



UNIVERSITY OF KENTUCKY Purchasing Division

INVITATION FOR BIDS

CCK-2516-21

ADDENDUM # 5

01/15/2021

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

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY 01-22-21 @ 3:00 P.M. LEXINGTON, KY TIME

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

- Please refer to and incorporate within the offer, the attached documents for Addendum 5.
 - Addendum #5 documents from Turner Construction Company and GBBN Architects Inc.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

Procurement Manager / (859) 323-5405

SIGNATURE

Typed or Printed Name

UK 5th Floor Patient Room Fit Out
ADDENDUM No. 5
CCK-2516-21
01/15/2021

Item No. 01 Re: Form of Proposal TC-182, Architectural Woodwork, Attachment B, revise item 24.a. to this contractors scope of work.

~~24.a. All CG-2 corner guards are to be from the floor to specified height in documents. Wall base will terminate to this.~~ CG-2 corner guards are to be two "L" shaped units fit to wall construction. Units to be installed above the specified wall base. (ADD #5)

Item No. 02 Re: Form of Proposal TC-181, General Trades, Attachment B, see updated revised scope of work.

Item No. 03 Re: Form of Proposal TC-190, Electrical and Technology, Attachment B, add the following allowance to this contractors scope of work:

Relocate Existing Cameras Allowance \$5,000 (ADD #5)

Item No. 04 Re: Form of Proposal TC-190, Electrical and Technology, Attachment B, Add item 74. to this contractors scope of work.

74) This contractor is to provide conduits for new Dock Leveler as shown on drawing A500 and E300. Contractor shall provide all wire and wire up new control panel. Contractor shall include running conduit to power panel. Assume a 60 foot conduit run from the power panel. Contractor shall include providing and installing a new breaker for the dock leveler and landing the wire. (ADD #5)

Item No. 05 Re: Form of Proposal TC-190, Electrical and Technology, Attachment B, Add item 75. to this contractors scope of work.

75) This contractor is to provide a full time on-site project superintendent to assist in the coordination of the project. This person is to have no labor responsibilities onsite. They shall be management only. (ADD #5)

Item No. 06 Re: Form of Proposal TC-184, Drywall and Ceilings, Attachment B, Add item 34. to this contractors scope of work.

34) This contractor shall provide RADIATION PROTECTION & RADIATION SHIELDING PLANS - (AS RELATED TO THIS SCOPE OF WORK) as shown on the Contract Documents and in accordance with Section 13 4900 Radiation Protection.

a) Include written safety plan on installation of lead board, lead patches, and lead lined frames. Provide all training for all workers required for implementation of the safety plan. Provide training source for other Trade Contractors to have their workers trained to work inside the barriers as needed.

b) Include all barriers and negative air machines associated with this work. Provide Daily Checklists and Weekly Reports on status of negative pressure in the barrier work areas.

c) Include providing sheet lead patches at penetrations created by other trades. This includes wrapping boxes installed in the wall.

d) Lead lined hollow metal frames are furnished by TC-183 Door and Hardware supplier and installed by this contractor TC-184 Drywall. TC-184 shall be responsible for the final performance / integrity of the radiation protection in these frames. Doors and door hardware are furnished by TC-183 Door and Hardware supplier and installed by TC-181 General Trades. TC-181 will provide and install glazing for these openings.

e) Perform field inspection and assist in testing in accordance with ALL Specifications and the UK Radiation Physicist for final acceptance of the rooms. Make any and all repairs as needed for final approval. (ADD #5)

Item No. 07 Re: Form of Proposal TC-183, Doors and Hardware, Attachment B, Add item 22. to this contractors scope of work.

22) This contractor shall furnish LEAD LINED DOORS AND FRAMES as shown on the Contract documents and in accordance with specification section 13 4900

a. This contractor shall provide the lead lined glass for any doors necessary. (ADD #5)

Item No. 08 GBBN Architects Addendum No. 05 – include all work scope items, clarifications, etc. as detailed consistent with your trade contract work scope document.

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL TC-181 GENERAL TRADES

Project No. 2402.9 Project Title: 5th Floor Fit Out

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: _____

TO: BID CLERK
 UNIVERSITY OF KENTUCKY
 CAPITAL CONSTRUCTION

 PROCUREMENT
 RM. 322 SERVICE BUILDING
 LEXINGTON, KY. 40506-0005

INVITATION TO BID: CCK-2516-21

BID OPENING DATE: January 22nd, 2021 (ADD #2)

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. Bidder understands that successful bidder will enter into a contract with Turner Construction Company utilizing Turner's Subcontract Agreement Form 36 without modification.

The Bidder hereby acknowledges receipt of the following Addenda:

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

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

NOTE: IN ADDITION TO THE SPECIFIC TRADE FORM OF PROPOSAL EACH SUBCONTRACTOR MUST ALSO SUBMIT FORMS FOUND IN THE SUPPLEMENTAL FORM OF PROPOSAL SECTION.

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

FORM OF PROPOSAL

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

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. **CCK-2516-21** 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 Turner Construction Company 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 _____ AREA CODE & PHONE _____

_____ FAX _____

CITY STATE ZIP CODE

DATE EMAIL

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

LUMP SUM PROPOSAL

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.

TC-181 GENERAL TRADES

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____) **BIDDER MUST TURN IN BID BREAKOUT SHEET WITH THIS FORM OF PROPOSAL**
(USE FIGURES)

ALTERNATES – NONE

Current Experience Modification Rating _____

OSHA Incident Rates: Recordable _____ Date of Proposal _____

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. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
3. 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)

4. Form of Proposal Supplemental Information
5. TC-____ Bid Breakout sheet (from Attachment 'B')

SUPERINTENDENT

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

List the Superintendent's Name _____

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL

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 will be required to complete and submit the following information with the bid. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

KY FAIRNESS ACT: UNIT PRICES SHALL BE SUBJECT TO REVIEW / ADJUSTMENT AT TIME OF BID REVIEW / AWARD BASED ON "NET COST" CONCEPT. PROVIDE DETAIL BREAKDOWN 24 HOURS AFTER BID.

HOURLY RATES:

Classification	Base rate	Fringes	Burden (Ins/taxes/other)	(if) (Pier Diems)	(SUM) (ST)	<u>UNIT PRICE</u>		OH/P % (5%)
						(SUM) (T&1/2)	(SUM) (DT)	
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Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

BID BREAKOUT

Fill in the following breakdown of costs included in your base bid. Each item is to include labor, material & equipment. These will not be considered unit prices nor will the numbers listed here limit obligations required in the bid documents. It will be used only to aid in verifying completeness of the bids.

<u>DESCRIPTION OF WORK</u>	<u>COST INCLUDED IN BID</u>
Engineering and Layout; Shop Drawings and Submittals; Permits and Fees	\$ _____
Mobilizations	\$ _____
Division 2-5: Selective Demolition, Misc. Metals	\$ _____
Division 6: Rough Carpentry	\$ _____
Division 7: Joint Sealants	\$ _____
Division 8: Doors, Frames and Hardware	\$ _____
Division 8: Aluminum Openings, Glazing	\$ _____
Division 10: Visual Display Boards, Toilet Compartments and Accessories, Cubicle Curtains, Fire Protection Specialties, Lockers, Etc.	\$ _____
Division 11: Install Medical Equipment and Owner Supplied Equipment	\$ _____
Division 12: Window Blinds, Roller Shades, Photo Murals	\$ _____
Loading Dock Canopy	\$ _____ (ADD #5)
Loading Dock Leveler	\$ _____ (ADD #5)
Temporary Construction Signage Allowance	\$ 7,500 _____
Infection Control Allowance	\$ 15,000 _____
Applied Fireproofing and Firestopping Patch	\$ 5,000 _____
Level 3 Existing Conditions Allowance	\$ 15,000 _____
Delivery Area Maintenance Allowance	\$ 10,000 _____
Safety and Housekeeping	\$ _____
General Work Requirements	\$ _____
Remaining work not listed above, Overhead & Profit (not to exceed 10% proposal)	\$ _____
<hr/>	
TOTAL BID AMOUNT (SHOULD MATCH PROPOSAL)	\$ _____
Cost of Performance and Payment Bond	\$ _____
<u>DO NOT INCLUDE THIS COST IN YOUR BID</u>	

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

Attachment A – Additional Provisions and Attachment B – (Technical) Scope of Work go together to define the requirements of this Subcontract. Attachment A is a more of a general Summary of the Contract Documents, Price, etc., while Attachment B is the Trade Specific (technical) Scope of Work.

The work of this Agreement shall include, but not be limited to, all labor, materials, apparatus, hoisting, rigging, tools, equipment, plant, supplies, accessories, samples, submittals, shop drawings, certifications, engineering, layout, transportation, storage, supervision, temporary construction, special services, contributions, insurance, taxes (unless specifically excluded by the Contract Documents), compliance with all governing agencies (city, county, state, federal and others as may be required), permits, fees, all other services and facilities and other items necessary for the performance of the **Fire Protection Work** as shown, detailed and/or implied in the contract documents outlined in the General Scope of Work.

The Scope of Work Document is being provided for your use as a general guideline. Please note, this Document is not all-inclusive. It is this Subcontractor's responsibility to provide a complete bid, including all work for this trade indicated on ALL of the contract documents (include plans, specifications, Bid Manual, etc.). It is this Subcontractor's responsibility for the entire scope of this Bid Package and coordination between all trades.

E) WORK INCLUDED - SCOPE-SPECIFIC ITEMS

1) Trade Specifications Specifically Included, but not limited to the following:

- a) **DIVISION 00 – PROCUREMENT & CONTRACTING REQUIREMENTS (ALL SECTIONS)**
DIVISION 01 – GENERAL REQUIREMENTS (ALL SECTIONS)

<u>DIVISION 5</u>	<u>METALS</u>
SECTION 05 5000	METAL FABRICATIONS
<u>DIVISION 6</u>	<u>WOODS, PLASTICS & COMPOSITES</u>
SECTION 06 1050	MISCELLANEOUS ROUGH CARPENTRY
<u>DIVISION 7</u>	<u>THERMAL & MOISTURE PROTECTION</u>
SECTION 07 8100	APPLIED FIREPROOFING – PATCHING (PARTIAL)
SECTION 07 8400	FIRESTOPPING (PARTIAL)
SECTION 07 9200	JOINT SEALANTS (PARTIAL)
<u>DIVISION 8</u>	<u>OPENINGS</u>
SECTION 08 1100	HOLLOW METAL DOORS AND FRAMES
SECTION 08 1400	WOOD DOORS
SECTION 08 4243	ICU / CCU ENTRANCES
SECTION 08 7100	DOOR HARDWARE
SECTION 08 7100.1	DOOR HARDWARE SETS
SECTION 08 7100.2	ELECTRIFIED HARDWARE DEVICE OPERATIONS SCHEDULE
SECTION 08 7100.3	DOOR HARDWARE-sample wire diagram
SECTION 08 7113	AUTOMATIC DOOR OPERATORS
SECTION 08 8000	GLAZING (PARTIAL)
<u>DIVISION 9</u>	<u>FINISHES</u>
SECTION 09 0600.1	SCHEDULE FOR FINISHES
SECTION 09 0600.2	MATERIAL AND COLOR SCHEDULE
<u>DIVISION 10</u>	<u>SPECIALTIES</u>
SECTION 10 1100	VISUAL DISPLAY SURFACES
SECTION 10 2113	TOILET COMPARTMENTS

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

SECTION 10 2120	CUBICLE CURTAIN TRACK SYSTEMS
SECTION 10 2813	TOILET ROOM ACCESSORIES
SECTION 10 4400	FIRE PROTECTION SPECIALTIES
SECTION 10 5113	METAL LOCKERS
SECTION 10 5116	WOOD LOCKERS

DIVISION 11 **EQUIPMENT**

SECTION 11 1300	LOADING DOCK EQUIPMENT (COMPLETE) (ADD #5)
SECTION 11 4000	FOOD SERVICE EQUIPMENT (BLOCKING)
SECTION 11 7000	MEDICAL EQUIPMENT (INSTALLATION)

DIVISION 12 **FURNISHINGS**

SECTION 12 2400	ROLLER WINDOW SHADES
SECTION 12 5000	HEALTHCARE CASEWORK AND FURNITURE (BLOCKING)

DIVISION 13 **SPECIAL CONSTRUCTION**

SECTION 13 3400	FABRICATED ENGINEERED STRUCTURES (COMPLETE)
SECTION 13 4900	RADIATION PROTECTION (ADD #5)

- b) This Trade Contractor is also responsible for trade specifications not specifically listed above but required by reference in the listed specifications or as required to perform the scope of work described herein, as well as the Division 0 and Division 1 specifications and the use of the Construction Documents as a whole.
- c) Subcontractor includes all work indicated in specification, unless this scope of work specifically and clearly excludes a portion of a specification.
- 2) Contract Price is LUMP SUM. There shall be NO additional labor and material escalations allowed
 - 3) Examination of Site – Subcontractor warrants that they have sufficiently reviewed the project site to inform themselves of all items about existing site that are relevant to their work, and the cost of their work.
 - 4) Include protection all adjacent structures during performance of this work. Plan for protection of adjacent structures must be part of the overall plan submitted for approval prior to start of work
 - 5) **SITE LOGISTICS:** Refer to the Site Logistics plans included in the Contract Documents. Delivery trucks are to be scheduled with Turner at least one (1) week in advance. See Attachment P for delivery days/times.
 - 6) Subcontractor change order requests shall be provided with sufficient detail (as acceptable to Turner) to allow for satisfactory review. Subcontractor shall be allowed a maximum mark up for overhead and profit per the markup provisions included in the Subcontract Agreement, or as clarified in Contract Documents above
 - 7) Subcontractor understands that **time is of the essence** in the prosecution of Work under this agreement.
 - 8) **Verify layout provided by others.** Where this subcontractor is performing work using layout provided by others, this subcontractor shall perform sufficient verification of that layout to reasonably ascertain the validity of that layout. Any deficiencies (or suspected deficiencies found) shall be reported to Turner immediately to allow corrections as needed before start of work by this subcontractor.
 - 9) All Subcontractors must be licensed as required by local, State, or Federal jurisdiction required for work of this trade in this project location
 - 10) This Subcontractor will comply with Turner's corporate safety policy and comply with Site Specific Safety Plan that will include but is not limited to 100% tie-off above 6 feet, 100% Safety Glasses, High Visibility Vests or High Vis style T-Shirts with reflective strips, 100% glove policy, Ladders Last Policy and Nothing Hits the Ground. If you are unfamiliar with any of these policies please ask to see the policy prior to submitting your bid. Failure to be familiar with these policies will not exclude you from complying with them.

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

- 11) Refer to Project General Work Requirements" in volume one of the project manual. Any costs for work scope items listed in this section shall be included in your lump sum bid. Some work items are listed for specific trade contractors and they shall include those costs in their respective total lump sum bid price.
- 12) Condoc keynote legend will dictate your scope of work unless noted otherwise.
- 13) This Trade Contractor shall participate in the construction of on-site **mock-ups** as specified and indicated by the documents and/or noted elsewhere. This shall include providing of materials required for this trade contract scope of work, coordinating with other trade contractors with regard to sequencing of installations and protection of materials etc..., furnishing shop drawings and /or setting drawings and so on. Materials for in place or interim mock-ups shall be secured in advance of normal procurement to allow for ALL trade contractor installations, owner/designer and user reviews and evaluations, meetings, approvals and directive if applicable. Mockups are understood to start with arrangement of wall rough-in through complete room finishes.
- 14) This contractor shall provide **METAL FABRICATIONS** (COMPLETE) as shown on the Contract Documents, and in accordance with section 05 5000.
- a. ~~Specifically reference the installation of TAG 289 ICU BOOM SUPPORTS in Volume 4 and Vendor drawings for ACCU-MOUNT SUPPORT SYSTEM. Steel materials are provided by Owner; Contractor to receive, transport, and install materials as outlined. Include providing all fasteners and equipment required for installation and patching all fireproofing affected by installation of supports. (receiving booms and patching fireproofing) (ADD #3)~~
 - b. This contractor to specifically provide and install channel at knee walls in waiting areas, see DETAIL 11/A939.
 - c. This contractor to provide and install fixed length pipe support (Chief – SMS Series Fixed Length Columns) extending below ceiling shown on drawing 4/A721. Coordinate exact length with Construction Manager.
 - d. This contractor to specifically provide and install jamb support assemblies per detail 35/A613
 - e. This includes providing and installing all items 05-5000 items on drawing A500. (ADD #5)
- 15) This contractor shall provide **MISCELLANEOUS ROUGH CARPENTRY** (PARTIAL) as shown on the Contract Documents and in accordance with section 06 1050 which includes but not limited to:
- a. All blocking required (where explicitly shown on the Contract Documents or not) for "your" divisions of work and installation of items in this scope of work.
 - b. All blocking required and/or shown on contract documents for section door hardware, accessories, television installations, 10 1400 Signage, 11 7000 "Medical Equipment", 12 2400 Window blinds, 12 5000 Healthcare Casework and Furniture.
 - c. This includes base of wall blocking at bottom of all wall partitions per "typical base detail" on drawing A601. Assume blocking for base of wall detail will be **metal strapping** mounted to face of stud just above bottom track.
 - d. Special "T-blocking" will be required at ALL GCX tracks. Coordinate with construction manager for details.
- 16) This contractor shall provide **APPLIED FIREPROOFING** (PATCHING) (as related to this scope of work) as shown on the Contract Documents and in accordance with section 07 8110. See Allowance for Patching for locations not associated with this work scope.
- 17) This contractor shall provide **FIRESTOPPING** (PATCHING) (as related to this scope of work) as shown on the Contract Documents and in accordance with section 07 8100. See Allowance for Patching for locations not associated with this work scope.
- 18) This contractor shall provide **JOINT SEALANTS** (as related to this scope of work) as shown on the Contract Documents and in accordance with section 07 9200
- a. Specifically, at all aluminum openings provided by this contractor, TC-181.
- 19) This contractor shall receive, shake-out, store as required and install all **WOOD DOORS** as shown on the Contract Documents and in accordance with section 08 1400 for:
- a. Install all doors and hardware. Doors, frames and hardware are furnished by TC-183 Doors and Hardware; doors are pre-hardwired to the extent noted under TC-183 Doors and Hardware scope of work. Remove and reinstall various pieces of hardware to allow the TC-187 Painting. MEP contractors to make final wiring connections.
 - b. Frames mounted in GWB partitions will be installed by TC-184 Drywall and Ceilings.
 - c. This contractor shall receive, shake-out, and install any hollow metal frames not in a drywall (gypsum wall) partition.

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

- 20) This contractor shall provide **ICU / CCU ENTRANCES** (COMPLETE) as shown on the Contract Documents and in accordance with section 08 4243.
- TC-183 Doors and Hardware to provide hardware per spec 087100.1.
- 21) This contractor shall receive, shake-out, store as required, inventory and install all **DOOR HARDWARE, ELECTRIFIED HARDWARE DEVICE OPERATIONS SCHEDULE, DOOR HARDWARE SETS, DOOR HARDWARE SAMPLE DIAGRAM** (COMPLETE) as shown on the Contract Documents and in accordance with section 08 7100, 08 7100.90 and 08 7100.91, 08 7100.92 and conveyed here in:
- Reference TC-183 Doors and Hardware scope of work for specifics on **"*PRE-INSTALLED HARDWARE: Doors shall be shipped FOB jobsite with pre-installed hardware*."**
 - Discard all packaging, skids, etc. to site dumpster unless instructed otherwise by hardware/door supplier.
 - This contractor to include installation of "loose" hardware into the frame and not include as "pre-installed" such as devices mounted on/in the frame (i.e. shear locks, door contact) or after the door is mounted (i.e. closer). Coordinate installation with TC-190 Electrical and Technology contractor.
 - Include shimming of all doors to maintain required gap per hospital standards which is no larger than 1/8" between door leaves (or similar). Shims to be included (shipped loose) by TC-183 Doors and Hardware contractor.
 - Contractor to include 100 Overtime hours of door adjustment. This shall be monitored by the CM and used at their discretion. This shall include frame adjustment, bondo of frame, adjustment of door, etc.
- 22) This contractor shall provide **AUTOMATIC DOOR OPERATORS** (COMPLETE) as shown on the Contract Documents and in accordance with section 08 7113.
- 23) This contractor shall provide **GLAZING** (PARTIAL) as shown on the Contract Documents and in accordance with section 08 8000.
- Glazing in Wood Doors will be by TC-183 Doors and Hardware.** Reference A611 and A613. This Trade contractor to furnish and install **ALL** other glazing per section 08 8000.
 - This includes furnishing and installing glazing track in lobby waiting areas – DETAIL 11/A939
 - This includes removing existing spandrel glass in the public waiting lobby A05100, providing new GL-1 glass, and installing new GL-1 glass per drawing V11.1. Contractor to include any weatherproofing needed in the interim between the removal of the existing glass and the installation of the new glass. Contractor shall include verifying drawing dimensions in the field. (ADD #5)**
- 24) This contractor shall provide **SCHEDULE FOR FINISHES** (as related to this scope of work) as shown on the Contract Documents and in accordance with section 09 0600.1.
- 25) This contractor shall provide **MATERIAL AND COLOR SCHEDULE** (as related to this scope of work) as shown on the Contract Documents and in accordance with section 09 0600.2.
- 26) ALL trade contractors shall coordinate/incorporate the **ROOM FINISH SCHEDULES** into their scope of work as shown on the Contract Documents.
- 27) This contractor shall provide blocking and install **VISUAL DISPLAY SURFACES** (COMPLETE) as shown on the Contract Documents and in accordance with section 10 1100. This includes blocking for and installation of owner furnished items noted in section 01 2500.
- 28) This contractor shall provide **TOILET COMPARTMENTS** (COMPLETE) as shown on the Contract Documents and in accordance with section 10 2113.
- 29) This contractor shall provide blocking and **CUBICAL CURTAIN TRACK SYSTEM** (COMPLETE) as shown on the Contract Documents and in accordance with section 10 2120. Refer to section 01 2500 for additional information for this work.
- 30) This contractor shall provide **TOILET ROOM ACCESSORIES** (COMPLETE) as shown on the Contract Documents and in accordance with section 10 2813. This includes blocking for and installation of owner furnished items noted in section 01 2500.
- 31) This contractor shall provide **FIRE PROTECTION SPECIALTIES** (COMPLETE) as shown on the Contract Documents and in accordance with section 10 4400. Coordinate quantity of cabinets with Life Safety drawings.
- 32) This contractor shall provide **LOCKERS** (COMPLETE) as shown on the Contract Documents and in accordance with section 10 5113 (Metal Lockers) and 10 5116 (Wood Lockers).

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

- 33) This contractor (TC-181) shall receive, shake-out, store on an existing shell floor (coordinate with CM) and install (set) **MEDICAL EQUIPMENT AND OWNER FURNISHED ITEMS (COMPLETE)** as shown on the Contract Documents and in accordance with section 11 7000 and specification sections 01 2500. See Volume 4 for clarification of owner furnished/contractor installed (OFCI); and owner furnished and installed items (OFOI). This contractor to provide all blocking, fasteners, supports, etc. to install this work scope.
- a. The following are clarifications to this work scope:
 - i. Tag EQ154 – TC-189 Plumbing and Mechanical contractor to install utility hook-up.
 - ii. Tag EQ300 – Light installed by **TC-190** Electrical and Technology contractor (**ADD #5**)
 - iii. Electrical hookup for Hand Dryer is by TC-190 Electrical and Technology contractor
 - b. This contractor to include installation of Stryker Wireless "bed" locator with extension spacer (OFCI) at all patient rooms. This is generally installed at the center of the bed at (or near) the top of the rubber base. Coordinate with construction manager.
 - c. This contractor (TC-181) to receive and install wireless clocks. Reference Condoc note 11 7000-A135 and the equipment manual.
 - d. Witness delivery of equipment to jobsite. Inspect all equipment prior to unloading and identify in writing and damage observed. Notify Turner immediately upon discovery of any and all manufacturing flaws, missing components or damaged parts; include documentation and pictures. Missing equipment shall be noted on the packing slip at time of delivery.
- 34) This contractor shall provide **ROLLER WINDOW SHADES (COMPLETE)** as shown on the Contract Documents and in accordance with section 12 2400 and **ROLLER WINDOW SHADE SCHEDULE (COMPLETE)** in accordance with section 12 2400.
- a. This contractor to provide side channels if required for blackout shades.
 - b. This contractor to account for any misc. framing needed to install blocking for roller shades at the existing curtain wall locations.
- 35) This contractor is to furnish, install, maintain for duration, and remove all (including glue residue) **TEMPORARY PROTECTION** as described below
- a. **Elevator protection** on floor/ door/frames and cab for construction use of PCF elevators - one(1) Service elevator and one(1) "big-boy" construction car shaft. Protection on frame includes threshold, jambs and head every stop for this project.. Protection of elevator cab is walls and ceiling. Includes installation and maintenance of all protection for locations as needed to support project.
 - i. Provide and maintain thick mil plastic covering over **ALL** elevator openings on the 5th floor to prevent dust from getting into the elevator shafts
 - b. Masonite **door protection** for all **current existing doors** to remain after construction is complete. Protect doors upon mobilizing to site.
 - c. Masonite **floor protection** for existing 3rd floor Patient Elevator Lobby. Furnish and install new masonite floor protection for the Patient Elevator Lobby on the 3rd floor. This includes taping of all seams and edges. Include maintenance as required through the completion of the project. Remove when directed by Construction Manager. Assume 450 sqft.
 - d. Cardboard sheet **door protection** for all **NEW wood doors** for the entire project. Install heavy cardboard protection upon installation of new doors and so that subsequent work activities have access to door features.
 - e. Provide protection at **all headwalls** to protect new headwall installation from damage. Install 2" rigid foam board on face of headwall. Include all necessary fasteners and supports. Coordinate with vendor on method of attachment. Assume for each headwall: initial install of protection, two separate removal/re-install of protection, and removal/dispose of protection prior to punchlist.
 - f. TC-181 to include vacuuming and cleaning of the headwall interiors, and bed pan cabinets prior to punch list activities.
 - g. "Saran wrap" protection around the Stryker booms in the ICU areas. Contractor to install this protection for travel to the floors and re-installation of this wrap after the boom installation is completed by the owner's contractor. The purpose is to keep dirt, dust, etc. from entering the boom structure, etc.
 - h. Provide, maintain and remove when no longer required a temporary guardrail system at shaft AM08 in Area C to facilitate raising of Supply Air duct. Reference M205C for location.

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

- 36) This contractor to provide man lift mid rail platforms. Platform can be constructed out of wood 2x material. Platform shall be 12" wide and built in such a manner as to not allow the platform to slide out of the lift. Assume enough material for 30 lifts.
- 37) This contractor to provide monthly **professional photographs** of the interior construction each month at the direction of the Turner Superintendent utilizing MultiVista. Photos to provide interior progression, and slide shows. Views to include floor, walls, and ceiling progression. Photos are due to Turner before the 25th of the month. Only electronic versions are required and Turner will be the owner of the files and have all rights to the electronic media. No cell phone photos. Photos shall be of professional service quality.
- 38) This contractor is to maintain permanent door and temporary hardware at exterior stair #A02S05 (South-west corner of building) door at project entry on Ground Floor. Reference SK-102 for location. Include necessary maintenance on panic hardware and battery replacement for electronic key pad lockset.
- 39) This contractor is to maintain two (2) lockable HM double doors and frames (8' wide opening) in rated partitions at drywall partitions on the **third floor** for contractor access (ref. SK104 for location). TC-181 to remove doors and frame replace gypsum wall and wall rails back and base to original condition at project completion (including any fire stopping and painting). Replace current door hardware (with like hardware) at each door at the start of this project.
- 40) This contractor is to provide and maintain a floor scrubbing/sucking machine (sim. to Global® Auto Floor Scrubber 26") for the duration of the project to be used by all contractors, cleanup crew, etc. This machine's primary function is to be available to cleanup an accidental water leak from construction activity. TC-181 will be responsible for maintaining an adequate charge of this machine's battery.
- 41) This contractor shall also include maintenance for the existing "Red Scrubber" for the duration of the project. The scrubber is a Factory Cat Mini HD.
- 42) This contractor shall provide five (5) temporary handwashing stations for the duration of the 5th floor project (14 months).
- 43) This contractor to shall include \$10,000 for product reproduction / production of temporary wayfinding, safety signage, and other project communications.
- 44) This contractor to supply the following safety items: six (6) boxes of safety glasses (sim. to "Pyramex Intruder model with clear lens"); four (4) boxes per month of shoe cover (sim. to Dupont model #FC450SGY00020000); and once per month (16-months total) service for Two (2) onsite first aid boxes using Zee Medical Company.
- 45) This contractor to include \$5,000 for receiving and unloading Pneumatic Tube materials and misc. structural modifications for Pneumatic Tube system supplied by TC-191 P-Tube Contractor.
- 46) This contractor shall provide **LOADING DOCK EQUIPMENT (COMPLETE)** as shown on the Contract Documents and in accordance with section 11 1300. Contractor shall assume that all work associated with this portion of the scope will be completed during OFF HOURS.
- a. Contractor shall set up and maintain temporary barriers around the extent of construction inside of the existing loading dock, including a roof, for the duration of this work. This contractor shall include any additional enclosures needed as demolition progresses to keep the work area weather tight. Contractor shall also provide traffic cones and chain to block loading bay 6 off from loading bay 5. Assume barrier to run the length and width of loading bay 6.
 - b. This includes saw cutting and removing of existing concrete and subgrade down to elevation needed for installation of dock leveler. Contractor shall remove of all debris immediately after demolition. Include demolition needed to "key" new concrete into existing concrete as shown on 7/A500. Include removal of existing dock bumpers and seals.
 - c. This includes compacting new grade, doweling new bars into existing concrete, setting and tying in new rebar system, forming up new pit, and placing new concrete as shown on A500.
 - d. Contractor shall coordinate with TC-190 Electrical and Technology for routing of conduit and size of conduit needed for dock leveler system. (ADD #5)
- 47) This contractor shall provide **FABRICATED ENGINEERED STRUCTURES (COMPLETE)** as shown on the Contract Documents and in accordance with section 13 3400. Contractor shall assume that all work associated with this portion of the scope will be completed during OFF HOURS.
- a. Contractor shall include all work required to install a working downspout system off of canopy per detail 8/A500. This
 - b. Contractor shall provide all labor, materials, equipment, equipment rental, rigging, safety systems for elevated work space, elevated work training, rigging training and planning required for installation of the canopy.
 - c. Contractor shall protect existing structure, elevators, handrails, window, door, concrete, auxiliary oxygen box, and light fixtures during the duration of this work. Contractor shall coordinate with the construction manager on the phasing of this protection.

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

d. Contractor is to include bolting or welding of nuts in place for through bolts per detail 6/A500. (ADD #5)

48) This contractor is to include all labor and material need to refinish all of the existing elevator sills on the 5th floor to a like new condition. (ADD #5)

49) This contractor shall coordinate with TC-184 Drywall and Ceiling Contractor and RADIATION PROTECTION (Partial) as shown on the Contract Documents and in accordance with Section 13 4900 for any doors and hardware installed within this scope. (ADD #5)

F. CONSTRUCTION SCHEDULE

Contract Price is based on the project schedule included in the bid manual and as clarified within these Additional Provisions.

G. WORK EXCLUDED

This Scope of Work shall exclude the following

- 1) Payment & Performance Bond
- 2) Blocking for millwork and casework.
- 3) Sealants for Hollow Metal Frames including HM windows are by TC-187 (Painting). (ADD #5)
- 4) Concrete for MEP equipment housekeeping pads.

H. ALTERNATE PRICES

Alternates shall be complete for providing only the Work with no other credits. All alternate prices are to be priced as stand-alone alternates. Any number of alternates, or no alternates, may be accepted as part of this Work.

Indicate Add/Deduct Price on the BID FORM

- 1) None

I. ALLOWANCES

The following Allowances **are to be included in the base bid**:

1) Temporary Construction Signage Allowance	\$ 7,500
2) Infection Control Allowance	\$ 15,000
3) Applied Fireproofing and Firestopping Patching	\$ 5,000
4) Level 3 Existing Conditions Allowance	\$ 15,000
5) Delivery Area Maintenance Allowance	\$ 10,000

The above allowances are to be included in the base bid/Subcontract Price. All overhead and profit related to the Work performed under each Allowance is to be included in the Base Bid/Subcontract Price. Only direct Labor and Material costs authorized in writing by the Construction Manager after approval by the Owner are to be charged to the Allowance. Progress Payments will be made against Allowance expenditures, based on approved monthly invoices & writing Allowance Authorization from the Construction Manager/Owner. Any unused funds remaining in these allowances will be credited back to the Project.

J. UNIT PRICES

The following unit prices are applicable for changes in the Work. The unit prices are for Work complete and in place and include all costs such as material, labor, equipment, freight, taxes, insurance, fringe benefits, and overhead and profit. Also include costs for coordination with other trades work where applicable. In the event the unit prices quoted exceed industry standards or fair market value, the Turner reserves the right to request pricing for changes at cost plus allowable mark-up for overhead and profit or a lump-sum under the terms of the Agreement

- 1) Labor Rates - Submit detailed labor rates to Turner Project Manager for approval. Detail shall show all fringes, benefits, taxes, insurance, markups, and any other add-ons to allow verification of rate.
 - See "Form of Proposal" (Bid Form) for bid day information. The apparent low bidder will submit detailed breakdown with-in 24 hours after bid day.

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

- 2) Equipment Rates – Submit detailed rates for equipment that may be used on project, and may be part of change order pricing.

END OF TECHNICAL SCOPE OF WORK

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

FORM OF PROPOSAL
SUPPLEMENTAL INFORMATION

THE FOLLOWING INFORMATION PERTAINS TO ALL TRADE CONTRACTORS

NOTE: MUST BE SUBMITTED WITH THE BID SUBMITTAL.
Failure to comply will result in rejection of Bidder's Proposal.

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.

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 | |

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

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.

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 nonresponsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

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.

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. Goal is 10% MBE/WBE

- 1. Minority and Women Subcontractors

- 2. Minority and Women Material Suppliers

This proposal includes _____% certified MBE participation

This proposal includes _____% certified WBE participation

If your firm has no minority or women owned subcontractors or suppliers, it is required that you complete the list of minority and/or women owned businesses below. List the names of firms that were solicited to bid the project and describe why they were not successful (i.e. not low bid, did not respond, etc).

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

LIST OF MATERIALS AND EQUIPMENT

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC- _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF TRADE CONTRACT)

The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

ITEM	MATERIALS AND EQUIPMENT	BRAND OR MANUFACTURER
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Attachment "B"
SCOPE OF WORK
TC-181 – GENERAL TRADES

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC - _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF BID CATEGORY)

DIVISION OF WORK

NAME AND ADDRESS OF SUBCONTRACTOR

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL TC-182 ARCHITECTURAL WOODWORK

Project No. 2402.9 Project Title: 5th Floor Fit Out

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: _____

TO: BID CLERK
 UNIVERSITY OF KENTUCKY
 CAPITAL CONSTRUCTION

 PROCUREMENT
 RM. 322 SERVICE BUILDING
 LEXINGTON, KY. 40506-0005

INVITATION TO BID: CCK-2516-21

BID OPENING DATE: January 22nd, 2021 (ADD #2)

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. Bidder understands that successful bidder will enter into a contract with Turner Construction Company utilizing Turner's Subcontract Agreement Form 36 without modification.

The Bidder hereby acknowledges receipt of the following Addenda:

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

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

NOTE: IN ADDITION TO THE SPECIFIC TRADE FORM OF PROPOSAL EACH SUBCONTRACTOR MUST ALSO SUBMIT FORMS FOUND IN THE SUPPLEMENTAL FORM OF PROPOSAL SECTION.

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

FORM OF PROPOSAL

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

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. **CCK-2516-21** 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 Turner Construction Company 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 _____ AREA CODE & PHONE _____

CITY STATE ZIP CODE FAX _____

DATE _____ EMAIL _____

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

LUMP SUM PROPOSAL

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.

TC-182 ARCHITECTURAL WOODWORK

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____) **BIDDER MUST TURN IN BID BREAKOUT SHEET WITH THIS FORM OF PROPOSAL**
(USE FIGURES)

ALTERNATE No. 2

Provide a deduct for material to use owner provided wall protection per description in Specification 01 2300.

DEDUCT \$ _____

ALTERNATE No. 3

Provide an add for material to fabricate, deliver, and install all 12-3100-A002 Solid Surface Countertops, Backsplashes, and Sidesplashes.

ADD \$ _____

ALTERNATE No. 4

Provide an add for labor and any material needed to install owner provided casework as detailed in item 27 below and specifications 12 3100 and 12 3216.

ADD \$ _____

Breakout:

Material \$ _____

Labor \$ _____

(ADD #4)

Current Experience Modification Rating _____

OSHA Incident Rates: Recordable _____ Date of Proposal _____

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. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
3. **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)

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

4. Form of Proposal Supplemental Information
5. TC-_____ Bid Breakout sheet (from Attachment 'B')

SUPERINTENDENT

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

List the Superintendent's Name _____

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL

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 will be required to complete and submit the following information with the bid. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

KY FAIRNESS ACT: UNIT PRICES SHALL BE SUBJECT TO REVIEW / ADJUSTMENT AT TIME OF BID REVIEW / AWARD BASED ON "NET COST" CONCEPT. PROVIDE DETAIL BREAKDOWN 24 HOURS AFTER BID.

HOURLY RATES:

Classification	Base rate	Fringes	Burden (Ins/taxes/other)	(if) (Pier Diems)	(SUM) (ST)	<u>UNIT PRICE</u>		OH/P % (5%)
						(SUM) (T&1/2)	(SUM) (DT)	
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Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

BID BREAKOUT

Fill in the following breakdown of costs included in your base bid. Each item is to include labor, material & equipment. These will not be considered unit prices nor will the numbers listed here limit obligations required in the bid documents. It will be used only to aid in verifying completeness of the bids.

<u>DESCRIPTION OF WORK</u>	<u>COST INCLUDED IN BID</u>
Mobilizations/Engineering, Shop Drawings and Submittals, Safety	\$ _____
Wall Blocking/Rough Carpentry	\$ _____
Architectural Woodwork	\$ _____
Solid Surface Fabrications	\$ _____
Wall Protection – Wood Handrails and Crashrails	\$ _____
Wall Protection – all remaining in spec less above	\$ _____
Stainless Steel Counters	\$ _____
Modular Metal Casework	\$ _____ (ADD#4)
Owner Furnished Equipment	\$ _____
Associated Sealants	\$ _____
General Work Requirements	\$ _____
Remaining work not listed above, Overhead & Profit (not to exceed 10% proposal)	\$ _____
<hr/>	
TOTAL BID AMOUNT (SHOULD MATCH PROPOSAL)	\$ _____
Cost of Performance and Payment Bond <u>DO NOT INCLUDE THIS COST IN YOUR BID</u>	\$ _____

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

Attachment A – Additional Provisions and Attachment B – (Technical) Scope of Work go together to define the requirements of this Subcontract. Attachment A is a more of a general Summary of the Contract Documents, Price, etc., while Attachment B is the Trade Specific (technical) Scope of Work.

The work of this Agreement shall include, but not be limited to, all labor, materials, apparatus, hoisting, rigging, tools, equipment, plant, supplies, accessories, samples, submittals, shop drawings, certifications, engineering, layout, transportation, storage, supervision, temporary construction, special services, contributions, insurance, taxes (unless specifically excluded by the Contract Documents), compliance with all governing agencies (city, county, state, federal and others as may be required), permits, fees, all other services and facilities and other items necessary for the performance of the **Fire Protection Work** as shown, detailed and/or implied in the contract documents outlined in the General Scope of Work.

The Scope of Work Document is being provided for your use as a general guideline. Please note, this Document is not all-inclusive. It is this Subcontractor's responsibility to provide a complete bid, including all work for this trade indicated on ALL of the contract documents (include plans, specifications, Bid Manual, etc.). It is this Subcontractor's responsibility for the entire scope of this Bid Package and coordination between all trades.

E) WORK INCLUDED - SCOPE-SPECIFIC ITEMS

1) Trade Specifications Specifically Included, but not limited to the following:

- a) **DIVISION 00 – PROCUREMENT & CONTRACTING REQUIREMENTS (ALL SECTIONS)**
DIVISION 01 – GENERAL REQUIREMENTS (ALL SECTIONS)

<u>DIVISION 6</u>	<u>WOODS, PLASTICS AND COMPOSITES</u>
SECTION 06 1050	MISCELLANEOUS ROUGH CARPENTRY
SECTION 06 4000	ARCHITECTURAL WOODWORK
SECTION 06 6116	SOLID SURFACING FABRICATIONS

<u>DIVISION 7</u>	<u>THERMAL & MOISTURE PROTECTION</u>
SECTION 07 8110	APPLIED FIREPROOFING – PATCHING (PARTIAL)
SECTION 07 8400	FIRESTOPPING (PARTIAL)
SECTION 07 9200	JOINT SEALANTS

<u>DIVISION 9</u>	<u>FINISHES</u>
SECTION 09 0600.1	SCHEDULE OF FINISHES
SECTION 09 0600.2	MATERIAL AND COLOR SCHEDULE
SECTION 09 7700	SPECIAL WALL SURFACES
SECTION 09 7700.1	SPECIAL WALL PROTECTION SCHEDULE

<u>DIVISION 10</u>	<u>SPECIALTIES</u>
SECTION 10 2600	WALL PROTECTION

<u>DIVISION 12</u>	<u>FURNISHINGS</u>
SECTION 12 3100	MODULAR METAL CASEWORK (PARTIAL) (ADD #4)
SECTION 12 3113	STAINLESS STEEL COUNTERS
SECTION 12 3216	MANUFACTURED PLASTIC LAMINATE CLAD CASEWORK

(ADD #4)

<u>DIVISION 13</u>	<u>SPECIAL CONSTRUCTION</u>
SECTION 13 4275	INTEGRATED INTERIOR ASSEMBLIES

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

- b) This Trade Contractor is also responsible for trade specifications not specifically listed above but required by reference in the listed specifications or as required to perform the scope of work described herein, as well as the Division 0 and Division 1 specifications and the use of the Construction Documents as a whole.
- c) Subcontractor includes all work indicated in specification, unless this scope of work specifically and clearly excludes a portion of a specification.
- 2) Contract Price is LUMP SUM. There shall be NO additional labor and material escalations allowed
- 3) Examination of Site – Subcontractor warrants that they have sufficiently reviewed the project site to inform themselves of all items about existing site that are relevant to their work, and the cost of their work.
- 4) Include protection all adjacent structures during performance of this work. Plan for protection of adjacent structures must be part of the overall plan submitted for approval prior to start of work
- 5) **SITE LOGISTICS:** Refer to the Site Logistics plans included in the Contract Documents. Delivery trucks are to be scheduled with Turner at least one (1) week in advance. See Attachment P for delivery days/times.
- 6) Subcontractor change order requests shall be provided with sufficient detail (as acceptable to Turner) to allow for satisfactory review. Subcontractor shall be allowed a maximum mark up for overhead and profit per the markup provisions included in the Subcontract Agreement, or as clarified in Contract Documents above
- 7) Subcontractor understands that **time is of the essence** in the prosecution of Work under this agreement.
- 8) Verify layout provided by others. Where this subcontractor is performing work using layout provided by others, this subcontractor shall perform sufficient verification of that layout to reasonably ascertain the validity of that layout. Any deficiencies (or suspected deficiencies found) shall be reported to Turner immediately to allow corrections as needed before start of work by this subcontractor.
- 9) All Subcontractors must be licensed as required by local, State, or Federal jurisdiction required for work of this trade in this project location
- 10) This Subcontractor will comply with Turner's corporate safety policy and comply with Site Specific Safety Plan that will include but is not limited to 100% tie-off above 6 feet, 100% Safety Glasses, High Visibility Vests or High Vis style T-Shirts with reflective strips, 100% glove policy, Ladders Last Policy and Nothing Hits the Ground. If you are unfamiliar with any of these policies please ask to see the policy prior to submitting your bid. Failure to be familiar with these policies will not exclude you from complying with them.
- 11) **Refer to Project General Work Requirements** in volume one of the project manual. Any costs for work scope items listed in this section shall be included in your lump sum bid. Some work items are listed for specific trade contractors and they shall include those costs in their respective total lump sum bid price.
- 12) Condoc keynote legend will dictate your scope of work unless noted otherwise.
- 13) This Trade Contractor shall participate in the construction of on-site **mock-ups** as specified and indicated by the documents and/or noted elsewhere. This shall include providing of materials required for this trade contract scope of work, coordinating with other trade contractors with regard to sequencing of installations and protection of materials etc..., furnishing shop drawings and /or setting drawings and so on. Materials for in place or interim mock-ups shall be secured in advance of normal procurement to allow for ALL trade contractor installations, owner/designer and user reviews and evaluations, meetings, approvals and directive if applicable. Mockups are understood to start with arrangement of wall rough-in through complete room finishes.
- 14) This contractor shall provide **MISCELLANEOUS ROUGH CARPENTRY (PARTIAL)** as shown on the Contract Documents and in accordance with section 06 1050 which includes but not limited to:
- a. All wood and metal blocking required for attachment of work in your scope.
- b. This contractor is to provide all Blocking required (whether explicitly shown on the Contract Documents or not) for the installation of items in this scope of work.
- 15) This contractor shall provide **ARCHITECTURAL WOODWORK (COMPLETE)** as shown on the Contract Documents and in accordance with section 06 4000.
- 16) This contractor shall provide **SOLID SURFACING FABRICATIONS (COMPLETE)** as shown on the Contract Documents and in accordance with section 06 6116.

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

- 17) This contractor shall provide **APPLIED FIREPROOFING** (PATCHING) (as related to this scope of work) as shown on the Contract Documents and in accordance with section 07 8116.
- 18) This contractor shall provide **FIRESTOPPING** (PATCHING) (as related to this scope of work) as shown on the Contract Documents and in accordance with section 07 8400.
- 19) ALL trade contractors shall provide **JOINT SEALANTS** (as related to this scope of work) as shown on the Contract Documents and in accordance with section 07 9200.
- a. Note specification section 01 2500 for clarification of owner furnished and installed items, Provide sealants for owner furnished items installed by this trade contractor.
 - b. Include sealants indicated on documents as applicable for this scope of work to contiguous surfaces.
 - c. Specifically this contractor to seal all Midmark, or Plastic laminate-clad casework cabinets and all owner furnished/owner installed items in patient rooms (example ORI furniture and staff cabinets) and all owner installed PPE cabinets in corridors.
- 20) ALL trade contractors shall coordinate/incorporate the **SCHEDULE FOR FINISHES** (as related to this scope of work) into their scope of work as shown on the Contract Documents and in accordance with section 09 0600.1.
- 21) ALL trade contractors shall coordinate/incorporate the **MATERIAL & COLOR SCHEDULE** (as related to this scope of work) into their scope of work as shown on the Contract Documents and in accordance with section 09 0600.2.
- 22) ALL trade contractors shall coordinate/incorporate the **ROOM FINISH SCHEDULES** into their scope of work as shown on the Contract Documents.
- 23) This contractor shall provide **SPECIAL WALL SURFACES** (COMPLETE) as shown on the Contract Documents and in accordance with section 09 7700 and 09 7700.1 (Schedule). This includes all blocking required for installation.
- 24) This contractor shall provide **WALL PROTECTION** (COMPLETE) as shown on the Contract Documents and in accordance with section 10 2600. This contractor is to include caulking the edges of all metal corner guards with clear silicone caulk.
- a. ~~All CG-2 corner guards are to be from the floor to specified height in documents. Wall base will terminate to this. CG-2 corner guards are to be two "L" shaped units fit to wall construction. Units to be installed above the specified wall base. (ADD #5)~~
- 25) This contractor shall receive, shake-out and install (set) **OWNER EQUIPMENT** as shown on the Contract Documents and in accordance with sections of this scope of work and/or specification section 01 2500 for clarification of owner furnished and installed items.
- 26) This contractor shall provide **STAINLESS STEEL COUNTERS** (COMPLETE) as shown on the Contract Documents and in accordance with section 12 3113.
- ~~27) This contractor shall receive and install **MODULAR METAL CASEWORK OR PLASTIC LAMINATE CLAD CASEWORK** (includes furnished counter tops, etc) as shown on the Contract Documents and in accordance with section 12-3100 or 12-3216. Currently the owner is receiving quotes from vendors for both spec sections (12-3100 and 12-3216). The Owner will choose only one vendor meaning only one spec section will apply.~~
- a. ~~Refer to article 2.2.A of specification section 12-3100 for clarity of work and as follows.~~
 - b. ~~If casework base cabinets (12-3100 or 12-3216) are present, then countertop is by Owner's Vendor, either laminate or solid surface. Respective to 12-3100 or 12-3216 scope of counter tops, vendor will furnish four foot countertop wall cleats in open base cabinet wall areas for counter attachment to TC-182. This contractor to include epoxy (Solid Surfacing) welded seaming of Vendor counter tops. This contractor to provide tips, adhesive, and adhesive gun.~~
 - c. ~~The owner's vendor will deliver material to a Pavilion A shell space (figure Pavilion A basement location for bidding purposes) and unpack or un-wrap each component. TC-182 is to verify with owner's vendor that all materials are of correct specification and to the shop drawing with installing contractor ensuring free of defects or damage. With acknowledgement from TC-182 that materials are complete, TC-182 becomes responsible the remainder of the work – this includes: protection of received materials, delivery to the project~~

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

~~floors, room shake-out, assemble, installation including any additional "filler" trim, adjustment of doors, drawers, etc.~~

- ~~d. This contractor is to include installation of Vendor sloping tops and Metal Foot Rail at charting stations.~~
- ~~e. This contractor is to provide all fasteners necessary to install section 12 3100 and all items within this scope of work.~~
- ~~f. This contractor shall provide all sealants as required with the installation of this scope of work.~~
- ~~g. This contractor shall provide all required in wall blocking (section 06 1050). This includes top and bottom of wall cabinets. In addition to the hanging rail, attach each wall unit with fastener(s) at the bottom (required).~~
- ~~h. This contractor to furnish, install, maintain, secure, and remove temporary protection (Masonite type material) at charting station base cabinets until Corian countertops are installed. Purpose is to prevent excessive dirt and dust from entering the cabinets. Provide RAM Board or Builder Board like protection to Corian tops (ADD #4)~~

- 28) Provide removable panels shown on documents or required in accordance with documents for MEP rough-in or access. Provide all "Architectural Woodwork" cut-ins.
- 29) Provide and install grommets every 24 inches or as written in the project specifications on every counter, work station top, etc. (including 12 3100 or 12 3216 provided materials). This includes appropriate hole and grommet cover, color to be coordinated with Construction Manager, at locations coordinated with Project Superintendent.

F. CONSTRUCTION SCHEDULE

Contract Price is based on the project schedule included in the bid manual and as clarified within these Additional Provisions.

G. WORK EXCLUDED

This Scope of Work shall exclude the following

- 1) Payment & Performance Bond

H. ALTERNATE PRICES

Alternates shall be complete for providing only the Work with no other credits. All alternate prices are to be priced as stand-alone alternates. Any number of alternates, or no alternates, may be accepted as part of this Work.

Indicate Add/Deduct Price on the BID FORM

- 2) Wall Protection: Reference specification section 01 2300.3.1.C – TC-182 shall review material during pre-bid walk through. TC-182 will be responsible to transport off-site, install any necessary final finishes to the product per section 06 4000, and transport back to site as needed for installation.
- 3) Solid Surface Fabrications: Reference specification section 01 2300.3.1.A – TC-182 would provide and install solid surface counter tops, back splashes, and sidesplashes for spec section 12 3100 or spec section 12 3216 and necessary cleating to support counter tops. Base cabinets and upper cabinets would still be by vendor.
- 4) Install Owner Provided Casework

I. ALLOWANCES

The following Allowances **are to be included in the base bid**:

- 1) None

The above allowances are to be included in the base bid/Subcontract Price. All overhead and profit related to the Work performed under each Allowance is to be included in the Base Bid/Subcontract Price. Only direct Labor and

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

Material costs authorized in writing by the Construction Manager after approval by the Owner are to be charged to the Allowance. Progress Payments will be made against Allowance expenditures, based on approved monthly invoices & writing Allowance Authorization from the Construction Manager/Owner. Any unused funds remaining in these allowances will be credited back to the Project.

J. UNIT PRICES

The following unit prices are applicable for changes in the Work. The unit prices are for Work complete and in place and include all costs such as material, labor, equipment, freight, taxes, insurance, fringe benefits, and overhead and profit. Also include costs for coordination with other trades work where applicable. In the event the unit prices quoted exceed industry standards or fair market value, the Turner reserves the right to request pricing for changes at cost plus allowable mark-up for overhead and profit or a lump-sum under the terms of the Agreement

- 1) Labor Rates - Submit detailed labor rates to Turner Project Manager for approval. Detail shall show all fringes, benefits, taxes, insurance, markups, and any other add-ons to allow verification of rate.
 - See "Form of Proposal" (Bid Form) for bid day information. The apparent low bidder will submit detailed breakdown with-in 24 hours after bid day.
- 2) Equipment Rates – Submit detailed rates for equipment that may be used on project, and may be part of change order pricing.

END OF TECHNICAL SCOPE OF WORK

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

FORM OF PROPOSAL
SUPPLEMENTAL INFORMATION

THE FOLLOWING INFORMATION PERTAINS TO ALL TRADE CONTRACTORS

NOTE: MUST BE SUBMITTED WITH THE BID SUBMITTAL.
Failure to comply will result in rejection of Bidder's Proposal.

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.

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 | |

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

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.

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 nonresponsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

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.

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. Goal is 10% MBE/WBE

- 1. Minority and Women Subcontractors

- 2. Minority and Women Material Suppliers

This proposal includes _____% certified MBE participation

This proposal includes _____% certified WBE participation

If your firm has no minority or women owned subcontractors or suppliers, it is required that you complete the list of minority and/or women owned businesses below. List the names of firms that were solicited to bid the project and describe why they were not successful (i.e. not low bid, did not respond, etc).

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

LIST OF MATERIALS AND EQUIPMENT

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC- _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF TRADE CONTRACT)

The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

ITEM	MATERIALS AND EQUIPMENT	BRAND OR MANUFACTURER
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Attachment "B"
SCOPE OF WORK
TC-182 – ARCHITECTURAL WOODWORK

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC - _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF BID CATEGORY)

DIVISION OF WORK

NAME AND ADDRESS OF SUBCONTRACTOR

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL TC-183 DOORS AND HARDWARE

Project No. 2402.9 Project Title: 5th Floor Fit Out

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: _____

TO: BID CLERK
 UNIVERSITY OF KENTUCKY
 CAPITAL CONSTRUCTION

 PROCUREMENT
 RM. 322 SERVICE BUILDING
 LEXINGTON, KY. 40506-0005

INVITATION TO BID: CCK-2516-21

BID OPENING DATE: January 22nd, 2021 (ADD #2)

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. Bidder understands that successful bidder will enter into a contract with Turner Construction Company utilizing Turner's Subcontract Agreement Form 36 without modification.

The Bidder hereby acknowledges receipt of the following Addenda:

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

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

NOTE: IN ADDITION TO THE SPECIFIC TRADE FORM OF PROPOSAL EACH SUBCONTRACTOR MUST ALSO SUBMIT FORMS FOUND IN THE SUPPLEMENTAL FORM OF PROPOSAL SECTION.

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

FORM OF PROPOSAL

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

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. **CCK-2516-21** 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 Turner Construction Company 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 _____ AREA CODE & PHONE _____

_____ FAX _____

CITY _____ STATE _____ ZIP CODE _____

DATE _____ EMAIL _____

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

LUMP SUM PROPOSAL

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.

TC-183 DOORS AND HARDWARE

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____) **BIDDER MUST TURN IN BID BREAKOUT SHEET WITH THIS FORM OF PROPOSAL**
(USE FIGURES)

ALTERNATES – NONE

Current Experience Modification Rating _____

OSHA Incident Rates: Recordable _____ Date of Proposal _____

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. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
3. 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)

4. Form of Proposal Supplemental Information
5. TC-____ Bid Breakout sheet (from Attachment 'B')

SUPERINTENDENT

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

List the Superintendent's Name _____

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL

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 will be required to complete and submit the following information with the bid. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

KY FAIRNESS ACT: UNIT PRICES SHALL BE SUBJECT TO REVIEW / ADJUSTMENT AT TIME OF BID REVIEW / AWARD BASED ON "NET COST" CONCEPT. PROVIDE DETAIL BREAKDOWN 24 HOURS AFTER BID.

HOURLY RATES:

Classification	Base rate	Fringes	Burden (Ins/taxes/other)	(if (Pier Diems)	(SUM) (ST)	UNIT PRICE		OH/P % (5%)
						(SUM) (T&1/2)	(SUM) (DT)	
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Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

BID BREAKOUT

Fill in the following breakdown of costs included in your base bid. Each item is to include labor, material & equipment. These will not be considered unit prices nor will the numbers listed here limit obligations required in the bid documents. It will be used only to aid in verifying completeness of the bids.

<u>DESCRIPTION OF WORK</u>	<u>COST INCLUDED IN BID</u>
Engineering & Layout, Shop Drawings and Submittals, Coordination Drawings	\$ _____
Qualifies Hardware Consultant	\$ _____
SECTION 08 1100 HOLLOW METAL DOORS & FRAMES	\$ _____
SECTION 08 2100 WOOD DOORS	\$ _____
SECTION 08 7100 HARDWARE	\$ _____
SECTION 08 8000 GLAZING (including integral blinds)	\$ _____
Door Frame Repair Allowance	\$ 7,500 _____
General Work Requirements	\$ _____
Remaining work not listed above, Overhead & Profit (not to exceed 10% proposal)	\$ _____
<hr/>	
TOTAL BID AMOUNT (SHOULD MATCH PROPOSAL)	\$ _____
Cost of Performance and Payment Bond	\$ _____
<u>DO NOT INCLUDE THIS COST IN YOUR BID</u>	

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

Attachment A – Additional Provisions and Attachment B – (Technical) Scope of Work go together to define the requirements of this Subcontract. Attachment A is a more of a general Summary of the Contract Documents, Price, etc., while Attachment B is the Trade Specific (technical) Scope of Work.

The work of this Agreement shall include, but not be limited to, all labor, materials, apparatus, hoisting, rigging, tools, equipment, plant, supplies, accessories, samples, submittals, shop drawings, certifications, engineering, layout, transportation, storage, supervision, temporary construction, special services, contributions, insurance, taxes (unless specifically excluded by the Contract Documents), compliance with all governing agencies (city, county, state, federal and others as may be required), permits, fees, all other services and facilities and other items necessary for the performance of the **Doors and Hardware Work** as shown, detailed and/or implied in the contract documents outlined in the General Scope of Work.

The Scope of Work Document is being provided for your use as a general guideline. Please note, this Document is not all-inclusive. It is this Subcontractor's responsibility to provide a complete bid, including all work for this trade indicated on ALL of the contract documents (include plans, specifications, Bid Manual, etc.). It is this Subcontractor's responsibility for the entire scope of this Bid Package and coordination between all trades.

E) WORK INCLUDED - SCOPE-SPECIFIC ITEMS

1) Trade Specifications Specifically Included, but not limited to the following:

- a) **DIVISION 00 – PROCUREMENT & CONTRACTING REQUIREMENTS (ALL SECTIONS)**
DIVISION 01 – GENERAL REQUIREMENTS (ALL SECTIONS)

DIVISION 8	OPENINGS
SECTION 08 1100	HOLLOW METAL DOORS & FRAMES
SECTION 08 1400	WOOD DOORS
SECTION 08 4243	ICU/CCU ENTRANCES (PARTIAL)
SECTION 08 7100	DOOR HARDWARE
SECTION 08 7100.1	DOOR HARDWARE SETS – 5 th Floors
SECTION 08 7100.2	ELECTRIFIED HARDWARE DEVICE OPERATIONS SCHEDULE
SECTION 08 7100.3	SAMPLE WIRE DIAGRAMS
SECTION 08 8000	GLAZING (PARTIAL)

DIVISION 13 **SPECIAL CONSTRUCTION**
SECTION 13 4900 **RADIATION PROTECTION (ADD #5)**

- b) This Trade Contractor is also responsible for trade specifications not specifically listed above but required by reference in the listed specifications or as required to perform the scope of work described herein, as well as the Division 0 and Division 1 specifications and the use of the Construction Documents as a whole.
- c) Subcontractor includes all work indicated in specification, unless this scope of work specifically and clearly excludes a portion of a specification.
- 2) Contract Price is LUMP SUM. There shall be NO additional labor and material escalations allowed
- 3) Examination of Site – Subcontractor warrants that they have sufficiently reviewed the project site to inform themselves of all items about existing site that are relevant to their work, and the cost of their work.
- 4) Include protection all adjacent structures during performance of this work. Plan for protection of adjacent structures must be part of the overall plan submitted for approval prior to start of work
- 5) **SITE LOGISTICS:** Refer to the Site Logistics plans included in the Contract Documents. Delivery trucks are to be scheduled with Turner at least one (1) week in advance. See Attachment P for delivery days/times.

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

- 6) Subcontractor change order requests shall be provided with sufficient detail (as acceptable to Turner) to allow for satisfactory review. Subcontractor shall be allowed a maximum mark up for overhead and profit per the markup provisions included in the Subcontract Agreement, or as clarified in Contract Documents above
- 7) Subcontractor understands that **time is of the essence** in the prosecution of Work under this agreement.
- 8) Verify layout provided by others. Where this subcontractor is performing work using layout provided by others, this subcontractor shall perform sufficient verification of that layout to reasonably ascertain the validity of that layout. Any deficiencies (or suspected deficiencies found) shall be reported to Turner immediately to allow corrections as needed before start of work by this subcontractor.
- 9) All Subcontractors must be licensed as required by local, State, or Federal jurisdiction required for work of this trade in this project location
- 10) This Subcontractor will comply with Turner's corporate safety policy and comply with Site Specific Safety Plan that will include but is not limited to 100% tie-off above 6 feet, 100% Safety Glasses, High Visibility Vests or High Vis style T-Shirts with reflective strips, 100% glove policy, Ladders Last Policy and Nothing Hits the Ground. If you are unfamiliar with any of these policies please ask to see the policy prior to submitting your bid. Failure to be familiar with these policies will not exclude you from complying with them.
- 11) **Refer to Project General Work Requirements** in volume one of the project manual. Any costs for work scope items listed in this section shall be included in your lump sum bid. Some work items are listed for specific trade contractors and they shall include those costs in their respective total lump sum bid price.
- 12) Condoc keynote legend will dictate your scope of work unless noted otherwise.
- 13) This Trade Contractor shall participate in the construction of on-site **mock-ups** as specified (Specification Section 01 4000) and indicated by the documents and/or noted elsewhere. This shall include providing of materials required for this trade contract scope of work, coordinating with other trade contractors with regard to sequencing of installations and protection of materials etc..., furnishing shop drawings and /or setting drawings and so on. Materials for in place or interim mock-ups shall be secured in advance of normal procurement to allow for ALL trade contractor installations, owner/designer and user reviews and evaluations, meetings, approvals and directive if applicable. Mockups are understood to start with arrangement of wall rough-in through complete room finishes. At a minimum, a mockup for each type of Patient Room will be constructed.
- 14) This contractor shall furnish **HOLLOW METAL FRAMES** (FOB jobsite) as shown on the Contract Documents and in accordance with specification section 08 1100
 - a. **Storage** of door frames will not be allowed on the project site. Contractor to ship frames at direction of construction manager for immediate installation by the TC-184 Drywall and Ceilings contractor. This TC-183 Doors and Hardware contractor shall estimate no more than ten (10) frames will be in one delivery.
- 15) This contractor shall furnish **WOOD DOORS** (with PRE-INSTALLED HARDWARE*) as shown on the Contract Documents and in accordance with specification section 08 2100.
 - a. Undercutting of doors will be required - coordinate the exact dimension with Turner Project Superintendent.
 - b. This contractor is to provide a shim pack for all door openings (shipped loose with each door package). Provide shims appropriate for each type of hinge for use by TC-181 General Trades installation in the field.
 - c. Include door protection on entire lower half of door. Protection must be sufficient to protect door from carts and other material moving through opening. Continuous protection shall be such to allow door operation after hanging door.
 - d. **Storage** of wood doors will not be allowed on the project site. Contractor to ship doors at direction of construction manager for immediate installation by the TC-181 General Trades contractor. This TC-183 Doors and Hardware contractor shall estimate no more than ten (10) doors will be in one delivery.
- 16) This contractor shall furnish and install **FINISH HARDWARE** as shown on the Contract Documents and in accordance with specification section 08 7100. The intent is that the hardware be installed on the doors before they are shipped to the project site. This hardware shall be protected during transportation.
 - a. **Pre-install door hardware** in accordance with the hardware specifications but given the following exceptions/conditions: All hardware (closer arm & cover & frame shoe, floor closers, frame strike plates,

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

wall & floor stops, weather stripping, thresholds, floor plates, door bottoms, wall/door mags, frame silencers) attached to the walls, floor or frame is packaged "loose" with each door. Hinges are pre-installed on door. Inspect door and hardware, address manufactures errors & omissions before shipping FOB jobsite. Cylinders are pre-installed in hardware before shipping. Contractor will be charged all costs for any hardware not listed above that comes "loose" to be installed on the project.

- b. **Pre-installed door hardware** means that all wiring is installed and connected to the hardware for all secure, and non-secure doors. The intent of the pre-installed hardware is for the door/hardware assembly to be installed without having to remove the pre-installed hardware for any "future installation."

~~c. This contractor shall furnish hardware for **ICU/CUU ENTRANCES** as shown on the Contract Documents and in accordance with specification sections 08 4243, 08 087100, and 08 7100.1.~~

~~i. ICU/CUU Entrances and glazing are provided by TC-181 General Trades contractor. TC-183 Doors and Hardware contractor shall coordinate hardware With TC-181 General Trades to ensure a complete working system and deliveries as to not delay the installation of the doors.-(ADD #4)~~

17) This contractor shall furnish **ELECTRIFIED HARDWARE DEVICE OPERATIONS SCHEDULE**.

- a. Provide a **qualified hardware consultant** to take the lead role in the final coordination of the sequence of operation for each electrified door and all required tie-ins and interfaces by the various technology disciplines. These disciplines shall include, but are not be limited to, fire alarm, HVAC controls, access controls, etc. This consultant shall prepare sequence of operations, schematics, wiring diagrams etc. Consultant shall attend and run meetings (at the jobsite in Lexington, KY) with the owner's staff, security consultant, jobsite electricians and technology contractors, etc. to work through all details and expectations of the final operation.
- b. All electrified doors (as part of the hardware set) are to include an electrified termination box to be installed above ceiling of each door. Each termination box is to include a sticker on the front cover detailing the wiring layout of each opening. The purpose is to provide a "clean" connection point for all systems for each opening.
- c. This contractor should expect to lead multiple onsite meetings over the first half of the project in order to coordinate the doors, hardware and keying information for this project. This is very important to the project and a high level of involvement is expected.
- d. This contractor is also to include costs to "troubleshoot" door and hardware problems/issues at the end of the project. Hardware consultant is to act as a resource to solve door opening issues. Contractor shall include traveling to the project site to troubleshoot if needed.

18) Contractor shall provide **wiring diagrams** for all electrified doors. Contractor shall coordinate these with the contract drawings and specs. Contractor shall inform the construction manager if there is conflicting information between the contract documents. Contractor to include in their pricing the more expensive of the options if conflicts are not resolved.

19) Provide ten (10) Yale keyway cores for access panel doors. Coordinate with construction manager for specific keying information

20) Provide fifteen (15) ea. temporary construction cores (compatible with Yale) with five (5) keyed separately from the total (two separate keyways needed). Turn over to the construction manager with a total of thirty (30) keys (2 for each lock)

21) This contractor shall furnish and install in wood doors the **GLAZING** as shown on the Contract Documents and in accordance with specification section **08 8000 GLAZING**. This contractor to include any associated trim and/or stops to finish the doors. Contractor shall protect pre-installed glazing for transportation to the project site. The intent is that the doors are delivered to the project with glazing already installed.

- a. This contractor to furnish and install the **INTEGRAL BLINDS** in wood doors as shown on the Contract Documents and in accordance with specification section **08 8000 GLAZING**. Blinds and glass to be installed and protected on doors prior to shipping to project.

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

- b. This contractor to furnish **INTEGRAL BLINDS** in hollow metal frames as shown on the contract documents and in accordance with the specification section **08 8000 GLAZING**. Blinds to be shipped to the project and installed in the hollow metal frames separately by TC-181 General Trades contractor. This contractor is to coordinate with TC-181 General Trades to ensure timely deliveries as not to delay installation.

22) This contractor shall furnish **LEAD LINED DOORS AND FRAMES** as shown on the Contract documents and in accordance with specification section 13 4900

- a. This contractor shall provide the lead lined glass for any doors necessary. (ADD #5)

F. CONSTRUCTION SCHEDULE

Contract Price is based on the project schedule included in the bid manual and as clarified within these Additional Provisions.

G. WORK EXCLUDED

This Scope of Work shall exclude the following

- 1) Field install of doors and frames
- 2) Providing ICU/CCU entrances (except hardware as described above).

H. ALTERNATE PRICES

Alternates shall be complete for providing only the Work with no other credits. All alternate prices are to be priced as stand-alone alternates. Any number of alternates, or no alternates, may be accepted as part of this Work. Indicate Add/Deduct Price on the BID FORM

- 1) None

I. ALLOWANCES

The following Allowances **are to be included in the base bid:**

- 1) Door Frame Repair Allowance \$ 7,500

The above allowances are to be included in the base bid/Subcontract Price. All overhead and profit related to the Work performed under each Allowance is to be included in the Base Bid/Subcontract Price. Only direct Labor and Material costs authorized in writing by the Construction Manager after approval by the Owner are to be charged to the Allowance. Progress Payments will be made against Allowance expenditures, based on approved monthly invoices & writing Allowance Authorization from the Construction Manager/Owner. Any unused funds remaining in these allowances will be credited back to the Project.

J. UNIT PRICES

The following unit prices are applicable for changes in the Work. The unit prices are for Work complete and in place and include all costs such as material, labor, equipment, freight, taxes, insurance, fringe benefits, and overhead and profit. Also include costs for coordination with other trades work where applicable. In the event the unit prices quoted exceed industry standards or fair market value, the Turner reserves the right to request pricing for changes at cost plus allowable mark-up for overhead and profit or a lump-sum under the terms of the Agreement

- 1) Labor Rates - Submit detailed labor rates to Turner Project Manager for approval. Detail shall show all fringes, benefits, taxes, insurance, markups, and any other add-ons to allow verification of rate.
 - See "Form of Proposal" (Bid Form) for bid day information. The apparent low bidder will submit detailed breakdown with-in 24 hours after bid day.
- 2) Equipment Rates – Submit detailed rates for equipment that may be used on project, and may be part of change order pricing.

END OF TECHNICAL SCOPE OF WORK

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

FORM OF PROPOSAL
SUPPLEMENTAL INFORMATION

THE FOLLOWING INFORMATION PERTAINS TO ALL TRADE CONTRACTORS

NOTE: MUST BE SUBMITTED WITH THE BID SUBMITTAL.
Failure to comply will result in rejection of Bidder's Proposal.

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.

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

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

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.

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 nonresponsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

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.

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. Goal is 10% MBE/WBE

- 1. Minority and Women Subcontractors

- 2. Minority and Women Material Suppliers

This proposal includes _____% certified MBE participation

This proposal includes _____% certified WBE participation

If your firm has no minority or women owned subcontractors or suppliers, it is required that you complete the list of minority and/or women owned businesses below. List the names of firms that were solicited to bid the project and describe why they were not successful (i.e. not low bid, did not respond, etc).

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

LIST OF MATERIALS AND EQUIPMENT

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC- _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF TRADE CONTRACT)

The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

ITEM	MATERIALS AND EQUIPMENT	BRAND OR MANUFACTURER
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Attachment "B"
SCOPE OF WORK
TC-183 – DOORS AND HARDWARE

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC - _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF BID CATEGORY)

DIVISION OF WORK

NAME AND ADDRESS OF SUBCONTRACTOR

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL TC-184 DRYWALL AND CEILINGS

Project No. 2402.9 Project Title: 5th Floor Fit Out

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: _____

TO: BID CLERK
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION

PROCUREMENT
RM. 322 SERVICE BUILDING
LEXINGTON, KY. 40506-0005

INVITATION TO BID: CCK-2516-21

BID OPENING DATE: January 22nd, 2021 (ADD #2)

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. Bidder understands that successful bidder will enter into a contract with Turner Construction Company utilizing Turner's Subcontract Agreement Form 36 without modification.

The Bidder hereby acknowledges receipt of the following Addenda:

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

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

NOTE: IN ADDITION TO THE SPECIFIC TRADE FORM OF PROPOSAL EACH SUBCONTRACTOR MUST ALSO SUBMIT FORMS FOUND IN THE SUPPLEMENTAL FORM OF PROPOSAL SECTION.

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

FORM OF PROPOSAL

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

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. **CCK-2516-21** 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 Turner Construction Company 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 _____ AREA CODE & PHONE _____

_____ FAX _____

CITY _____ STATE _____ ZIP CODE _____

DATE _____ EMAIL _____

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

LUMP SUM PROPOSAL

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.

TC-184 DRYWALL AND CEILINGS

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____) **BIDDER MUST TURN IN BID BREAKOUT SHEET WITH THIS FORM OF PROPOSAL**
(USE FIGURES)

ALTERNATES – NONE

Current Experience Modification Rating _____

OSHA Incident Rates: Recordable _____ Date of Proposal _____

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. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
3. 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)

4. Form of Proposal Supplemental Information
5. TC-____ Bid Breakout sheet (from Attachment 'B')

SUPERINTENDENT

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

List the Superintendent's Name _____

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL

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 will be required to complete and submit the following information with the bid. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

KY FAIRNESS ACT: UNIT PRICES SHALL BE SUBJECT TO REVIEW / ADJUSTMENT AT TIME OF BID REVIEW / AWARD BASED ON "NET COST" CONCEPT. PROVIDE DETAIL BREAKDOWN 24 HOURS AFTER BID.

HOURLY RATES:

Classification	Base rate	Fringes	Burden (Ins/taxes/other)	(if) (Pier Diems)	(SUM) (ST)	<u>UNIT PRICE</u>		OH/P % (5%)
						(SUM) (T&1/2)	(SUM) (DT)	
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Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

BID BREAKOUT

Fill in the following breakdown of costs included in your base bid. Each item is to include labor, material & equipment. These will not be considered unit prices nor will the numbers listed here limit obligations required in the bid documents. It will be used only to aid in verifying completeness of the bids.

<u>DESCRIPTION OF WORK</u>	<u>COST INCLUDED IN BID</u>
Engineering & Layout, Shop Drawings and Submittals, Permits and Fees	\$ _____
Safety	\$ _____
Selective Demolition	\$ _____
Drywall Partitions (including framing)	\$ _____
Radiation Protection	\$ _____ (ADD#5)
Drywall Ceilings (include framing)	\$ _____
Acoustic Ceilings	\$ _____
Wood Ceilings	\$ _____
Acoustic Wall and Ceiling Systems	\$ _____
Firestopping, Safing & Sealants, Acoustical Sealants	\$ _____
Installation of Hollow Metal Frames Located in Drywall Partitions	\$ _____
Batt and Sound Insulation	\$ _____
Joint Sealants	\$ _____
Access Doors	\$ _____
MEP Coordination / BIM	\$ _____
General Work Requirements	\$ _____
Remaining work not listed above, Overhead & Profit (not to exceed 10% proposal)	\$ _____
<hr/>	
TOTAL BID AMOUNT (SHOULD MATCH PROPOSAL)	\$ _____
Cost of Performance and Payment Bond	\$ _____
<u>DO NOT INCLUDE THIS COST IN YOUR BID</u>	

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

Attachment A – Additional Provisions and Attachment B – (Technical) Scope of Work go together to define the requirements of this Subcontract. Attachment A is a more of a general Summary of the Contract Documents, Price, etc., while Attachment B is the Trade Specific (technical) Scope of Work.

The work of this Agreement shall include, but not be limited to, all labor, materials, apparatus, hoisting, rigging, tools, equipment, plant, supplies, accessories, samples, submittals, shop drawings, certifications, engineering, layout, transportation, storage, supervision, temporary construction, special services, contributions, insurance, taxes (unless specifically excluded by the Contract Documents), compliance with all governing agencies (city, county, state, federal and others as may be required), permits, fees, all other services and facilities and other items necessary for the performance of the **Fire Protection Work** as shown, detailed and/or implied in the contract documents outlined in the General Scope of Work.

The Scope of Work Document is being provided for your use as a general guideline. Please note, this Document is not all-inclusive. It is this Subcontractor's responsibility to provide a complete bid, including all work for this trade indicated on ALL of the contract documents (include plans, specifications, Bid Manual, etc.). It is this Subcontractor's responsibility for the entire scope of this Bid Package and coordination between all trades.

E) WORK INCLUDED - SCOPE-SPECIFIC ITEMS

1) Trade Specifications Specifically Included, but not limited to the following:

- a) **DIVISION 00 – PROCUREMENT & CONTRACTING REQUIREMENTS (ALL SECTIONS)**
DIVISION 01 – GENERAL REQUIREMENTS (ALL SECTIONS)
DIVISION 02 – EXISTING CONDITIONS (ALL SECTIONS)

<u>DIVISION 7</u>	<u>THERMAL & MOISTURE PROTECTION</u>
SECTION 07 2100	INSULATION
SECTION 07 8110	APPLIED FIREPROOFING - PATCHING
SECTION 07 8400	FIRE STOPPING
SECTION 07 9200	JOINT SEALANTS

<u>DIVISION 8</u>	<u>OPENINGS</u>
SECTION 08 1100	HOLLOW METAL DOORS AND FRAMES
SECTION 08 3100	ACCESS DOORS & FRAMES

<u>DIVISION 9</u>	<u>FINISHES</u>
SECTION 09 0600.1	SCHEDULE OF FINISHES
SECTION 09 0600.2	MATERIAL AND COLOR SCHEDULE
SECTION 09 2216	NON STRUCTURAL METAL FRAMING
SECTION 09 2900	GYPSON BOARD
SECTION 09 5100	ACOUSTICAL CEILINGS
SECTION 09 5426	SUSPENDED WOOD CEILINGS
SECTION 09 7200	WALL COVERINGS
SECTION 09 8400	ACOUSTIC WALL AND CEILING SYSTEMS

<u>DIVISION 13</u>	<u>SPECIAL CONSTRUCTION</u>
SECTION 13 4900	RADIATION PROTECTION (ADD #5)

- b) This Trade Contractor is also responsible for trade specifications not specifically listed above but required by reference in the listed specifications or as required to perform the scope of work described herein, as

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

well as the Division 0 and Division 1 specifications and the use of the Construction Documents as a whole.

- c) Subcontractor includes all work indicated in specification, unless this scope of work specifically and clearly excludes a portion of a specification.
- 2) Contract Price is LUMP SUM. There shall be NO additional labor and material escalations allowed
 - 3) Examination of Site – Subcontractor warrants that they have sufficiently reviewed the project site to inform themselves of all items about existing site that are relevant to their work, and the cost of their work.
 - 4) Include protection all adjacent structures during performance of this work. Plan for protection of adjacent structures must be part of the overall plan submitted for approval prior to start of work
 - 5) **SITE LOGISTICS:** Refer to the Site Logistics plans included in the Contract Documents. Delivery trucks are to be scheduled with Turner at least one (1) week in advance. See Attachment P for delivery days/times.
 - 6) Subcontractor change order requests shall be provided with sufficient detail (as acceptable to Turner) to allow for satisfactory review. Subcontractor shall be allowed a maximum mark up for overhead and profit per the markup provisions included in the Subcontract Agreement, or as clarified in Contract Documents above
 - 7) Subcontractor understands that **time is of the essence** in the prosecution of Work under this agreement.
 - 8) Verify layout provided by others. Where this subcontractor is performing work using layout provided by others, this subcontractor shall perform sufficient verification of that layout to reasonably ascertain the validity of that layout. Any deficiencies (or suspected deficiencies found) shall be reported to Turner immediately to allow corrections as needed before start of work by this subcontractor.
 - 9) All Subcontractors must be licensed as required by local, State, or Federal jurisdiction required for work of this trade in this project location
 - 10) This Subcontractor will comply with Turner's corporate safety policy and comply with Site Specific Safety Plan that will include but is not limited to 100% tie-off above 6 feet, 100% Safety Glasses, High Visibility Vests or High Vis style T-Shirts with reflective strips, 100% glove policy, Ladders Last Policy and Nothing Hits the Ground. If you are unfamiliar with any of these policies please ask to see the policy prior to submitting your bid. Failure to be familiar with these policies will not exclude you from complying with them.
 - 11) **Refer to Project General Work Requirements** in volume one of the project manual. Any costs for work scope items listed in this section shall be included in your lump sum bid. Some work items are listed for specific trade contractors and they shall include those costs in their respective total lump sum bid price.
 - 12) Condoc keynote legend will dictate your scope of work unless noted otherwise.
 - 13) This Trade Contractor shall participate in the construction of on-site **mock-ups** as specified and indicated by the documents and/or noted elsewhere. This shall include providing of materials required for this trade contract scope of work, coordinating with other trade contractors with regard to sequencing of installations and protection of materials etc..., furnishing shop drawings and /or setting drawings and so on. Materials for in place or interim mock-ups shall be secured in advance of normal procurement to allow for ALL trade contractor installations, owner/designer and user reviews and evaluations, meetings, approvals and directive if applicable. Mockups are understood to start with arrangement of wall rough-in through complete room finishes.
 - 14) This contractor to perform **site layout survey** to verify existing installations including, but not limited to: floor depressions, door locations, shaft locations, IDF and EIDF room locations, exterior wall conditions, and other current MEP rough-in locations, etc. Perform this site review within 10 days of contract award and provide four (4) hard copies and one digital copy to the construction manager.
 - 15) This contractor shall provide **SELECTIVE DEMOLITION** (as related to this scope of work) as shown on the Contract Documents and in accordance with specification section 02 4110.
 - a. Provide demo (cut and patch) of shaft wall (and/or other noted partition types) at MEP shaft locations for MEP access to shaft area – include ten (10) locations approximately 4' x 8' in size. Replace partition materials similar to meet any acoustic and life safety requirements.
 - i. In addition, provide necessary demo of drywall and framing at SHAFT AM07 and AM08 to facilitate the rework of existing ductwork by TC-189. Assume complete removal of 2hr rated assembly from

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

floor to deck 12' in length. Assume removal of secondary access point for safety egress. Re-frame and hang drywall to maintain UL assembly after completion of TC-189 work. Reference M205C for location.

- b. Provide cutting and patching of drywall partitions for installation of new electrical outlets in existing walls to remain. See electrical drawings for quantities.
 - c. Provide demo (cut and patch) room side face of double layer shaft wall at Nour A05253, A05153, A05289, A05189 to allow for blocking installation for ice machine. Coordinate with TC-181 General Trades for exact locations.
- 16) This contractor shall provide **INSULATION** (as related to this scope of work) included in drywall and/or plaster partitions as shown on the Contract Documents and in accordance with specification section 07 2100.
- 17) This contractor shall provide **JOINT SEALANTS** (as related to this scope of work) included in drywall and/or plaster as shown on the Contract Documents and in accordance with specification section 07 9200.
- a. See specification section 01 2500 for clarification of owner furnished and installed items.
 - b. Contiguous with TC-184 Drywall and Ceilings scope of work items.
 - c. Sealants for Hollow Metal Frames including HM windows are by TC-187 Painting contractor.
 - d. Include the interface between GWB and the interior side of the building envelope i.e. glazing, precast, metal panels etc.
 - e. Include all acoustic sealant for wall systems as indicated on the drawings including sealant and insulation at the top and base of the wall.
- 18) This contractor shall receive, shake-out and install **HOLLOW METAL FRAMES** in drywall partitions as shown on the Contract Documents and in accordance with specification section 08 1100. Provide a detailed tracking sheet for all hollow metal frames delivered to jobsite. This would include tag numbers, date frames were delivered, verification of what is being delivered. Report any issues with frames to construction manager immediately.
- a. Hollow Metal frames in masonry or "other" partitions are by TC-181 General Trades.
 - b. Installation of doors and hardware is by TC-181 General Trades.
- 19) This contractor shall provide **FIRE STOPPING** (as relates to this scope of work) as shown on the Contract Documents and in accordance with specification section 07 8400.
- a. At interface between GWB partitions and structure, building envelope or other partitions.
- 20) This contractor shall provide **ACCESS DOORS & FRAMES (PARTIAL)** included in drywall and/or plaster as shown on the Contract Documents and in accordance with specification section 08 3100 which includes but not limited to:
- a. Furnish and install access panels shown on the architectural documents.
 - b. Receive and install access panels supplied by MEP trades.
 - c. In addition to the above, provide additional ten (10) ea 24" x 24" rated access panels with baked paint finish for use at the direction of the Construction Manager.
- 21) This contractor shall provide **NON STRUCTURAL METAL FRAMING (COMPLETE)** as shown on the Contract Documents and in accordance with specification section 09 2216 which includes but not limited to:
- a. Studs, furring and miscellaneous accessories for "drywall"; reference condoc notes / details.
 - b. Coordinate installation of partition top track and clip angles with other trades.
 - c. Include patching of any existing Spray Applied Fire Proofing due to your work installations.
 - d. Provide any continuous sheet metal blocking at clean supply and equipment rooms per partition wall modifications type g & h on sheet A601.
 - e. This contractor shall vacuum all drywall partition track prior to installation of gypsum board and before in-wall inspections. Coordinate with construction manager.

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

- 22) This contractor shall provide **GYP SUM BOARD (COMPLETE)** as shown on the Contract Documents and in accordance with specification section 09 2900 which includes but not limited to:
- Gypsum wall board
 - Acoustical Sealant, firestop safing & sealants associated with wall assemblies.
 - Drywall Ceilings
 - Drywall Bulkheads & Soffits
 - Cement Backer Board for Ceramic Tile including taping of joints.
 - Where new walls meet existing walls, finish out for smooth transition. Additionally, this contractor is to gypsum finish all existing walls to meet specifications (level 4 minimum).
 - This contractor is to include **200 additional hours** (above & beyond base work scope) of drywall finish touch-up with the necessary finishing materials and tools to be used at the discretion and approval of the Construction Manager.
- 23) This contractor shall provide **ACOUSTICAL CEILINGS (COMPLETE)** as shown on the Contract Documents and in accordance with specification section 09 5100.
- Include additional **200 additional hours** (above & beyond base work scope) for miscellaneous ceiling repair to be used at the discretion and approval of the Construction Manager.
 - This contractor will need to coordinate with owner vendor for flush installation of patient lifts in patient rooms.
- 24) This contractor shall provide **SUSPENDED WOOD CEILINGS (COMPLETE)** as shown on the Contract Documents and in accordance with specification section 09 5426.
- 25) This contractor shall provide **ACOUSTIC WALL AND CEILING SYSTEMS (COMPLETE)** as shown on the Contract Documents and in accordance with specification sections 09 7200 and 09 8400.
- This includes wall coverings as detailed in section 09 7200 for the system contained in 09 8400 specification.
- 26) Refer to **SCHEDULE FOR FINISHES** Specification Section 09 0600.1, **MATERIAL & COLOR SCHEDULE** Specification Section 09 0600.2. Include and coordinate the Room Finish Schedule within the project drawings.
- 27) Include coordination for framing openings for **Owner Furnished Equipment** indicated on the documents and per specifications and equipment plans. This contractor is to provide trim pieces, fillers and closures and required.
- 28) Coordinate wall installation sequence with Turner Superintendent and MEP Trades
- 29) This contractor to include repair to the existing drywall partitions for four (4) 36"x 48" holes within the existing EIDF closets (closing up the old temp. A/C unit locations). Include gypsum finishing per the specifications.
- 30) This contractor shall participate in the coordination process using **3-D Building Information Modeling (BIM)** as outlined in Attachment "H", in lieu of the conventional 2-D drawing process.
- All costs for the BIM process for this scope of work shall be included in the base bid. This trade contractor shall participate to detail priority walls, sequence, above wall condition details, etc. This contractor shall model in king studs for doorframes and all soffit framing to coordinate with MEP utilities during the coordination process. The intent is to pre-fabricate a significant amount of work installations for this project.
 - It is imperative that the coordination begin immediately after contract award. The details of sequencing and timing of this process will be discussed immediately after contract award. Provide required resources to coordinate, purchase, fabricate, and deliver materials to meet the schedule installation start dates.
 - In developing the BIM model, all UK **standards for access**, shall be reflected.
 - Include **BIM modeling "mock-ups"** for each typical patient and core rooms. This includes detailed modeling of room overhead and in-wall assemblies (including detailed models of support structures for Owner-furnished equipment) and coordination with Owner-furnished equipment. Include modeling of typical adjacent room wall where utilities share common wall (e.g., at back-to-back headwalls).

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

- 31) Include **OUT OF SEQUENCE** drywall work for partitions with medical gas lines (testing), Sanitary risers, building construction access and other locations "through partition" areas for personnel and materials movement.
- a. This contractor to assume leaving a 14"x14" window around med gas locations at each headwall location in the top out board. Patch back after inspection is complete.
 - b. This contractor to assume leaving a 14"x14" window in the top out board at Sanitary riser locations. Patch back after testing is complete. Assume 30 locations.
 - c. It is the intent to **pre-fab** the plumbing for the patient restroom toilet and shower **wet** wall. This TC-184 Drywall and Ceilings contractor to supply TC-189 Plumbing and Mechanical contractor with necessary stud framing to be taken off site and fabricated. TC-184 Drywall and Ceilings contractor to create openings in the wall framing to allow prefabbed assembly to be installed once pre-fab is completed. Coordinate heights and widths with TC-189 Plumbing and Mechanical contractor on opening size. This TC-184 Drywall and Ceilings contractor to assist TC-189 Plumbing and Mechanical contractor with final installation of prefabbed assembly on-site. See item 70.a in TC-189 Plumbing and Mechanicals scope for more information.
- 32) This contractor is responsible for the **REQUIRED FINISH LEVEL** as indicated in the specifications. Any completed finish that is deemed "unacceptable" by the architect of record after paint is applied – this contractor shall be responsible for all re-finishing and re-painting costs unless the unsatisfactory finishes were a result of other trades work in the area.
- 33) This contractor will final seal all (any) non-MEP penetrations, holes, top of wall, side of wall, box-out etc. in any **ISOLATION** room wall partitions. This includes sealing any locations at the exterior wall system including edge of slab and head area. These rooms will be tested and documented prior to ceiling close-up to verify design requirements.
- 34) This contractor shall provide **RADIATION PROTECTION & RADIATION SHIELDING PLANS - (AS RELATED TO THIS SCOPE OF WORK)** as shown on the Contract Documents and in accordance with Section 13 4900 Radiation Protection.
- a) Include written safety plan on installation of lead board, lead patches, and lead lined frames. Provide all training for all workers required for implementation of the safety plan. Provide training source for other Trade Contractors to have their workers trained to work inside the barriers as needed.
 - b) Include all barriers and negative air machines associated with this work. Provide Daily Checklists and Weekly Reports on status of negative pressure in the barrier work areas.
 - c) Include providing sheet lead patches at penetrations created by other trades. This includes wrapping boxes installed in the wall.
 - d) Lead lined hollow metal frames are furnished by TC-183 Door and Hardware supplier and installed by this contractor TC-184 Drywall. TC-184 shall be responsible for the final performance / integrity of the radiation protection in these frames. Doors and door hardware are furnished by TC-183 Door and Hardware supplier and installed by TC-181 General Trades. TC-181 will provide and install glazing for these openings.
 - e) Perform field inspection and assist in testing in accordance with ALL Specifications and the UK Radiation Physicist for final acceptance of the rooms. Make any and all repairs as needed for final approval. (ADD #5)

F. CONSTRUCTION SCHEDULE

Contract Price is based on the project schedule included in the bid manual and as clarified within these Additional Provisions.

G. WORK EXCLUDED

This Scope of Work shall exclude the following

- 1) Payment & Performance Bond
- 2) Sealants for Hollow Metal Frames including HM windows are by TC-187, Painting.

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

- 3) Installation of doors and hardware are by TC-181, General Trades.
- 4) Installation of hollow metal frames in masonry partitions is by the TC-181, General Trades.

H. ALTERNATE PRICES

Alternates shall be complete for providing only the Work with no other credits. All alternate prices are to be priced as stand-alone alternates. Any number of alternates, or no alternates, may be accepted as part of this Work. Indicate Add/Deduct Price on the BID FORM

- 1) None

I. ALLOWANCES

The following Allowances **are to be included in the base bid**:

- 1) None

The above allowances are to be included in the base bid/Subcontract Price. All overhead and profit related to the Work performed under each Allowance is to be included in the Base Bid/Subcontract Price. Only direct Labor and Material costs authorized in writing by the Construction Manager after approval by the Owner are to be charged to the Allowance. Progress Payments will be made against Allowance expenditures, based on approved monthly invoices & writing Allowance Authorization from the Construction Manager/Owner. Any unused funds remaining in these allowances will be credited back to the Project.

J. UNIT PRICES

The following unit prices are applicable for changes in the Work. The unit prices are for Work complete and in place and include all costs such as material, labor, equipment, freight, taxes, insurance, fringe benefits, and overhead and profit. Also include costs for coordination with other trades work where applicable. In the event the unit prices quoted exceed industry standards or fair market value, the Turner reserves the right to request pricing for changes at cost plus allowable mark-up for overhead and profit or a lump-sum under the terms of the Agreement

- 1) Labor Rates - Submit detailed labor rates to Turner Project Manager for approval. Detail shall show all fringes, benefits, taxes, insurance, markups, and any other add-ons to allow verification of rate.
 - See "Form of Proposal" (Bid Form) for bid day information. The apparent low bidder will submit detailed breakdown with-in 24 hours after bid day.
- 2) Equipment Rates – Submit detailed rates for equipment that may be used on project, and may be part of change order pricing.

END OF TECHNICAL SCOPE OF WORK

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

FORM OF PROPOSAL
SUPPLEMENTAL INFORMATION

THE FOLLOWING INFORMATION PERTAINS TO ALL TRADE CONTRACTORS

NOTE: MUST BE SUBMITTED WITH THE BID SUBMITTAL.
Failure to comply will result in rejection of Bidder's Proposal.

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.

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

Attachment "B"
SCOPE OF WORK
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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.

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 nonresponsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

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SCOPE OF WORK
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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.

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. Goal is 10% MBE/WBE

- 1. Minority and Women Subcontractors

- 2. Minority and Women Material Suppliers

This proposal includes _____% certified MBE participation

This proposal includes _____% certified WBE participation

If your firm has no minority or women owned subcontractors or suppliers, it is required that you complete the list of minority and/or women owned businesses below. List the names of firms that were solicited to bid the project and describe why they were not successful (i.e. not low bid, did not respond, etc).

Attachment "B"
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RECORD OF MBE/WBE SOLICITATION

_____ Certifies that the following
BIDDER'S NAME

Minority/Women-Owned firms were contacted to solicit pricing as subcontractors/suppliers for Invitation to Bid No. _____. The following firms were not selected for use on this project for the reasons stated in the **RESULT** column.

This list of Minority or Women owned firms is to be executed and submitted as a part of the Bidder's Proposal. Failure to comply will result in rejection of Bidder's Proposal.

<u>FIRM NAME</u>	<u>MBE/WBE</u>	<u>WORK ITEMS SOLICITED</u>	<u>RESULT: NO RESPONSE OR NOT LOW BIDDER</u>

Signature Date

Title

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

LIST OF MATERIALS AND EQUIPMENT

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC- _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF TRADE CONTRACT)

The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

ITEM	MATERIALS AND EQUIPMENT	BRAND OR MANUFACTURER
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Attachment "B"
SCOPE OF WORK
TC-184 DRYWALL AND CEILINGS

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC - _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF BID CATEGORY)

DIVISION OF WORK

NAME AND ADDRESS OF SUBCONTRACTOR

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL TC-190 ELECTRICAL & INTEGRATED TECHNOLOGY

Project No. 2402.9 Project Title: UK 5th Floor Fit Out

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: _____

TO: BID CLERK
 UNIVERSITY OF KENTUCKY
 CAPITAL CONSTRUCTION

 PROCUREMENT
 RM. 322 SERVICE BUILDING
 LEXINGTON, KY. 40506-0005

INVITATION TO BID: CCK-2516-21

BID OPENING DATE: January 22nd, 2021 (ADD #2)

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. Bidder understands that successful bidder will enter into a contract with Turner Construction Company utilizing Turner's Subcontract Agreement Form 36 without modification.

The Bidder hereby acknowledges receipt of the following Addenda:

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

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

NOTE: IN ADDITION TO THE SPECIFIC TRADE FORM OF PROPOSAL EACH SUBCONTRACTOR MUST ALSO SUBMIT FORMS FOUND IN THE SUPPLEMENTAL FORM OF PROPOSAL SECTION.

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

FORM OF PROPOSAL

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

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. **CCK-2516-21** 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 Turner Construction Company 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 _____ AREA CODE & PHONE _____

_____ FAX _____

CITY _____ STATE _____ ZIP CODE _____

DATE _____ EMAIL _____

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

LUMP SUM PROPOSAL

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.

TC-190 ELECTRICAL & INTEGRATED TECHNOLOGY

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____) **BIDDER MUST TURN IN BID BREAKOUT SHEET WITH THIS FORM OF PROPOSAL**
(USE FIGURES)

ALTERNATES – NONE

Current Experience Modification Rating _____

OSHA Incident Rates: Recordable _____ Date of Proposal _____

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. Authentication of Bid and Statement of Non-Collusion and Non-Conflict of Interest.
3. 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)

4. Form of Proposal Supplemental Information
5. TC-____ Bid Breakout sheet (from Attachment 'B')

SUPERINTENDENT

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

List the Superintendent's Name _____

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION PROCUREMENT SECTION
FORM OF PROPOSAL

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 will be required to complete and submit the following information with the bid. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

KY FAIRNESS ACT: UNIT PRICES SHALL BE SUBJECT TO REVIEW / ADJUSTMENT AT TIME OF BID REVIEW / AWARD BASED ON "NET COST" CONCEPT. PROVIDE DETAIL BREAKDOWN 24 HOURS AFTER BID.

HOURLY RATES:

Classification	Base rate	Fringes	Burden (Ins/taxes/other)	(if) (Pier Diems)	(SUM) (ST)	<u>UNIT PRICE</u>			OH/P % (5%)
						(SUM) (T&1/2)	(SUM) (DT)		
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Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

BID BREAKOUT

<u>DESCRIPTION OF WORK</u>	<u>COST INCLUDED IN BID</u>
Engineering & Layout; Permits & Fees	\$ _____
Shop Drawings and Submittals	\$ _____
Demolition & Rework of Existing	\$ _____
Temporary Power & Lighting	\$ _____
Temporary Fire Alarm	\$ _____
Mechanical and Plumbing Equipment Power	\$ _____
Power (branch circuitry)	\$ _____
Power (panels and devices)	\$ _____
General Lighting (branch circuitry)	\$ _____
Light Fixtures Package	\$ _____
Installation of Owner-Furnished Equipment	\$ _____
Grounding	\$ _____
Fire Alarm System	\$ _____
Security System	\$ _____
Telecommunications & Data System	\$ _____
Nurse Call System	\$ _____
Cable Tray Package	\$ _____
Testing and Start-up	\$ _____
Commissioning Participation	\$ _____
MEP Coordination / BIM	\$ _____
BIM 3-D Server Allowance	\$ 7,500 _____
Alterations Allowance	\$ 20,000 _____
Existing Penetration Fire Stopping Allowance	\$ 2,000 _____
3 rd Floor Mechanical Room Relocation Allowance (AHU Install coordination)	\$ 5,000 _____
Relocate Existing Cameras Allowance	\$ 5,000 _____ (ADD#5)
Electric Consumption	\$ by owner _____
Firestopping	\$ _____
Safety and Housekeeping	\$ _____
General Work Requirements	\$ _____
Remaining work not listed above, Overhead & Profit (not to exceed 10% of proposal)	\$ _____
<hr/>	
TOTAL BID AMOUNT (SHOULD MATCH PROPOSAL)	\$ _____
Cost of Performance and Payment Bond	\$ _____
<u>DO NOT INCLUDE THIS COST IN YOUR BID</u>	

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

Attachment A – Additional Provisions and Attachment B – (Technical) Scope of Work go together to define the requirements of this Subcontract. Attachment A is a more of a general Summary of the Contract Documents, Price, etc., while Attachment B is the Trade Specific (technical) Scope of Work.

The work of this Agreement shall include, but not be limited to, all labor, materials, apparatus, hoisting, rigging, tools, equipment, plant, supplies, accessories, samples, submittals, shop drawings, certifications, engineering, layout, transportation, storage, supervision, temporary construction, special services, contributions, insurance, taxes (unless specifically excluded by the Contract Documents), compliance with all governing agencies (city, county, state, federal and others as may be required), permits, fees, all other services and facilities and other items necessary for the performance of the **Electrical and Integrated Technology Work** as shown, detailed and/or implied in the contract documents outlined in the General Scope of Work.

The Scope of Work Document is being provided for your use as a general guideline. Please note, this Document is not all-inclusive. It is this Subcontractor's responsibility to provide a complete bid, including all work for this trade indicated on ALL of the contract documents (include plans, specifications, Bid Manual, etc.). It is this Subcontractor's responsibility for the entire scope of this Bid Package and coordination between all trades.

E. WORK INCLUDED - SCOPE-SPECIFIC ITEMS

1) Trade Specifications Specifically Included, but not limited to the following:

- a) **DIVISION 00 – PROCUREMENT & CONTRACTING REQUIREMENTS (ALL SECTIONS)**
DIVISION 01 – GENERAL REQUIREMENTS (ALL SECTIONS)
DIVISION 02 – EXISTING CONDITIONS (ALL SECTIONS)

DIVISION 7 – THERMAL AND MOISTURE PROTECTION (applicable to your work scope)

SECTION 07 8110 – APPLIED FIREPROOFING (for patching work)
SECTION 07 8400 - FIRE STOPPING
SECTION 07 9200 - JOINT SEALANTS (Partial)

DIVISION 8 – OPENINGS (applicable to your work scope)

SECTION 08 7100 DOOR HARDWARE
SECTION 08 7100.1 DOOR HARDWARE SETS
SECTION 08 7100.2 ELECT. HARDWARE DEVICE OPERATIONS SCH.
SECTION 08 7100.3 DOOR HARDWARE-SAMPLE WIRE DIAGRAM
SECTION 08 7113 AUTOMATIC DOOR OPERATORS

DIVISION 11 – EQUIPMENT (applicable to your work scope)

DIVISION 13 – SPECIAL CONSTRUCTION (applicable to your work scope)

DIVISION 20 – GENERAL MECHANICAL REQUIREMENTS (applicable to your work scope)

SECTION 20 0000 - GENERAL MECHANICAL REQUIREMENTS
SECTION 20 0513 - MOTORS
SECTION 20 0514 - VARIABLE FREQUENCY DRIVE (VFD) SYSTEM

DIVISION 21 – FIRE SUPPRESSION (applicable to your work scope)

DIVISION 22 – PLUMBING (applicable to your work scope)

SECTION 22 2114 PLUMBING SPECIALTIES
SECTION 22 4000 PLUMBING FIXTURES
SECTION 22 4014 EQUIPMENT BY OTHERS
SECTION 22 6316 MEDICAL GAS SYSTEMS

DIVISION 23 – HEATING VENTILATING & AIR CONDITIONING (applicable to your work scope)

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

SECTION 23 0000 - GENERAL HVAC REQUIREMENTS
SECTION 23 0525 - OWNER FURNISHED EQUIPMENT
SECTION 23 2123 - PUMPS
SECTION 23 3400 - FANS
SECTION 23 7328 - FACTORY FABRICATED CUSTOM AIR HANDLING UNITS

DIVISION 26 – ELECTRICAL (ALL SECTIONS)**DIVISION 27 – COMMUNICATION (ALL SECTIONS)****DIVISION 28 – ELECTRONIC SAFETY AND SECURITY (ALL SECTIONS)**

- b) This Trade Contractor is also responsible for trade specifications not specifically listed above but required by reference in the listed specifications or as required to perform the scope of work described herein, as well as the Division 0 and Division 1 specifications and the use of the Construction Documents as a whole.
- c) Subcontractor includes all work indicated in specification, unless this scope of work specifically and clearly excludes a portion of a specification.
- 2) Contract Price is LUMP SUM. There shall be NO additional labor and material escalations allowed
 - 3) **Examination of Site** – Subcontractor warrants that they have sufficiently reviewed the project site to inform themselves of all items about existing site that are relevant to their work, and the cost of their work.
 - 4) Include protection all adjacent structures during performance of this work. Plan for protection of adjacent structures must be part of the overall plan submitted for approval prior to start of work
 - 5) **SITE LOGISTICS:** Refer to the Site Logistics plans included in the Contract Documents. Delivery trucks are to be scheduled with Turner at least one (1) week in advance. See Attachment P for delivery days/times.
 - 6) Subcontractor change order requests shall be provided with sufficient detail (as acceptable to Turner) to allow for satisfactory review. Subcontractor shall be allowed a maximum mark up for overhead and profit per the markup provisions included in the Subcontract Agreement, or as clarified in Contract Documents above
 - 7) Subcontractor understands that **time is of the essence** in the prosecution of Work under this agreement.
 - 8) **Verify layout provided by others.** Where this subcontractor is performing work using layout provided by others, this subcontractor shall perform sufficient verification of that layout to reasonably ascertain the validity of that layout. Any deficiencies (or suspected deficiencies found) shall be reported to Turner immediately to allow corrections as needed before start of work by this subcontractor.
 - 9) All Subcontractors must be licensed as required by local, State, or Federal jurisdiction required for work of this trade in this project location
 - 10) This Subcontractor will comply with **Turner's corporate safety policy** and comply with Site Specific Safety Plan that will include but is not limited to 100% tie-off above 6 feet, 100% Safety Glasses, High Visibility Vests or High Vis style T-Shirts with reflective strips, 100% glove policy, Ladders Last Policy and Nothing Hits the Ground. If you are unfamiliar with any of these policies please ask to see the policy prior to submitting your bid. Failure to be familiar with these policies will not exclude you from complying with them.
 - 11) **Refer to Project General Work Requirements** in volume one of the project manual. Any costs for work scope items listed in this section shall be included in your lump sum bid. Some work items are listed for specific trade contractors and they shall include those costs in their respective total lump sum bid price.
 - 12) Condoc keynote legend will dictate your scope of work unless noted otherwise.
 - 13) This Trade Contractor shall participate in the construction of on-site **mock-ups** as specified (Specification Section 01 4000) and indicated by the documents and/or noted elsewhere. This shall include providing of materials required for this trade contract scope of work, coordinating with other trade contractors with regard to sequencing of installations and protection of materials etc..., furnishing shop drawings and /or setting drawings and so on. Materials for in place or interim mock-ups shall be secured in advance of normal procurement to allow for ALL trade contractor installations, owner/designer and user reviews and evaluations, meetings, approvals and

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

directive if applicable. Mockups are understood to start with arrangement of wall rough-in through complete room finishes. At a minimum, a mockup for each type of Patient Room will be constructed.

- 14) Provide and install all final electrical and data connections and field wiring to mechanical equipment and systems as designated and shown on the drawings and described in the specifications. Receive, handle and install electrical equipment and devices provided as part of mechanical equipment furnished by others that is not integral to Motor Control Centers or pre-wired Control Panels.
- 15) This Trade Contractor shall review the Division 20, 21, 22, and 23 Scopes of Work and Specifications and shall be responsible to furnish and install all electrical contacts, relays, starters and heaters, disconnect switches and other devices, required for a complete installation unless they are specifically stated as being furnished or installed by the Division 22/23 contractors. Additionally, it shall also be the responsibility of this contractor to install electrical and data apparatus being furnished by the Division 22/23 Contractors.
- 16) **Installation, testing, and inspections** shall be scheduled by area as sequenced by the Construction Manager, in order to **not delay the progress of other trades**. Multiple tests, comebacks, or inspections as may be required for this coordination are to be included.
- 17) The contract price shall not be altered for any work that could have been **reasonably inferred** from the Contract Documents. The following items are listed as examples of the intent of this statement, but is not limited to these items alone:
 - a. Variations to avoid interference and obstructions.
 - b. Reworking existing hangers/supports (all trades) required for installation of new work by this contractor.
 - c. Providing all electrical components and services usually supplied with a specific system.
 - d. The providing of all necessary electrical equipment and appurtenances, whether shown or not, for a complete operating system in strict code compliance based on equipment and fixtures indicated on the Contract Documents.
 - e. Testing performed in accordance with the requirements of the Contract Documents to meet the needs of the construction schedule and to not delay the work of other trades.
- 18) This Trade Contractor is responsible for **demolition and rework of existing electrical systems** as indicated on the contract drawings, including any permits or fees associated with the work indicated. The intent that the TC-180 Preconstruction Demolition contractor will complete the demolition and rework on the 5th floor. This contractor is responsible for all demolition and rework outside of the 5th floor. This work includes, but is not limited to the following.
 - a. Provide demolition/rework of existing electrical, fire alarm, lighting control, and "like" systems indicated on the contract drawings - This includes supports/hangers removed back to structure.
 - b. Assume work in occupied areas to be performed after normal working hours.
 - c. This contractor is to include one-hundred (100) hours of electrician overtime (100 journeyman) to trace out ("ring out") existing technology and electrical circuits for the electrical, fire alarm, and technology systems associated with the project areas. There are several electrical feeds and several panels associated with this project and this time is needed to investigate and document the circuits. It is anticipated that the tracing work will extend into occupied areas, etc. Coordinate with construction manager – hours will be logged and total verified. Provide a color coded plan to Turner detailing what panel each light, power outlet, etc is fed from.
 - d. This contractor is to patch back any floor, wall, ceiling, etc. locations where existing materials were removed with like materials and reinforcing as is adjacent. Appropriate temporary protection is required immediately after removal for safety.
 - e. Include removal of power back to the source for the temporary AC units in electrical rooms A05E001 and A05E008. Coordinate with TC-189 Plumbing and Mechanical on unit removal.

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

- f. Include removal, rerouting, and reinstallation of power to fire smoke dampers at shafts AM07 and AM08. Coordinate with TC-189 Plumbing and Mechanical
 - g. Include removal of power back to its source to existing medical air compressor on the 3rd floor (see drawing P303B). Coordinate removal with TC-189 Plumbing and Mechanical contractor.
- 19) Provide 24/7 response for temporary/permanent construction use power/lighting maintenance from project mobilization thru substantial completion.
- 20) Initial temporary lighting for the area has been installed for the shell space. This Contractor TC-190 will rework **any remaining temporary power and lighting** as necessary for fit-out and assume maintenance. This Trade Contractor shall provide any additional temporary lighting and power systems required to meet the requirements listed below.
- 21) This Trade Contractor shall maintain and remove **temporary Power and Lighting systems provided by TC-180 Preconstruction Demolition Contractor**, including light fixtures, lamps, relays and contactors, switching, required fixture supports, as described below. The temporary electrical work shall conform to most recent National Electrical Code, OSHA; Federal, State and Local Codes, etc. having jurisdiction over this work. Energy saving methods for lighting are described in the temporary lighting scope. However, all temporary lighting and power must be available for use during off-hours if required.
- a. Maintain power, lighting, fire alarm, (sim. items contained in this work scope) systems for the CM, UK, and design team offices on the 12th floor Pavilion A, and/or the CM, Design Team, and Owner offices. Maintain for the duration of this contract. These systems will remain after this contract completion.
 - b. Maintain all power needed for the Temporary Negative Air Fans stated above.
 - c. Maintain a minimum of eight (8) Mobile Power Centers each consisting of a 100amp 120/208 v, 24 circuit Panel (including circuits for lighting) and eight (8) duplex GFI receptacles at each power center.
 - d. Provide and maintain all hooks and wire to string wire throughout the project. All power to have non-current carrying guards. All hooks should be non-current carrying.
 - e. Temporary power shall be fed out of the **Normal** power panel in each area. Include cost of any additional breakers as needed.
 - f. Provide general LED light strings for a minimum of 10-foot candle coverage for temporary lighting. Stair lights and lights in other critical egress areas are to be installed on circuits separate from the General Lighting circuits and will be energized at all times. Provide circuit breaker locks for those breakers. Existing stair lighting is to be maintained. Ten percent of the temporary lights shall remain on 24 hours a day for security purposes, 24 hour illumination is also required at stairs and egress areas on each floor, and all other lighting shall be shut down by means of timers after the ten (10) hour work day is completed.
 - i. Contractor is to maintain a temporary lighting plan. Plan is to include location of light string and light bulb. This plan will be updated weekly.
 - g. All temporary light fixtures will initially be installed at a height that permits rolling scaffold/scissor lift to move easily and without obstruction around the site.
 - h. All lighting to have non-current carrying guards.
 - i. Maintain, in addition to all other lighting, battery powered egress safety lighting, which shall be considered to be the following
 - i. Stairways (maintained)
 - ii. Exterior temporary scaffold
 - iii. Corridors, mechanical and electrical equipment rooms
 - iv. Exterior of construction entrances

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

- j. Should lighting circuits have to be relocated during construction this shall be done at no addition cost to the Owner or Turner. Lights will be added as areas are developed with no interruption to schedule be it electrical or others.
 - k. Maintain, and remove when no longer required, temporary lighting for the exterior stair towers, scaffold, walkway to security office, etc. Coordinate power source with construction manager.
 - l. Maintenance of all Temporary Lighting shall be done on a daily basis, permitting not more than 10% of the lighting in a given room to be non-operating at any one time. It should be noted that maintenance of "construction lighting" should be for the duration of the project, even when the permanent light fixtures are in use for such purposes.
 - m. This Trade Contractor shall be required to move temporary wiring from time to time as directed by the Construction Manager. If temporary wiring interferes with other construction work this Trade Contractor shall remove and relocate as necessary.
 - n. Change over from temporary to permanent electrical systems shall be completed expeditiously so that no part of the hospital shall be without adequate service. This Trade Contractor shall completely remove all temporary electrical systems and materials when directed by the Construction Manager. Assume off hours for this work.
 - o. Grounding shall comply with applicable codes relating to permanent and construction work. This shall include ground fault protection, using ground circuit interrupters.
 - p. Temporary wiring is to be laid out, balanced and wire sized so as to produce a voltage drop no greater than 5% at the extreme end of the line when operating at full load. The permanent HVAC systems included in the Contract Documents will be used for conditioning the spaces for finishes. This contractor shall provide any resources required to meet the schedule milestones. This contractor is to include all costs for electrical systems to startup and maintain the permanent systems for construction use.
- 22) This Trade Contractor shall maintain and remove the **temporary fire alarm system** provided by the **TC-180 Preconstruction Demolition contractor** in all the construction areas. Heat detectors connected to the existing fire alarm system shall be and maintained. This Contractor shall include accommodations to be code and UK standard compliant and meet Fire Marshal requirements. Provide and maintain additional heat detectors, or otherwise as required. Coordinate with the Fire Protection Contractor. Include monthly documented testing of all devices.
- a. ~~Provide and~~ maintain two (2) Audio Visual devices per work area ~~provided and installed by TC-180 Preconstruction Demolition~~ until the permanent fire alarm devices are operational. These visual devices must be visual to the work force at all times – relocate as necessary as construction progresses. (ADD #3)
 - b. All temporary circuits required for temporary fire alarm system, monitoring, etc. used during construction work are required to be installed in EMT conduit. No temporary circuits are allowed to be installed within the existing fire alarm system conduits. All new temporary systems for a class A system must be installed in a loop configuration, i.e. no "T-taps" to existing building loops will be allowed. All temporary fire alarm components must be programmed into building fire alarm system. The temporary points must be removed at project completion. Heat detectors must be installed on four foot "whips" and hooks so they can be hung up and dropped when around hot work.
 - i. Contractor shall document the status of the fire alarm panel in the control room on the ground floor before starting their work, at the end of each day working on the system, and after their work is complete. No troubles shall remain on the panel for the duration of this scope.
 - c. ~~Contractor shall refeed fire alarm wire in conduit to stairwells 01, 02, 04, and 05 after the demo of the existing loop. This will be separate from the temporary construction loop. Contractor is to coordinate routing of conduit with the construction manager. TC-180 Preconstruction Demolition has rerouted fire alarm conduit and wire to the stairwells stated previously. This contractor shall include the conduit and wire to connect these devices into the permanent fire alarm system. (ADD #3)~~
- 23) This Trade Contractor is responsible to provide the electrical system in its entirety including but not limited to all raceways, fittings, supports, hangers, cabling, terminations, junction boxes, switchgear, motor control centers, panel

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boards, transformers, relays, disconnect switches, equipment, devices and all other miscellaneous electrical apparatus as required to provide a complete and functioning electrical system including but not limited to the following:

- a. Raceways, cable/wire, devices, and terminations for all electrical systems as shown on the construction documents including but not limited to power, lighting, fire alarm, grounding, fuses, panelboards, main tie breakers, circuit breakers, switch boards, and other miscellaneous systems as indicated.
- 24) This Trade Contractor shall include all materials, labor, tools, and equipment required to install a complete and functioning **Power systems**.
- a. Provide all power shown, including work indicated in existing structures.
 - b. Provide all Iso-duct and multi-conductor raceways as shown. Coordinate location, mounting heights, and details with furniture and equipment layouts. Coordinate with construction manager.
 - c. Coordinate and complete connections to Owner furnished equipment as indicated in the contract documents including volume 4.
 - d. Electrical branch circuit distribution systems as required to furnish power and switching to lighting systems, power systems and miscellaneous equipment as shown or required in the contract documents including power supplies to miscellaneous HVAC systems and other items as shown in the contract documents including the architectural, mechanical and plumbing drawings and specifications.
 - e. Receive, install, and wire complete for operation of UPS system(s) furnished by the owner. This includes any "pig-tail", etc. cabling as necessary. Coordinate with UK CNS for activation.
 - f. Provide all conduit and wire for power and data connections for the pneumatic tube system.
 - g. Coordinate and provide connections to systems furniture as indicated in the contract documents.
 - h. This contractor has all power for all auto operators as shown on the door and hardware schedule, architectural drawings, and also shown on the electrical/technology drawings.
- 25) This Trade Contractor shall include all materials, labor, tools, and equipment required to install a complete and functioning **Lighting system**.
- a. Provide all lighting shown, per the Contract Documents.
 - b. Coordinate lighting locations with Architectural Reflected Ceiling Plans.
 - c. Provide low voltage lighting control systems complete. This Contractor shall also provide raceway from lighting control panels to the cable tray. Reprogramming of any existing lighting control panel is to be included as part of this work scope.
 - d. Provide lamps for Owner furnished light fixtures
 - e. This Trade Contractor shall provide wiring, cabling, power, interface, etc. for complete Lighting control system as shown and specified to transmit information to Tridium. Coordinate with TC-189 HVAC Controls as necessary for Tridium connection.
- 26) Trade Contractor shall include all materials, labor, tools, and equipment required to install complete and functioning **Fire Alarm system**.
- a. This Contractor will provide all raceways and cables for fire alarm system.
 - b. Connect to existing systems and coordinate with systems installed in this contract. This includes, but not limited to, FSDs, alarm panels, VFDs, etc.
 - c. Interface fire alarm system with sprinkler system, HVAC controls and elevators.

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- d. For parts and programming costs/details, coordination, etc. The existing fire alarm system in Pavilion A is a Honeywell Building Solutions system - Contact Bryson Lewis (513-377-1743)/bryson.lewis@honeywell.com. Existing Pavilion H and HA fire alarm systems are Simplex.
 - e. This Contractor shall provide Tridium interfaces, programming, naming conventions, etc. complete for the Fire Alarm system. UKMC PPD to create and complete graphics.
 - f. This Contractor to coordinate with UKMC PPD, TC-189 HVAC Controls, and Construction Manager to turn over complete and functioning Tridium system integration.
 - g. TC-189 HVAC Controls to provide programming for other building systems.
 - h. Points shall be named using the following format:
Building_Floor_RoomNumber_System_SubSystem_Component_ShortName_Function
 - i. Coordinate electrical work with the Fire Protection Contractor in order to ensure complete, functioning fire protection system.
- 27) This Trade Contractor shall include all materials, labor, tools, and equipment required to install a complete and functioning **Ground System** as shown. This includes, but is not limited to, the ground for: general building grounding, building structural steel, water services, medical gas, and other MEPT services requiring grounding.
- a. Contractor shall provide grounding and bonding for all equipment that is provided by them and other contractors within the project.
- 28) This Trade Contractor shall include all materials, labor, tools, and equipment required to install complete and functioning **Security and Electronic Access Control system**. Include all requirements contained within the door and hardware specifications and schedules listed on the drawings.
- a. This Contractor will provide and install all cabling and raceways for security system.
 - b. This contractor to furnish and install all Lenel Mercury Systems (or approved equal as specified) controllers, equipment, etc.
 - c. This contractor to furnish and install all camera equipment, video recorder and storage requirements as specified and shown within the documents. Coordinate requirements with Construction Manager and UK.
 - d. Connect to existing systems and coordinate with systems installed in this contract. This includes, but not limited to, cameras, security panels, security devices, etc.
 - e. Interface security system with fire alarm system, HVAC controls, new door openings, elevators, and other "like systems" as required and specified. Provide all programming, graphics, etc. to operated security and door access control systems.
 - f. Provide and install all wiring, cabling, etc. for electrified doors, this includes connections between operators and remote devices. Also include installation of remote devices (i.e. card readers, power supplies, door contacts, key switches, push to exit buttons, shear locks, etc.). Reference door and hardware specifications and "sample" door wiring diagram. This contractor to provide drawings for collaboration and coordination.
 - g. Specific devices will need installation, wiring, and completion by this contractor where they will be supplied by Door Hardware trade contractor but are not part of the pre-installed door hardware. Make sure to include any "like" devices not specifically listed. This list includes but is not limited to: shear locks, position indicator switches (PIR's), key switches, push to exit buttons, and door contacts, etc.
 - h. This contractor shall include wiring of both secure and non-secure doors to complete a functioning door system as specified and shown for each opening.
 - i. This contractor to demo and remove all existing I-Star, wiring, conduit, data ports, card readers, etc. and install blank cover plates (if final design requires) at all existing door locations. Demo to occur after integration of new security access control at these locations.
 - j. Provide tie-in to UK system(s) as specified.

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- k. This contractor is to review the architectural drawings, the door and hardware schedule, and the door hardware specifications for additional card reader and security quantities and requirements. The door and hardware schedule is to serve as a guide for security installations and will supplement the project security drawings.
- 29) This Trade Contractor shall include all materials, labor, tools, and equipment required to install complete and functioning **Integrated Technology systems**.
- a. This contractor shall provide all cable trays. This contractor to supply all raceways as shown on the technology drawings. This Trade Contractor shall provide all cabling, wiring, or otherwise required.
 - i. Contractor shall assume that cable tray shipments will be broken up (1 per area at minimum). These will be released with BIM signoff of each area.
 - b. Provide complete telecommunications and technology systems, including demolition per the contract documents.
 - c. This Trade Contractor shall provide their own cables, wiring, and equipment, finish items, etc. for technology systems including, but not limited to: tele/date, intercom, nurse call, CATV, television, telemetry, physiological monitoring, security cameras, etc.
 - d. This contractor is to install nurse call devices (complete) as supplied by the owner. See vendor drawings included in this document set.
 - e. This trade contractor to complete all fiber terminations in the EIDF/IDF closets including patching between switches, etc.
 - f. Conform to current UK Communications and Network Systems standards for installation and system activation.
 - g. This Trade Contractor is responsible for all sleeves and/or core drilling required for technology systems raceways indicated on the Contract Drawings.
 - h. This contractor to install wireless clocks (clocks supplied by UK). Record all MAC addresses prior to mounting in locations. Coordinate with Construction Manager and UK CNS.
 - i. Provide all grounding and bonding for technology raceway systems included in this contract.
- 30) TC-189 Mechanical/Plumbing contractor will furnish **Variable Frequency Drives (VFD's)** that will be installed by this TC-190 Electrical/Int. Technology Contractor. This contractor shall include equipment pad, strut rack, power, etc. TC-189 controls contractor to provide and install any control cabling and conduit.
- 31) This Trade Contractor shall include all materials, labor, tools, and equipment required to install **ALL raceways, cable, conduit, cable tray, or otherwise** for Electrical, Communications/Technology, Security, Integrated Technology systems as shown on the electrical, technology, and security drawings or as required for complete systems. Coordinate power with existing building electric panels and circuits. **This contractor to provide all conduit/raceways for ALL low voltage installations as applies to this scope of work.**
- 32) This contractor is to include ALL low voltage wiring in EMT – “stringing” of low voltage wiring above ceilings will not be allowed. Only 12” of wiring will be allowed to be exposed to the devices. Examples of this but not limited to wiring for such devices: LED lighting, room occupancy sensors, Hill-Rom relay from BU to light.
- 33) This Trade Contractor shall provide and install any **curbs and/or housekeeping pads, concrete anchors** for all equipment, etc. contained in this work scope. This includes pads that are not shown on the contract drawings, yet required for the work of this contract. This includes concrete for any pre-purchased equipment by the owner. This Trade Contractor shall coordinate size and layout of pads.
- 34) Include **100 hours of Journeyman overtime work hours** to be used for schedule maintenance by the Construction Manager. The trade contractor must include all travel, per diem, fringes, OH&P, etc. costs (a fully loaded rate) on these hours and they are only to be used by the trade contractor at the direction and approval of the Construction

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Manager. These hours will be logged and usage tracked. Usage of these hours can occur during the week or on Saturdays – no Sundays are intended.

- 35) This contractor is to provide the **Fire Rated Plywood** mounting board for all electrical, EIDF, IDF and any technology rooms. Install per specifications and UK CNS standards. This contractor is to paint plywood before installation of equipment.
- 36) This Trade Contractor interfaces with many systems; owner-furnished equipment, IT, Commissioning, Test and Balance, etc. This requires participation in many meetings - include costs for the Technology contractor's project manager to attend these meetings.
- 37) All cable routes shall be run per BICSI standards and as called out in the project specifications. Particular attention should be made to maximum cable lengths allowed.
- 38) Provide ten (10) **additional CAT6A data cables** drop assuming 250' in length for building controls and lighting control. Terminate at device and IDF/EIDF panels. Coordinate with TC-189 HVAC Controls contractor.
- 39) All systems must meet **seismic and structural requirements** as indicated on the structural drawings.
- 40) **Verify locations and requirements** of all equipment and devices indicated on the panel schedules and mechanical, electrical, plumbing and architectural/equipment plans. This Trade Contractor is responsible for all connections and field wiring as indicated and as specified. Size all branch circuits and conduits, unless directed otherwise, to facilitate the installation of all equipment and devices for a complete and operating facility in accordance with the documents and applicable Codes.
- 41) Provide and install all support and all **blocking** for all Electrical & related equipment and cabinets. All equipment supports, isolators, and conduit supports required to complete this scope shall be furnished and installed by this Trade Contractor. This includes any miscellaneous metals, hangers, bridging, etc. Structural supports associated with any items installed in Trade Contractor's work.
- 42) This Trade Contractor shall provide any temporary testing equipment/panels required to test all systems without disruption to existing systems. Once successfully tested, commissioned, and verified they are free from "ground fault issues" -- new systems will be integrated with existing systems. This is particularly important for the Fire Alarm system – expectations is to have zero or near zero "troubles" on the existing fire alarm system upon connection.
- 43) Perform all **electrical testing** of new and existing electrical systems including emergency systems as outlined in the Contract Documents and per Governing Codes required to verify correct system operation including proper coordination of system interruption ratings. Short circuit/coordination study will be performed by this Trade Contractor. Provide data, including but not limited to feeder lengths, required to facilitate the short circuit / coordination study. Adjust all breaker trip settings as recommended by the coordination study and the commissioning agent.
- 44) This Trade Contractor is required to **label and identify** all panels, circuits, devices, etc., associated with this contract as required by the design documents. All labels will be in accordance with UK Standards and approved text. Provide a submittal of all labeling for review and approval prior to fabrication and installation.
- 45) This Trade Contractor shall furnish and install all sleeves and blockouts for this contractor's penetrations of walls, floors, and roof. The cutting of metal deck as required to install the work shall be included. Any reinforcement of the deck that is required but not shown on the structural drawings is to be included in this work. This Trade Contractor is responsible for all curbs, thimbles, counter flashings, clamping rings, sealants, etc., required at roof penetrations of material and equipment covered by this work. This would include but not be limited to vents flashings, and any special curbs or flashing required.
 - a. Per UK standards, all sleeves/blockouts shall be a minimum of 1.5" above finished floor. This work scope shall include "metal collars" (sealed) as necessary for any existing or new sleeve installations not 1.5" above the finished floor elevation (not concrete elevation). This Trade Contractor is responsible for protection of all sleeves installed for (or existing) their scope of work.

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- b. This contractor is to gain fire stopping inspection at the floor level PRIOR to installing the 1.5" metal collar. The installation of the metal collar and floor fire stopping shall not be in one action preventing proper fire stop inspection.
- 46) This Trade Contractor shall **verify framed openings** on the structural drawings are coordinated with the integrated technology scope of work.
- 47) All **roof penetrations** are to be included in this work scope. This contractor is to include all costs to repair/tie-in/patch the existing roofing utilizing the warranty roofing contractor of record. This includes any work included in this contract. Any roof or floor protection required for the movement of workmen or equipment is to be included.
- 48) This contractor to **seal** all existing system installations contained in or similar to this work scope. This includes acoustically, fire, or otherwise sealing around existing piping, conduits, supports, etc. This also includes installation of the correct UL listed assemblies and labeling of existing installations through new partition walls.
- 49) Include any **core drilling** required for all conduit penetrations, "poke throughs", etc. at all floors and walls. These penetrations are to be in a neat and workmanlike manner. Coordinate all wall openings with the trade involved. Core drilling in areas where there is substantial slab reinforcement may be prohibited. All cores must be submitted to the Structural Engineer for review prior to coring. All floor and wall penetrations must be coordinated with the Construction Manager prior to floor or wall construction. Include labor for "look out" person (labor) at below slab floor locations above existing spaces.
- 50) All openings installed under this scope are the sole responsibility of this contractor to ensure that they are **water tight** prior to their end of shift. This contractor shall coordinate openings with proper trades.
- 51) This Trade Contractor shall provide labor and material to receive and install transformers for **Patient Lifts** and make 110V connections to all transformers as required. Install above ceiling in location coordinated with and approved by Patient Lift Vendor.
- 52) The equipment pre-purchased by the Owner is identified in Volume 4 and Division 1 specifications. This subcontractor (also referred to as "Installing Trade Contractor" for applicable equipment) is responsible for the coordination, installation, and all other miscellaneous provisions for this equipment as if it were purchased directly by this subcontractor. This includes temporary weather protection and storage maintenance (lube, rotation, etc.) until turned over to the owner. For owner furnished equipment which may have utility connection requirements, provide rough-in and final connections to the Owner furnished equipment and coordinate complete installation as required. Coordinate any utility work shown on documents with the appropriate subcontractor. This includes things of "like scope" items listed as associated with this work scope such as: clocks, lights, nurse call, etc.
- a. The above equipment may come with loose **miscellaneous accessories** such as sensors, switches, power filters, etc. and multiple points of connection over and above what is called for in the documents. This Contractor shall provide any miscellaneous piping, wiring, testing, etc. to make the equipment fully operational.
- 53) This trade contractor is to coordinate, provide, and install all power and data necessary to the Owner provided **headwall assemblies**. Contractor shall make final connections after headwalls are installed. Contractor is responsible for all wire and cable necessary to be pulled through headwall. Contractor shall include all terminations needed to make the headwall a working assembly. Contractor is responsible for final testing of all outlets in the headwall. (see drawings A397 and A398 for more details)
- 54) This Trade Contractor shall provide **access doors** required for the operation and maintenance of its work, including areas where there are inaccessible ceilings or walls. This Trade Contractor shall also be responsible for any access doors which may be required at the connection to existing systems. Ceiling and wall access doors will be turned over to Drywall/Ceiling Contractor for installation. All access doors must meet or exceed the fire rating of contiguous construction and must be consistent with the architectural finish of the area in which they are installed. The locations of access doors must be detailed and approved prior to installation. This contractor is required to turn over a signed (by both contractors) transmittal acknowledging transmission and receipt of said access doors for installation.
- 55) It will be the responsibility of this contractor to pay for repair of any **fireproofing** destroyed during installation of this trade contractor's work.

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- 56) This Contractor shall participate in **Electrical Commissioning** per the specifications.
- 57) Include temporary removal/support of existing devices in all demolition areas.
- 58) This Trade Contractor will connect to **electrical systems installed in previous contracts**. Some of these systems are not currently in operation. This contractor shall review and assume responsibility for testing and operation of these systems. Such systems include, but not limited to; power, lighting, technology, security, etc.
- 59) This contractor shall include all costs for overtime/shift work required for existing utility outages to connect new systems installed in this contract. Submit an **Outage Log** for all expected outages within 10 days of contract award.
- 60) This Trade Contractor shall furnish and install all electrical equipment not provided by the Owner, including but not limited to, light fixtures, panels, transformers, etc. as indicated on the contract documents.
- 61) Include all costs for all "after normal business hours" Life Safety Inspections required by the inspection agency including trades related over time exposure.
- 62) This Contractor will closely coordinate his work with the installation of **casework**. Make provisions to adequately support piping to allow the installation of the casework to proceed unimpeded. Receive, handle, install any electrical accessories, and make all necessary connections.
- 63) This Trade Contractor shall participate in the coordination process using 3-D **Building Information Modeling (BIM)** as outlined in **Attachment "H"**, in lieu of the conventional 2-D drawing process. All costs for the BIM process for this scope of work shall be included in the base bid. Include the scheduled BIM Allowance for Vicon/Box server use and hardware/software. This allowance is not for the use of the MEP trades for their coordination. Each BIM participating Trade Contractor is responsible for updating contract and field changes in the BIM model throughout the project. All trades will need to coordinate structural support hangers. It is imperative that the coordination begin immediately after contract award to meet the schedule milestones. The details of sequencing and timing of this process will be discussed immediately after contract award. Provide required resources to coordinate, purchase, fabricate, and deliver materials to meet the schedule installation start dates.
- 64) This Contractor shall provide BIM modeling of all Electrical and Low Voltage Systems including coordination with Wall Framing, Backing, toilet partition supports, moveable partitions, overhead doors, projection screens, smart boards, monitors, supports for patient lifts, above-ceiling structural frame mounting for medical equipment including Medical Booms, Radiology Equipment, Unitstrut Support Systems, Boom Support Structures, etc. (reference Volume 4, Vendor Drawings and Div. 1 specs). This Trade Contractor shall also provide BIM Modeling of all in wall conduit and in wall j-boxes. This Trade Contractor shall base the BIM models on shop drawings and coordinate with installing contractors of these materials; reasonable abstractions for space allocation of these items is acceptable. Update the BIM model based on approved shop drawings as needed.
- 65) This Trade Contractor shall be responsible to reflect the actual location of electrical and technology systems where connections are to be made with **existing work** in the BIM model.
- 66) The intent is to utilize the coordination in the 3D model to prefabricate off-site as much material as possible. The intent of the in-wall BIM is to prepare for pre-fabrication of all in-wall components to develop a kit-of-parts for just-in-time delivery of materials. All materials possible will be pre-fabricated and packaged for Just-in-Time delivery at the job site and be on wheels for delivery to the area of install. No pre-packaged or loose materials to be delivered to the job site that will not be installed within 4 days of delivery.
- 67) This Trade Contractor shall also include an additional **80 hours** of BIM coordination to be used at the Owner/CM's discretion.
- 68) This Trade Contractor shall provide ALL **firestopping** associated with this scope of work in accordance with the contract documents, including identification per the specifications. This includes firestopping for all penetrations associated with this scope of work, including core drilled penetrations and sleeves installed by others for this scope of work. Additionally, this Trade Contractor shall ensure that sleeves installed in this scope of work for future fit-out areas maintain appropriate fire ratings around the shelled areas, and that they are installed so as not to inhibit future installation of piping or other systems. All penetrations created by this Trade Contractor shall be coordinated with other applicable trades and performed in a neat and workmanlike manner.

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Provide a Mock-up of all anticipated firestop penetration types to be used, provide data sheets of all firestop systems in Mock-up for review and acceptance prior to work in place.

- 69) This Contractor shall provide **an equipment list** for all equipment installed under this scope of work, including but not limited to, description, identifier, room location, manufacturer, supplier, installing contractor and areas served, in a standard format acceptable to UK (UKMC PPD Preventative Maintenance equipment Excel format listing).
- 70) This contractor is to provide all required labor and materials for installation of conduits and wires, both internal and external, for the complete operation of the owner provided Air Handler Units on the 3rd floor.
- a. This contractor is responsible to coordinate start up for all VFDs associated with the Air Handler
 - b. This contractor is responsible for all connection lugs for AHUs and VFDs
 - c. This contractor shall provide conduit and wire from each individual motor to a single J-Box for each VFD
 - d. This contractor shall provide all conduit, wire, disconnects, and switches for all service outlets and lighting.
- 71) This contractor is to provide all required labor and materials for installation of the Medical Vacuum Pump and Medical Air Compressor skids on the 3rd floor.
- 72) This contractor is to provide all labor and materials for installation of conduits and wires for all power wiring required for operation of the 13th floor exhaust fans.
- 73) Include two (2) 30A circuits for welder to be used by TC-189 Mechanical and Plumbing contractor and owners vendor during installation of the AHU. Contractor provide and install any breakers, wire, outlets, conduit and/or accessories needed for a complete installation. Assume that the electrical panels these will be pulled out of are within 150 feet.
- 74) This contractor is to provide conduits for new Dock Leveler as shown on drawing A500 and E300. Contractor shall provide all wire and wire up new control panel. Contractor shall include running conduit to power panel. Assume a 60 foot conduit run from the power panel. Contractor shall include providing and installing a new breaker for the dock leveler and landing the wire. Contractor is to assume that all this work is to be done on OFF HOURS. (ADD #5)
- 75) This contractor is to provide a full time on-site project superintendent to assist in the coordination of the project. This person is to have no labor responsibilities onsite. They shall be management only. (ADD #5)

F. CONSTRUCTION SCHEDULE

Contract Price is based on the project schedule included in the bid manual and as clarified within these Additional Provisions.

G. WORK EXCLUDED

This Scope of Work shall exclude the following

- 1) Payment & Performance Bond

H. ALTERNATE PRICES

- 1) None

Alternates shall be complete for providing only the Work with no other credits. All alternate prices are to be priced as stand-alone alternates. Any number of alternates, or no alternates, may be accepted as part of this Work.

Indicate Add/Deduct Price on the BID FORM

I. ALLOWANCES

The following Allowances **are to be included in the base bid:**

- 1) BIM 3-D Server Allowance \$ 7,500

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2) Alterations Allowance	\$ 20,000
3) Existing Penetrations Fire Stopping Allowance	\$ 2,000
4) 3 rd Floor Mechanical Room Relocation Allowance	\$ 5,000
5) Relocate Existing Cameras Allowance	\$ 5,000 (ADD #5)

The above allowances are to be included in the base bid/Subcontract Price. All overhead and profit related to the Work performed under each Allowance is to be included in the Base Bid/Subcontract Price. Only direct Labor and Material costs authorized in writing by the Construction Manager after approval by the Owner are to be charged to the Allowance. Progress Payments will be made against Allowance expenditures, based on approved monthly invoices & writing Allowance Authorization from the Construction Manager/Owner. Any unused funds remaining in these allowances will be credited back to the Project.

J. UNIT PRICES

The following unit prices are applicable for changes in the Work. The unit prices are for Work complete and in place and include all costs such as material, labor, equipment, freight, taxes, insurance, fringe benefits, and overhead and profit. Also include costs for coordination with other trades work where applicable. In the event the unit prices quoted exceed industry standards or fair market value, the Turner reserves the right to request pricing for changes at cost plus allowable mark-up for overhead and profit or a lump-sum under the terms of the Agreement

- 1) Labor Rates - Submit detailed labor rates to Turner Project Manager for approval. Detail shall show all fringes, benefits, taxes, insurance, markups, and any other add-ons to allow verification of rate.
 - See "Form of Proposal" (Bid Form) for bid day information. The apparent low bidder will submit detailed breakdown with-in 24 hours after bid day.
- 2) Equipment Rates – Submit detailed rates for equipment that may be used on project, and may be part of change order pricing.
- 3) Provide added drops per specifications in stud walls (based on a 35' of conduit to cable tray and cable back to closet within 100', activated) during open wall construction.

Type-2	\$ _____/ea
Type-TV	\$ _____/ea
Type-CM	\$ _____/ea.
- 4) Provide added drops per specifications in stud walls (based on a 35' of conduit to cable tray and cable back to closet within 100', activated) after wall construction ("Cut-in box, "flex" conduit fished-in wall, above ceiling box and conduit to cable tray with ceilings and pads in place).

Type-2	\$ _____/ea.
Type-TV	\$ _____/ea.
Type-CM	\$ _____/ea.

END OF TECHNICAL SCOPE OF WORK

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FORM OF PROPOSAL
SUPPLEMENTAL INFORMATION

THE FOLLOWING INFORMATION PERTAINS TO ALL TRADE CONTRACTORS

NOTE: MUST BE SUBMITTED WITH THE BID SUBMITTAL.
Failure to comply will result in rejection of Bidder's Proposal.

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.

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

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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.

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 nonresponsibility with respect to the Bidder. A copy of the Contractor Determination of Responsibility questionnaire is available upon request to all Bidders.

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TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

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.

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. Goal is 10% MBE/WBE

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

This proposal includes _____% certified MBE participation

This proposal includes _____% certified WBE participation

If your firm has no minority or women owned subcontractors or suppliers, it is required that you complete the list of minority and/or women owned businesses below. List the names of firms that were solicited to bid the project and describe why they were not successful (i.e. not low bid, did not respond, etc).

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

RECORD OF MBE/WBE SOLICITATION

_____ Certifies that the following

BIDDER'S NAME

Minority/Women-Owned firms were contacted to solicit pricing as subcontractors/suppliers for Invitation to Bid No. _____. The following firms were not selected for use on this project for the reasons stated in the **RESULT** column.

This list of Minority or Women owned firms is to be executed and submitted as a part of the Bidder's Proposal. Failure to comply will result in rejection of Bidder's Proposal.

<u>FIRM NAME</u>	<u>MBE/WBE</u>	<u>WORK ITEMS SOLICITED</u>	<u>RESULT: NO RESPONSE OR NOT LOW BIDDER</u>

Signature

Date

Title

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

LIST OF MATERIALS AND EQUIPMENT

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC- _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF TRADE CONTRACT)

The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

ITEM	MATERIALS AND EQUIPMENT	BRAND OR MANUFACTURER
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Attachment "B"
SCOPE OF WORK
TC-190 – ELECTRICAL & INTEGRATED TECHNOLOGY

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

The apparent low bidder will be required to furnish this information within 24 hours of bid submittal. Failure to comply will result in rejection of Bidder's Proposal.

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.

CONTRACTOR NAME & ADDRESS: _____

TRADE CONTRACT: TC - _____ SCOPE OF WORK: _____
(INSERT NUMBER) (INSERT NAME OF BID CATEGORY)

DIVISION OF WORK

NAME AND ADDRESS OF SUBCONTRACTOR



BP-3_ADDENDUM NO. 5

BY: GBBN Architects, Inc.
609 W Main Street
Louisville, KY 40202
502.583.0700

Subject: Renovate/Upgrade UK Healthcare Facilities
Pavilion A 5th Floor
UK # 2402.9

FOR: University of Kentucky
222 Peterson Service Building
Lexington, KY 40506

TO: All Bidders of Record

Acknowledge receipt of this Addendum by inserting its number and date in the space provided on the Bid Form. Failure to do so may subject bidders to disqualification. This Addendum forms a part of the Bidding Documents and revises the Bidding Documents as follows:

PART 1, PROJECT MANUAL

1.1 Section 01-2300 – Alternates

A. Revise Article 3.1 Schedule of Alternates to read as follows:

3.1 SCHEDULE OF ALTERNATES

- A. ALTERNATE 1: Resilient Flooring on Treads in Stair 04 & Stair 05:
1. Contract documents require resilient flooring at Stair 04 & Stair 05 landings and resilient rubber stair treads for half a stair flight up and down to Transfer Level (1044'-11"). Provide an alternate to provide resilient rubber stair treads and flooring at landings down to the Basement Level (693'-0")
- B. ALTERNATE 2: Wall Protection:
1. Provide deduct alternate to use the following quantities of Owner attic stock of finished wall protection running trim:
 - a. Detail 1/i330: HR-1. Owner has 1,165 LF
 - b. Detail 2/i330: HR-1 with Return. Owner has 51 LF
 - c. Detail 3/i330: CR-1. Owner has 56 LF.
 - d. Detail 5/i330: BG-1. Owner has 43 LF.
 - e. Detail 6/i330: CHR-1. Owner has 40 LF
- C. ALTERNATE 3: Solid Surface Fabrications:
1. Provide alternate from the architectural woodwork trade contractor to provide all 12-3100-A002 Solid Surface Countertops, Backsplashes, and Sidesplashes.
- D. ALTERNATE 4: Install Owner Provided Casework:
1. Provide and add for labor and any material needed to install Owner provided casework.



1.2 Section 07-6200 Sheet Metal Flashing and Trim

- A. Section was released in Addendum 4. It is, as of now, omitted from project scope.

1.3 Section 13-4900 Radiation Protection

- A. Section added for Radiation Protection of Room A05026.

1.4 Section 22 4000 Plumbing Fixtures

- A. Edit 2.0 product selection of plumbing fixtures to refer to plans.

PART 2, DRAWINGS

2.1 Sheet A05D.2

- A. Room A05026: Provide 1/32-inch lead lined drywall on room side to 7'-0" above finished floor. Provide 1/32-inch lead lined door. Provide 1/32-inch lead equivalent glass in narrow lite door.

2.2 Sheet A621

- A. Room Finish Schedule, Rooms A05001 and A05047. Revise as follows:
 1. Floor Finish: CT-21/CT-22
 2. Base: ST
 3. Wall: AWT-10 / ST/ WD-2 / PT/ WC (signage)
 4. CEILINGS: ACP-1 & 4 / PT
 5. COMMENTS: 3, 20, 11

2.3 Sheets i500 and i501:

- A. Change Alternate 2 to Alternate 1.

2.4 Sheet E300

- A. Added power for hydraulic leveler.

2.5 Sheet T609

- A. Revised nurse call scope responsibility schedule.
- B. Deleted shade control connection.
- C. Deleted keynote 1 and revised keynote numbering for existing keynotes 2 and 3.



PART 3, ATTACHMENTS

3.1 Specifications

- A. 13-4900 – Radiation Protection
- B. 22 4000 - Plumbing Fixtures

3.2 Drawings

- A. Sheet A621
- B. Sheet E300
- C. Sheet T609

3.3 Sketches:

- A. None

3.4 Bidding Questions

- A. Attached. Note revisions to questions 37 & 44 in addition to new questions added.

END OF BP-3_ADDENDUM NO. 5

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SECTION 13 4900

RADIATION PROTECTION

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes:
1. Lead lined gypsum board.
 2. Lead lined wood doors.
 3. Lead lined metal frames for lead lined wood doors.
 4. Leaded window glazing
 5. Miscellaneous materials required for complete radiation protection in compliance with referenced standards.
- B. Work installed but supplied under other Sections: Division 08 Section – Door Hardware: Hardware for lead lined doors and door frames.
- C. Related Sections:
1. Section 08 1100 - Metal Doors and Frames.
 2. Section 08 1400 - Wood Doors.
 3. Section 08 7100 – Hardware Sets
 4. Section 08 8000 – Glazing
 5. Section 09 2216 – Non-Structural Metal Framing.
 6. Section 09 2900 - Gypsum Board.

1.2 DEFINITIONS

- A. Lead Equivalence: The thickness of lead that provides the same attenuation (reduction of radiation passing through) as the material in question under the specified conditions.

1.3 REFERENCES

- A. Work specified herein shall conform to applicable portions of the following referenced standards:
1. FS QQ-L-201 - Lead Sheet.
 2. NBS - National Council on Radiation Protection and Measurement (NCRPM) Report "Structural Shielding Design and Evaluation for Medical Uses of X-rays and Gamma Rays of Energies up to 10 MeV".
 3. For door frames: ANSI/SDI-100 "Recommended Specifications for Standard Steel Doors and Frames".
 4. For wood doors:
 - a. Referenced standard: "Architectural Woodwork Standards, by The American Woodwork Institute apply to this work.
 - b. References to specific portions of AWI standards shall not nullify unreferenced portions that are intended by AWI to apply to doors of type specified herein.
 5. For lead laminated plywood: U.S. Department of Commerce Standard PS1-83.
- B. Comply with standards in effect as of date of the Contract Documents unless otherwise indicated.

- C. Coordinate and review all work with physicist reported created and supplied by owner.

1.4 SYSTEM PERFORMANCE

- A. Radiation Protection: Contain, without leakage, emitted radiation of equipment measured where directed by Owner with measuring device simulating the emitting equipment, meeting referenced standards and Owner's requirements.
 - 1. Make joints, fasten to substrates, and shield penetrations to maintain indicated lead equivalence at all points and in all directions
- B. Door frame anchorage is critical due to weight of lead-lined doors causing frame displacement. To counteract this problem, jamb studs specified in Section 09 2216 have been made heavier. In addition, however, frame anchorage to studs shall be performed exactly as specified herein, and shall be subject to approval by Architect during and at completion of installation.

1.5 SUBMITTALS

- A. Submit shop drawings indicating thickness of lead, layout, details, dimensions, interface with adjoining work, and details indicating compliance with requirements specified herein. for all items specified herein.
- B. Provide product data on products specified herein.
- C. Submit samples of manufacturer's full range of veneer samples for lead lined wood doors to match veneer provided in Section 08 1400.
- D. Submit manufacturers' installation instructions.
- E. Submit manufacturer's certificate that products and their radiation protection ratings meet or exceed specified requirements.
- F. Fire rating data: Data from approved testing agency indicating compliance with fire rating requirements.

1.6 QUALITY ASSURANCE

- A. Installer: Company specializing in construction of radiation protected facilities with five years documented experience, and approved by manufacturer.
- B. Coordinate pre-machining of lead lined wood doors with door frames.
- C. Manufacturer of wood doors: Minimum 10 years' experience in manufacturing wood doors on projects of comparable quality and quantity.
- D. Leaded window glazing: Minimum 10 years' experience in manufacturing lead equivalency glazing on project of comparable quality and quantity.

1.7 REGULATORY REQUIREMENTS

- A. Conform to applicable codes for integrity of radiation protection and continuity of protected construction.
- B. Comply with NBS - NCRPM Report requirements and any other applicable regulations.
- C. Doors and frames for labeled openings: Comply with specifications and procedures of testing agency meeting code requirements of Kentucky Building Code; label with name of testing agency and manufacturer's name and file number.

1.8 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to site in manufacturer's original packages with seals unbroken, marked with contents and manufacturer's name.
- B. Store at site in a manner to prevent damage or deterioration in accordance with temperature, moisture, ventilation and other requirements of manufacturer.
- C. Lead lined wood doors:
 - 1. Comply with requirements of referenced standard and manufacturer's written instructions.
 - 2. Store doors at site within building or similarly protected, well ventilated and dry area, with relative humidity between 30 percent and 60 percent. Keep out of sunlight.
- D. Leaded window glazing
 - 1. Comply with requirements of referenced standard and manufacturer's written instructions.
 - 2. Store glazing at site within building or similarly protected, well ventilated and dry area. Keep out of sunlight.

1.9 WARRANTY

- A. For lead lined wood doors, provide manufacturer's warranty for products, materials and workmanship to be free of defects in compliance with "Federal Warranties Law" for lifetime of installation.

PART 2 PRODUCTS**2.1 LEAD LINED GYPSUM BOARD**

- A. Acceptable Manufacturers:
 - 1. Amerope Enterprises, Inc.
 - 2. NELCO.
 - 3. Ray-Bar Engineering Corp.
 - 4. Radiation Protection Products, Inc.
- B. Lead lined gypsum Board: ANSI/ASTM C1396, paper faced, tapered edges and square ends; 48 inch by 96 inch by 5/8 inch thick,
 - 1. Fire-rated as indicated on Drawings.
- C. Provide finishing materials, accessories, and trim complying with Division 09 Section Gypsum Board.
- D. Lead thickness: as indicated

2.2 SHEET LEAD

- A. Acceptable Manufacturers:
 - 1. Amerope Enterprises, Inc.
 - 2. NELCO.
 - 3. Ray-Bar Engineering Corp.
 - 4. Radiation Protection Products, Inc.
- B. Sheet lead: FS QQ-L-201, Type C, 99.99 percent pure unpierced virgin lead, free from dross, oxide inclusions, scale, laminations, blisters, and cracks.

1. Lead thicknesses: As indicated
 2. Variation in sheet thickness: Not to exceed 3 percent.
- C. Batten strips: 2-inches wide, at all gypsum and plywood joints
1. Batten strip lead thickness to match lead thickness called out for wall assembly
 2. Batten strip to overlap joint 1-inch minimum each side of joint.
- D. Back box wrap: Wrap all openings within wall assembly with minimum 6-inch overlap
1. Back box wrap thickness to match lead thickness called out for wall assembly

2.3 ACCESSORIES

- A. Lead headed screws for lead lined gypsum board: Manufacturer's standard.
1. Lead headed screws lead equivalency to match wall lead thickness
- B. Lead tabs or disks: to cover the fasteners at lead laminated plywood and option to cover screws in gypsum board or plywood in lieu of lead headed screws.
1. Lead tabs or disk lead equivalency to match wall lead thickness.

2.4 LEAD LINED WOOD DOORS

- A. Acceptable manufacturers shall be any of the following manufacturers provided that they meet requirements specified herein:
1. Algoma Hardwoods, Inc
 2. Eggers Industries.
 3. Marshfield Door Systems.
 4. VT Industries
- B. Door quality: Flush panel construction Premium Quality Grade per AWI unless otherwise indicated or noted.
- C. Door type: Solid core construction, veneered.
- D. Prior to fabrication, field measure openings for exact fit of each door.
- E. Fabricate doors per Section 08 1400, to accurate fit in accordance with field measurements and NWMA standards.
1. Lead lining thickness: As indicated
 2. Fire-rated (labeled) and 20-minute doors: Same construction as specified herein for non-labeled solid core doors except as modified for approved, labeled construction.
- F. Fabricate under pressure with adhesive with monolithic sheet lead bonded between two solid core wood leaves to form rigid door lead, 1-3/4 inch finished thickness. Trim lead flush with door edges.
- G. Seal top and bottom rails with opaque wood preservative to prevent moisture penetration.
- H. Clearances unless otherwise specified or required:
1. Jambs and heads: 1/8 inch. Bevel lock/latch edge 1/8 inch in 2 inches; optional beveling of hinge edge 1/8 inch in 2 inches if approved by and coordinated with hardware supplier.
 2. 1/2 inch above finish flooring.
- I. Hardware:

1. Pre-machine doors for rabbeted, mortised and concealed hardware from hardware templates and (as necessary) hardware sample. Coordinate work with door frames.
2. Unless otherwise indicated, specified or in conflict with manufacturer's standard, locate hardware in accordance with "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by Door and Hardware Institute. Provide for handicapped requirements.

2.5 LEAD LINED DOOR AND WINDOW FRAMES

- A. Acceptable manufacturers shall be any of the following manufacturers provided that they meet requirements specified herein:
 1. Manufacturer who are a member of S.D.I. and provide products meeting S.D.I. standards and complying with specified requirements.
- B. Steel: Commercial quality meeting following requirements:
 1. Cold-rolled: Carbon steel, Type E, matte finish: ASTM A366.
- C. Lead lining thickness: As indicated.
- D. Supports and anchors: 18-gauge minimum.
- E. Shop primer: Manufacturer's standard rust-inhibitive primer suitable as base for finish paints.
- F. Silencers: Frame manufacturer's standard; 3 per single door; 2 per pair of doors.
- G. Workmanship: Fabricate units rigid, neat, and free from defects. Dress welds on sight-exposed surfaces flush and smooth, invisible when prime painted. Fabricate in largest sizes practicable.
- H. Frame construction:
 1. Joints machine mitered, arc-welded on faces, and ground smooth.
 2. Minimum gauge: 14 gauge.
 3. Wall anchors: Steel of suitable design, not less than 18 gauge minimum; minimum 6 per jamb. Locate bottom anchor immediately above stud shoe, then 6 inches up, then evenly spaced.
 4. Floor anchors: Minimum 18 gauge welded to each jamb.
 5. Spreader bars: Provide one removable spreader bar; tack weld to bottom of jambs.
 6. Door silencers: Drill holes for 3 door silencers; ship loose.
 7. Stops: Manufacturer's standard matching frame construction.
 8. Install lead per lead and frame manufacturer's standards and referenced standards.
- I. Finish hardware preparation:
 1. Prepare units to receive finish hardware, including cutouts, reinforcing, drilling and tapping with templates from hardware supplier in compliance with referenced standard.
 2. Reinforcing plates unless otherwise indicated in referenced standard: 10 gauge for hinges; 14 gauge for other hardware.
 3. Cover boxes for cutouts: 26 gauge welded to back of frame.
 4. Location of hardware: Per referenced standard and in compliance with handicapped requirements.

2.6 LEADED WINDOW GLAZING

- A. Radiation Shielding Leaded Glass: Clear leaded glass containing 48 percent lead oxide (by weight) and 15 percent barium. Thickness as required to provide radiation protection equivalent

to that provided by sheet lead in partition in which lead glass is installed.

- B. Radiation Shielding X-Ray Safety Glass: Lead glass laminated to clear float glass to comply with applicable building codes for safety glass.
 - 1. Total Thickness: 17/32 inch (13.5 mm).
 - 2. Outer Lite: 5/16 inch thick leaded X-Ray glass (2.1mm lead equivalency).
 - 3. Interlayer: 1/16 inch (1.5 mm) thick PVB.
 - 4. Inner Lite: 5/32 inch (4 mm) thick clear float glass

PART 3 EXECUTION

3.1 INSPECTION

- A. Verify that substrate construction is ready to receive work and opening dimensions are as indicated on shop drawings.
- B. Beginning of installation means acceptance of existing substrate.

3.2 INSTALLATION

- A. Apply lead patches around penetrations to sheet lead protection, extending 6 inches beyond penetration.
- B. Install components and accessories in accordance with manufacturer's instructions. referenced standards and Owner's requirements.
- C. Door frames:
 - 1. Place frames prior to construction of walls and ceilings.
 - 2. Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set. At stud partitions weld anchors to studs. (Refer to Part 1 herein for critical nature of frame anchorage.)
 - 3. At completion of wall construction, remove temporary braces and spreaders; grind smooth and touch up with prime paint areas left rough after removal of temporary braces.
 - 4. Install hardware in frames per hardware manufacturer's instructions and recommendations.
 - 5. Door silencers:
 - a. In frames specified in other sections to be fully grouted install silencers prior to installation of grout to prevent holes from being plugged with grout material.
 - b. In frames not to be filled with grout install silencers immediately prior to hanging of doors.
- D. Install lead lined gypsum board panels as indicated on shop drawings; use lead headed screws; install accessories and perform finishing as specified in Section 09 2900.
 - 1. Apply lead patches around penetrations to sheet lead protection, extending 6 inches beyond penetration.
- E. Wood doors:
 - 1. Hang plumb, square, and true to accurate fit with clearances specified. Maintain clearances required by labeling agency for labeled doors.
 - 2. Install hardware in accordance with hardware manufacturer's instructions and recommendations.
- F. Install leaded glazing in prepared lead lined door in accordance with manufacturer's instructions.
- G. Designating Plaques: Provide at Lead Lined Rooms; bakelite plastic of sufficient size to contain the required information. Plaques shall be clearly lettered indicating thickness of lead in partitions

and height above finished floor. Where partitions contain different thicknesses of lead, the height and thickness of lead for each area shall be designated.

3.3 FIELD QUALITY CONTROL

- A. Inspection and testing will be performed by a licensed radiologist technician in coordination with regulatory agency requirements to ascertain conformance to NBSA - NCRPM standard requirements regarding radiation passage or leakage.
 - 1. Contractor is responsible for repairs or replacement of defective work and additional tests required to meet requirements of testing requirements.
- B. Designating Plaques: Provide plaques in areas of radiation protection clearly lettered indicating thickness of lead in partitions and height above finished floor.
 - 1. Where partitions contain different thicknesses of lead, the height and thickness of lead for each area shall be designated.

3.4 ADJUSTMENT AND CLEANING

- A. Adjust or replace items as necessary, and as directed by Architect.
- B. Adjust doors to proper fit and swing; leave in perfect operating condition.
- C. Adjust hardware, installed herein, for doors for proper operation and function; leave in operating condition acceptable to Architect.
- D. Clean exposed paintable surfaces to paintable condition.
- E. Clean prefinished surfaces to new condition. Clean glazing per manufacturer's recommendations.

PART 4 ATTACHEMENTS

4.1 RADIATION SHEILDING PLAN

- A. Radiation Shielding Plan to be provide by Owner after bid.
 - 1. Room A05026: Provide 1/32-inch lead lined drywall to 7'-0" above finished floor. Provide 1/32-inch lead lined door and frame. Provide 1/32-inch equivalent lead lined glazing.

END OF SECTION

SECTION 22 4000 PLUMBING FIXTURES

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This Section lists plumbing fixtures and accessories including method of installation.

1.2 RELATED WORK

- A. Section 22 1118 - Water Distribution System
- B. Section 22 1314 - Sanitary Waste and Storm Drainage Systems

1.3 REFERENCE

- A. Work under this Section is subject to requirements of Contract Documents including General Conditions, Supplementary Conditions, and sections under Division 01 General Requirements.

1.4 SUBMITTALS

- A. One package of manufacturer's technical data for all items. Submittal shall be assembled brochure, showing cuts and full detailed descriptions for each item.
- B. Shop drawings on items specified herein.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Refer to schedule on drawings for detailed fixture selection criteria .
- B. Materials as specified shall be new unless otherwise noted.
- C. Vitreous china fixtures shall be of highest quality, non-absorbent, hard-burned, and vitrified throughout.
- D. Enameled ware shall be quality cast iron of uniform thickness and density, glazed to uniform depth and high gloss rubbed smooth, without chips or flaws, craze, or cracks, and completely acid resisting.
- E. Stainless steel fixtures shall be 302/304 types of non-corrosive steel, 18 ga. self-rim for cabinet sinks, 14 ga. for free standing compartment type sinks. Sink material shall have satin finish and coved corners, with faucet holes punched to match specified faucet fitting.
- F. Precast receptors and shower basins shall be built up base and tile. Receptor and basin colors shall be standard colors unless otherwise noted. Assembly of drain to waste piping shall be made from floor level on which basin or receptor is installed.
- G. Insulation for traps and supplies shall be molded closed cell vinyl insulation and shall meet ASTM E84 for flame and smoke spread. Insulation shall be vandal resistant and be color as listed.

2.2 MANUFACTURERS

- A. Plumbing fixtures shall be provided from list of approved manufacturers. Home Market, Generic Broker, or Wholesaler's house brands are not acceptable.

2.3 PLUMBING FIXTURES

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install plumbing fixtures as recommended by manufacturer. Caulk around fixtures mounted on irregular surfaces such as tile or stone with silicone sealant, same color as fixture.
- B. Support fixtures with proper carrier for each use. Insure that carrier is solidly anchored to prevent rocking whatever piping is used. Anchor bolts in carrier foot shall extend 3" minimum into concrete slab.
- C. Fixture carriers shall be suitable for securing each plumbing fixture in place solidly, yet allowing its removal when necessary. Carriers shall be capable of mounting "Barrier Free" fixtures at suitable heights.
- D. Install each fixture with trap easily removable for servicing and cleaning. Install fixture stops in readily accessible location for servicing.
- E. Install barrier free fixtures in compliance with local code and Federal ADA Accessibility Guidelines. Install barrier free lavatory traps parallel and adjacent to wall and supplies and stops elevated to 27" above finished floor to avoid contact by wheelchair users.
- F. Return fixture waste and supply piping into wall as high as practical under fixture. Provide accessible shutoff in fixture supply. Protect "barrier free" supply and drain piping with white colored wrap neatly trimmed to prevent contact with hot or sharp surfaces by user.
- G. Provide individual supplies to fixtures and rough-in fixture piping with adequate support to prevent movement fore, aft and laterally. Provide additional blocking as required.
- H. Install flush valves for barrier-free water closets with operator handle facing wide side of toilet stall.
- I. Provide unions at water connections to drinking fountains and electric water coolers.

3.2 PROTECTION

- A. Protect finished surfaces of fixtures from accidental damage or discoloration by use of protective covering.

3.3 CLEANING

- A. Prior to Owner acceptance, clean fixtures with compounds recommended by manufacturer and remove stains and marks from surrounding walls and countertops.

END OF SECTION

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PROJECT ARCHITECT
609 West Main Street
Louisville, KY 40202
502.583.0700
GBBN.0700



Renovate/Upgrade
UK HealthCare
Facilities
Pavilion A 5th Floor
Project Number: 2402.9

OWNER

University of Kentucky
222 Peterson Service Building
Lexington, Kentucky 40506

CONSTRUCTION MANAGER

Turner Construction Company
588 Leestown Road Suite 130-300
Lexington, KY 40511
859.421.4913

CONSULTANTS

MEP CONSULTANT

AEI Affiliated Engineers, Inc.
10 South LaSalle Street, Suite 2700
Chicago, IL 60603
312.977.2800

MEDICAL EQUIPMENT

BSA Life Structures
9365 Counselors Row #300
Indianapolis, IN 46240
317.819.7878

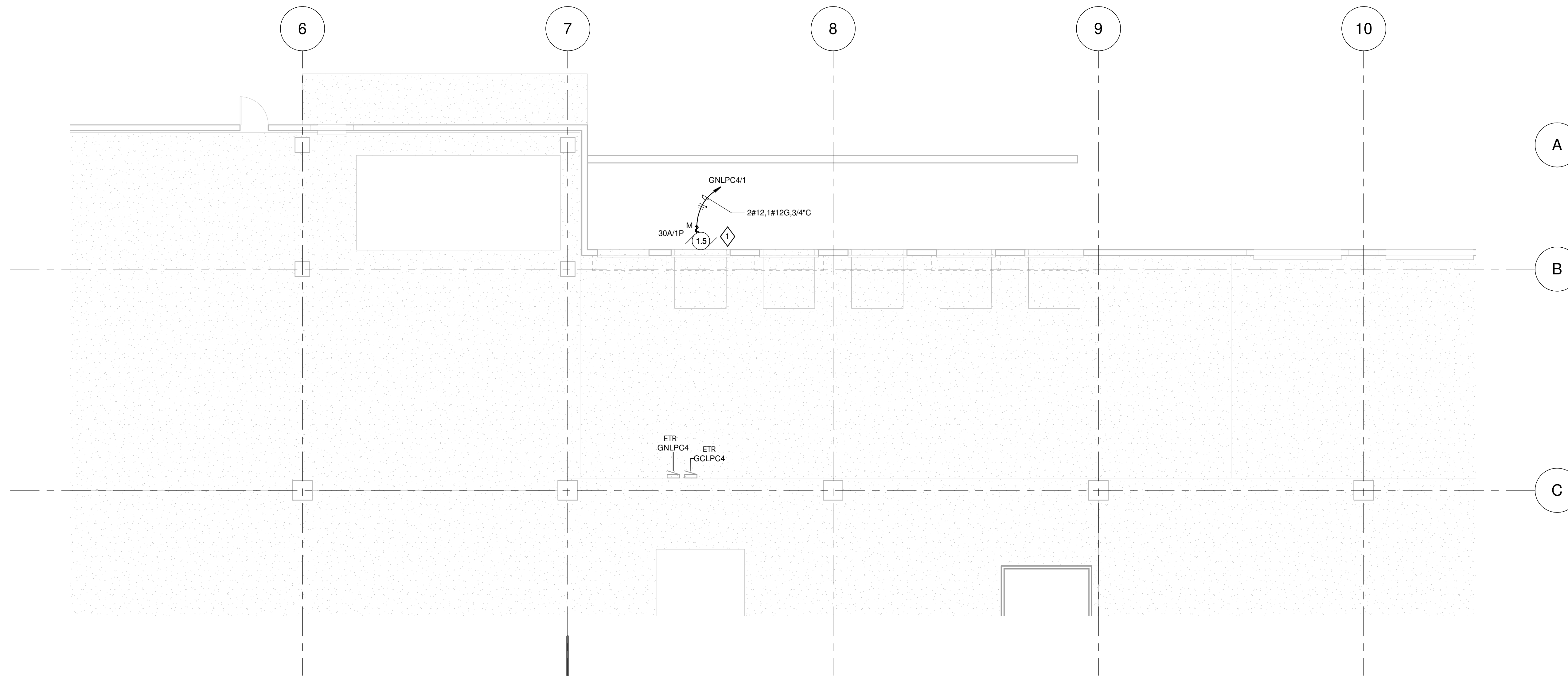
Pavilion A 5th Floor PAVILION A, 1000 S. LIMESTONE, LEXINGTON, KY 40536

ELECTRICAL POWER GENERAL NOTES

- ALL IDF AND MDF ROOMS SHALL COMPLY WITH UK IT FACILITY STANDARDS.
- CONDUCTOR SIZES ARE BASED ON COPPER THHN/THWN IN METALLIC RACEWAY. 60°C CONDUCTOR USED FOR AMPERAGES LESS THAN 100. 75°C CONDUCTOR USED FOR AMPERAGES GREATER THAN OR EQUAL TO 100.
- VERIFY EQUIPMENT LOCATIONS AND CONDUCTOR LENGTHS PRIOR TO INSTALLATION. CONSULT ENGINEER IF INCREASED CONDUCTOR LENGTHS RESULT IN UNACCEPTABLE VOLTAGE DROP (3% OR GREATER).
- ALL RACEWAYS ARE TO CONTAIN NO MORE THAN NINE CURRENT CARRYING CONDUCTORS AND A CODE SIZED EQUIPMENT GROUNDING CONDUCTOR.
- EACH CIRCUIT IS TO HAVE ITS OWN NEUTRAL. MULTIWIRE BRANCH CIRCUITS ARE NOT ALLOWED.
- SEAL ALL RACEWAYS AND PENETRATIONS BOTH INTERNALLY AND EXTERNALLY WHERE TRANSITIONS ARE MADE FROM CONDITIONED SPACES TO OUTDOOR OR UNDERGROUND. RACEWAYS ARE TO BE SEALED TO PREVENT AIR, MOISTURE, AND RODENT MIGRATION THROUGH AND AROUND RACEWAYS.
- COORDINATE FIRE SEPARATION BARRIER PENETRATIONS WITH ARCHITECT'S DRAWINGS. USE APPROVED FIRE STOPPING SEALANT AROUND PENETRATION AFTER RACEWAYS ARE INSTALLED.
- SEE ARCHITECT'S DRAWINGS FOR ADDITIONAL RECEPTACLE LOCATIONS AND MOUNTING HEIGHTS.
- ANY CORING INTO THE STRUCTURAL FLOOR SHALL BE PRE-APPROVED AND COORDINATED WITH STRUCTURAL ENGINEER. THE ELECTRICAL CONTRACTOR SHALL X-RAY FLOOR SLAB, PRIOR TO START OF CONSTRUCTION.
- ALL MECHANICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT SHOWN ON PLANS ARE TO INDICATE LOCATION. COORDINATE LOCATION OF ELECTRICAL EQUIPMENT ASSOCIATED WITH MECHANICAL, PLUMBING, AND FIRE PROTECTION EQUIPMENT WITH FINAL ROOM LAYOUT.
- PROVIDE 120V LIFE SAFETY CONNECTION FOR NOTIFICATION APPLIANCE CIRCUIT PANEL (NACP) FROM NEAREST LIFE SAFETY PANEL. COORDINATE PANEL LOCATIONS WITH FIRE ALARM CONTRACTOR.
- PROVIDE 3.5" CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT.
- COORDINATE MOUNTING OF RECEPTACLES AND LOW VOLTAGE ROUGH-IN WITH FURNITURE PROVIDER AND ARCHITECTURAL ELEVATIONS.
- BACKBOXES & WIRING DEVICES FOUND INSTALLED IN NON-COMPLIANCE WITH ARCHITECTURAL AND ELECTRICAL SHALL BE COMPLETELY REMOVED WITH CONTRACTOR RESPONSIBLE FOR RE-FINISHING WALL PER ARCHITECTURAL SPECIFICATIONS AS REQUIRED BY STAGE OF PROGRESS OF CONSTRUCTION. INSTALLATION OF BLANKOFF PLATES IS NOT ACCEPTABLE.
- ALL RECEPTACLES INSTALLED SHALL BE HOSPITAL GRADE.
- REFER TO STRUCTURAL DRAWINGS FOR ACCEPTABLE MEANS OF SUPPORTING EQUIPMENT FROM CONCRETE STRUCTURAL COMPONENTS AND CONCRETE SLAB LOCATIONS.
- PROVIDE MEANS OF DISCONNECT FOR ALL FIXED EQUIPMENT CONNECTIONS SHOWN.

SHEET KEYNOTES

- PROVIDE POWER TO HYDRAULIC LEVELER AT LOADING DOCK. CIRCUITING SHOWN FOR REFERENCE ONLY. USE AVAILABLE SPACE IN PANEL GNLPC4 FOR THIS WORK. COORDINATE WALL MOUNTED FAILSAFE PUSH BUTTON LOCATION WITH ARCHITECT.



1 LEVEL 0G POWER CANOPY AND DOCK FLOOR PLAN
SCALE: 1/8" = 1'-0"

GNLPC4																																											
MAIN TYPE MCB		VOLTAGE 120/208 Wye		LOCATION Level 0G																																							
MAIN RATING 100 A		3 PHASE 4 WIRE		FED FROM																																							
BUS RATING 100 A		MOUNTING Surface		SCCR KA																																							
		ENCLOSURE Type 1		CALCULATED AVAILABLE FAULT... KA																																							
REMARKS: EXISTING PANEL TO REMAIN																																											
LEFT SIDE, kVA						RIGHT SIDE, kVA																																					
DESCRIPTION	BRKR NOTES	BRKR AMP. POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP. POLES	BRKR NOTES	DESCRIPTION																														
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DRAWING ISSUE

CONTRACT DOCUMENTS

NO.	DATE	DESCRIPTION
1	01.15.21	ADDENDUM 05

DRAWING TITLE

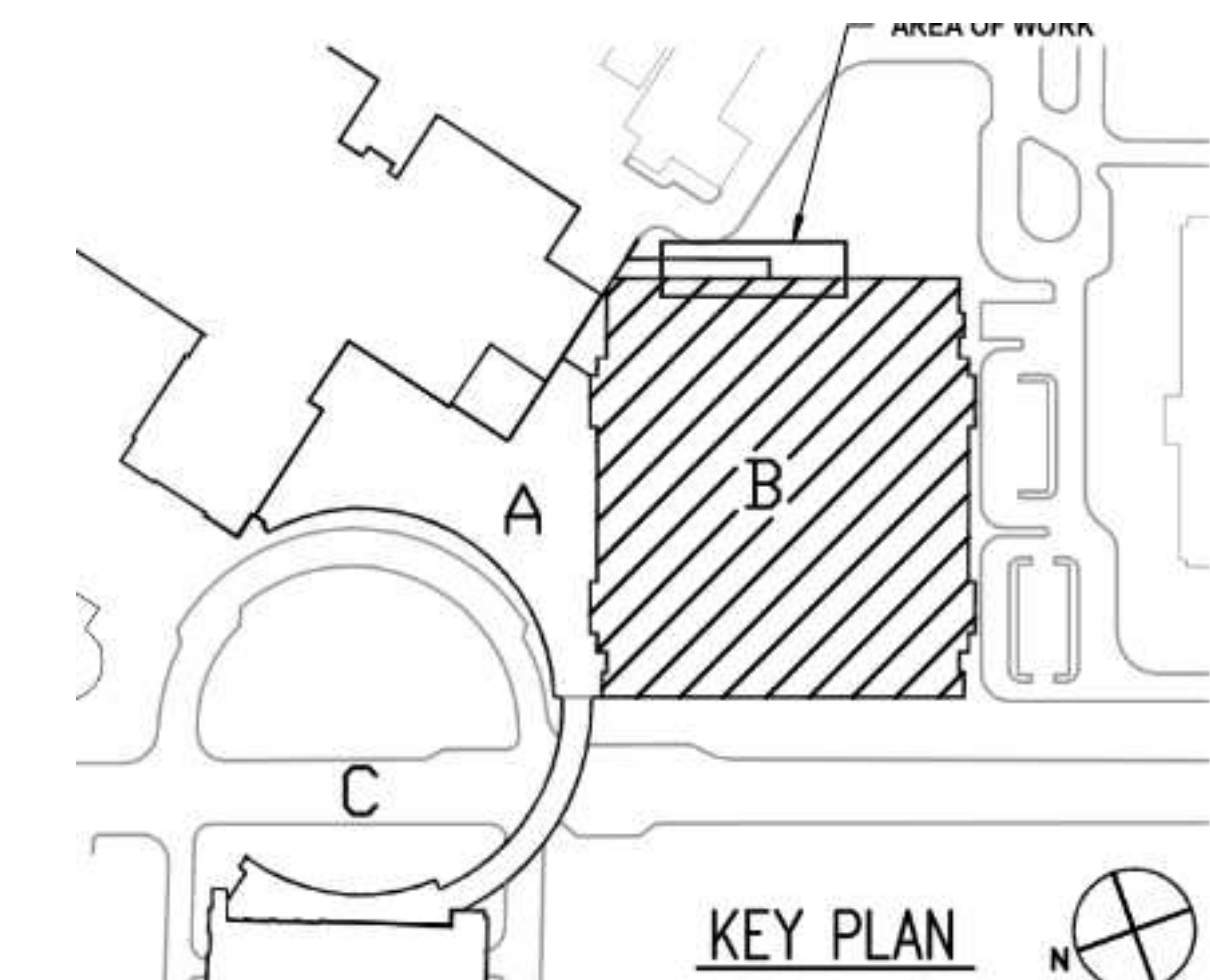
LEVEL 0G POWER CANOPY AND DOCK FLOOR PLAN

SEAL

JOB NUMBER

13703.01

E300



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UNIVERSITY OF KENTUCKY

Purchasing Division

Written Questions and Answers

CCK-2516-21

#2402.9 Pavilion A – 5th Floor Patient Room Fit-Out - BP-03 - TC-181 through TC-190

No.	Question		Answer
1.	Has an estimated budget, start date, and completion date have been established?	TURNER	See Attachment G for Bid Schedule. The construction estimate for this project is \$18 Million.
2.	Request for Substitution for: Hollow Metal Door (08 11 00) – Metal Products Inc. Flush Wood Doors (08 14 00) – Oshkosh Door Co.	GBBN	No substitutions.
3.	Looks like a simple Flat Panel w/Tegular edge condition. I do see (and I haven't dug deep enough yet) a couple of areas where wood is listed. WPC-1 would be the flat panels. However there are also notes on the RCP (A705D) for an ACOUSTICAL wood panel. Have you seen this clarified anywhere in the specs.? If you look at 5/A721 it shows this falls under spec 09 54 26. However, it shows a different panel within the sub spec. that is not clarified on the detail referenced.	GBBN	09-5426 Hardware veneer ceiling tile (WPC-1) is located at Elevator Lobby A05000. You are correct that (WPC-1) is not acoustic.
4.	Security Control Riser SEC502 lists Access control doors that are not shown on security plans, please clarify that doors listed in riser get access control.	AEI	Please clarify which door numbers are being referred to as not shown on security plans. Refer to door hardware schedule for keypad locations (i.e. housekeeping rooms) Following have been updated in the listing: <ul style="list-style-type: none"> - A05004 to be A05L004. - A05041 to be A05041. - 5026 refers to Dietary A05026 - A05025 refers to SLP report room A05025 - A05024 refers to OT/PT Gym room A05024

			- DC – only 5176 hospitality to remain on the list.
5.	Please list Aiphone Intercom model that will be approved.	AEI	Owner to approve contractor proposed AiPhone Intercom model. Model to be most recent.
6.	Will all work performed outside of the 5 th floor project area required to be off hours? Specifically, will the work associated with the AHU's on the 3 rd and 4 th level be required to be performed after normal straight time hours?	TURNER	Assume that the work on the 3 rd and 4 th floor will be on normal working time. This excludes outages. Outages should be bid on off hours.
7.	Should it be assumed that the clean steam piping should be insulated with the same specification as the Low Pressure Steam and Condensate Return?	AEI	Yes
8.	Will the Foamglas, Calcium Silicate, or Polyisocyanurate pre-insulated pipe supports called out in specification section 200529 be a requirement on this project for all insulated pipes 2" and larger? Wood inserts or Fiberglass H-blocks have been accepted on similar projects in the past and would provide a cost savings if they are accepted on this project in lieu of the pre-insulated pipe supports mentioned above. Please advise.	AEI	Pre-insulated pipe supports are an option. Refer to Part 3 Application for execution requirements. Refer to specification 20 0529, 2.6 Weight Bearing Insulation Inserts for acceptable products.
9.	Substitution Request: Radiant Ceiling Panels - VULCAN as Acceptable along with Aero Tech for Radiant Ceiling Panels	AEI	Vulcan is an acceptable manufacturer of radiant ceiling panels. Specification section 23 8314 has been added in Addendum 03
10.	Substitution Request: Structural Subfloor - Megaboard	GBBN	There is no structural subfloor required for this project.
11.	HVAC Piping: On drawing M903, note 8 of the terminal unit schedule says piping to be ¾" to all reheat coils greater than 1.5gpm. are we to assume that piping run outs to all reheat coils 1.5gpm or less shall be ½"?	AEI	Correct. Refer to General Note 1 on all mechanical piping sheets
12.	HVAC Piping: Piping run out sizes where not shown for radiant panels or fin tube. Shall we assume anything 1.5gpm or less will be ½" and anything greater than 1.5gpm will be ¾"?	AEI	Refer to General Notes 1 and 3 on all mechanical piping sheets. Radiant panels are terminal heating devices. Runouts to FTR shall be 1".
13.	HVAC Piping: Can pipe sizes and numbers of coils be given for the pre-purchased AHUs?	AEI	See keyed notes on level 3 mechanical plans.

14.	HVAC Piping: In the chemical treatment spec, is says to maintain 50% ethylene glycol in the glycol system. Is the chilled water a glycol system? If so is it 50% as stated in section 1.5 or is it 40% as stated in section 3.3?	AEI	There is no glycol system piping included in this project.
15.	HVAC Piping: To make the chilled water tie-in for the new AHUs, we will need to drain the existing system. If this system contains glycol can an estimated quantity of how much needs to be drained and refilled in the existing system? Or will the university take care of that re-fill?	AEI	Chilled water system does not contain glycol.
16.	Plumbing: Item #68 in the project general requirements says the plumbing contractor shall provide additional urinal, sink, toilet, and water heater for temporary men's room. Is this just required on the 2nd floor or is it required on the 12th floor as well?	Turner	This work will only be provided and installed on the 2nd floor. It is not needed for the 12th floor.
17.	Regarding specification 28 23 00 page 4, section D, 1. VMS Gateway. It is our understanding that UK has stopped using individual appliances for its video storage, instead preferring a virtual server. Can you confirm if an appliance is required for this project?	AEI	Contractor to coordinate with UK ITS and UKPD for central monitoring and camera additions to existing system. Refer to section 2.4
18.	Sheet E303D. Supply and return fans 2B for BT-51-AW are fed from panel 3EHS2. Please provide a location for this panel.	AEI	Existing Panel 3EHS2 is located at column lines 'J' between '9' and '10'. Will include existing location in subsequent revision for clarity.
19.	Spec section 27-0528.36-1.2-B-2 for related work refers to section 26-0536 "cable trays for electrical systems". Section 26-0536 is not included in the division 26 specifications. Could you include a specification for cable tray?	AEI	Specifications included in BP-3_Addendum 4
20.	Sheet T000. Nurse call assemblies note says to refer to sheet T700 for additional information. Sheet T700 was not issued as part of this drawing package.	AEI	Sheet T000 has been updated with the correct sheet number referenced. The correct sheet number is T609
22.	Sheets E105A, 105B, 105C and 105D. Except for sheet note #5 on sheets E105A, E105B, and 105C all of these demo sheets appear to be identical to the demo sheets of the previous bid package. Is the work on these sheets in this bid package or is this work being done by the demo contractors?	AEI/ TURNER	Changes from previous bid package are to keynote #2, "Relocate existing duct smoke detector to new ductwork" and keynote #5 "Light switch serving exterior fixtures is existing to be relocated to finished wall elevation." It is the intent to have TC-190 to do the work associated with

			note 5 on the electrical demolition sheets. It is also the intention for the TC-190 contractor to complete demolition needed for electrical and technology items in the areas outside of the 5 th floor and item 18 under their scope of work. TC-180 will be responsible for the initial demolition and rework of existing electrical and fire alarm shown on the 5 th floor electrical demolition drawings included in their package.
23.	Attachment "B" TC-190 Scope of work, Item #22A says in part "Provide and maintain two (2) Audio Visual devices per work area". These AV's were also included in the previous demo package as item #21A of Attachment "B" (addendum #1) TC-180 scope of work. Do we include these again as part of this scope of work, or is this a duplicate?	TURNER	TC-190's scope will be revised to remove providing the audio visual devices. These were provided in TC-180's contract.
24.	Attachment "B" TC-190 Scope of work, Item #22C says in part "Contractor shall refeed fire alarm wire in conduit to stairwells 01, 02, 04, and 05". This conduit was also included in the previous demo package as item #21C of Attachment "B" (addendum #1) TC-180 scope of work. Was this work removed from the previous bid package?	TURNER	TC-190's scope will be revised to only include the work that will be associated with their scope.
25.	Drawing V1.1 (Nurse call lay-out drawing). The resolution on this drawing makes it impossible to read the device symbols in the legend and on the drawing. Can we get a drawing that can be read when zoomed in to see the devices?	GBBN	Sheet re-issued BP-3_Addendum 4
26.	Sheet E313AD. The panel called out to feed the 2 exhaust fans on the 13th floor roof is 15ND2. I could not find this panel on the 15th floor.	AEI	15NHD1 and 15NHD2 are located in electrical panel ELEC A15003. 15NHD1 should feed the east fan and 15NHD2 should feed the west fan. See addendum #4 for revisions in scope.
27.	Sheet E313AD. Is there an existing pathway the get to the 13th floor roof exhaust fans from the 15th floor or can you clarify this pathway?	AEI/TURNER	Yes, 3/4" conduit from the panels to the fan locations is existing. See addendum #4 for revisions.

			Pathway and wire will be installed in TC-180's contract. TC-190 shall include disconnecting the temporary exhaust fan and connecting the permanent exhaust fans.
28.	Sheet E313AD. Are there existing breakers in the 15th floor panel to feed the 2 new exhaust fans on the 13th floor?	AEI/ TURNER	Yes. Breakers are existing. See addendum #4 for revisions. Pathway, wire, and breakers will be installed in TC-180's contract.
29.	Is there a deck height for the existing space?	GBBN	15'-4" is floor to floor height.
30.	Which trade contractor is responsible for the head of wall fire stopping and safing at rated CMU walls?	TURNER	TC-184 drywall and ceilings is responsible for all top of wall installations. Per the documents there are no CMU walls on this 5 th floor project.
31.	Window Type 11 – Does this set of windows required integral blinds? If so, Glass Type 50 or Glass Type 51	GBBN	No integral blinds at Frame Type 11.
32.	Window Type 5 – Which type of integral blinds do these windows required? Glass Type 50 or Glass Type 51	GBBN	For Frame Type-5 with integral blinds: Provide GL 51 (clear) at A05219B, A05222B, A05237B & A05240B. Provide GL-50 (patterned) at A05119B, A05122B, A05137B & A05140B.
33.	There are a few openings on the door schedule that are missing a frame type: A05131, A05132, A05138, A05139, A05133, A05134, A05135, A05136, A05137, A05140, A05141.	GBBN	See BP-3_Addendum 4
34.	Please provide hardware set 241. Openings A05S01, A05S02, A05S05A, and A05S05A in the existing door schedule are listed as having hardware set 241, but it is not included in spec section 087100.1.	GBBN	See BP-3_Addendum 4
35.	Please provide hardware set 255. Openings A05E001 and A05E008 in the existing door schedule are listed as having hardware set 255, but it is not included in spec section 087100.1.	GBBN	Hardware set 255 was added in BP-3_Addendum 2
36.	Hardware set 113A calls for 2 shim kits and 4 exit devices. Should this be 4 shim kits and 2 exit devices?	GBBN	Correct. 4 shim kits and 2 exit devices
37.	Please clarify if wood door type WD-1A (spec sections 08 1400 and 06 4000) should be plain sliced or quarter sawn.	GBBN	Plain Sliced White Maple with a tinted transparent finish to match Architect's Sample. Revised BP-3_ADDM-05

38.	Will any doors need to be wood type WD-2? Spec section 08 1400 and Plan page A621 call for all doors to be WD-1A unless noted otherwise and I do not see any notes calling for doors to be anything else.	GBBN	There are no WD-2 doors on this floor.
39.	Substitution Request: Include Danfoss as an Acceptable Manufacturer for the VFDs: Section 20-0514 Part 2 Products Paragraph 2.1.A	AEI	Danfoss will be considered as an acceptable manufacturer for VFDs provided they meet all requirements of spec section 20 0514
40.	The instructions for Bidders state that a Bid Bond is required for the UK PAB A 5 th FI Patient Rm Fit-Out. However, Per the TC-189 Scope of Work, G. Work Excluded Payment & Performance Bond. Can you please advise?	TURNER	A bid bond and a payment and performance bond are different. A bid bond is required to submit a bid to the University. The payment and performance bond shall not be included in your cost. See the bid breakout on page 5 of the scope of work. The payment and performance bond to complete the work in the respective scope is to be separated from the total bid amount.
41.	Per the Bid Submittal Requirements page, it states that the TSIB Form 1 of the CCIP Manual is required by the apparent low bidder. I have not been able to locate this form.	TURNER	This has been updated in Addendum 3.
42.	Is the wood paneling shown at the patient rooms on the reflected ceiling plans to be from the 098400 spec, or is that to be architectural casework?	GBBN	Architectural Woodwork – Plastic laminate clad panels – See 1/A393
43	Substitution Request: Include Patton’s Medical as an acceptable manufacturer for medical vacuum pumps and air compressor. a. Specs vs. schedule for the vacuum system are inconsistent; want to verify what is needed b. Ethernet Connectivity; our systems have this option included; want to verify if BACnet is needed	AEI	Patton Medical will be considered as an acceptable manufacturer for medical gas equipment provided they meet all requirements of spec section 22 6316 a. Follow schedule. b. BACnet is required.
44.	I have noticed the fixture schedule tag numbers do not match up with the Specifications It appears the schedule is consistent with the drawings. Please advise	AEI	Refer to plumbing fixture schedule for product data. Fixture tag references will be removed from the spec and refer to plans. Revised BP-3_ADDM-05
45.	TC-181, Item 60 details the maintenance of a platform installed by TC-180. Does maintenance include rental costs?	TURNER	Yes. This includes the rental costs. The general requirements will be revised to specify this.

46.	TC-181 Item 61 details the maintenance and removal of various components of the delivery area provided by TC-180. However, Item H explicitly describes an item to be furnished by TC-181. Kindly clarify which items under Item 61 are to be furnished by TC-181.	TURNER	TC-181 will furnish item 61.H. This item is to remain on site after this contractor's scope of work is complete. TC-181 is to maintain all items as detailed under item 61.
47	In addendum 3, the forms of proposal for packages with scope changes were rereleased with the updated bid date as well as the other changes. Is it your intention to reissue updated forms of proposal for the other packages as well or can we just cross out and amend the bid date on the originally issued form?	TURNER	It is not the intent to rerelease the packages that did not have scope updates to them. Cross out and amend the bid date.
48	Fire Protection - Can you provide a manufacturer and model # for the 10-4400-D004 – Fully Recessed Painted Sprinkler Zone Control Assembly Cabinet? These are shown on I500.	GBBN	Those cabinets are existing. Work on sheet i500 and i501 relates to Alternate 1 (Previously Alternate 2)
49	I will be bidding on TC-184 - Drywall and Ceilings bid package to UK/Turner Construction. I need a list of DBE contractors or suppliers to try to meet the UK Diversity requirements. Could you please email the list of contractors to me?	TURNER	UK/Turner Construction does not give out a list of contractors. It is the bidding contractor's responsibility to find MWDBE contractors and suppliers
50	We are bidding TC-181 General Trades and it references the Site Logistic plans. SK-103 and SK-108 are referenced in the General Requirements, I cannot find them in the Contractor Download package, do you know where I could get them?	TURNER	Contact Lynn Imaging. They should be in the bid documents with the other sketches
51	Will the signage contractor be responsible for bracing/supports for overhead signs?	TURNER	Yes.
52	TC-181 #14.C references detail 4/A721 "Pipe Support". Please define locations and quantities for bidding purposes. OFCI tv/monitor brackets/mounts are listed as wall mount only.	GBBN	Review drawing A938 for bracket information.
53	TC-181 #15.D, please define "Special T-Blocking" required for GCX tracks.	TURNER	"Special T-Blocking" is wood blocking extending from stud to stud and from 6" below the track to 6" above the track.
54	OFCI Tag EQ301 (BRK0722), please provide detail or reference of bracket to be installed.	GBBN	
55	TC-181 #33, is contractor responsible to "receive, shake-out, store" ALL items or only OFCI items? Is contractor	TURNER	TC-181 is responsible to receive, shake-out, store ALL items. TC-181 is responsible for blocking/setting of ALL items.

	responsible for blocking/setting of ALL items or OFCI only?		
56	TC-181 #42, are hand sanitizing station sufficient in lieu of "hand washing stations"? If not, where will stations be located and will MEP contractor install water supply/drains?	TURNER	No. These are to be portable hand washing stations. These will not have any permanent water or drainage ran to them. These hand washing stations are to have soap and paper towel dispensers. It is the TC-181 contractor's responsibility to provide maintenance, empty, fill, and stock these stations at all times during the project.
57	General Work Requirements #61, please define if TC-181 shall provide and/or rent items listed for delivery area?	TURNER	See previous question #46
58	General Work Requirements #72, does Lot #1 require a gate? If so, what size and type? What is the height of fencing at lots? Is UK standard netting required?	TURNER	Lot #1 does not need a gate. Fencing Height is to be 8 foot tall. Netting is not required.
59	Drawing E303D - Please provide location of panel 3EHS2 that feeds the VFD of RF BT-51AW.	AEI	Between column line 9 and 10,J. This was included in addendum 4
60	Drawing E303D - Note #6 refers to detail 6 on E-800. Note #6 is not shown on E-800, please clarify.	AEI	E800/Detail 6 Refers to the dual VFD device wiring diagram.
61	Drawing T-609 - Note #1 refers to 32 motorized shades in the Architectural drawings. What is the location of the shades? What drawings indicate the location? Are there electrical connections and circuitry needed?	GBBN/AEI	T609 will be revised and keynote 1 will be removed. No connection to motorized shades will be required.
62	Electrical and mechanical drawings do not show the circuitry or power requirements for the air terminal units. Please provide circuitry and power requirements for the air terminal units.	AEI	Refer to specification section 230901 for power requirements for controls.
63	Is the wood paneling shown at the patient rooms on the reflected ceiling plans to be from the 098400 spec, or is that to be architectural casework?	GBBN	The wood trim in the patient rooms has a condoc of 06-4000-A### which places the material in 06-4000 Architectural Woodwork. Also reference 1/A393

64	In a couple rooms (AO5115, AO5124 and AO5125) there are a couple wall types tagged with C which is Lead Lined gypsum board. Is this wall tag correct? I ask because not all walls in those rooms are tagged with C.	GBBN	There are no lead lined gypsum board in rooms (AO5115, AO5124 and AO5125). BP-3_Addm 05 added lead lined gypsum to Room A05026.
65	Are the existing exterior walls around the perimeter to receive any kind of new stud framing, drywall, or touch-up/finishing, or are those to remain as-is?	GBBN	Please reference A383 through A391 for enlarged patient room plans and details. There is a furred wall below the window in all cases with a solid surface sill on top. See details 2/A393 and 2/A394. See enlarged patient room plans for furring against the exterior wall. In addition, review sheets A205A.1 through A205D.2 for detail callouts and wall tags outside of patient rooms.
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68			