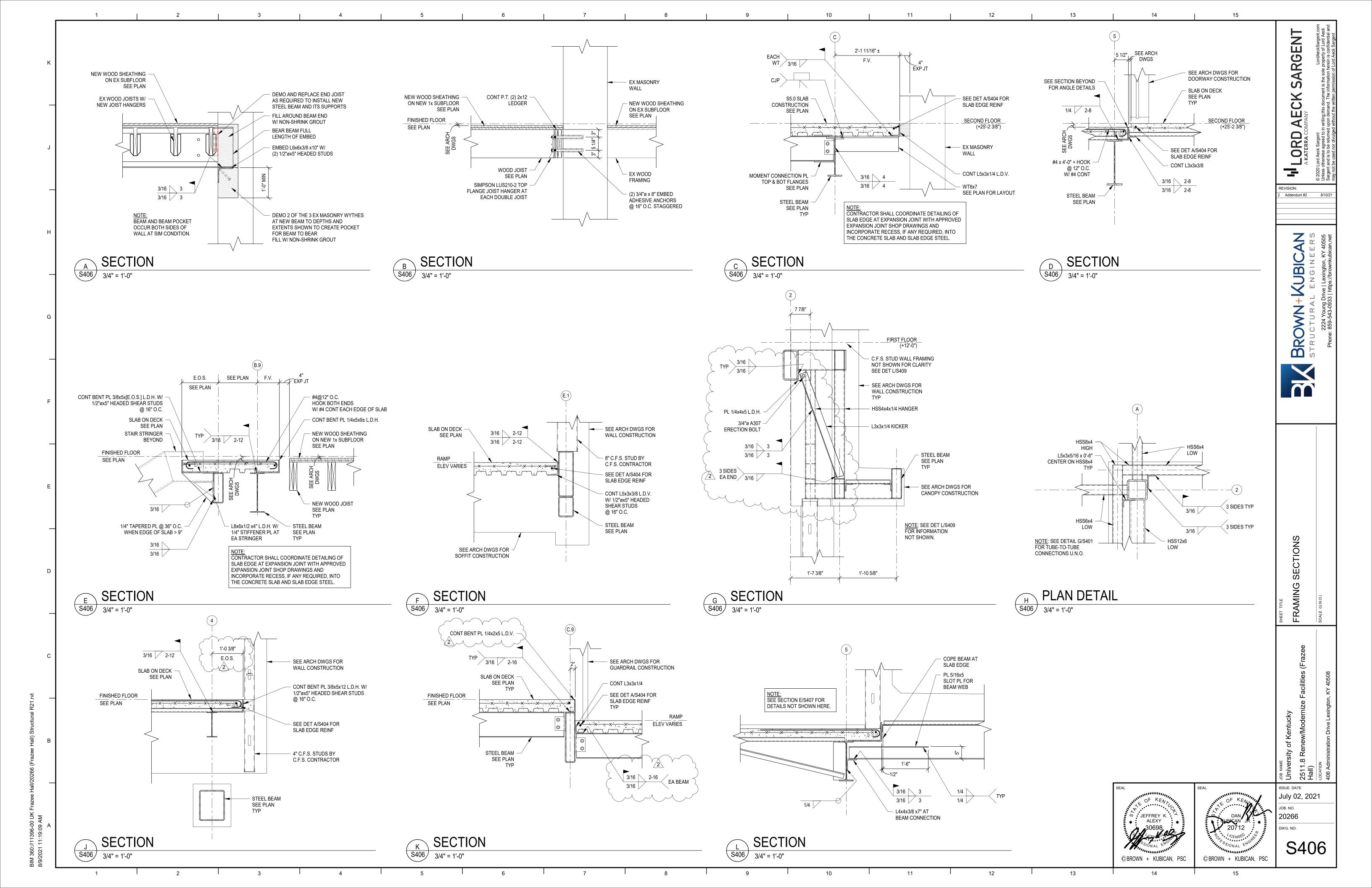
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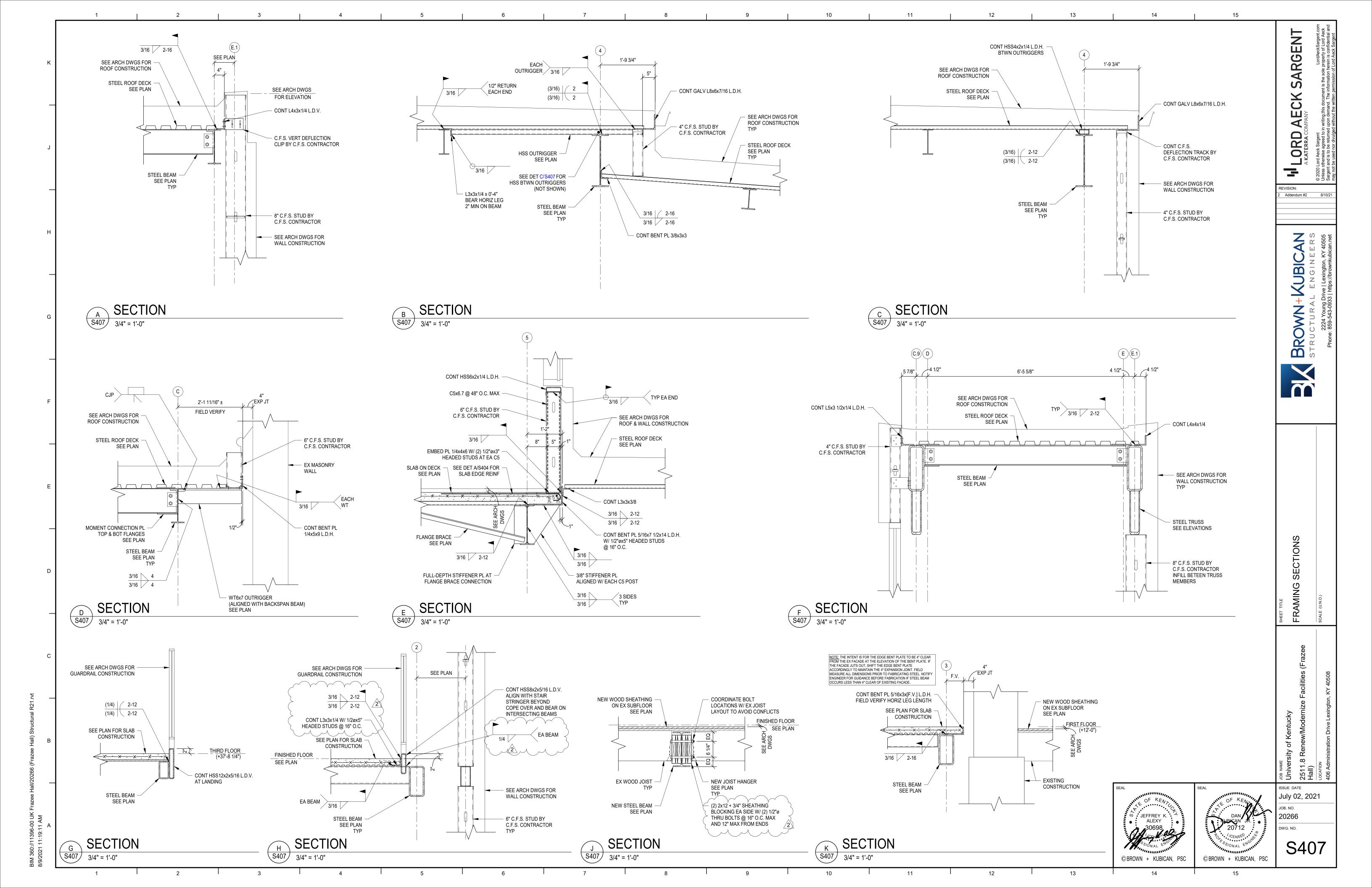
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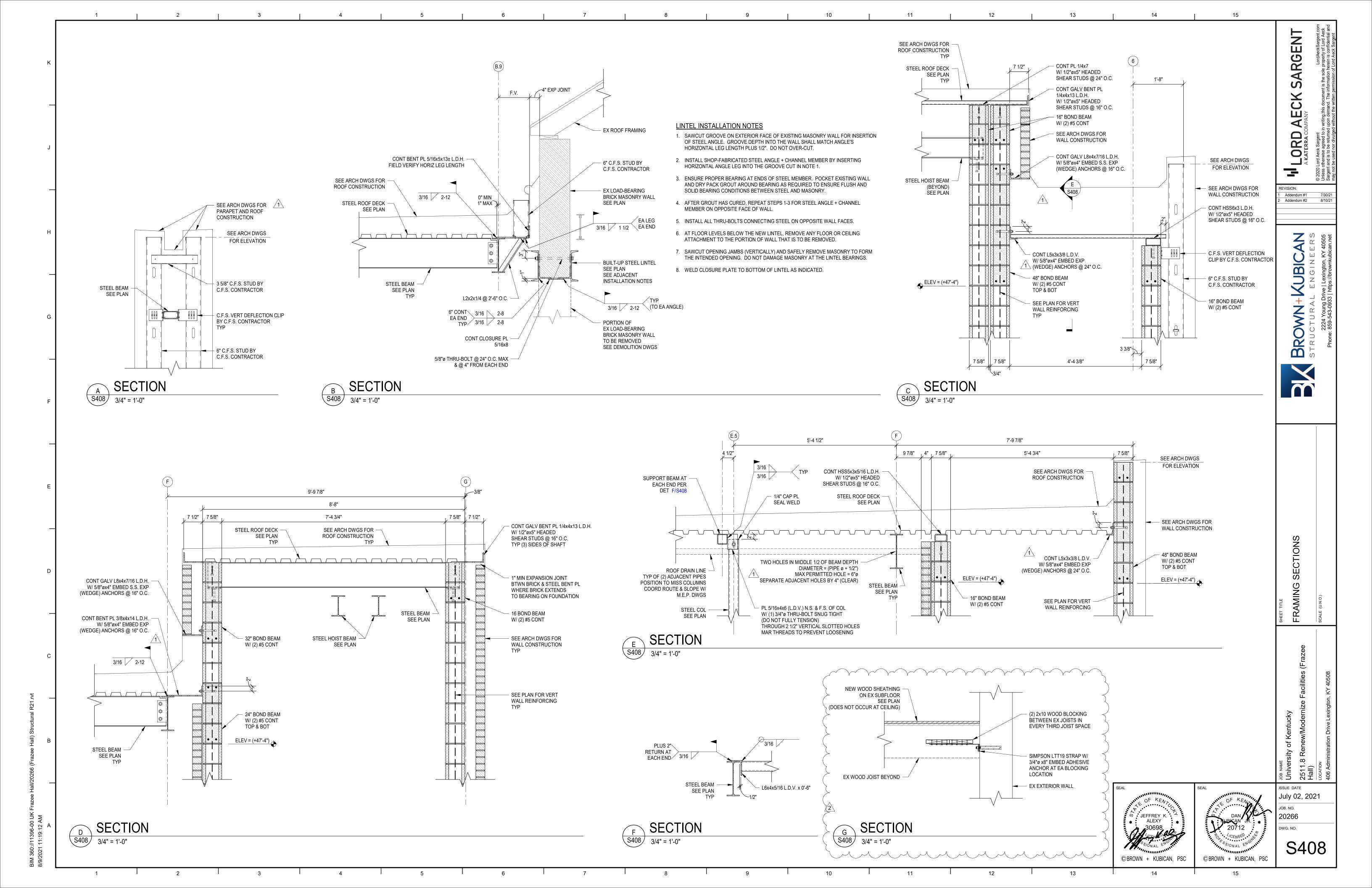
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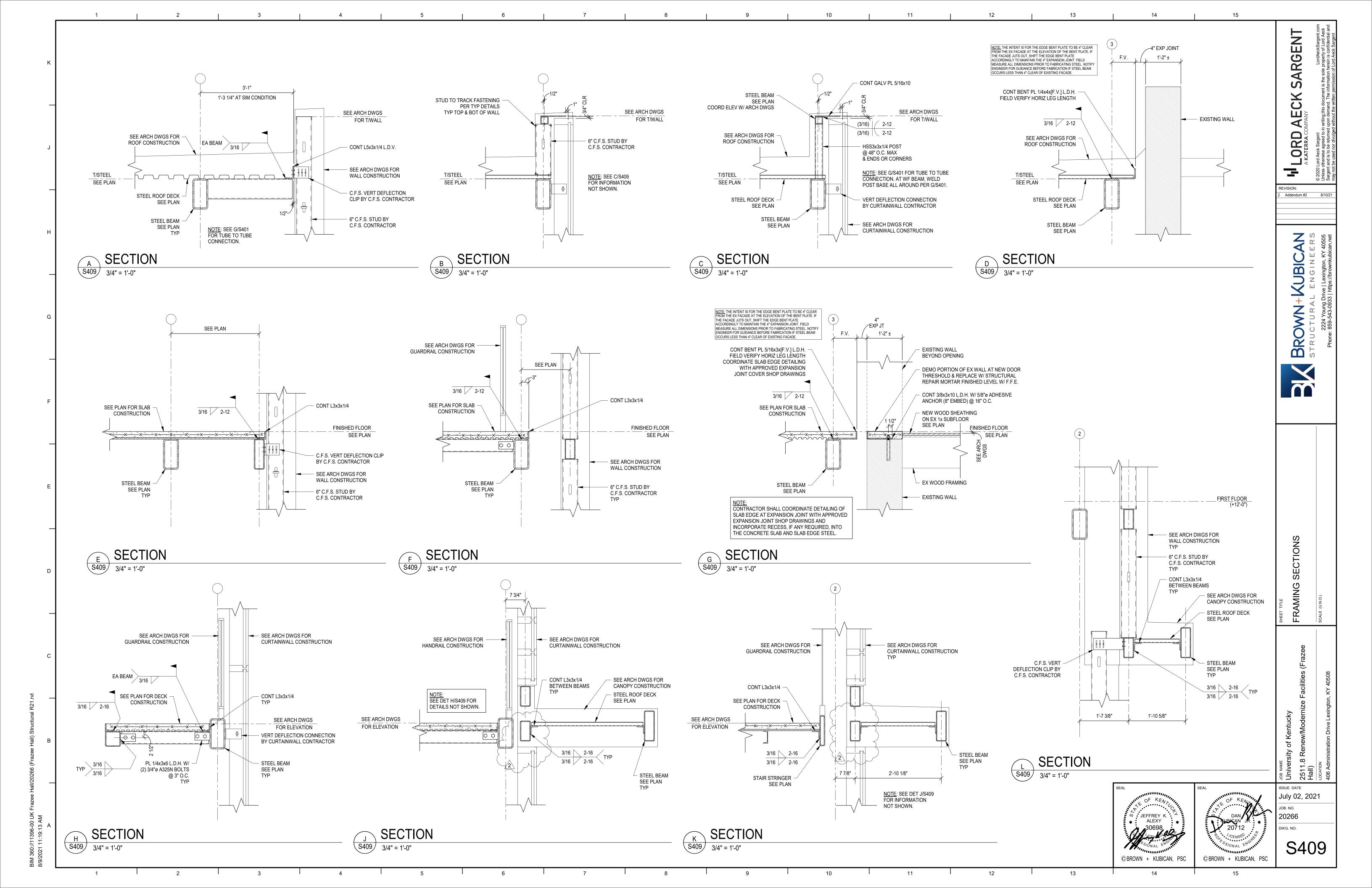
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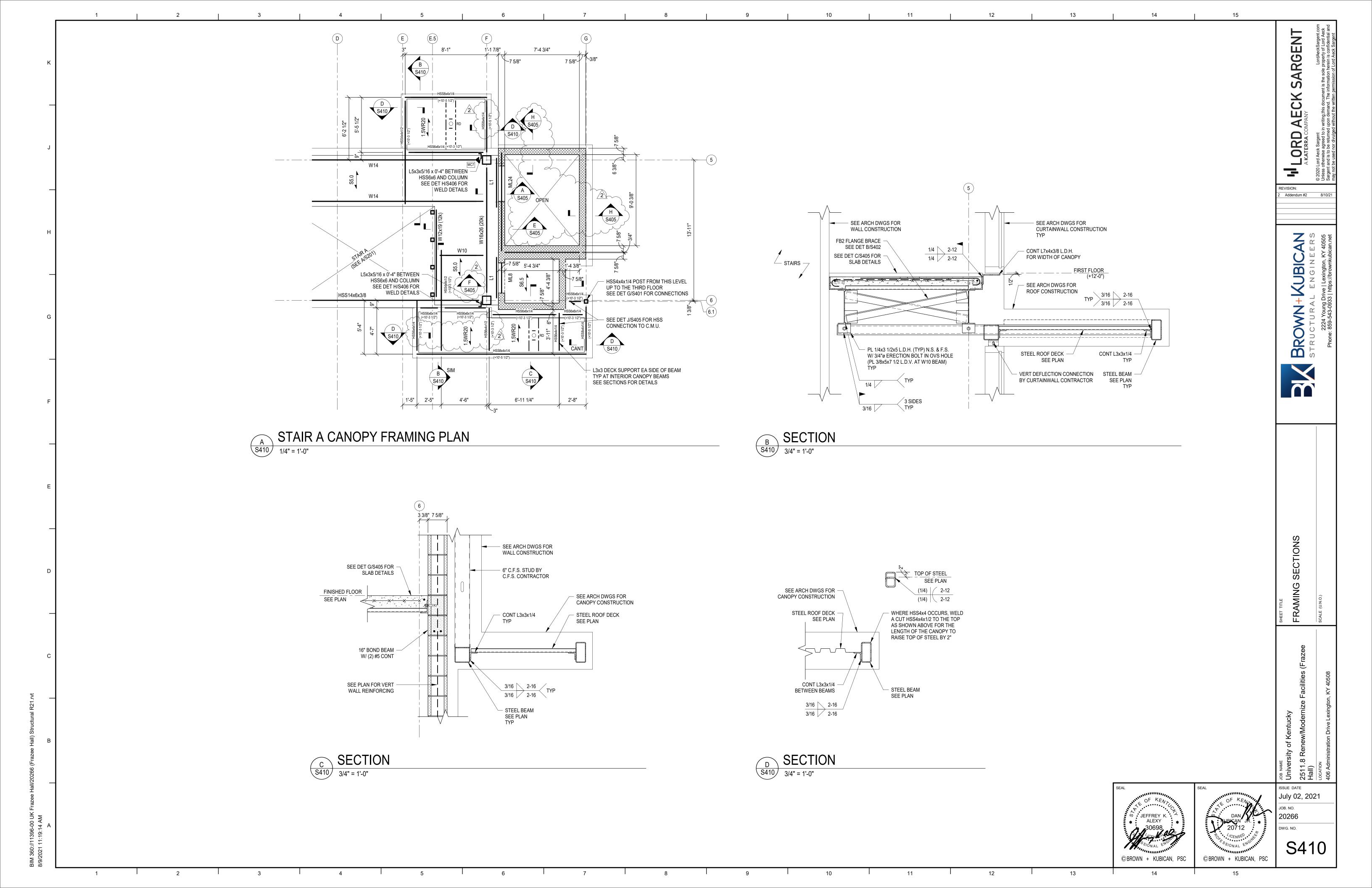
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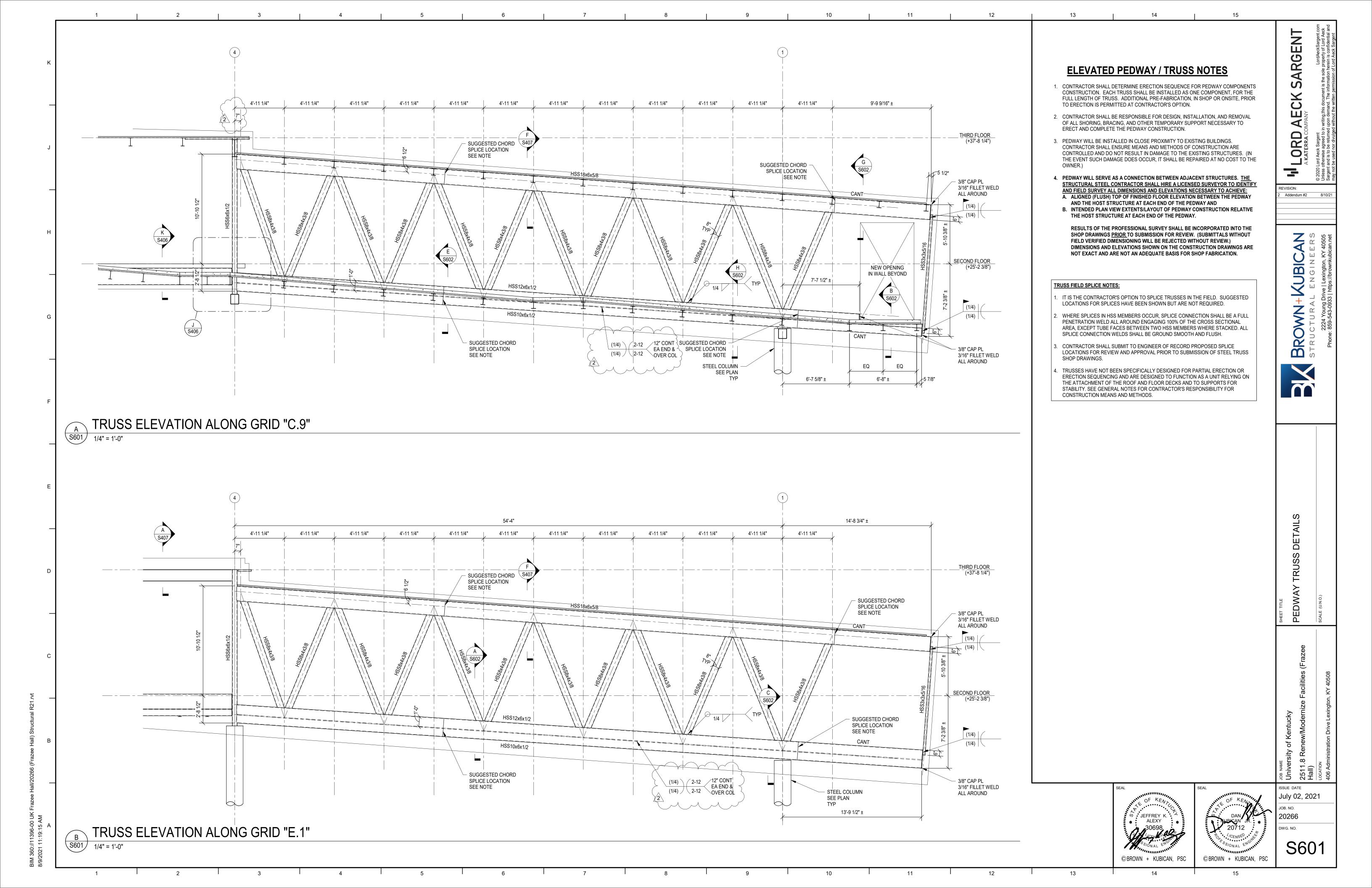


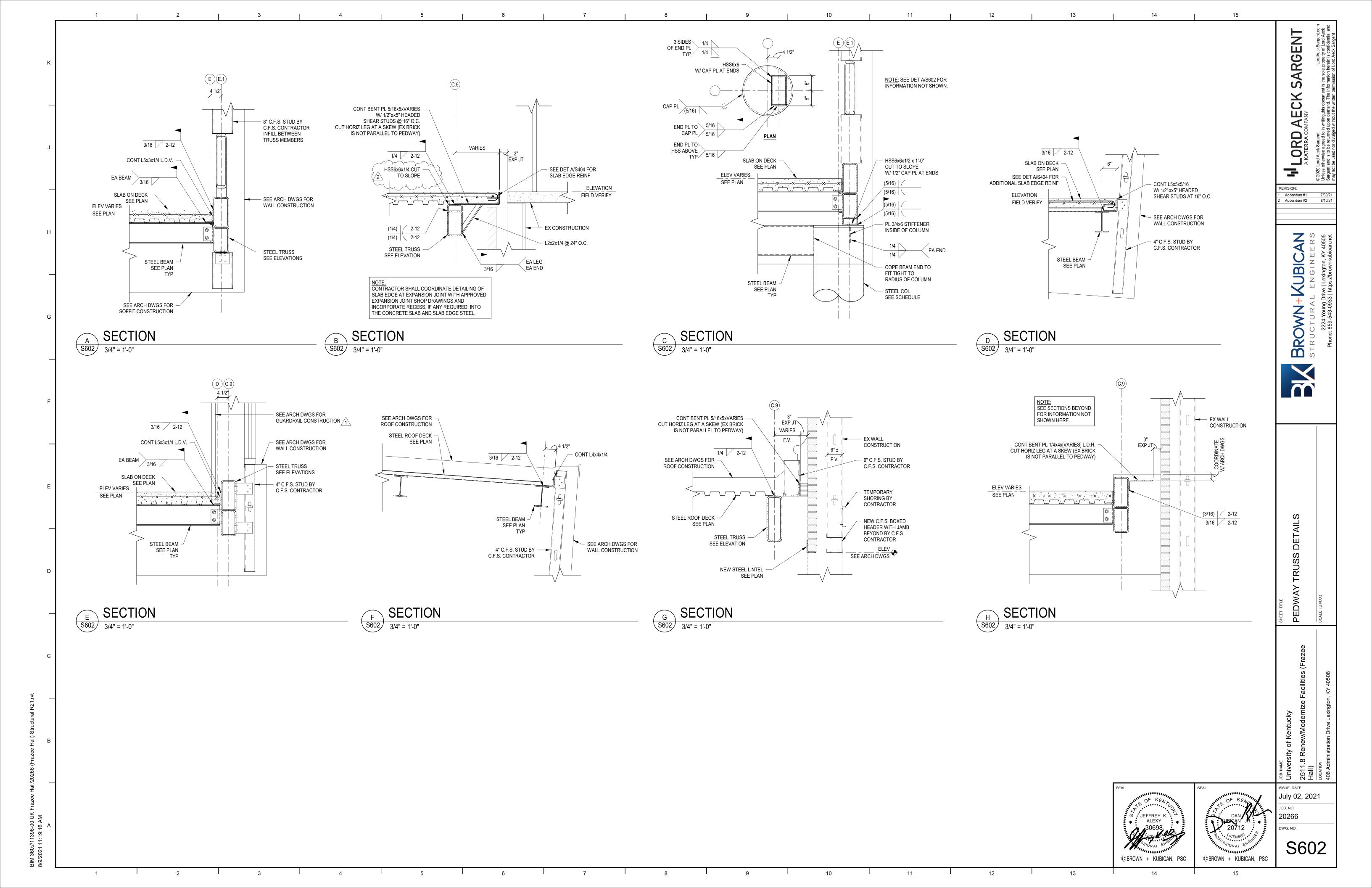


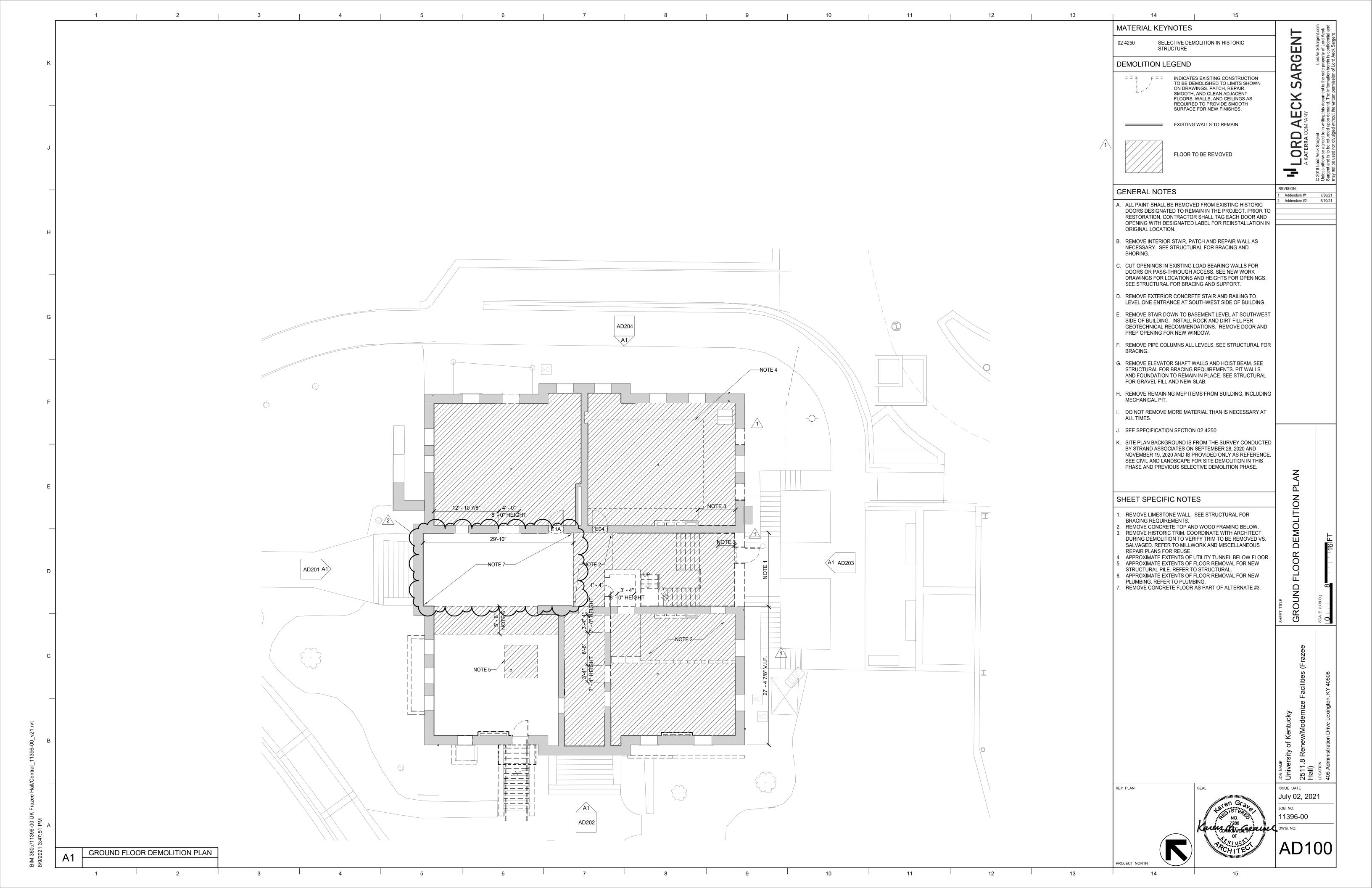


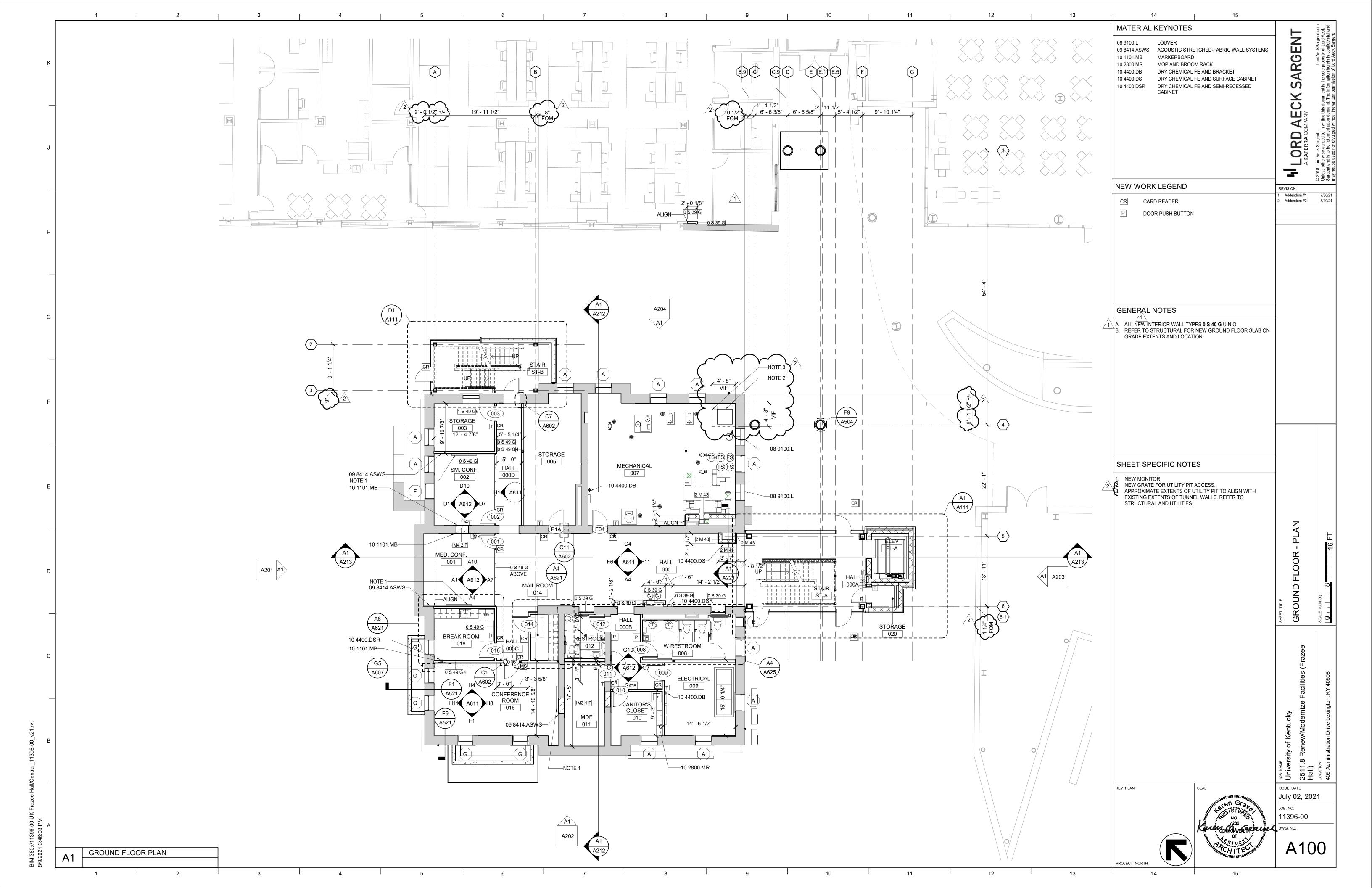


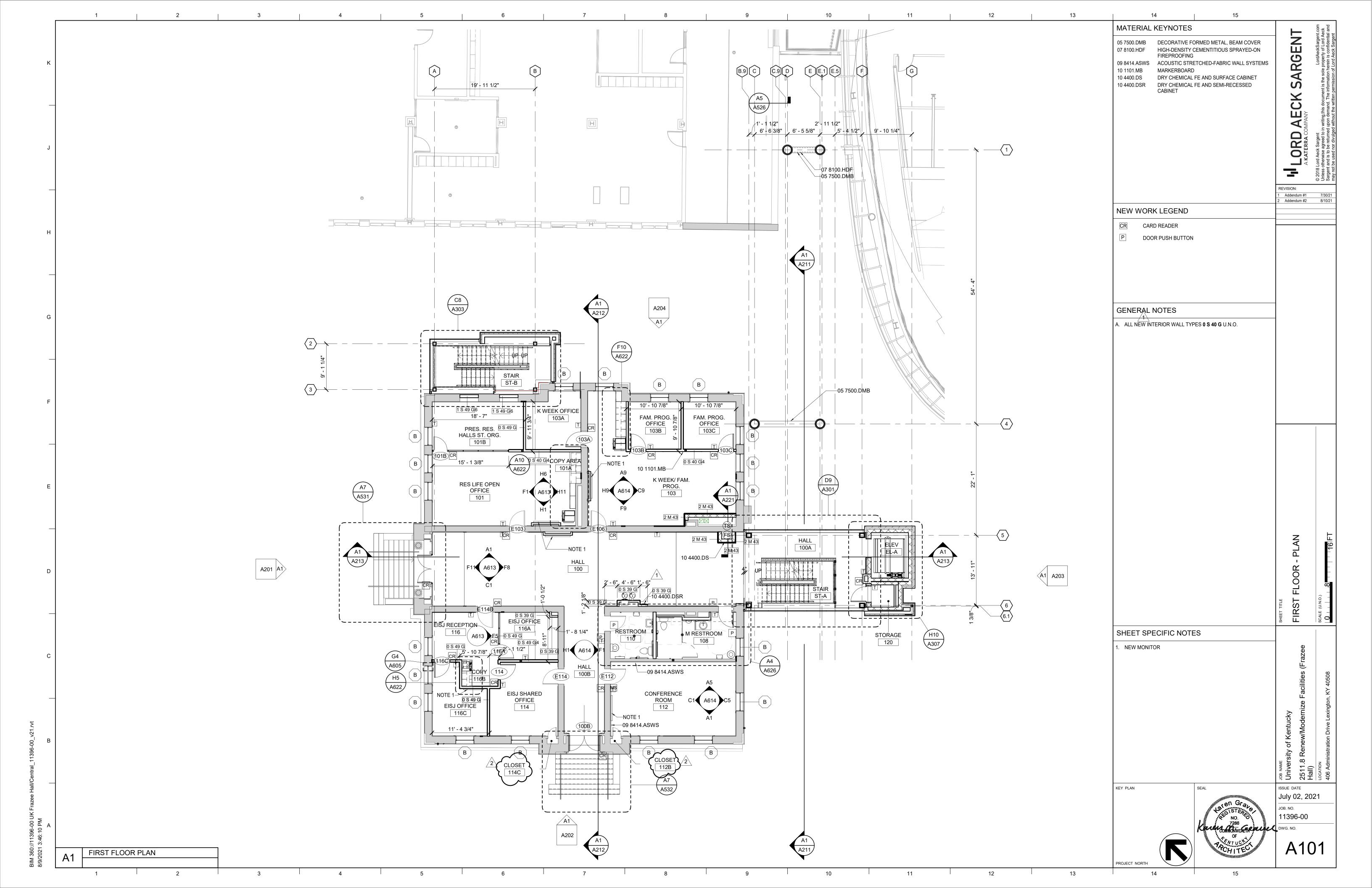


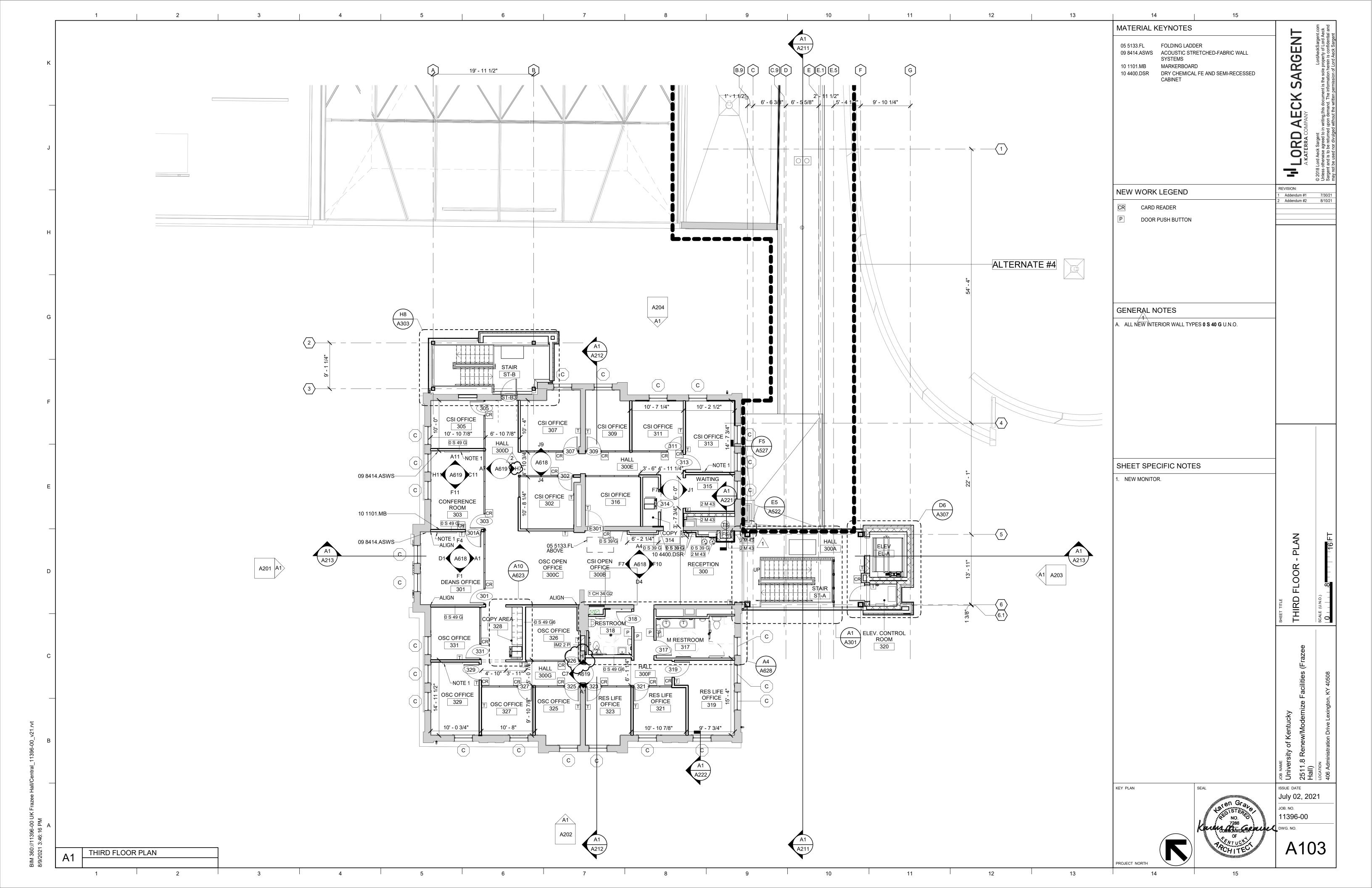


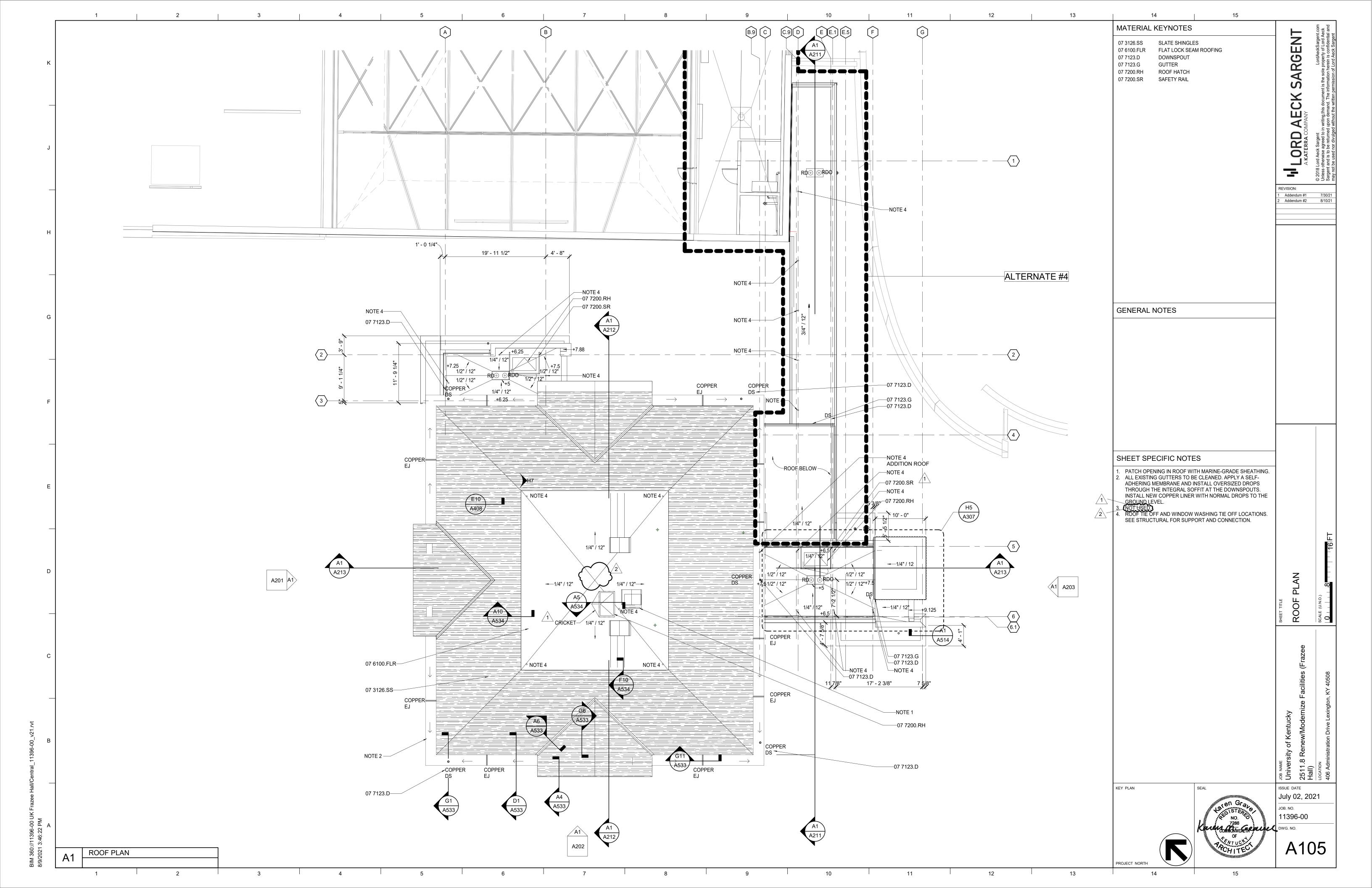


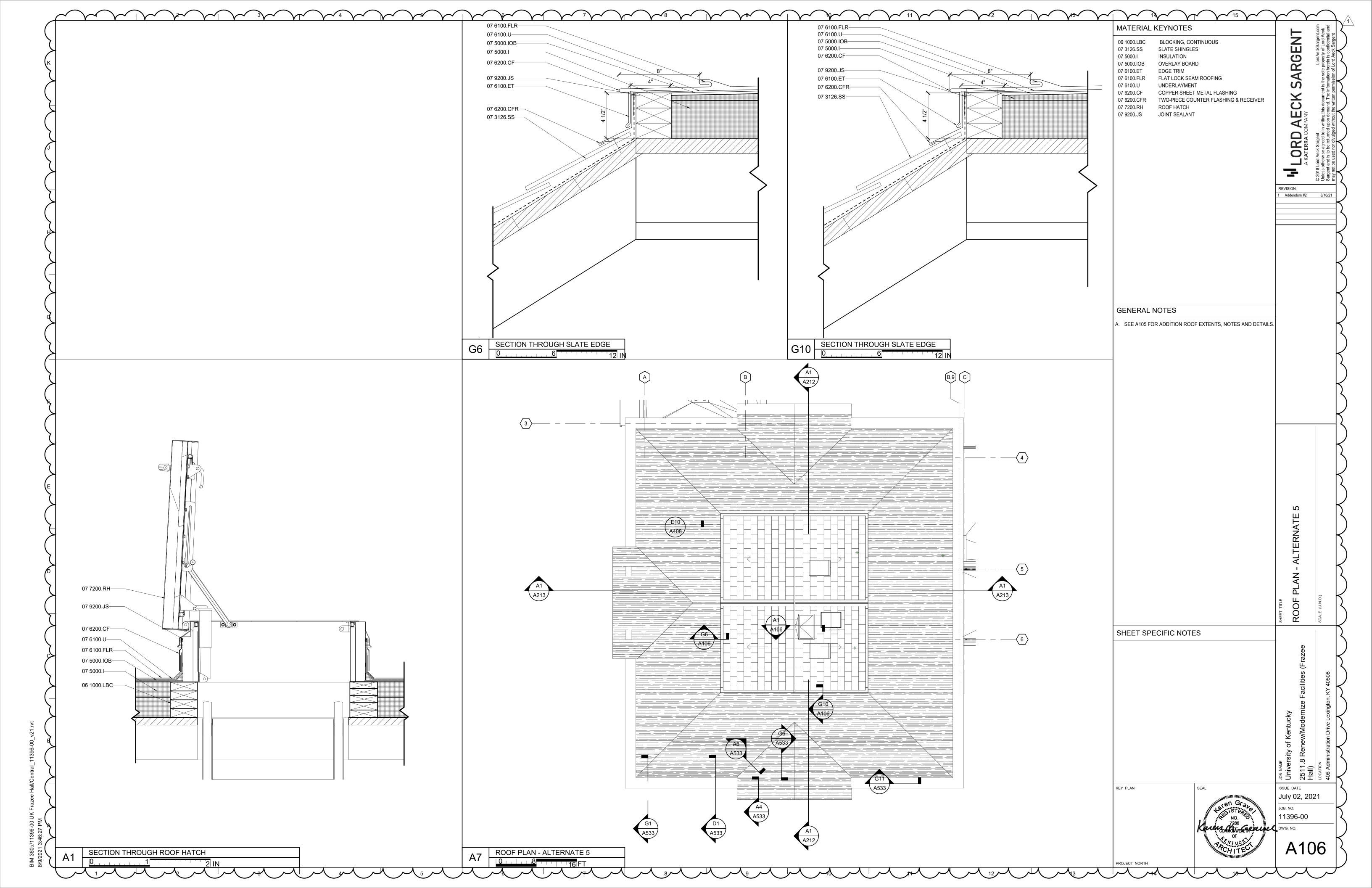


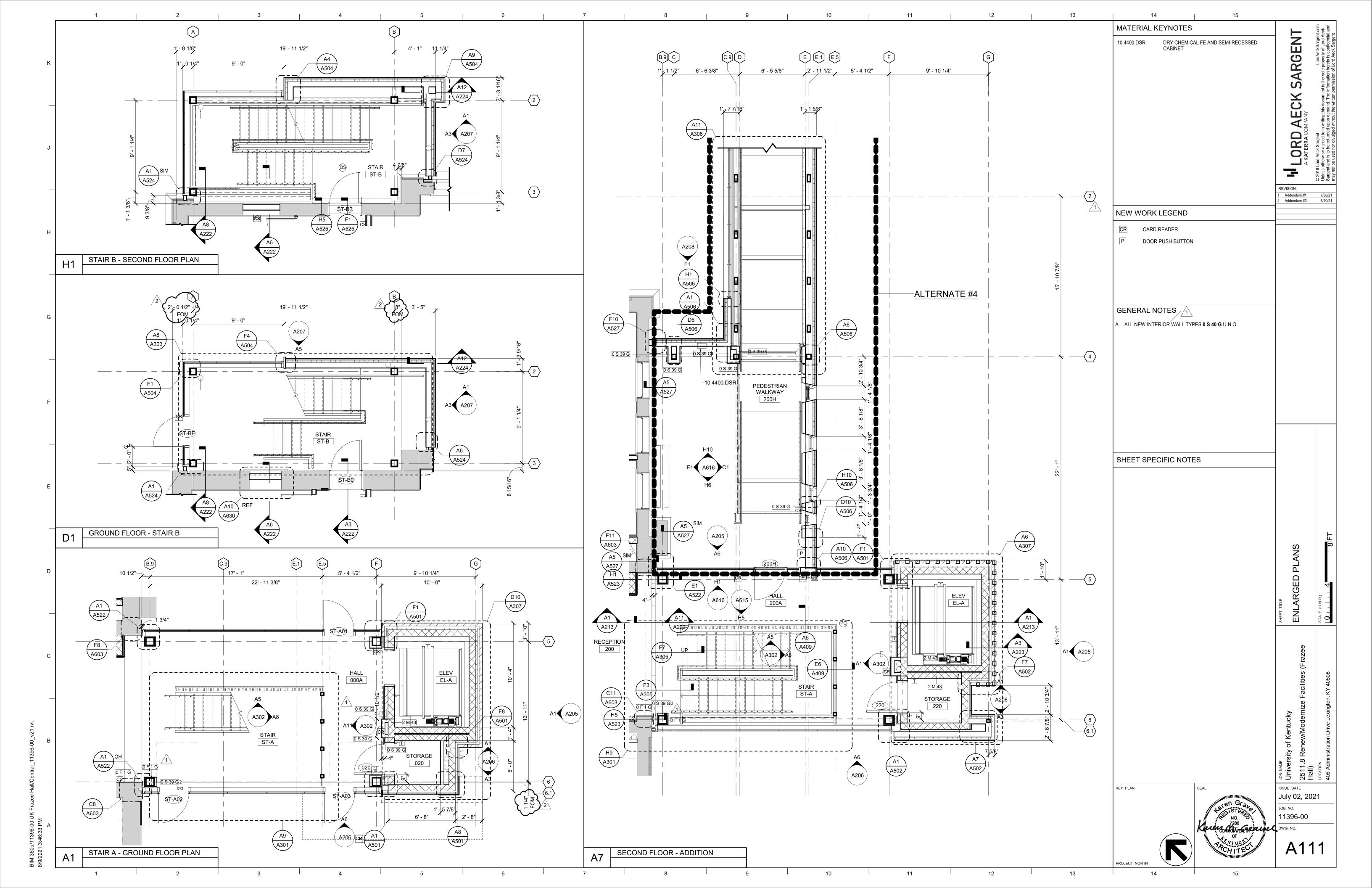


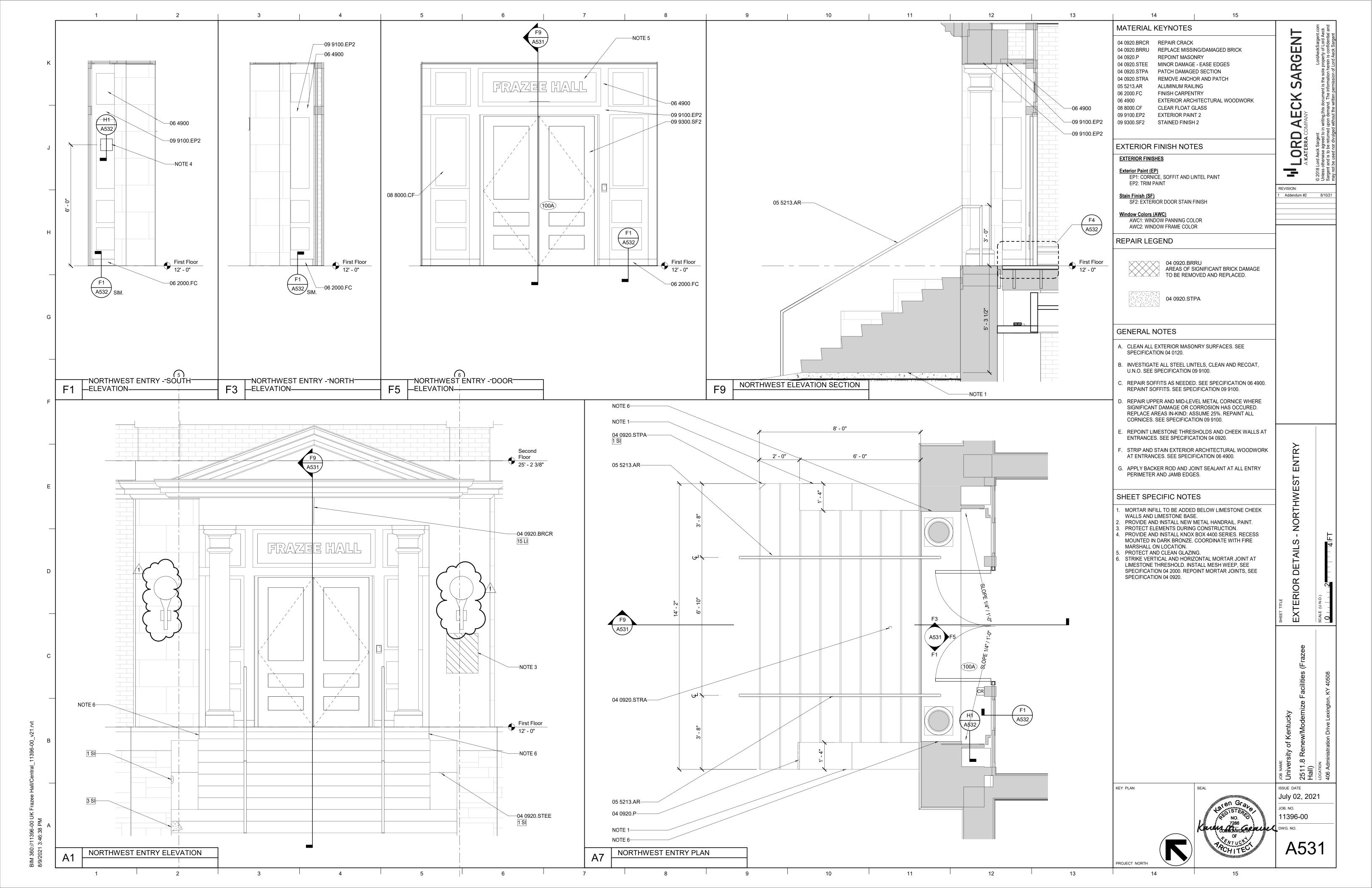


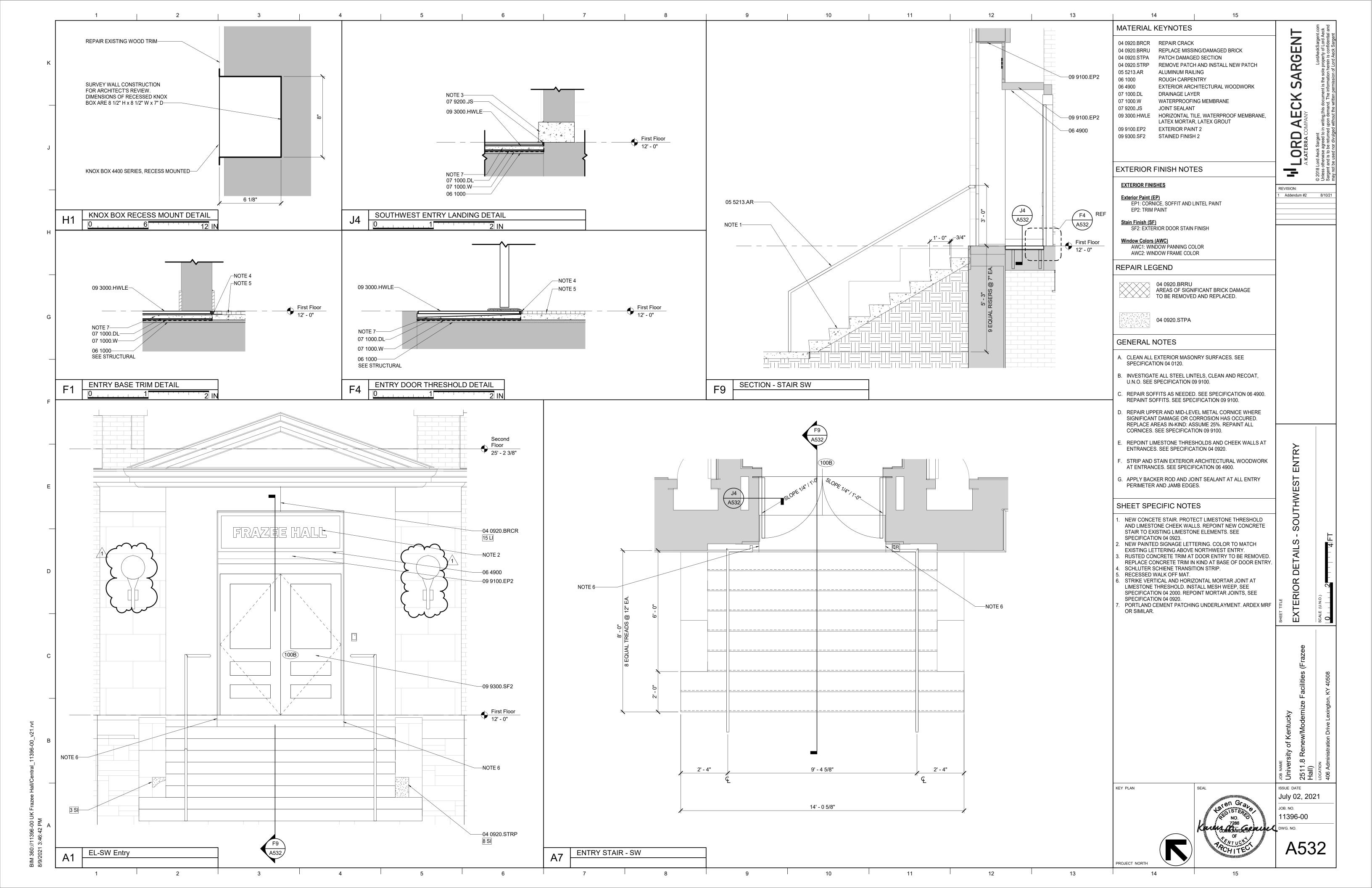


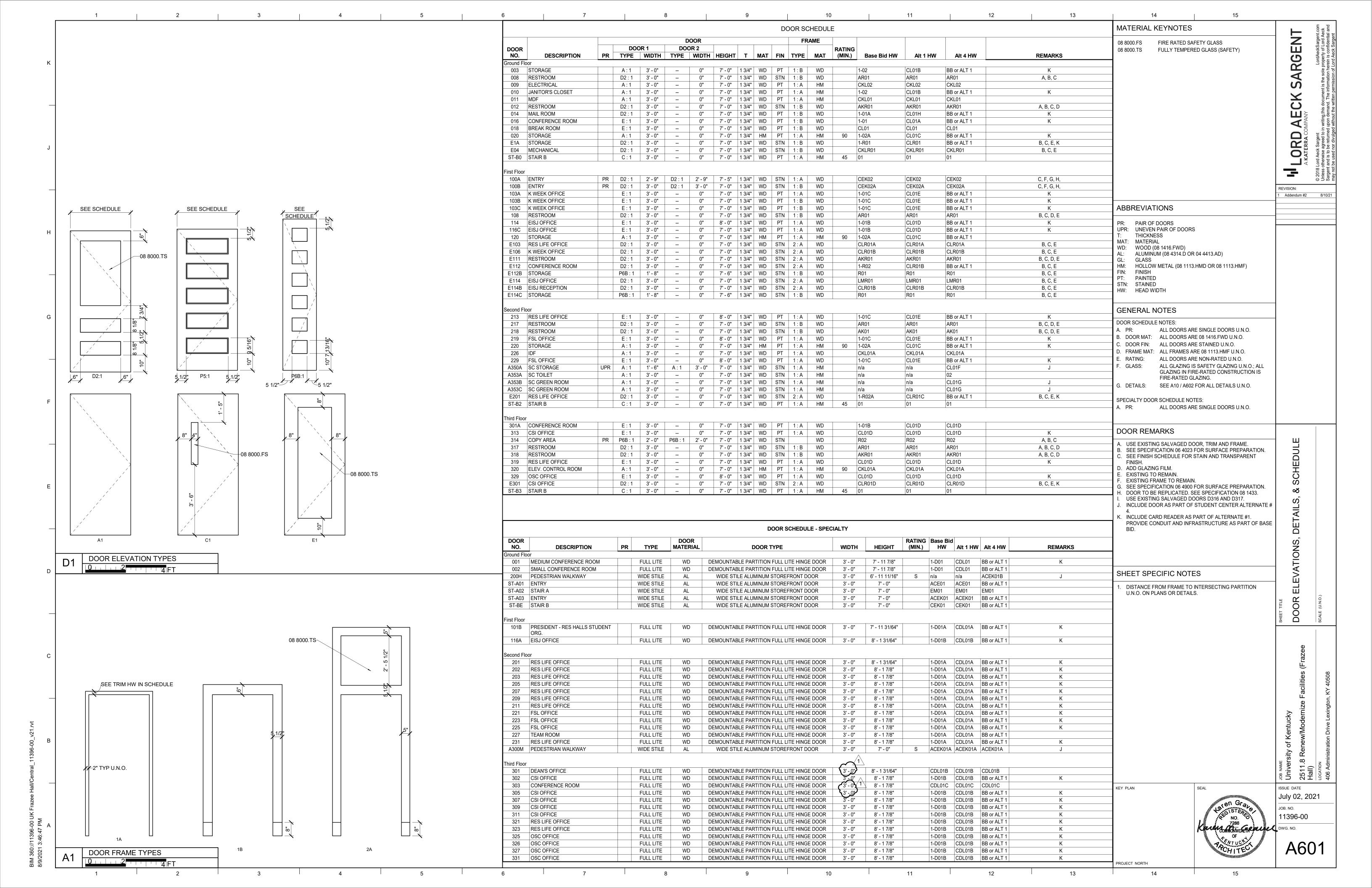


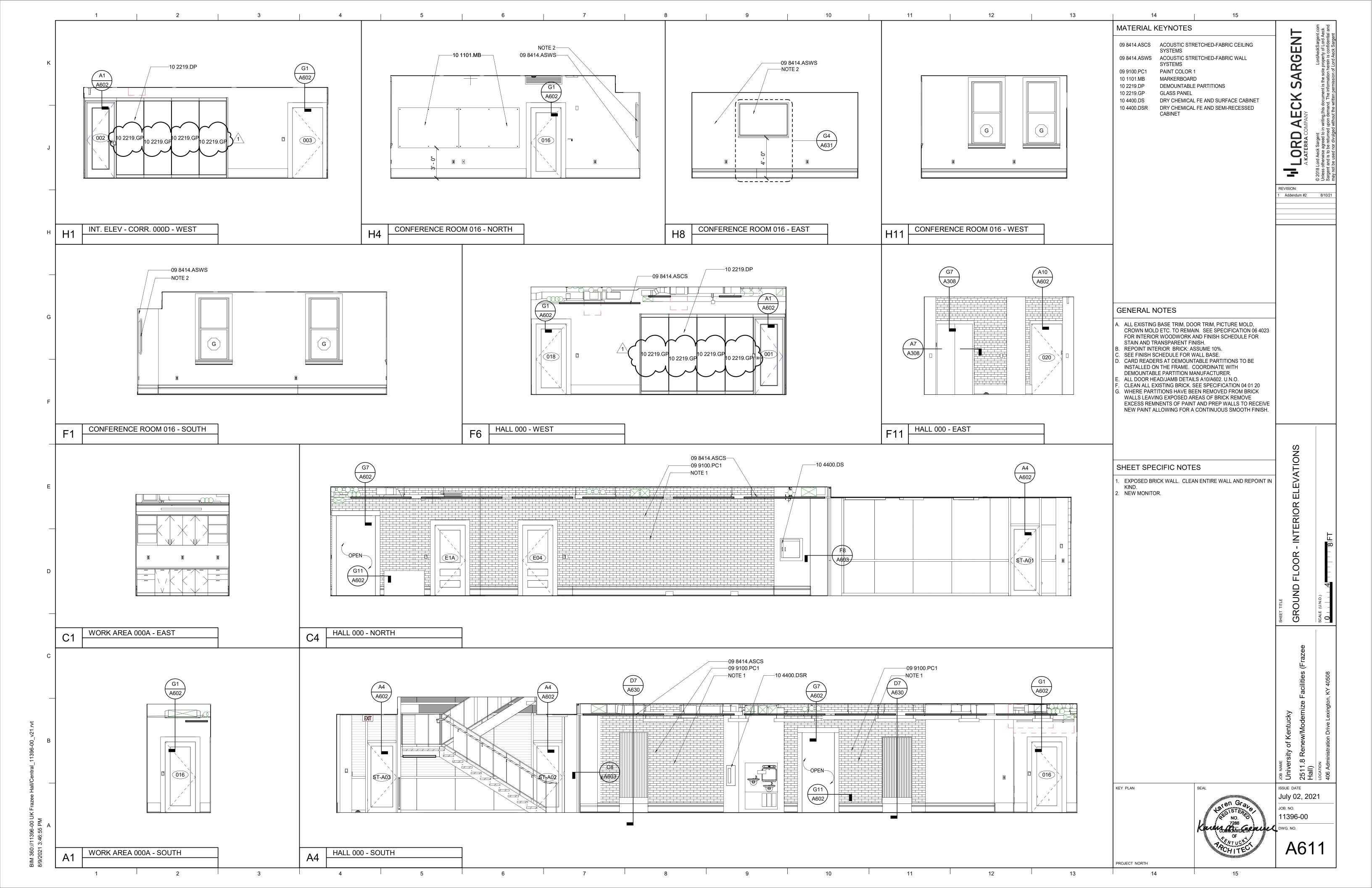


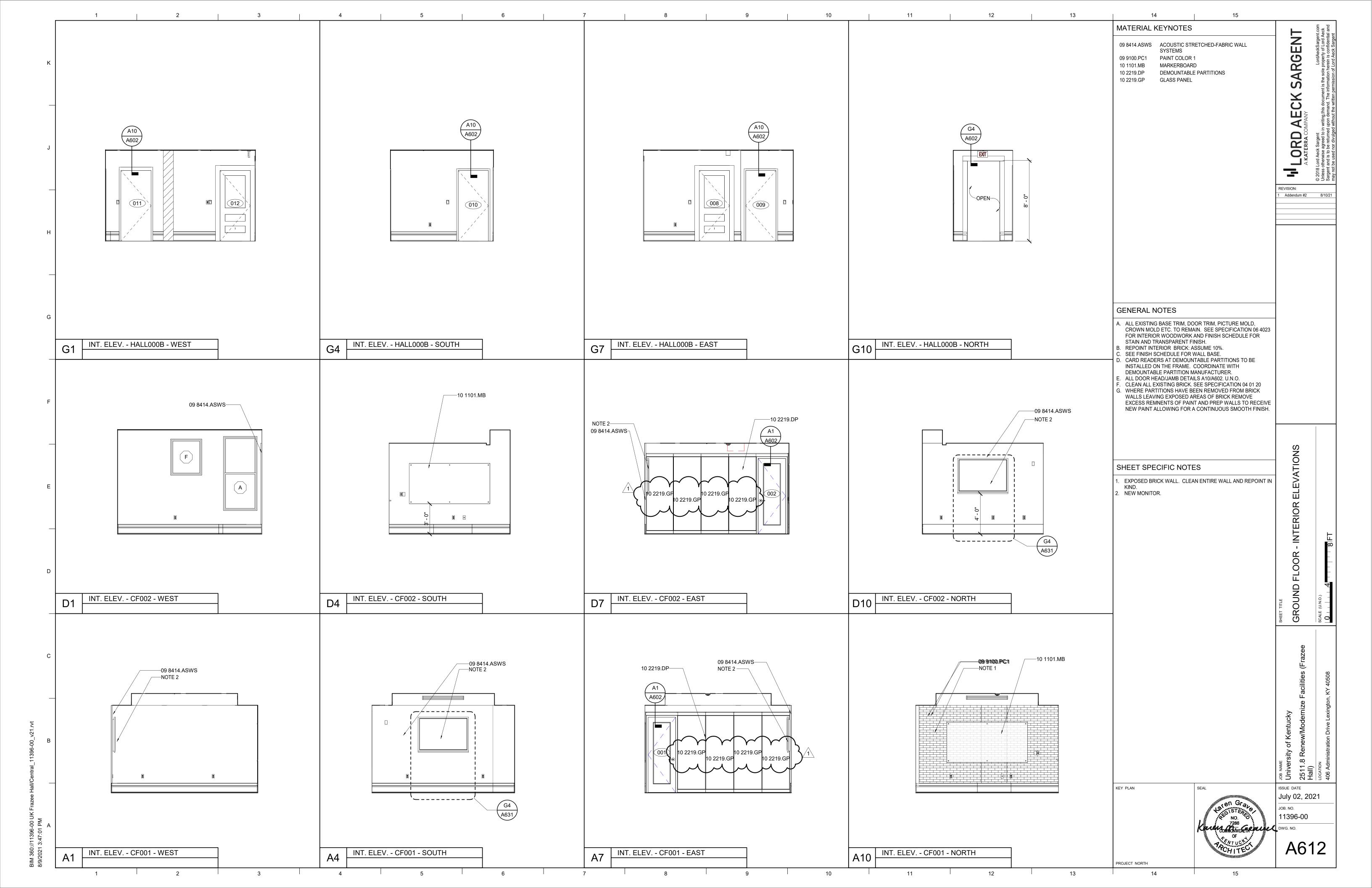


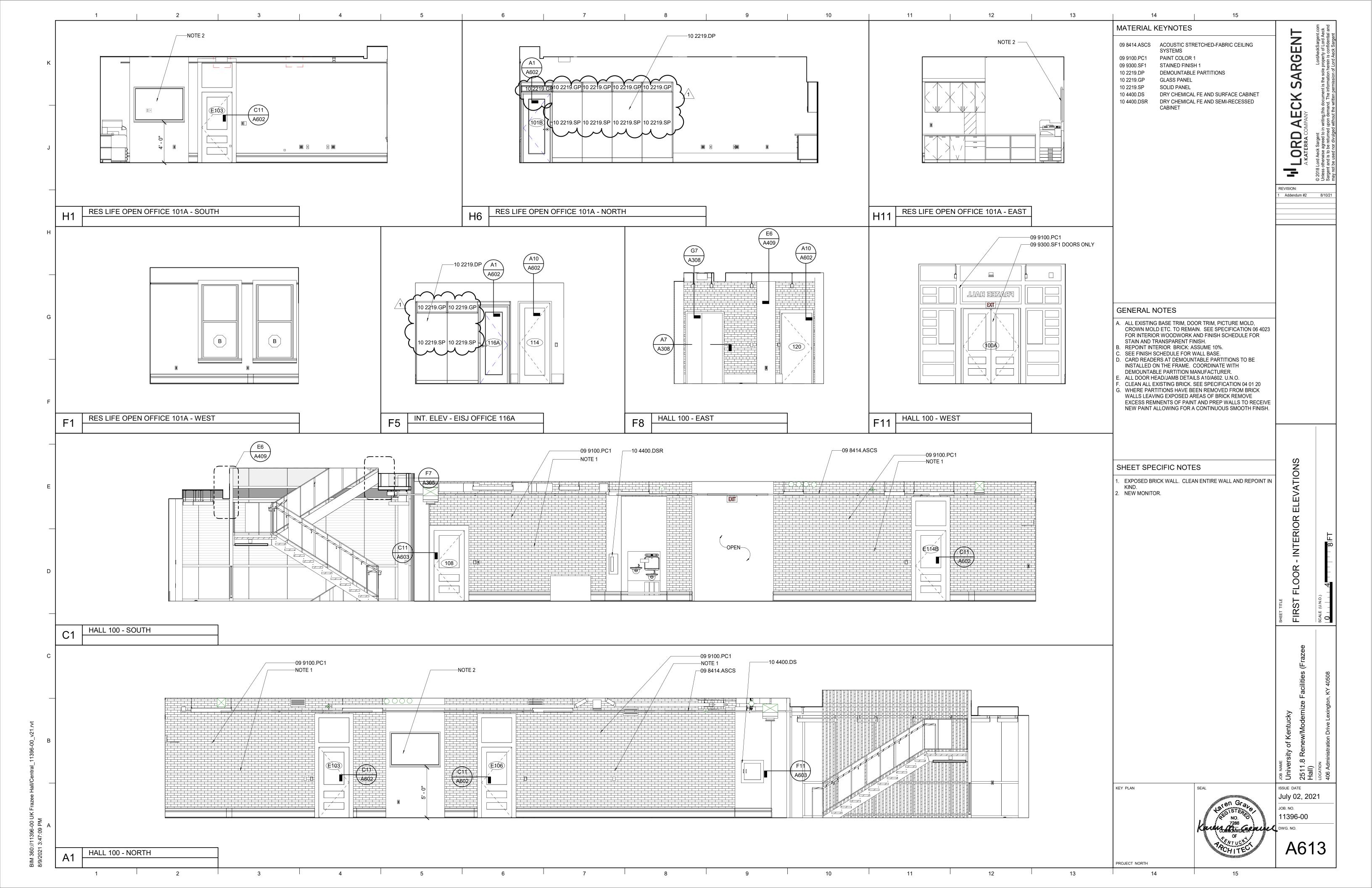


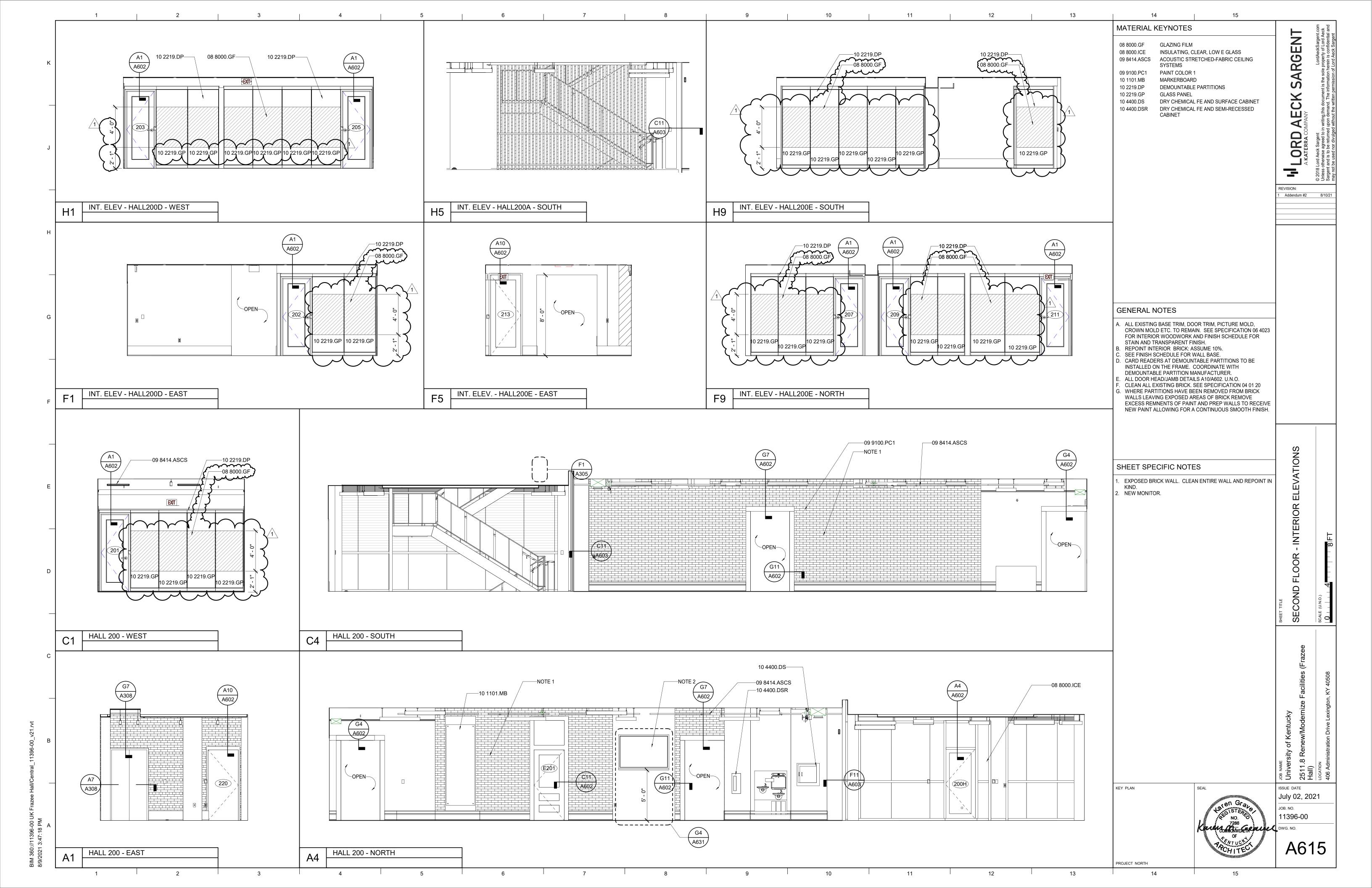


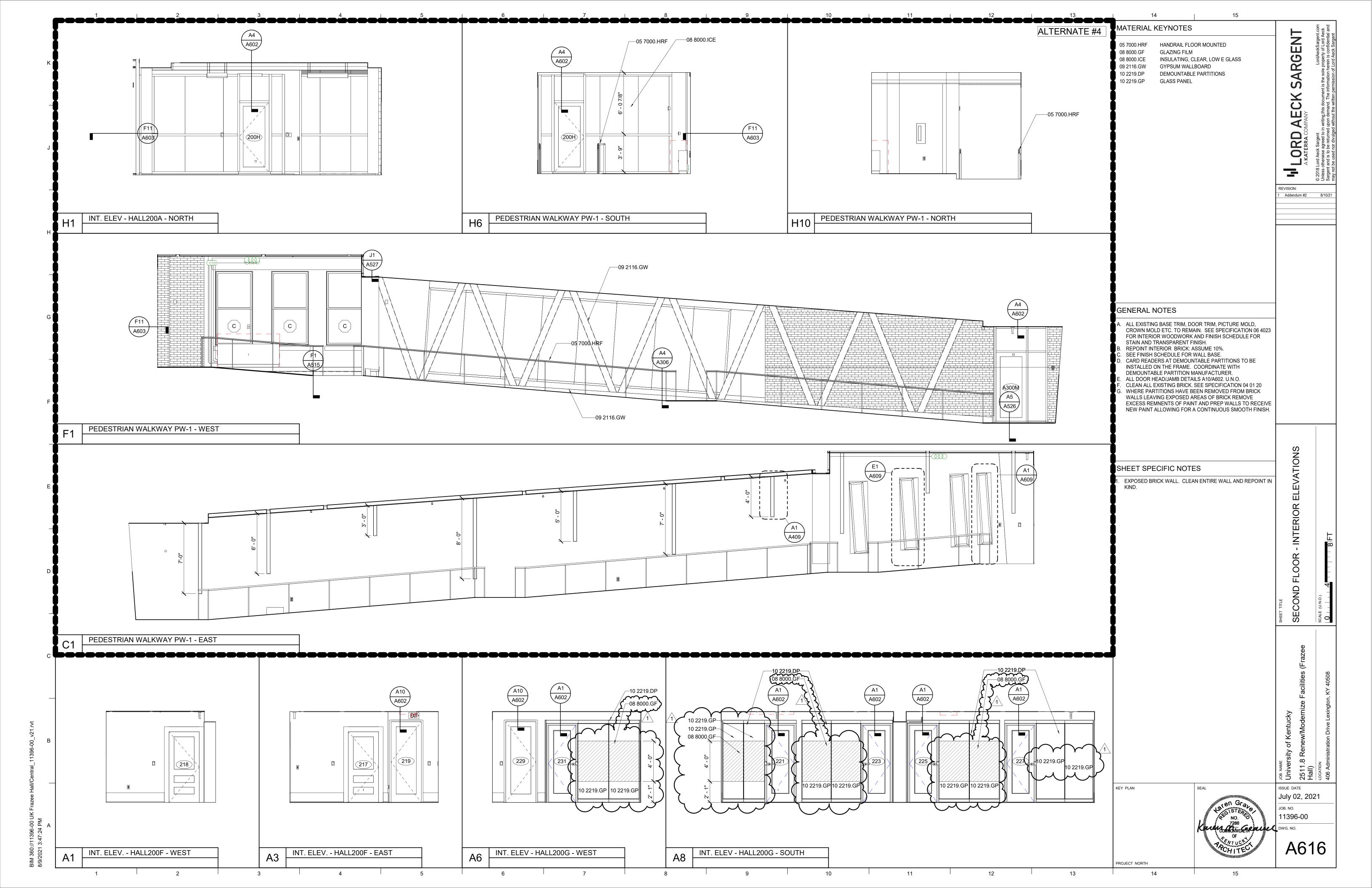


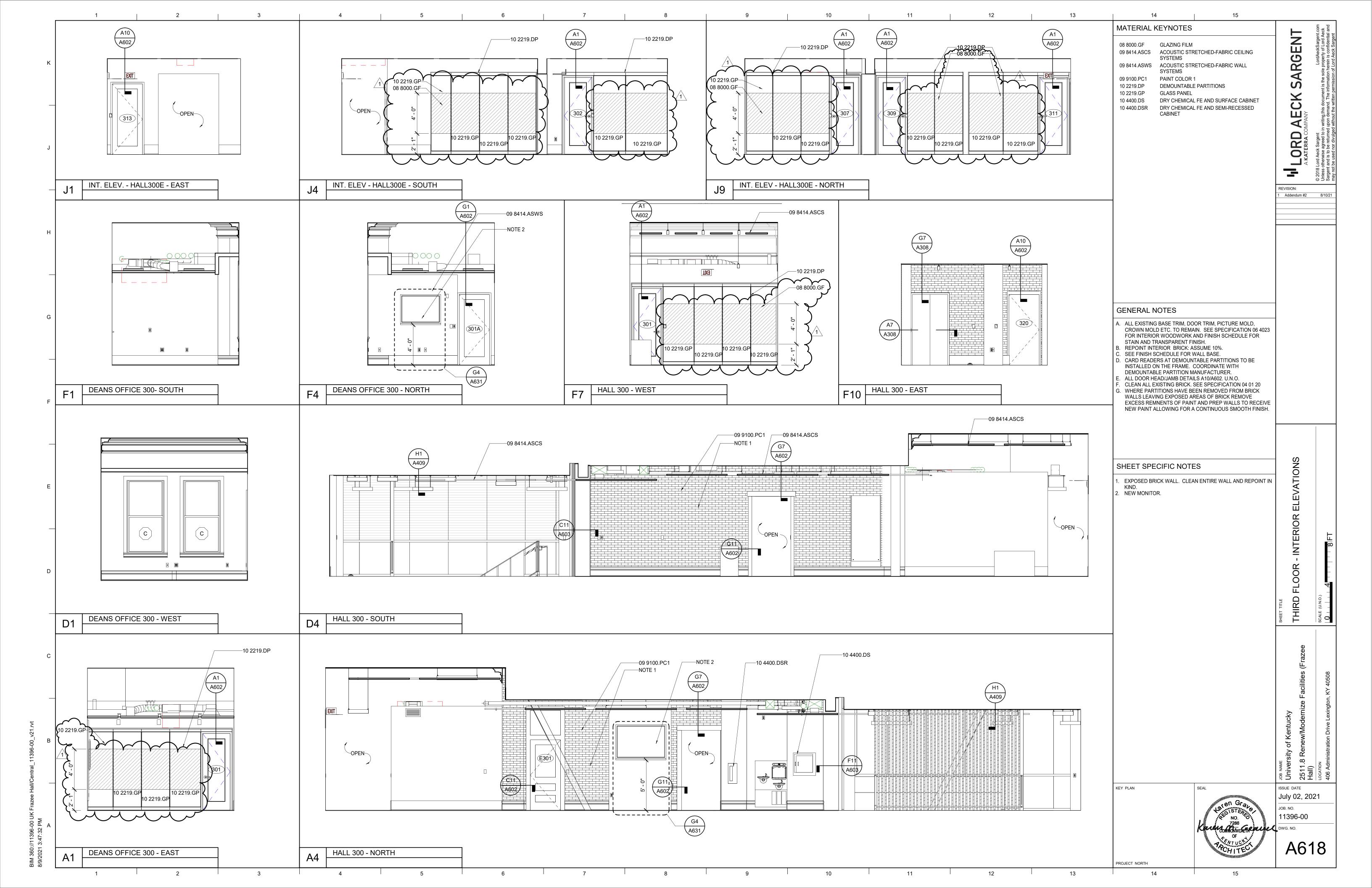


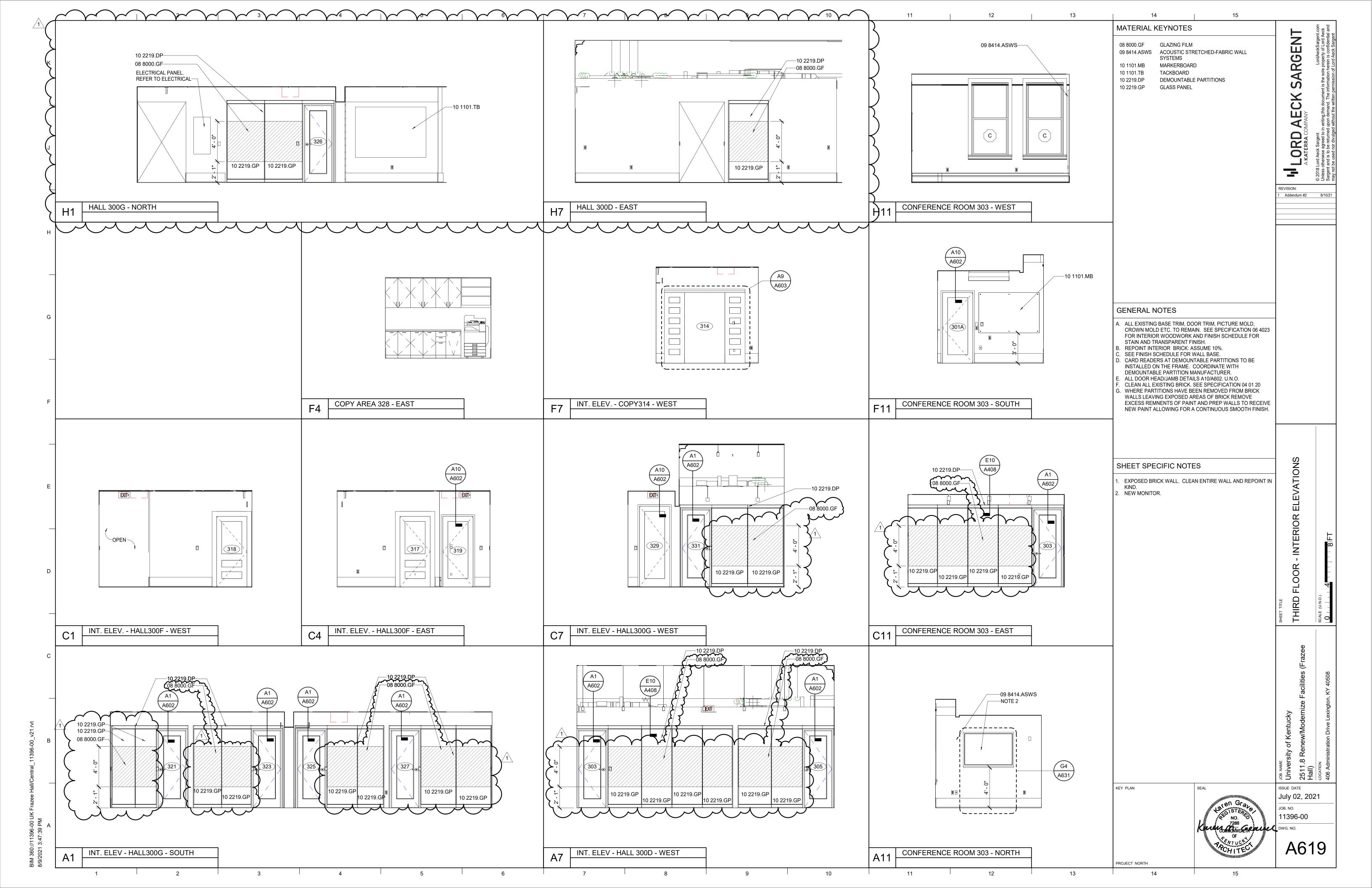




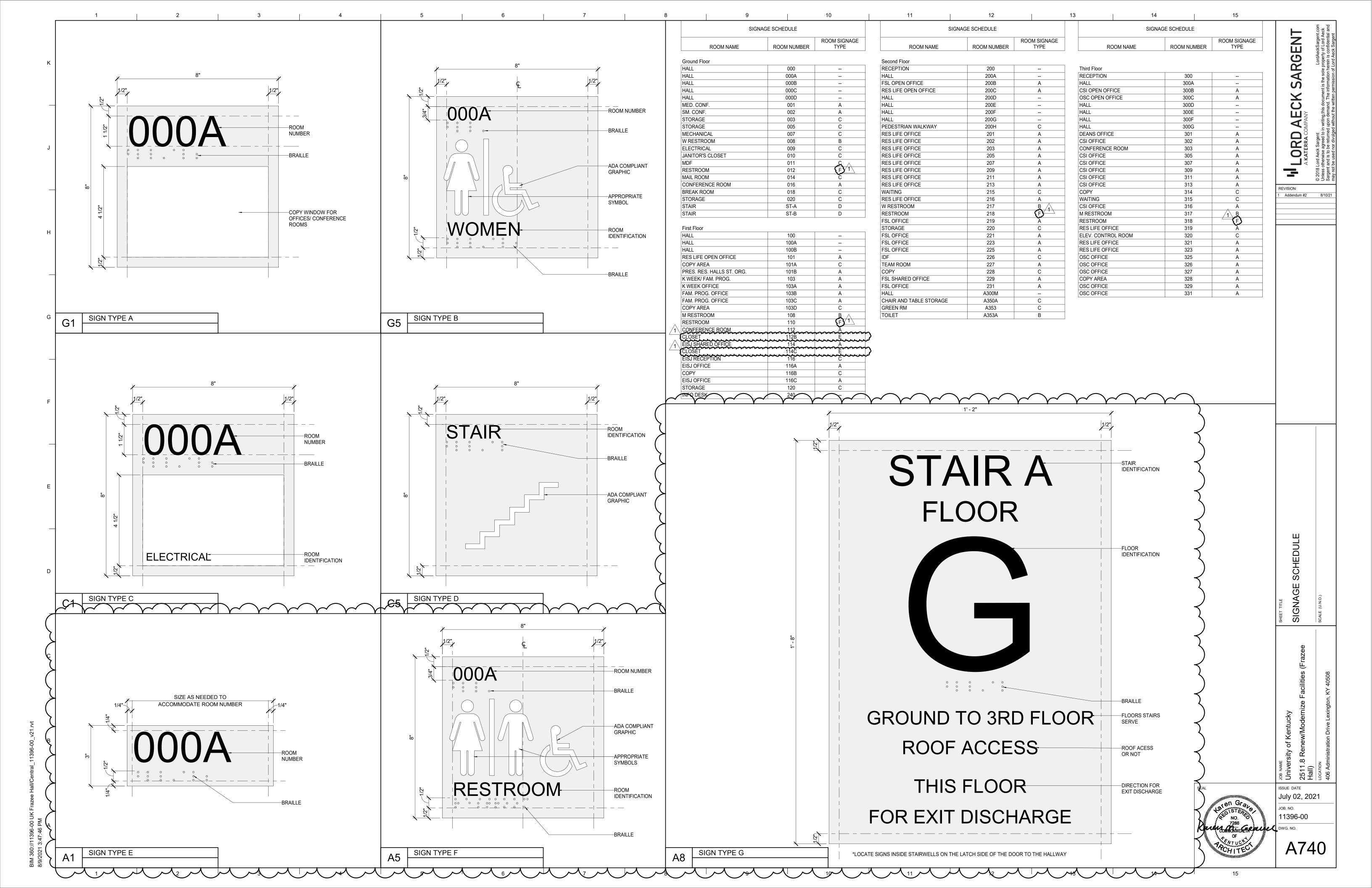




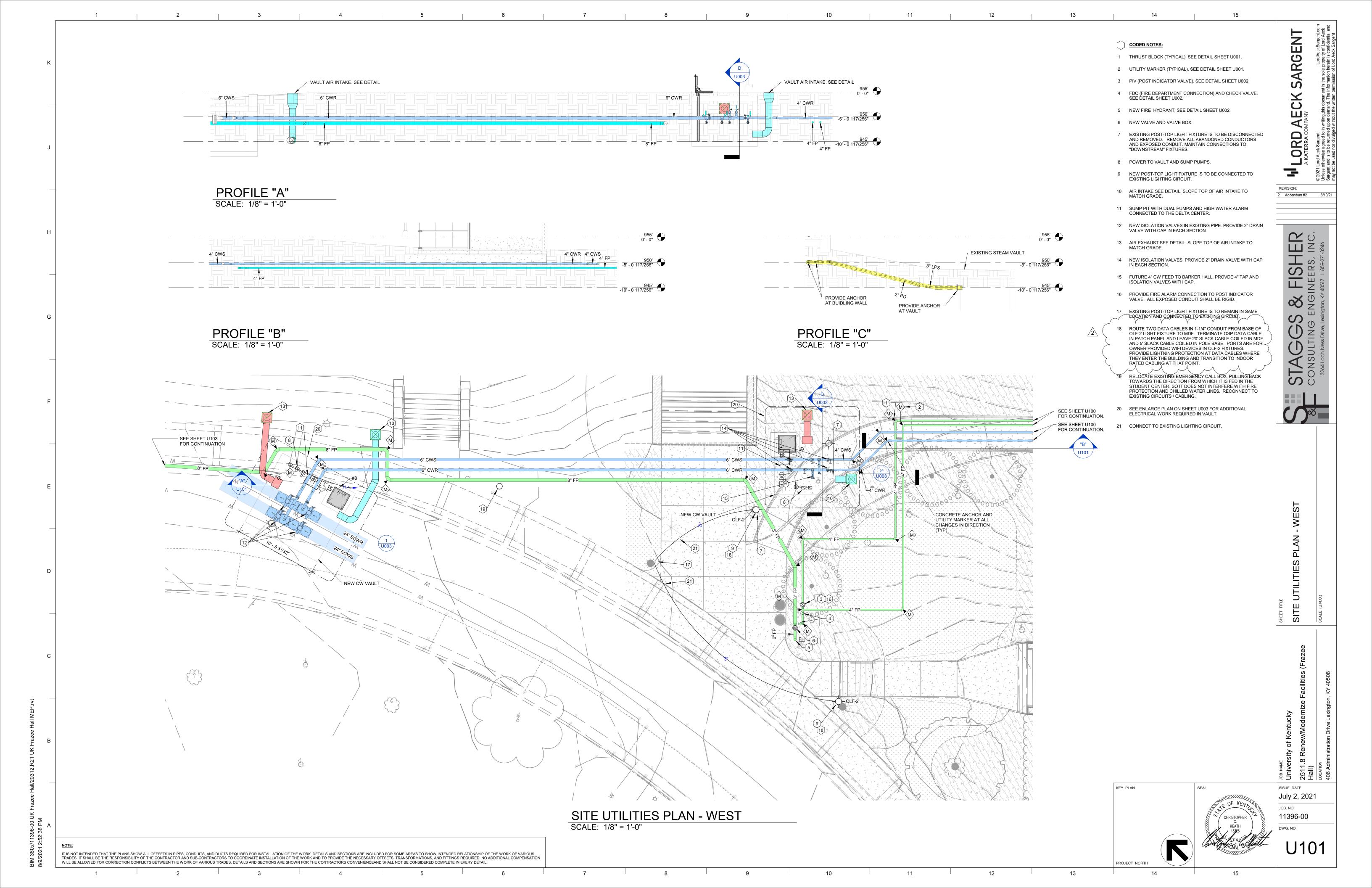




March Marc					FINISH LEGEND - BA	ASIS OF DESIGN					GENERAL NOTES	MATERIAL KEYNOTES	
Part	FINISH TYPE	SPEC SECTION	TAG		MANUFACTURER	STYLE	STYLE NO.	COLOR/FINISH	SIZE	COMMENTS		<u>FLOORS</u>	WALLS
Part	BASE												
Part									4"		B FINISH MATERIALS ARE LISTED IN THE LEGEND COMPONEI		
Part	RESILIENT BASE	09 65 00F		STUDENT CENTER WALL BASE	JOHNSONITE	COVE		IRD	MATCH EXISTING		OF THE FINISH SCHEDULE. SPECIFICATIONS ARE INCLUDE		T4: ACCENT COLOR WALL
Company Comp			T1		CROSSVILLE	MOONSTRUCK	·····	LUNA	4"x24"		DISCREPANCIES BETWEEN THESE TWO SHOULD BE	LVT1: LUXURY VINYL TILE,	T5: STUDENT CENTER
March Marc	TILE BASE	09 30 00	12	STUDENT CENTER TILE BASE - MATCH EXISTING	/ TYCROSSVILLE	SHAPES	human l	THUNDER		GROUT - TEC 934 DELOREAN GRAY 5	BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY		WALL TILE
Company Comp													Paint (PC) P 1: FIFLD COLOR PAINT
March Marc											INFORMATION FOR ALL OTHER DOORS AND FRAMES IS	IDF ROOM	P 2: ACCENT COLOR PAINT
Company Comp		06 40 23	WB4										
The content of the)R						D. ALL VERTICAL TRANSITIONS BETWEEN DIEEERING WALL	CS1: SEALED CONCRETE,	WALL PAINT
Part	WOOD BASE	06 20 00		NEW WOOD BASE/ PROFILE - GROUND FLOOR						REFER TO SHEET A631	FINISHES ARE TO BE MADE AT INSIDE CORNERS (UNLESS		PAINT
Company Comp									_		NOTED OTHERWISE).		
Column C							<u>'</u>	WHITE				COLOR 1	
Part								TBD			WITH THE STAIR SYSTEM ITSELF, ALL EXPOSED	Carpet Tile (CPT)	HPC1: ARCHITECTURALLY
Column C	ACOUSTIC CEILING	09 50 00	AC3						2'x2' TILE		STRUCTURAL STEEL COMPONENTS SUPPORTING THE STA		EXPOSED STEEL
Part	ACOUSTIC CEILING	09 50 00	AC4	STUDENT CENTER CEILING TILE - MATCH EXISTING					4'x4' TILE		METAL COMPONENTS OF THE HANDRAIL AND GUARDRAIL	CPT2: WALK-OFF CARPET	CEILINGS
Sect	GYPSUM BOARD	09 21 16	GYP		SEE SPECS			PC3			STAIR RUNS AND LANDINGS ARE CONSÍDERED "EXPOSED"		Acoustic Ceiling (AC)
The content of the								1					AC1: ACOUSTIC CEILING TILE
Part 1970	PAINT	09 91 00	PC3	CEILING PAINT	SHERWIN WILLIAMS		SW7006	EXTRA WHITE					CLOUD
Color Colo	FLOOR										, -	TILE T2: STUDENT CENTER	
Part 1985 298 Call of State (1987)						,		· ·				FLOOR TILE	LIGHT
## 100 1 Extraction 1 Extraction						WALK RIGHT IN II					ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY. FOR		AC3: ACOUSTIC CEILING TILE AC4: ACOUSTIC CEILING TILE
### 200 日	ONIVET TILL	00 00 10		STOREST SERVER SAME ET TILL - WATCH EXISTING	WICH CHI LAIGHING		"	INTERIOR LAISTING	INV. COLLECTIONS			WOOU FIAIIK (WD)	
Control Cont			T1		CROSSVILLE	MOONSTRUCK		TUNA TO	12"x24"			, FLOORING	MISCELLANEOUS
ACCOUNTS Made March ACCOUNTS March	CERAMIC TILE	09 30 00	12	STUDENT CENTER FLOOR TILE		MISTALES MANAGEMENT	- Lune	UHUNDE	MZ4 XZ4 W	IGROUT - TEC 934 DELOREAN GRAY	MANUAL FOR ALL CEILING MATERIAL AND FINISH	WD2: SOLID WOOD	
MANUAL M	GLOSS EPOXY FLOOR	09 96 00	GEF1	GLOSS EPOXY COATING AT MECHANICAL ROOM							INFORMATION.		ASWS1: ACOUSTIC WALL
STATE	OLABBATTI E	1		FLOOD THE AT EVERYOOD BUILDING STREET	INITED OFF	LINIOLAZED		ALIDUDE: CCC	Allerati			BASE	PANEL, COLOR 1
MALE II	QUARKY TILE	09 30 00	10	PLOUR TILE AT EXTERIOR BUILDING ENTRIES	INTERCERAMIC	UNGLAZED	/	AUBURN, 220	4"X4"		CHANGES. GENERAL CONTRACTOR TO SUBMIT SHOP	DD4, DUDDED DACE	
Part					PATCRAFT		00500	HAZE			DRAWINGS FOR ALL FLOORING TRANSITIONS AND AREAS	COLOR 1	
### SPACE OF THE PROPERTY OF T						0.10000.1					SPECIFICATIONS, FLOOR FINISH PLANS, DETAILS AND		Solid Surface (SS)
### ALL COMMAND 1979 07 1979						AUUKEUATE		-					SS1: COUNTERTOP
March 1997													SS2: WINDOW STOOL
March Marc	SEALED CONCRETE	03 39 00	CS1		SEE SPECS			CLEAR			(CURBS, HEADERS, BULKHEADS, ETC.) AND SHOULD NOT E	WB2: NEW WOOD BASE TO	
ALTHONIS SELECTION SELEC	WOOD PLANK	09 64 29		ENGINEERED WOOD PLANK			Ţ	TBD				WB3: NEW WOOD BASE/	VV I I. VVIINDUVV SMADES
MINISTRATE 19 19 19 19 19 19 19 1			WD2	SOLID WOOD PLANK FLOORING						ALTERNATE #3			
DEPONTRANT 1991	MISCELLANICOLIS										COORDINATING FINISHED FLOOR ELEVATIONS WITH	(GROUND FLOOR)	
CETTICATE FINAL SECTION SECTIO		09 91 00	EP1	EXTERIOR CORNICE, SOFFIT AND LINTEL	SHERWIN WILLIAMS			TBD					
PACT 199 (0 PC) APCHEDINAL EUROPE STEEL SHEWMALLIANS 199 MCH PCS	EXTERIOR PAINT	09 91 00	EP2	EXTERIOR TRIM	SHERWIN WILLIAMS			TBD				(GROUND FLOOR)	
PAST 199 10 PC3	DAINT	00 06 00	HDC1	ADCHITECTI IDALI V EVDOSED STEEL	CHEDWIN WILLIAMS			TRD		MATCH DC5		PROFILE (GROUND	
PASTIC LAMMATE							SW6990	CAVIAR		IMATCH PC5		FLOOR)	
Pastic Landarie 16 4 00 Pat Ose-Worker Pastic Landarie Wis Schwitz Title	PAINT	09 91 00	PC6	HOLLOW METAL DOOR FRAMES	SHERWIN WILLIAMS		<u> </u>	TBD		MATCH INTERIOR STAIN COLOR	FINIOLINOTEO		
SUID SUPPRIOR 123 00 \$31 OUNTERTOPS WILSOMART TID TID CONTRACTOR SHALL EXPENSE TO EXPLANATION FOR YILDON FOR THE PART OF THE WORK OF THE REST CONTRACTOR SHALL EXPENSE TO THE WORK OF THE REST CONTRACTOR SHALL EXPENSE TO THE WORK OF THE REST CONTRACTOR SHALL EXPENSE TO THE WORK OF THE REST CONTRACTOR SHALL EXPENSE TO THE REST CO	PLASTIC LAMINATE	06 41 00	PI 1	CASEWORK PLASTIC LAMINATE	WILSONART			TRD			FINISH NOTES		
SOLID SURFACE 29 00 SS2	TEACHO EAMINATE	00 41 00		ONOLWONKI LAGIIG LAWIINATE	WILOURART			100					
STAINED FINISH 09 30 00 SF1 INTERIOR MILLWORK/TEMM SEE SPECS STAINED FINISH 09 30 00 SF2 EXTERIOR DOOR STAIN SEE SPECS TRANSPARENT FINISH 09 30 00 FF1 SEE SPECS MALL ANALY AND			SS1					TBD			TRADES HAS BEEN INSTALLED IN SATISFACTORY CONDI	TION TO RECEIVE PAINT, STAIN OR SPECIF	FIED FINISH. THE
STANDE PRINSH 09 30 00 SF1 INLEGATION SEESPECS TO SET A PRINCIPATION OF SET AND ALL VISION SET SPECS TO SET AND ALL VISION SET SPECIAL SET AND ALL VISION SET SPECIAL SET AND ALL VISION SET SET SET AND ALL VISION SET AND AL	SOLID SURFACE	12 30 00	552	WINDOW STOOLS AT PEDESTRIAN WALKWAY	WILSONARI			IRD					
STANDED FINISH 19 93 00 F2 EXTERIOR DOOR STAIN SEE SPECS TRANSPARENT FINISH 99 30 0 FF 1 SEE SPECS SEE SPECS WALL ACCUSTIC WALL PANELS CERAMIC TILE 93 30 0 T3 FELD COLOR WALL TILE STONE SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T3 FELD COLOR WALL TILE STONE SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T3 STUDENT CONTROL OF STAIL LANDING THE MANUFACTURE STAIL LANDING FINAL LIGHTING CONFIDENCE FOR REVEW ACCUSTIC FABRIC WALL PANELS STONE SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T3 STUDENT CONTROL CONTROL TILE STONE SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T4 ACCENT COLOR WALL TILE STONE SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T5 STUDENT CONTROL TO STAIL LANDING FINAL LIGHTING CONFIDNATION FOR REVEW AND STAIL STANLES FOR SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T5 STUDENT CONTROL TO STAIL LANDING FINAL LIGHTING CONFIDNATION FOR REVEW AND STAIL STANLES FOR SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T5 STUDENT CONFIDNATION FOR REVEW AND STANLES FOR SOURCE TO STANLES FOR SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T5 STUDENT CONFIDNATION FOR REVEW AND STANLES FOR SOURCE TO STANLES FOR SOURCE LAGO DI WITD CERAMIC TILE 19 30 00 T5 STUDENT CONFIDNATION FOR REVEW AND STANLES FOR SOURCE TO STANLES FOR			SF1										
TRANSPARENT FINISH 09 93 00 TF1	STAINED FINISH	09 93 00	SF2	EXTERIOR DOOR STAIN	SEE SPECS								
WALL ACOUSTIC FABRIC WRAPPED PANEL OF BANK OF STORING SUCH SOURCE FARMIC TILE OF 30 00 T3 FIELD COLOR WALL TILE STORE SOURCE LAGO DI VITTO BLANCO CERAMIC TILE OF 30 00 T4 ACCENT COLOR WALL TILE OF 30 00 T5 STUDENT CENTRAC DEARING THE COLOR WALL PANELS NOVAWALL OF STUDENT CENTRAC DEARING THE MANUFACTURERS SHALL BERS. CONTRACTOR SHALL BENS. SHEEN TYPE IN THE COLOR WIND STORING SHOW. PAINT OF SHEEN TYPE IN THE COLOR WALL FAINT SHERWIN WILLIAMS SHERWIN WILLIAMS SHERWIN WILLIAMS SHERWIN WILLIAMS SHERWIN WILLIAMS SHERWIN WILLIAMS MATCH EXISTING FORMAT ALL SHALL SHE PAINT SHE PROVING SHOULES SHALL BERS. CONTRACTOR	TRANSPARENT FINISH	09 93 00	TF1		SEE SPECS								
ACOUSTIC FABRIC WRAPPED PANEL 98 41 4 ASWS1 ACOUSTIC WALL PANELS 1'S YSTEM TBD 5. MATERIALS STORAGE WATCHING SOURCE LAGO DI VITTO BIANCO 4'X12'' STORE SOURCE LAGO DI VITTO SHERNIN STRUCTIONS. DAMAGED MATERIALS STORAGE WATCHINALS STORE SOURCE LAGO DI VITTO STORE SOURCE LAGO DI VITTO SHERNIN STANLE SOURCE LAGO DI VITTO SHERNIN STRUCTIONS. DAMAGED MATERIALS STORAGE WATCHINALS STORAGE WATCHINALS STORAGE WATCHINALS SOURCE LAGO DI VITTO STORE SOURCE LAGO DI VITTO SHERNIN STRUCTIONS. DAMAGED MATERIALS STORAGE WATCHINALS S													
A MATERIAL STORAGE: MATERIALS STORAGE: MATERIALS STORECD NOT THE SITE SHALL BE PROTECT ON COTONING TO THE SITE SHALL BE PROTECT ON COTONING TO THE STORE SWIND, SUN, AMUSE OR ANY OTHER HARMFUL AS STORE SOURCE LAGO DI VITTO CERAMIC TILE 09 30 00 T4 ACCENT COLOR WALL TILE 5TONE SOURCE AGOD VITTO FUME 4"x12" FRAINT: AFTER A SCEPTIANCE OF PAINT SAMPLES, CONTRACTOR SHALL INSTALL AN ON-SITE MOCK-UP OF EACH COLOR AND SHEEN AND UNIQUE HAVE INCORPORATED INTO THE FINAL LEGYTH OF EACH COLOR AND SHEEN AND COLOR AND SHEEN AND COLOR AND SHEEN AND COLOR MATCH PAINT 09 91 00 PC1 FIELD COLOR WALL PAINT FIRST SHEWIN WILLIAMS SW6000 SNOWFALL PAINT 09 91 00 PC2 ACCENT COLOR WALL PAINT SHERWIN WILLIAMS SHERWIN WILLIAMS TBD 7. PAINT ADD SUBSTRATES: ALL VISIBLE MISCELLANEOUS GRILLES, PLATES, ETC., OCCURRING IN WALLS AND CEILINGS SHALL BE PAINTED SHORED. FINAL STORE CON COLOR WALL PRINT FINAL STORE SOURCE LAGO DI VITTO BIANCO 4"x12" GROUT TEC 949 SILVERADO FUME 4"x12" GROUT TEC 949 SILVERADO FUME 4"x12" GROUT TEC 949 SILVERADO FUME 5TONE SOURCE ACCEPTIANCE OF PAINT: AFTER ASCEPTIANCE OF PAINT SAMPLES, CONTRACTOR SHALL INSTALL BE REJECTED AND SHALL BE REPLACED. FAINT: AFTER ASCEPTIANCE OF PAINT SAMPLES, CONTRACTOR SHALL INSTALL BE REJECTED AND SHALL BE PROTECT ON THE MACH COLOR AND SHALL BE PROTECT AND SHALL BE PRO	14/41 1	51 00 04 44	A CIMO4	ACCUICTIC WALL DANIELS	NOVANALI	4# CVCTEM		TDD				ABELS. CONTRACTOR SHALL BE RESPON	SIBLE FOR RECEIVING AND
CERAMIC TILE	WALL	105 04 14		ACCUSTIC WALL FAINELS	INOVAVVALL	I SISIEWI		טטו					, , - ,
CERAMIC TILE 99 30 00 T5 STUDENT CENTER WALL TILE - MATCH EXISTING (CROSSVILLE SHAPES MS IVERADO) PAINT: AFTER ACCEPTANCE OF PAINT SAMPLES, CONTRACTOR SHALL INSTALD RIST LIGHTING CONDITIONS FOR REVIEW AND APPROVAL BY THE ARCHITECT. ONCE APPROVED, THE MOCK-UP MAY BE INCORPORATED INTO THE FINAL WORK. PAINT 99 10 PC1 FIELD COLOR WALL PAINT SHERWIN WILLIAMS SHERWIN WILLIAMS TBD PAINT 99 91 00 PC2 ACCENT COLOR WALL PAINT SHERWIN WILLIAMS TBD PAINT 99 91 00 PC4 STUDENT CENTER WALL PAINT SHERWIN WILLIAMS MATCH EXISTING THE ARCHITECT. ONCE APPROVED, THE MOCK-UP MAY BE INCORPORATED INTO THE FINAL WORK. CONTRACTOR SHALL LEAVE REMAINING PAINT (1 GALLON MINIMUM) OF EACH COLOR AND SHEEN AND COLOR MATCH FOR WALL PAINT SHERWIN WILLIAMS TBD PAINT 99 91 00 PC2 ACCENT COLOR WALL PAINT SHERWIN WILLIAMS MATCH EXISTING TBD PAINT 99 91 00 PC4 STUDENT CENTER WALL PAINT SHERWIN WILLIAMS MATCH EXISTING THE ANALYSIS OF THE ATTENDATION OF THE MATCH EXISTING AND OPEN CEILINGS SHALL BE PAINTED BLACKES, UNLESS ON THAT THE ADJACES, UNLESS ON THAT THE ADJACES, UNLESS ON THAT THE ADJACES ON THAT	ACOUSTIC FABRIC WRAPPED PANEL							BIANCO	4"x12"				TUCTIONS. DAMAGED
AND APPROVAL BY THE ARCHITECT. ONCE APPROVED, THE MOCK-UP MAY BE INCORPORATED INTO THE FINAL WORK. PAINT 09 91 00 PC1 FIELD COLOR WALL PAINT SHEWIN WILLIAMS SW6000 SNOWFALL PAINT 09 91 00 PC2 ACCENT COLOR WALL PAINT SHEWIN WILLIAMS TBD PAINT 09 91 00 PC4 STUDENT CENTER WALL PAINT SHEWIN WILLIAMS TBD PAINT 09 91 00 PC4 STUDENT CENTER WALL PAINT SHEWIN WILLIAMS SHERWIN WILLIAMS SHORT EXISTING SHALL BE PAINT SUBSECULATED, SUCCESSION OF THE MOCK-UP MAY BE INCORPORATED INTO THE FINAL WORK. SW6000 SNOWFALL SHERWIN WILLIAMS SHALL BE PAINT SUBSECULATED, SUCCESSION SHERWIN SUCCESSION SHERWIN SUCCESSION SHERWIN SHERWIN WILLIAMS SHALL BE PAINT SUCCESSION SHERWIN SHERWIN WILLIAMS SHALL BE PAINT SUCCESSION SHALL BE PAINT SUCCESSION SHERWIN SHERWIN WILLIAMS SHALL BE PAINT SUCCESSION SHALL BE PAINT SUC	CERAMIC TILE	09 30 00	T3								•		
PAINT 09 91 00 PC1 FIELD COLOR WALL PAINT (1 GALLON MINIMUM) OF EACH COLOR AND SHEEN AND COLOR MATCH FORMULA WITH TENANT/OWNER FOR FUTURE TOUCH-UP NEEDS. PAINT 09 91 00 PC2 ACCENT COLOR WALL PAINT SHEWIN WILLIAMS PAINT 09 91 00 PC4 STUDENT CENTER WALL PAINT SHEWIN WILLIAMS TBD 7. PAINT AND SUBSTRATES: ALL VISIBLE MISCELLANEOUS GRILLES, PLATES, ETC., OCCURRING IN WALLS AND CEILINGS SHALL BE PAINTED TO MATCH THE ADJACENT SURFACES, UNLESS OTHERWISE NOTED. ALL VISIBLE ITEMS IN PLENUM ABOVE GRILLS AND OPEN CEILINGS SHALL BE PAINTED BLACK SO THAT THEY ARE NOT VISIBLE. ALL PAINTS, PRIMERS, AND ADHESIVES	CERAMIC TILE CERAMIC TILE	09 30 00	T3 T4 T5	ACCENT COLOR WALL TILE	STONE SOURCE	LAGO DI VITTO	~~~~~~	FUME	4"x12"				
PAINT NO SUBSTRATES: ALL VISIBLE MISCELLANEOUS GRILLES, PLATES, ETC., OCCURRING IN WALLS AND CEILINGS SHALL BE PAINTED TO MATCH THE ADJACENT SURFACES, UNLESS OTHERWISE NOTED. ALL VISIBLE ITEMS IN PLENUM ABOVE GRILLS AND OPEN CEILINGS SHALL BE PAINTED BLACK SO THAT THEY ARE NOT VISIBLE. ALL PAINTS, PRIMERS, AND ADHESIVES The paint and substrates: All VISIBLE MISCELLANEOUS GRILLES, PLATES, ETC., OCCURRING IN WALLS AND CEILINGS SHALL BE PAINTED TO MATCH THE ADJACENT SURFACES, UNLESS OTHERWISE NOTED. ALL VISIBLE ITEMS IN PLENUM ABOVE GRILLS AND OPEN CEILINGS SHALL BE PAINTED BLACK SO THAT THEY ARE NOT VISIBLE. ALL PAINTS, PRIMERS, AND ADHESIVES The paint and substrates: All VISIBLE MISCELLANEOUS GRILLES, PLATES, ETC., OCCURRING IN WALLS AND CEILINGS SHALL BE PAINTED TO MATCH THE ADJACENT SURFACES, UNLESS OTHERWISE NOTED. ALL VISIBLE ITEMS IN PLENUM ABOVE GRILLS AND OPEN CEILINGS SHALL BE PAINTED BLACK SO THAT THEY ARE NOT VISIBLE. ALL PAINTS, PRIMERS, AND ADHESIVES	CERAMIC TILE CERAMIC TILE	09 30 00	T3 T4 T5	ACCENT COLOR WALL TILE	STONE SOURCE	LAGO DI VITTO	~~~~~~	FUME	4"x12"		SHEEN TYPE IN THE LOCATION WHERE THAT TYPE IS SC AND APPROVAL BY THE ARCHITECT. ONCE APPROVED,	HEDULED AND UNDER THE FINAL LIGHTING THE MOCK-UP MAY BE INCORPORATED INT	G CONDITIONS FOR REVIEW TO THE FINAL WORK.
BE PAINTED TO MATCH THE ADJACENT SURFACES, UNLESS OTHERWISE NOTED. ALL VISIBLE ITEMS IN PLENUM ABOVE GRILLS AND OPEN CEILINGS SHALL BE PAINTED BLACK SO THAT THEY ARE NOT VISIBLE. ALL PAINTS, PRIMERS, AND ADHESIVES	CERAMIC TILE CERAMIC TILE CERAMIC TILE PAINT	09 30 00		ACCENT COLOR WALL TILE STUDENT CENTER WALL TILE - MATCH EXISTING FIELD COLOR WALL PAINT	STONE SOURCE CROSSVILLE SHERWIN WILLIAMS	LAGO DI VITTO	SW6000 S	FUME MIS SNOWFALL	4"x12"		SHEEN TYPE IN THE LOCATION WHERE THAT TYPE IS SC AND APPROVAL BY THE ARCHITECT. ONCE APPROVED, CONTRACTOR SHALL LEAVE REMAINING PAINT (1 GALLO	HEDULED AND UNDER THE FINAL LIGHTING THE MOCK-UP MAY BE INCORPORATED INT I MINIMUM) OF EACH COLOR AND SHEEN A	G CONDITIONS FOR REVIEW TO THE FINAL WORK.
	CERAMIC TILE CERAMIC TILE CERAMIC TILE PAINT PAINT	09 30 00	PC2	ACCENT COLOR WALL TILE STUDENT CENTER WALL TILE - MATCH EXISTING FIELD COLOR WALL PAINT ACCENT COLOR WALL PAINT	STONE SOURCE CROSSVILE SHERWIN WILLIAMS SHERWIN WILLIAMS	LAGO DI VITTO	SW6000 S	SNOWFALL TBD	4"x12"		SHEEN TYPE IN THE LOCATION WHERE THAT TYPE IS SC AND APPROVAL BY THE ARCHITECT. ONCE APPROVED, CONTRACTOR SHALL LEAVE REMAINING PAINT (1 GALLO) FORMULA WITH TENANT/OWNER FOR FUTURE TOUCH-UF 7. PAINT AND SUBSTRATES: ALL VISIBLE MISCELLANEOUS	HEDULED AND UNDER THE FINAL LIGHTING THE MOCK-UP MAY BE INCORPORATED INTO MINIMUM) OF EACH COLOR AND SHEEN A NEEDS. GRILLES, PLATES, ETC., OCCURRING IN W	G CONDITIONS FOR REVIEW TO THE FINAL WORK. AND COLOR MATCH VALLS AND CEILINGS SHALL
	CERAMIC TILE CERAMIC TILE CERAMIC TILE PAINT PAINT	09 30 00	PC2	ACCENT COLOR WALL TILE STUDENT CENTER WALL TILE - MATCH EXISTING FIELD COLOR WALL PAINT ACCENT COLOR WALL PAINT	STONE SOURCE CROSSVILE SHERWIN WILLIAMS SHERWIN WILLIAMS	LAGO DI VITTO	SW6000 S	SNOWFALL TBD	4"x12"		SHEEN TYPE IN THE LOCATION WHERE THAT TYPE IS SC AND APPROVAL BY THE ARCHITECT. ONCE APPROVED, CONTRACTOR SHALL LEAVE REMAINING PAINT (1 GALLO) FORMULA WITH TENANT/OWNER FOR FUTURE TOUCH-UF 7. PAINT AND SUBSTRATES: ALL VISIBLE MISCELLANEOUS BE PAINTED TO MATCH THE ADJACENT SURFACES, UNLE	HEDULED AND UNDER THE FINAL LIGHTING THE MOCK-UP MAY BE INCORPORATED INTO MINIMUM) OF EACH COLOR AND SHEEN A NEEDS. GRILLES, PLATES, ETC., OCCURRING IN WAS OTHERWISE NOTED. ALL VISIBLE ITEM.	G CONDITIONS FOR REVIEW TO THE FINAL WORK. AND COLOR MATCH VALLS AND CEILINGS SHALL VIS IN PLENUM ABOVE GRILLS
RECEPTACLE OR TELECOMMUNICATIONS OUTLET FACEPLATES HAVE BEEN INSTALLED PRIOR TO COMPLETION OF	CERAMIC TILE CERAMIC TILE CERAMIC TILE PAINT PAINT	09 30 00	PC2	ACCENT COLOR WALL TILE STUDENT CENTER WALL TILE - MATCH EXISTING FIELD COLOR WALL PAINT ACCENT COLOR WALL PAINT	STONE SOURCE CROSSVILE SHERWIN WILLIAMS SHERWIN WILLIAMS	LAGO DI VITTO	SW6000 S	SNOWFALL TBD	4"x12"		SHEEN TYPE IN THE LOCATION WHERE THAT TYPE IS SC AND APPROVAL BY THE ARCHITECT. ONCE APPROVED, CONTRACTOR SHALL LEAVE REMAINING PAINT (1 GALLO) FORMULA WITH TENANT/OWNER FOR FUTURE TOUCH-UF 7. PAINT AND SUBSTRATES: ALL VISIBLE MISCELLANEOUS BE PAINTED TO MATCH THE ADJACENT SURFACES, UNLE AND OPEN CEILINGS SHALL BE PAINTED BLACK SO THAT SHALL BE LOW-VOC EMITTING TYPE. 8. HARDWARE, FACEPLATES, ETC. COORDINATION WITH F	HEDULED AND UNDER THE FINAL LIGHTING THE MOCK-UP MAY BE INCORPORATED INTO MINIMUM) OF EACH COLOR AND SHEEN A NEEDS. GRILLES, PLATES, ETC., OCCURRING IN WAS OTHERWISE NOTED. ALL VISIBLE ITEM THEY ARE NOT VISIBLE. ALL PAINTS, PRIFUSHES: CONTRACTOR SHALL ENSURE THE	G CONDITIONS FOR REVIEW TO THE FINAL WORK. AND COLOR MATCH VALLS AND CEILINGS SHALL MS IN PLENUM ABOVE GRILLS MERS, AND ADHESIVES HAT NO ELECTRICAL
APPLICATION OF ANY FINISH MATERIALS. ANY SUCH FACEPLATE OR HARDWARE, ETC., SHALL BE REMOVED PRIOR TO WALL	CERAMIC TILE CERAMIC TILE CERAMIC TILE PAINT PAINT	09 30 00	PC2	ACCENT COLOR WALL TILE STUDENT CENTER WALL TILE - MATCH EXISTING FIELD COLOR WALL PAINT ACCENT COLOR WALL PAINT	STONE SOURCE CROSSVILE SHERWIN WILLIAMS SHERWIN WILLIAMS	LAGO DI VITTO	SW6000 S	SNOWFALL TBD	4"x12"		SHEEN TYPE IN THE LOCATION WHERE THAT TYPE IS SC AND APPROVAL BY THE ARCHITECT. ONCE APPROVED, CONTRACTOR SHALL LEAVE REMAINING PAINT (1 GALLO) FORMULA WITH TENANT/OWNER FOR FUTURE TOUCH-UF 7. PAINT AND SUBSTRATES: ALL VISIBLE MISCELLANEOUS BE PAINTED TO MATCH THE ADJACENT SURFACES, UNLE AND OPEN CEILINGS SHALL BE PAINTED BLACK SO THAT SHALL BE LOW-VOC EMITTING TYPE. 8. HARDWARE, FACEPLATES, ETC. COORDINATION WITH FRECEPTACLE OR TELECOMMUNICATIONS OUTLET FACEF APPLICATION OF ANY FINISH MATERIALS. ANY SUCH FACE	HEDULED AND UNDER THE FINAL LIGHTING THE MOCK-UP MAY BE INCORPORATED INTO MINIMUM) OF EACH COLOR AND SHEEN A NEEDS. GRILLES, PLATES, ETC., OCCURRING IN WAS OTHERWISE NOTED. ALL VISIBLE ITEM THEY ARE NOT VISIBLE. ALL PAINTS, PRIFUSIBLES: CONTRACTOR SHALL ENSURE THATES HAVE BEEN INSTALLED PRIOR TO SHALL ENSURE THATES HAVE BEEN INSTALLED PRIOR TO SHALL ENSURE THATES HAVE BEEN INSTALLED PRIOR TO SHALL ENSURE THATES HAVE BEEN INSTALLED	G CONDITIONS FOR REVIEW TO THE FINAL WORK. AND COLOR MATCH VALLS AND CEILINGS SHALL MS IN PLENUM ABOVE GRILLS MERS, AND ADHESIVES HAT NO ELECTRICAL COMPLETION OF
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ISSUE DATE July 2, 2021 11396-00

DDC SHALL MONITOR AND MAKE SETPOINT CHANGES TO SYSTEM THRU SYSTEM MANUFACTURER'S GATEWAY.

COORDINATE WITH SPLIT SYSTEM MANUFACTURER TO PROVIDE THE FOLLOWING,

- POINTS. IN ADDITION, OWNER WILL HAVE CAPABILITY OF SETTING TEMEPRA-

	На	rdwai	re Poi	ints			Softw	/are Poi	nts		
Point Name	AI	AO	ВІ	во	AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Zone Temp	х								х		x
Zone Setpoint Adjust	х										х
Zone Override			х						х		х
Fan Status			х						х		х
Fan Start/Stop				х					х		х
Reversing Valve				х					х		х
Compressor				х					х		х
Heating				х					х		х
Emergency Shutdown						х			х	х	х
Schedule								х			х
Heating Setpoint									х		х
Cooling Setpoint									х		х
High Zone Temp										х	
Low Zone Temp										х	
Compressor Runtime Exceeded										х	
Filter Change Required										х	
Fan Failure										х	
Discharge Air Temperature	х								х	х	x

HEATERS SHALL OPERATE FROM THEIR PACKAGED CONTROLS. MONITOR DOMES-TIC HOT WATER TEMPERATURE. PROVIDE REMOTE TEMPERATURE AND HIGH TEM-

DOMESTIC WATER RECIRCULATING PUMPS SHALL RUN CONTINUOUSLY DURING OC-CUPIED AND OFF DURING UNOCCUPIED. IF MULTIPLE PUMPS, PROVIDE LEAD/LAG CYCLE FOR EQUAL RUNTIME. PROVIDE STATUS/ALARM INFORMATION AS OUTLINED

	Har	dwar	e Po	ints			Sof	tware Poi	nts		
Point Name	Al	AO	ВІ	во	ΑV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Building Supply Temp	Х								Х	х	х
Water Heater Stop/Start						х		х	Х		x
Heater 1 Supply Temp	х								Х	х	x
Heater 2 Supply Temp	х								Х	х	х
Recirc Pump 1 Status			х						Х	х	x
Recirc Pump 2 Status			х						Х	х	х
Return Water Temperature	×								Х		х
Heater 1 Setpoint					х				Х		х
Heater 2 Setpoint					х				х		х
Recirc Pump 1						х			х		х
Recirc Pump 2						х			х		х

- SYSTEM SHALL CONTROL INDOOR UNIT TO MAINTAIN ROOM SETPOINT.
- TURE SETPOINT RANGES THRU DDC SYSTEM.

	Ha	rdwai	re Poi	ints			Softw	vare Poi	nts		
Point Name	AI	АО	ВІ	во	ΑV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Zone Temp	х								х		х
Zone Setpoint Adjust	х										x
Zone Override			х						х		х
Fan Status			х						х		х
Fan Start/Stop				х					х		х
Reversing Valve				х					х		х
Compressor				х					х		х
Heating				х					х		х
Emergency Shutdown						х			х	х	х
Schedule								х			х
Heating Setpoint									х		х
Cooling Setpoint									х		х
High Zone Temp										х	
Low Zone Temp										х	
Compressor Runtime Exceeded										х	
Filter Change Required										х	
Fan Failure										х	
		1		İ	1						

DOMESTIC HOT WATER HEATERS

	Har	rdwai	re Po	oints			Sof	tware Poi	nts		
Point Name	AI	АО	ВІ	во	AV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Building Supply Temp	х								х	х	х
Water Heater Stop/Start						х		х	х		х
Heater 1 Supply Temp	х								х	х	х
Heater 2 Supply Temp	х								х	х	х
Recirc Pump 1 Status			х						х	х	х
Recirc Pump 2 Status			х						х	х	х
Return Water Temperature	х								х		х
Heater 1 Setpoint					х				х		х
Heater 2 Setpoint					х				х		х
Recirc Pump 1						х			х		х
Recirc Pump 2						х			х		х

DUCTLESS MINI-SPLIT UNIT

AT A MINIMUM.

- DDC SYSTEM SHALL HAVE CAPABILITY OF OVERRIDING THERMOSTAT SET-
- MONITOR AND PROVIDE NOTIFICASTION FOR ALL ALARMS.

PERATURE ALARM INDICATION AND REMOTE TEMPERATURE ADJUSTMENT.

IN THE I/O SUMMARY.

	Har	dwar	re Po	ints			Sof	tware Poi	nts		
Point Name	AI	AO	ВІ	во	ΑV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Building Supply Temp	х								Х	х	х
Water Heater Stop/Start						х		x	×		х
Heater 1 Supply Temp	х								×	х	х
Heater 2 Supply Temp	х								х	х	х
Recirc Pump 1 Status			х						х	х	х
Recirc Pump 2 Status			х						х	х	х
Return Water Temperature	х								х		х
Heater 1 Setpoint					х				х		х
Heater 2 Setpoint					х				х		х
Recirc Pump 1						х			Х		х
Recirc Pump 2						х			×		х

	Ha	rdwai	e Poi	nts			Softw	/are Poi	nts		
Point Name	Al	АО	ВІ	во	ΑV	BV	Loop	Sched	Trend	Alarm	Show On G
High Level			х						х	х	х
Pump Status			х						х	х	х
Power to Pumps			х						х	х	х

SUMP PUMPS/DUPLEX STORM AND SEWAGE EJECTORS (INCLUDING IN EXTERIOR

MONITOR ALL SUMP PUMPS, STORM EJECTORS, AND SEWAGE EJECTORS. PRO-

EXTERIOR VAULT EXHAUST FAN

VIDE ALARM FOR HIGH WATER LEVEL.

MONITOR VAULT TEMPERATURE AND STATUS OF THE EXTERIOR VAULT EXHAUST FANS.

	Ha	rdwar	e Poi	nts			Softw	/are Poir	nts		
Point Name	ΑI	AO	ВІ	во	ΑV	BV	Loop	Sched	Trend	Alarm	Show On Graphic
Temperature	х								х	х	х
Temperature Setpoint		х							х		х
Fan Status			Х						х	х	х
Fan Command				х					х		х
Power to Fan			Х						х	х	х

SEQUENCE OF OPERATION - MISCELLANEOUS ITEMS

1.1 MULTIPLE COMPONENTS IN SYSTEMS

A. WHERE MORE THAN ONE COMPONENT IS SHOWN IN A SYSTEM (SUCH AS FANS, VALVES, DAMPERS, ETC.) COMPONENTS SHALL OPERATE TOGETHER IN PARALLEL SEQUENCE.

1.2 RANDOM START SEQUENCE

A. WHEN EMERGENCY POWER OPERATION BEGINS, PROVIDE RANDOM START SEQUENCE FOR FANS AND PUMPS CONNECTED TO THE EMERGENCY POWER SYSTEM SO THAT ALL MOTORS DO NOT START AT ONCE (TO REDUCE START-UP LOAD ON EMERGENCY GENERATOR). START MOTORS REQUIRED BY THE SEQUENCE ONE AT A TIME, WITH A 20 SECOND TIME DELAY (ADJUSTABLE) BETWEEN EACH START

1.3 SAFETY CONTROLS

A. CONNECT ALL SAFETY CONTROLS TO THE SYSTEM SO THAT IF ANY SAFETY CONTROL ACTIVATES, IT WILL PERFORM THE SAFETY FUNCTION AT ALL TIMES THAT ITS SYSTEM IS IN HAND (MANUAL) OR AUTOMATIC POSITION. MANUAL OPERATION SHALL NOT BYPASS ANY FIRE, SMOKE, LOW OR HIGH LIMIT CONTROLS OR SEQUENCES THAT REQUIRE DAMPERS TO BE OPENED BEFORE FANS START, ETC.

A. <u>CAMPUS FREEZE PROTECTION</u>: WHEN ISSUED THE DOAS AND FAN COILS SHALL LOCK INTO STANDBY/OCCUPIED MODE.

B. <u>CAMPUS HOT WATER</u>: WHEN ISSUED LOCK ON OR OFF THE HEATING HOT WATER SYSTEM AS COMMANDED BY THE EIP.

C. <u>CAMPUS CHILLED WATER</u>: WHEN ISSUED LOCK ON OR OFF THE CHILLED WATER SYSTEM AS COMMANDED BY THE EIP.

1.5 CONDESATE METER:

A PROVIDE CONDENSATE METER THAT IS RATED FOR 300°F FOR 2" AND SMALLER IS REGISTERED IN GALLONS THE METER MUST ACCEPT PULSERS TO PERMIT MONITORING BY THE CAMPUS FMS. MUST HAVE A LOCAL READOUT IN A NEMA 4 ENCLOSURE AND INTERFACE WITH AN ONICON OR EQUAL TOTALIZING DISPLAY

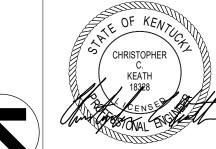
1.6 CHILLED WATER BTU METER:

A. PRIMARY CHILLED WATER METER SHALL REPORT BACK TO THE CAMPUS FMS. MUST HAVE A LOCAL READOUT IN A NEMA 4 ENCLOSURE AND INTERFACE WITH AN ONICON OR EQUAL TOTALIZING DISPLAY MODULE. FLOW METER SHALL BE ELECTROMAGNETIC INSERTION STYLE.

1.7 DOMESTIC WATER METER:

A. DOMESTIC WATER METER IS REGISTERED IN GALLONS. THE METER MUST ACCEPT PULSERS TO PERMIT MQNITORING BY THE CAMPUS FMS. MUST HAVE A LOCAL READOUT IN A NEMA 4 ENCLOSURE AND INTERFACE. WITH AN ONICON OR EQUAL TOTALIZING DISPLAY-MODULE.

KEY PLAN



T 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 RADES. 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.

CONTROL SYSTEM MATRIX

CONTROL WIRE AND CONTROL POWER WIRING

INSTALL PRESSURE, TEMPERATURE SENSORS

IRRIGATION SYSTEM BACNET INTEGRATOR

PROVIDE PRESSURE, TEMPERATURE SENSORS

ELECTRICAL METER, INTERFACE, INSTALL AND PROGRAMMING

CONDENSATE METER, INTERFACE, INSTALL AND PROGRAMMING DOM. WATER METER, INTERFACE, INSTALL AND PROGRAMMING

INTERFACE TO UNITS BACNET/MSTP INTERFACE, SEE POINTS BELOW

UNIT SHALL BE ENABLED THROUGH AN OCCUPIED/UNOCCUPIED SCHEDULE.

DURING OCCUPIED UNIT SHALL BE SET TO PROVIDE 325 CFM (ADJ.) OUTSIDE

AIR AND 225 CFM (ADJ.) EXHAUST AIR. DURING UNOCCUPIED TIMES UNIT SHALL

BE SET TO PROVIDE 200 CFM (ADJ.) OUTSIDE AIR AND 100 CFM (ADJ.) EXHAUST

AIR. IF OUTSIDE AIR TEMPERATURE DROPS BELOW 0 DEG. F. THE UNIT SHALL

UNIT SHALL OPERATE TO ON INTERNAL CONTROLLER TO PROVIDE NEUTRAL

Binary Values

Status - Supply fan on by Modbus

Status - Exhaust fan on by Modbus

Unit is in dehumidification Mode

Active when any alarm is active

Alarm - Emergency Stop Activated

Alarm - Compressor High Pressure

68 BV Alarm_SupplyDewpointSensorFailure Alarm - Supply Dewpoint Temperature Sensor Failure R 0 1

Unit is in Heating Mode

Unit is in Defrost Mode

Unit is in Economizer Mode

Alarm - Drain Pan Overflow

Alarm - Dirty Air Filters

Reset alarms by BMS Analog Inputs

Occupied Mode off/on by BMS - Optional

Status - Compressor relay output energized

Status - Reversing valve relay output energized Status - Enthalpy wheel relay output energized

Alarm - Loss of Airflow or ECM Communications

Control Temperature; Air leaving enthalpy wheel

Pressure drop across supply air fan venturi

Analog Values

Occupied dehumidification set point

Occupied Supply Air CFM set point Occupied Exhaust Air CFM setpoint

Unoccupied dehumidification set point

Unoccupied Exhaust Air CFM setpoint

Occupied Heating set point

Unoccupied Heating set point Unoccupied Supply Air CFM set point

Analog Values

Compressor Lifetime Run Hours

Enthalpy Wheel Lifetime Run Hours

Supply Blower Lifetime Run Hours Exhaust Blower Lifetime Run Hours

Pressure drop across exhaust air fan venturi

Supply Air Dry Bulb Temperature; Air leaving the unit

Supply Air Dewpoint Temperature; Air leaving dx coil R -58 F 221 F

Turn unit off/on by BMS

AIR AT 72 DEG. F. (ADJ.) TO THE OCCUPIED SPACES.

66 BV Alarm_CompressorLowPressure Alarm - Compressor Low Pressure

BV Alarm_ControlTempSensorFailure Alarm - Control Temperature Sensor Failure

BV Alarm_SupplyDryBulbSensorFailure Alarm - Supply Dry Bulb Temperature Sensor Failure

CW METER, INTERFACE, INSTALL AND PROGRAMMING

Х

| X | X | X | X | X |

Access Inactive Active

R 0.0 iwc 1.00 iwc

R/W 50.0 F 99.0 F

R/W 0.0 F 90.0 F

R/W 100 cfm 500 cfm

R/W 100 cfm 500 cfm

R/W 50.0 F 99.0 F

R/W 100 cfm 500 cfm

R/W 100 cfm 500 cfm

Access Min Max

R 0h 200000h

R 0h 200000h

R 0h 200000h

R/W 0.0 F 90.0 F

R 0.0 iwc 1.00 iwc

INSTALL COMMUNICATION CABLE

INSTALL MECHANICAL EQUIPMENT

INSTALL CONTROL PANEL

PROGRAM CONTROLS

METER INTEGRATION

LIGHTING INTEGRATION

INSTALL FAN COIL CONTROLS

PROGRAM IRRIGATION SYSTEM PROVIDE AND INSTALL VFDS

LIGHTING CONTROL AND INTERFACE

DEDICATED OUTSIDE AIR UNITS:

AVAILABLE FOR INTERFACE.

BE CYCLED OFF.

Index Type Variable Name BV UnitOn

BV SupplyFan_On

I1 BV ExhaustFan_On

BV Compressor_On

13 BV ReversingValve_On

14 BV EnthalpyWheel_On

2 BV Occupied

30 BV CoolMode

32 BV EconMode

BV HeatMode

60 BV Alarm_Global

80 BV Alarm_Reset

Index Type Variable Name

Index Type Variable Name 50 AV OCC_CoolingSetPoint

Al ControlTemperature

2 Al SupplyDewpointTemperature

4 Al SupplyDifferentialPressure

5 Al ExhaustDifferentialPressure

AV OCC_HeatingSetPoint

52 AV OCC_SA_CFM_SetPoint

54 AV UNOCC_CoolingSetPoint

Index Type Variable Name

10 IV RunHours_Compressor

3 AV OCC_EA_CFM_SetPoint

55 AV UNOCC_HeatingSetPoint

56 AV UNOCC_SA_CFM_SetPoint

57 AV UNOCC EA CFM SetPoint

IV RunHours_EnthalpyWheel

2 IV RunHours_SupplyBlower

B IV RunHours_ExhaustBlower

Al SupplyDryBulbTemperature

BV DefrostMode

BV Alarm_Airflow

62 BV Alarm_DrainPan

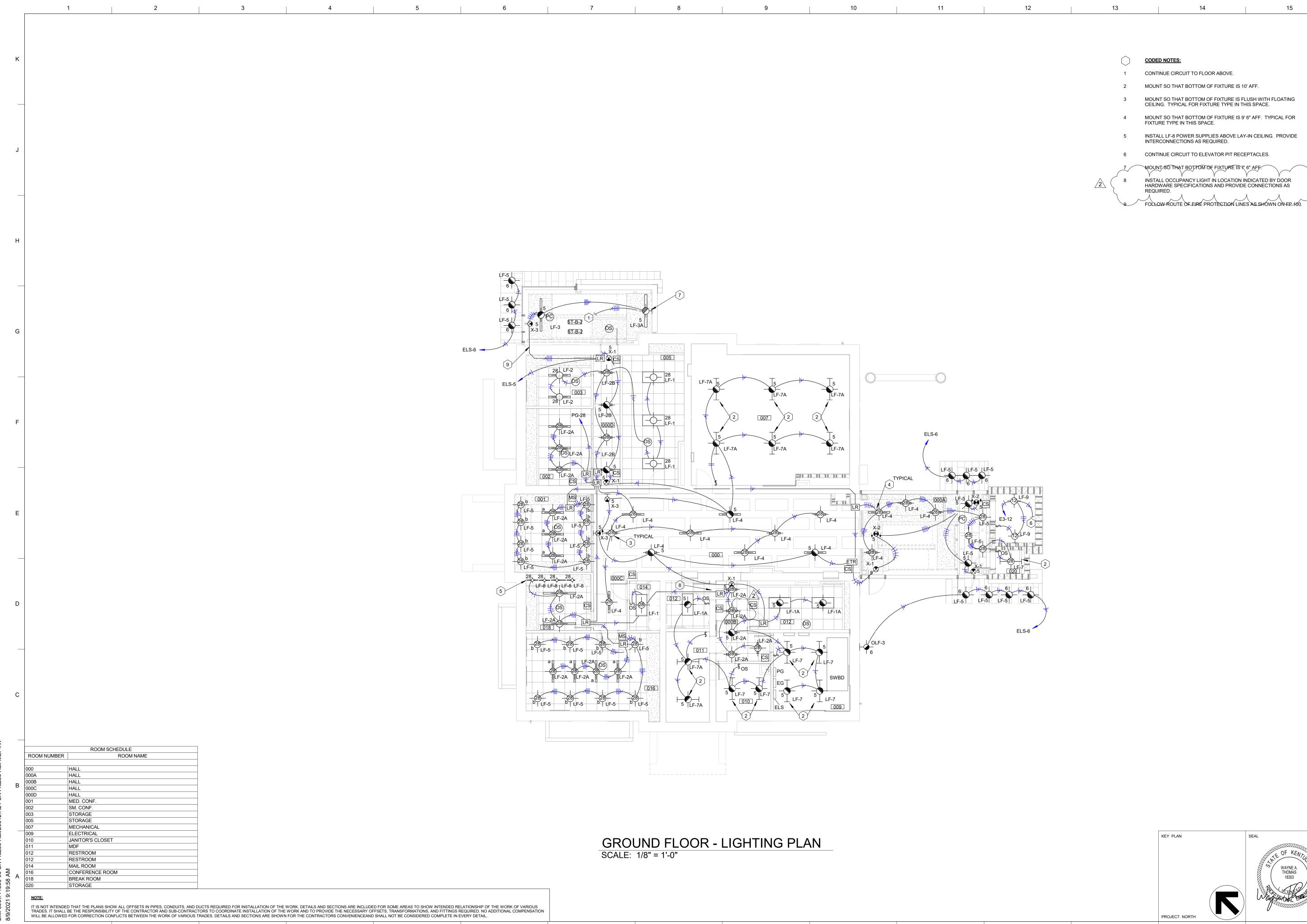
64 BV Alarm_DirtyAirFilter

BV Alarm_EmergencyShutdown

BV Alarm_CompressorHighPressure

GRAPHICS

PROJECT NORTH



SARGENT

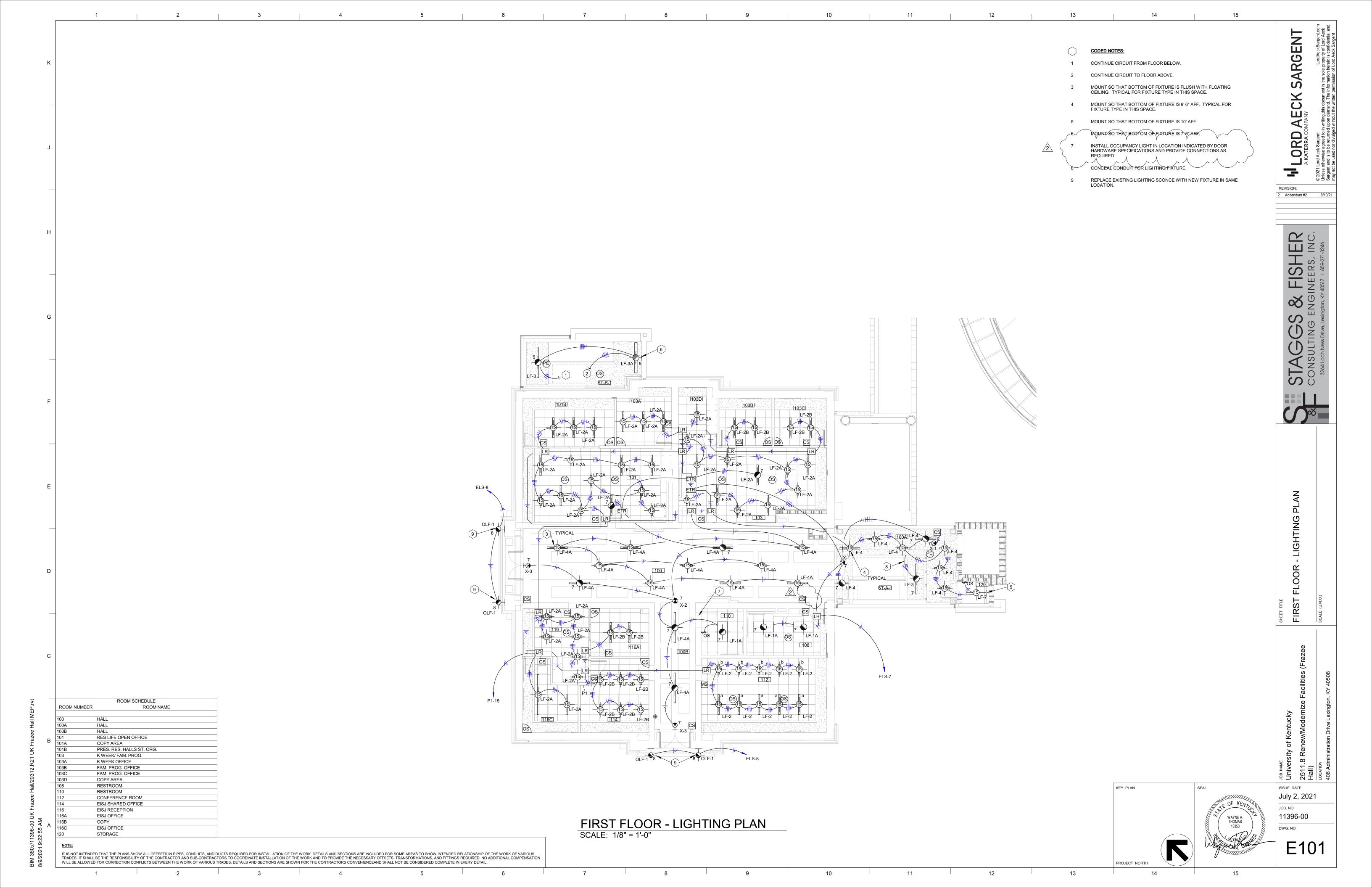
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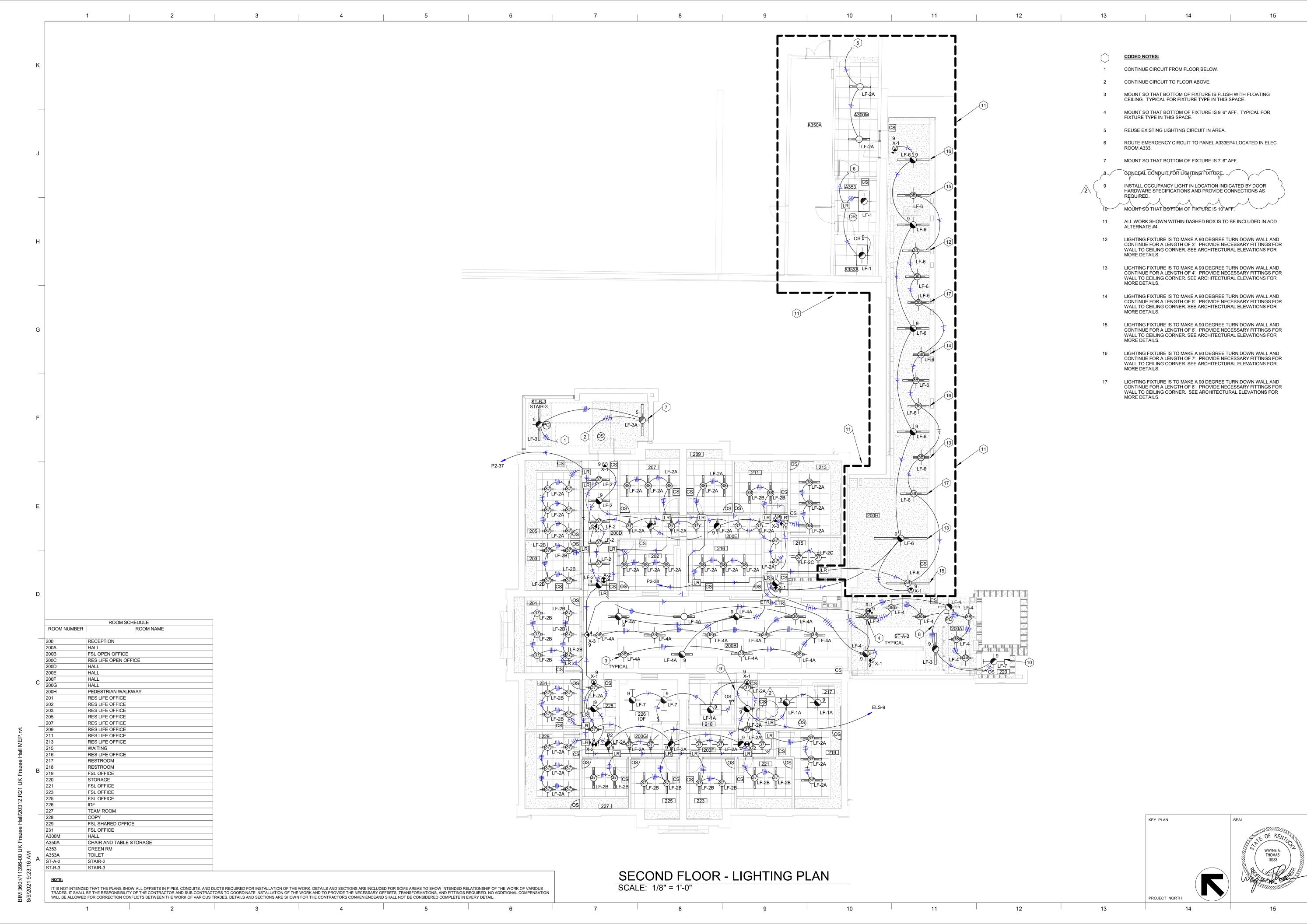
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REVISION:

Addendum #2 8/10/21

ISSUE DATE July 2, 2021 JOB. NO. 11396-00





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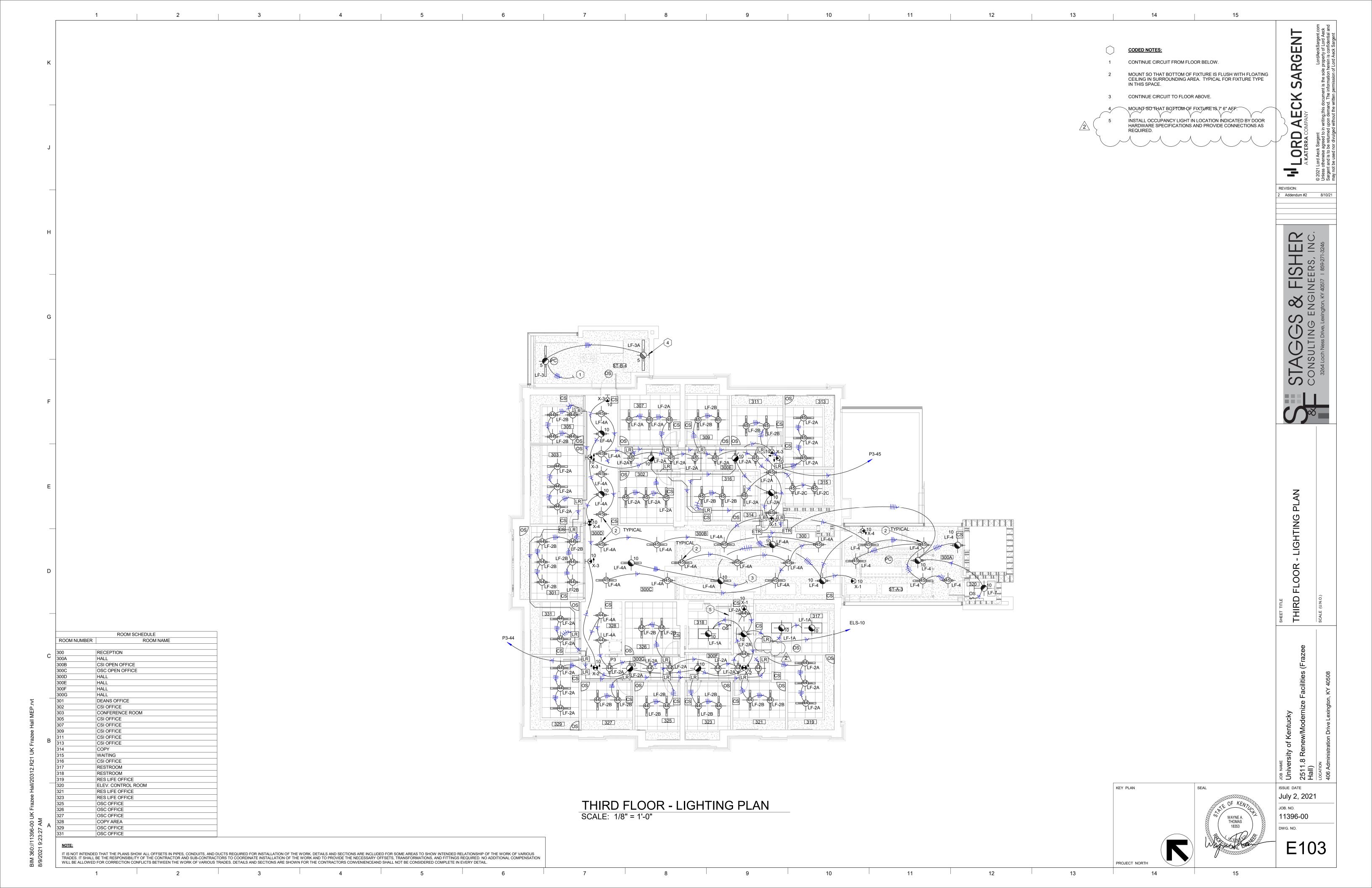
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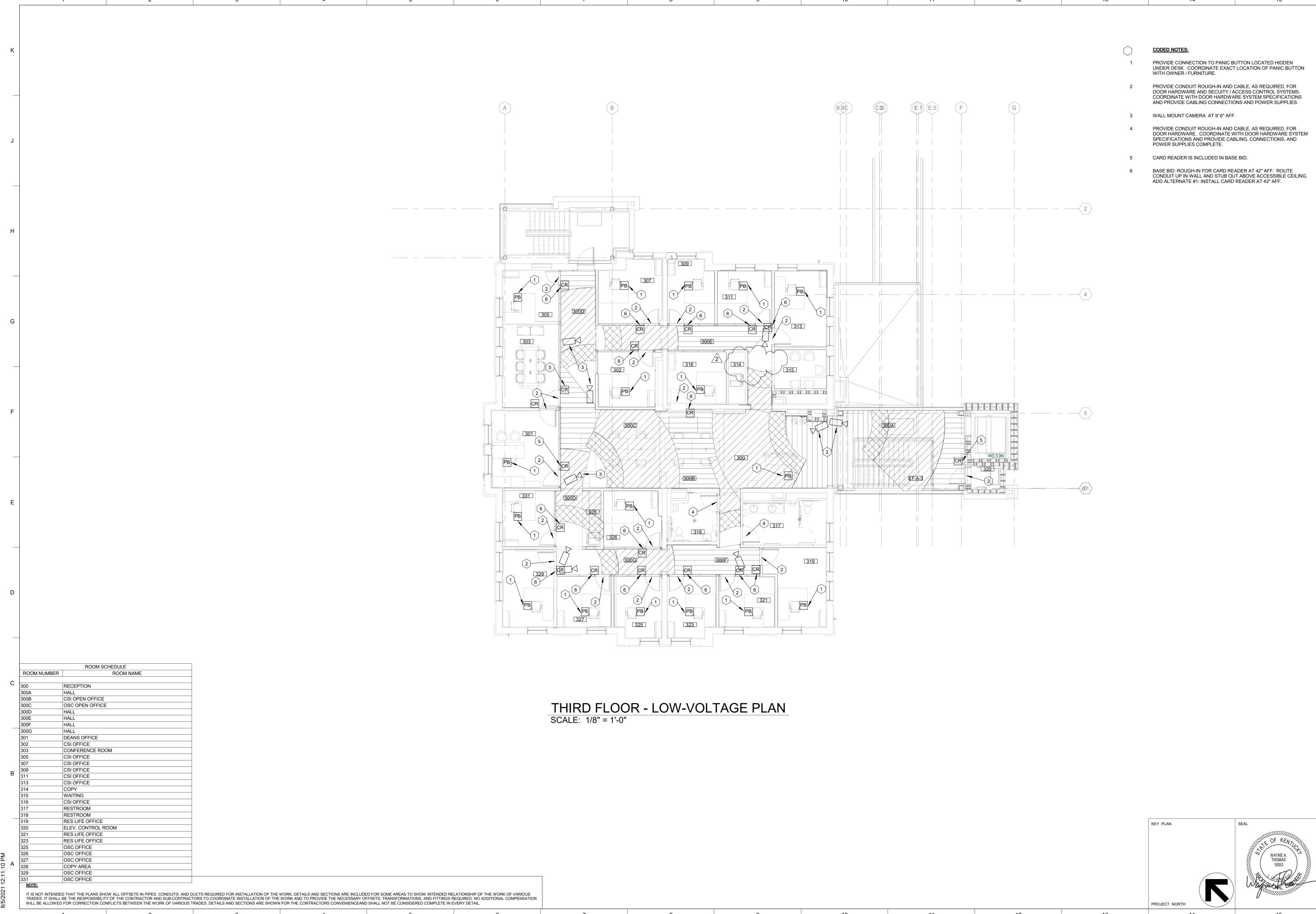
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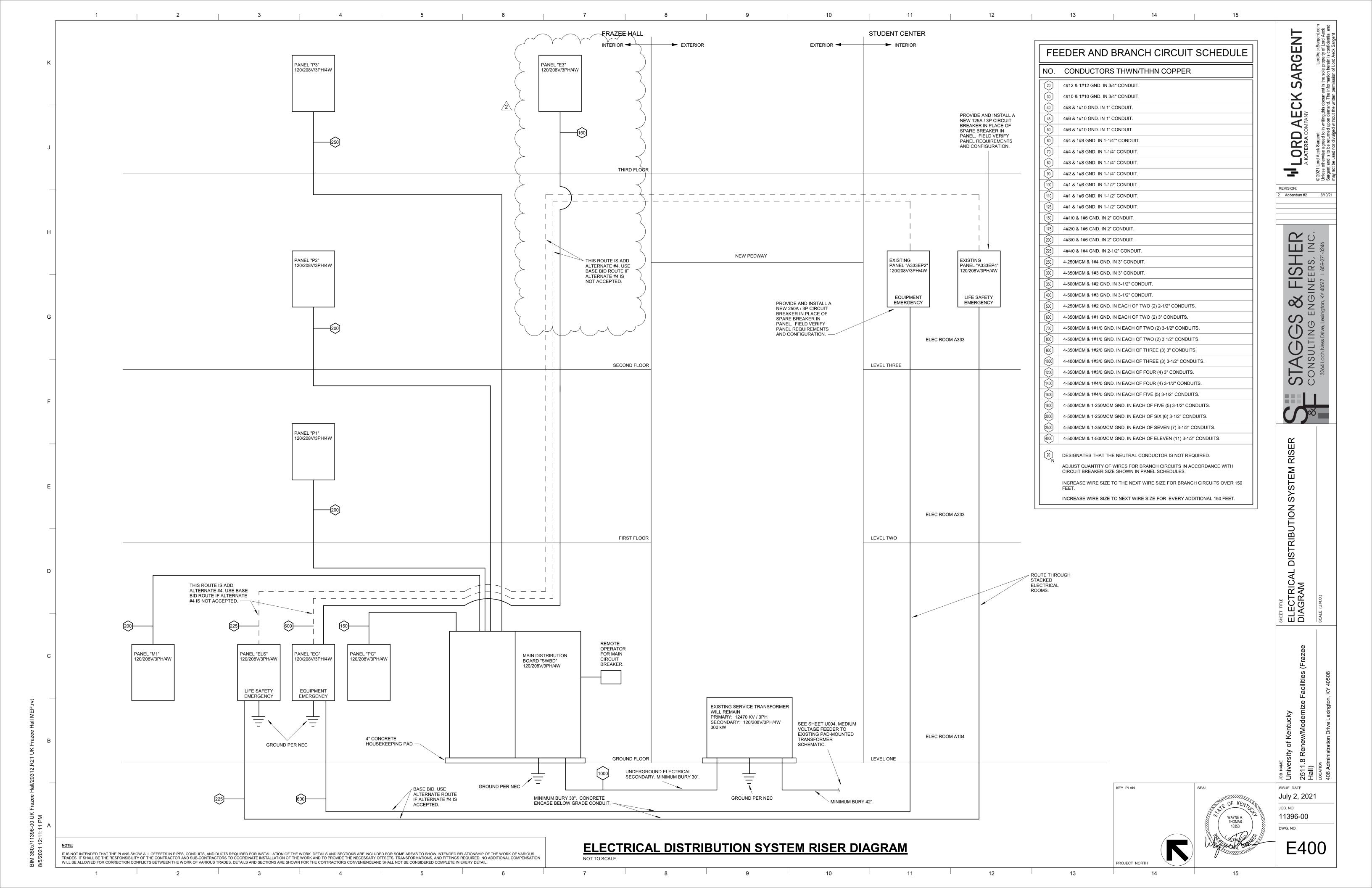




SARGENT SEC Y LORD Addendum #2 8/10/21

ISSUE DATE July 2, 2021 JOB. NO. 11396-00

DWG. NO.



PROJECT NAME	PROJECT NO.
University of Kentucky	11396-00
2511.8 Renew/Modernize Facilities	
(Frazee Hall)	
DATE OF MEETING	TIME
August 10, 2021	N/A
DISTRIBUTION	VIA
Matt Spalding, UK Procurement Manager	Email
Sandy Redmon, Project Manager, UK CPMD	
Chelsea Handling, Capital Construction Coordinator, UK CPMD	
K:\PROJECTS\11396-00\BIDDING\Substitutions\210810_Substitution-FILE: Requests_Memo.docx	Elisabeth Hunt, Karen Gravel, Nathan COPY: Miller

ITEMS

- Substitution Request 01: Specification 09 83 14 Acoustic Stretched-Fabric Wall and Ceiling Systems
 - J2 PET Acoustic Horizontal Cloud Frame and Acoustic Material:
 REJECTED, does not meet minimum 1" base requirement per specification
- Substitution Request 02: Specification 07 50 00 Membrane Roofing
 - Firestone KEE PVC Membrane Roofing with V-Force Vapor Barrier:
 REJECTED, per Section 2.03 materials to be provided by a single company.
 Vapor barrier submitted as part of assembly is not comparable to specified vapor barriers in specification.
- Substitution Request 03: Specification 08 80 00 Glazing
 - Safti First Fire Rated Glazing Products: ACCEPTED, included in Addendum
 #2 Specification 08 80 00 Section 2.04
- Substitution Request 04: Specification 10 14 00 Signage
 - 2/90 Sign Systems ARC Modular, Slide Modular, Answers Education Solutions, Glosigns: REJECTED, no product data included or other enclosures required per specification 01 62 03.
 - Appenx Architectural Signage Outsert Signs: REJECTED, no product data included or other enclosures required per specification 01 62 03.
- Substitution Request 05: Specification 07 95 13 Expansion Joint Cover Assemblies
 - Erie Metal Specialties, Inc ESFC for FJC and FJW: REJECTED, Wall cover is not comparable to 07 9513.FJW expansion joint cover.



- Erie Metal Specialties, Inc. EFLC for FJC2 and FRFJW: REJECTED, Floor cover submitted does not offer a 3" joint size as required at Pedestrian Walkway Detail A5/A526.
- Erie Metal Specialties, Inc. ALCP for FJC4: ACCEPTED, included in Addendum #2 Specification 07 95 13 Section 2.02 D.1.b
- Erie Metal Specialties, Inc. ALHCP for FJC3 and FRFJW2: REJECTED, Floor/Wall cover submitted does not offer fire blanket for 1-hour rating assembly as required in specification 07 9513.FRFJW2.
- Erie Metal Specialties, Inc. ELCD for FRWJC: REJECTED, cover submitted to be installed in dry wall applications per product specification. 07
 9513.FRWJC to be installed in adjacent existing masonry construction per detail J1/A527 and F10/A527
- Erie Metal Specialties, Inc. ELCH for WJC and CJC: REJECTED, covers no longer included in project. Removed from specification in Addendum #2.
- Substitution Request 06: Specification 10 22 19 Demountable Partitions
 - KI Genius, Evoke and Lightline: ACCEPTED, included in Addendum #2
 Specification 10 22 19 Section 2.01.
- Substitution Request 07: Details A7/A630 and D7/A630 Infill Bench Millwork
 - CSI Wall Panels Soundcore Folded Plug TF037: ACCEPTED, included in Addendum #2 Specification 09 84 30.
- Substitution Request 08: Specification 09 96 00 High Performance Coatings
 - Florock Floropoxy: REJECTED, product is not listed under Manufacturer
 Section 2.02.C indicates the products listed are to be provided.
- Substitution Request 09: Specification 07 50 00 Membrane Roofing
 - Sika Sarnafil Roofing: INCOMPLETE, substitution request from specification section 01 62 03 not submitted. Product data not submitted.

