



# UNIVERSITY OF KENTUCKY Purchasing Division

## INVITATION FOR BIDS

CCK-2706-23

IMPROVE JACOBS SCIENCE BUILDING – TRADE PACKAGES

PROJECT # 2592.0

ADDENDUM # 1

03/30/2023

**IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY 05/02/2023 @ 3:00 P.M. LEXINGTON, KY TIME**

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

### **ITEM #1: BIDDER NOTICES**

- To assist in outreach efforts, bidders are encouraged to use the following website for certified diverse firms providing goods and services in several relevant categories:  
<https://www.mbdky.com/>

### **ITEM #2: MODIFICATIONS AND CLARIFICATIONS TO THE CONSTRUCTION DOCUMENTS**

Bidders are instructed to review and incorporate into their bids the schedule and scope of work information in the attached addendum.

**OFFICIAL APPROVAL**  
**UNIVERSITY OF KENTUCKY**

Contracting Officer / (859) 257-9102

**SIGNATURE**

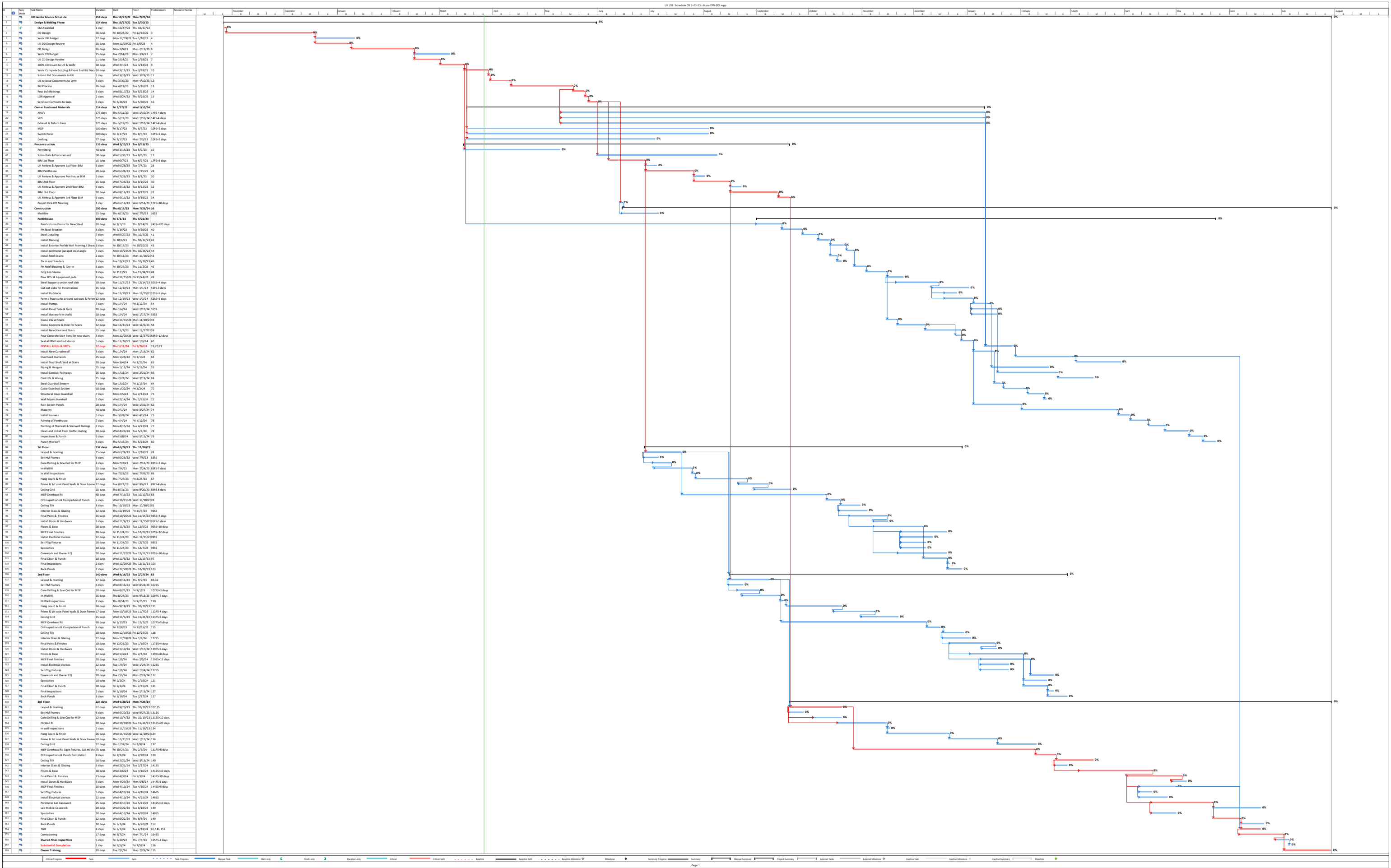
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Typed or Printed Name

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

*An Equal Opportunity University*



## **TRADE PACKAGE 1 – DEMOLITION**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed trade package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

### **All Division 01 024119 Selective Demolition**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all drawings (if the contractor does not review all drawings, they will not be granted any additional money for scope missed shown on other drawings) , specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where their scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost.

#### **3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed and at a minimum 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the jobsite will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises. Construction Manager will provide a Badge Application Form to Contractor to be completed for each person who will be onsite to receive a badge.

**14. Shoring**

This contractor will be responsible to provide any shoring necessary to complete their scope of work. This will include any structural review from a licensed engineer, shop drawings, and PE stamped drawings, etc. submitted to Wehr to be reviewed by the design team.

**15. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**16. Work Outside Construction Areas**

It is the contractor's responsibility when working outside of the designated construction areas to include, but is not limited to: immediately covering any penetrations through floors, walls, and ceilings until they are patched back, all personnel are wearing shoe covers, all trash carts are covered, provide all temporary measures to ensure the area around you stays clean, immediately clean-up work area after work is complete, removal & put back of any and all existing items to remain that are in the way of completing your scope, repairing any damage to items existing to remain, etc.

**17. Salvaged Material**

This contractor is to coordinate with all other trades to ensure they have removed their salvaged material before beginning demolition in an area.

**18. Demolition**

Subcontractor is responsible for demolition of all architectural and structural items as called out in the specifications and shown on the drawings. This is to include but is not limited to: removal of existing concrete slab and curbs, CMU walls, drywall walls, all architectural items mounted to walls, exterior brick, exterior fiber cement panels, structural steel, steel joists, steel decking, doors, frames, etc., existing door hardware shall be salvaged and reinstalled after construction. Demolition scope of work will be subject to a punch conducted by the CM to ensure that all adjacent surfaces have been left in the proper condition for the new work.

Demolition contractor shall not be responsible for removal of existing curtainwall and shroud, stair landings, stringers, and stair railings, removal of existing roof and insulation to concrete roof deck, and removal of the existing blackout film from existing windows.

**19. Roof Protection**

This contractor is responsible to provide all roof protection as required for this scope of work. The roof protection should consist of iso-board and plywood. All roof protection should be anchored down per the roofer's instructions. The roof protection provided by this contractor is to be maintained and repaired by this trade package and per the CMs discretion. If the roofing is damaged due to this contractor not installing roof protection or not maintaining and repairing the roof protection, then it will be this contractor's responsibility to repair the roofing at their cost.

**20. Weather Conditions**

This contractor shall make all provisions to stay on the construction schedule through abnormal weather conditions per the contract documents. Contract extensions will not be considered for abnormal weather conditions, unless it exceeds the amount as defined in the construction documents. The contractor should make-up weather days on an additional shifts, weekends, and longer shifts, etc. and schedule this work with the CM before beginning the make-up work.

## **TRADE PACKAGE 2 – MASONRY**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **Division 01**

#### **042000 Unit Masonry**

#### **055000 Metal Fabrications**

#### **072100 Thermal Insulation**

#### **076200 Sheet Metal Flashing and Trim with end dams**

#### **079200 Joint Sealants**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all construction documents (if the contractor does not review all construction documents, they will not be granted any additional money for scope missed shown on other construction documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up, then the site will be cleaned for them at their cost. No work will be accomplished from roof without proper roofing protection per CM's discretion. Any roof damage will be repaired at contractor's cost.

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractors shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor.

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must always provide an on-site Supervision while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site supervision will be required to attend weekly Foreman/superintendents Meetings with the CM. This contractors supervision is to provide daily reports to be turned in Monday of each week for the following week to CM

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work. This contractor is to also provide any protection needed for new curtain walls or adjacent surfaces as required in order to protect from damages of other trades. Any damages to other surfaces will be repaired or replaced at the expense of this contractor.

**9. Work hours**

The work hours for this project are 7 days a week (Monday-Sunday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.



**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the jobsite will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Shoring**

This contractor will be responsible to provide any shoring necessary to complete their scope of work. This will include any structural review from a licensed engineer, shop drawings, and PE stamped drawings, etc. submitted to Wehr to be reviewed by the design team.

**15. Mockups and Samples**

Subcontractor shall provide mockups and samples as depicted in the construction documents and specs before installation of finish system.

**16. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**17. Cleaning**

Upon completion, contractor shall provide a final clean of all existing and new brick along the entire building elevation along Huguelet Drive and the entire building elevation directly above the loading dock to the acceptance determined by the Construction Manager and the University of Kentucky.

**18. Thermal Insulation**

This contractor is required to furnish and install 2" rigid insulation and the 5" Mineral Wool Board Insulation, etc. as referenced in the construction documents as it pertains to this scope. Please refer to spec section 07 2100 for further clarification of these items

**19. Masonry weeps**

This contractor shall be responsible to furnish and install all masonry weeps shown on the construction documents. It is the responsibility of this contractor to field verify **ALL** weep elevations prior to installation.

**20. Vents**

All masonry cavity vents reflected on the construction documents are the responsibility of this contractor. This contractor shall be responsible for furnishing and installing these items and all workmanship associated. This contractor should note they are expected to field verify vent placement prior to installation.

**21. Lintels**

Contractor responsible for installation of steel lintels in masonry called out on the drawings and per specifications. Steel contractor shall provide lintels for this subcontractor to install. Coordination with Steel contractor on schedule of needing these items is this contractors responsibility.

**22. Reinforcing Steel**

Contractor is to furnish and install all reinforcing steel in masonry construction as required. This is to include, but not limited to rebar, block ladder, etc.

**23. Special Testing**

Contractor shall coordinate with the Owner's testing agency as required per the contract documents; for all special testing requirements. In the event that a test should fail, this contractor shall either remove and replace the represented work, or repair the represented area as directed by the Design Team, UK, or the CM. All cost associated with additional testing and rework shall be the responsibility of this contractor.

**24. Joint Sealants**

This contractor is responsible to provide all joint sealants & backer rod as required for all material installed for this scope of work.

**25. Relief Angles**

This contractor is required to install all steel relief angles and steel shelf angles furnished by TP 3 – Structural Steel as reflected on the construction documents. It shall be this contractor's responsibility to coordinate relief angle delivery with the successful steel contractor. All equipment, installation and manpower required to install relief angles and shelf angles shall be the sole responsibility of TP 2 Masonry contractor. This contractor shall be responsible for field verifying quantities and placement of all relief angles associated with masonry veneers.

**26. Brick Installation**

This contractor shall be responsible for furnishing all material, equipment and manpower required to provide the complete assembly of all masonry systems reflected on the construction documents. This includes but is not limited to anchoring, reinforcement, brick type, mortar compound, insulation board, etc.

**27. Weather Conditions**

This contractor shall make all provisions to stay on the construction schedule through abnormal weather conditions per the contract documents. Contract extensions will not be considered for abnormal weather conditions, unless it exceeds the amount as defined in the construction documents. The contractor should make-up weather days on an additional shifts, weekends, and longer shifts, etc. and schedule this work with the CM before beginning the make-up work

**28. Roof Protection**

This contractor is responsible to provide all roof protection as required for this scope of work. The roof protection should consist of iso-board and plywood. All roof protection should be anchored down per the roofer's instructions. The roof protection provided by this contractor is to be maintained and repaired by this trade package and per the CMs discretion. If the roofing is damaged due to this contractor not installing roof protection or not maintaining and repairing the roof protection then it will be this contractor's responsibility to repair the roofing at their cost.

**29. Coordination with Other Trades**

Subcontractor shall be responsible for coordination of work with any subcontractor they may interfere with during performing this scope. This is to include, but is not limited to, relief angles, steel embeds, drip edges, masonry installation, etc.

**30. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

## **TRADE PACKAGE #3 – STRUCTURAL STEEL**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **Division 01**

#### **051000 Structural Anchors**

#### **051200 Structural Steel Framing**

#### **053100 Steel Deck**

#### **055000 Metal Fabrications**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost.

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel as needed or deemed necessary to accommodate the jobsite.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, and at a minimum of 1 month before scope of work is to commence. Failure to attend progress meetings will result in a \$350 back charge to Subcontractor per day and/or meeting.

**5. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form

**6. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration. Each progress pay application must be supplemented by progress photos for the pay application to be accepted.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site supervision will be required to attend weekly Foreman/superintendents Meetings with the CM. This contractors supervision is to provide daily reports to be turned in Monday of each week for the following week to CM

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 7 days a week (Monday-Sunday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the jobsite will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. BIM Modeling**

Coordination shall be 3-D VDC, based on Wehr Constructors BIM Execution Plan. This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings.

**15. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**16. Miscellaneous Steel**

Contractor to furnish and install all miscellaneous steel. This is to include but is not limited to roof steel and supports for roof mounted equipment, miscellaneous angles, miscellaneous plates, etc.

**17. Relief Angles**

This contractor shall be responsible to provide all relief angles and shelf angles required for TP 2 - Masonry. Contractor is expected to coordinate procurement and delivery of relief angles and shelf angles with TP 2 Masonry contractor. Trade package 2 - Masonry contractor will be responsible for installation of these items.

**18. Cutting and Patching**

If existing materials require any cutting and/or patching for new steel to be installed, cutting and/or patching is to be provided by this trade package.

**19. Layout**

Contractor required to provide all layout needed to complete this scope of work.

**20. Overall Scope of Work**

Subcontractor shall be responsible for all structural steel members, joists, decking, anchor bolts, lintels, cables, connection bolts, curb plates, flange bracing, channel at louvers, tie back anchors, as shown or implied from the construction documents and specifications. All labor, materials & equipment, etc. required for a full system is to be included. Shop drawings are to be provided within 4 weeks of notice of award. Temporary cables/railing on new steel installation are to be provided by this contractor.

**21. Lifting/Scaffolding**

Any lifting and/or scaffolding required to complete this scope of work shall be provided by this bid package.

**22. Field Verification**

All field verification required for shop drawing submission must be done within the first week after contract award to ensure schedule delays are not incurred.

**23. Coordination with Other Trades**

This trade contractor must coordinate with all other trades before installation begins to ensure no conflicts with installation exists respective to other trades. Failure to provide the Construction Manager notice of conflict with other trades before steel erection begins will result in a back charge to encompass any and all cost associated.

**24. Hot Work Protection**

When welding, it is expected of this contractor to provide the appropriate protection measures. This includes but is not limited to fire blankets, shielding, spark prevention, etc. If contractor does not provide appropriate fire protection measures, they will be provided by the CM at this contractors cost.

**25. High Performance Coatings**

All new steel reflected in the construction documents is to receive shop applied primer or galvanized painting per the contract documents.

**26. Lintels**

Contractor is responsible to supply all loose lintels and other items built into the unit masonry for Trade Package 2 – Masonry to install. It is the responsibility of this contractor to supply an accurate template to ensure the proper installation of loose lintels in the correct locations.

**27. Roof Protection**

This contractor is responsible to provide all roof protection as required for this scope of work. The roof protection should consist of iso-board and plywood. All roof protection should be anchored down per the roofer's instructions. The roof protection provided by this contractor is to be maintained and repaired by this trade package and per the CMs discretion. If the roofing is damaged due to this contractor not installing roof protection or not maintaining and repairing the roof protection, then it will be this contractor's responsibility to repair the roofing at their cost.

**28. OFCI Materials**

Contractor is responsible for all material, labor, and equipment required to install full systems for all OFCI equipment. The Owner has purchased under a separate contract the metal deck for the installation of the penthouse. This contractor is responsible for receiving, storing, unloading and installation of the metal deck.

**29. Weather Conditions**

This contractor shall make all provisions to stay on the construction schedule through abnormal weather conditions per the contract documents. Contract extensions will not be considered for abnormal weather conditions, unless it exceeds the amount as defined in the construction documents. The contractor should make-up weather days on an additional shifts, weekends, and longer shifts, etc. and schedule this work with the CM before beginning the make-up work.

**30. Special Testing**

Contractor shall coordinate with the Owner's testing agency as required per the contract documents; for all special testing requirements. In the event that a test should fail, this contractor shall either remove and replace the represented work, or repair the represented area as directed by the Design Team, UK, or the CM. All cost associated with additional testing and rework shall be the responsibility of this contractor.

**31. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

**35. Allowance**

This contractor shall include \$25,000 miscellaneous steel allowance to be used at the CMs discretion. Any unused allowance will be credited to the CM at completion.



## **TRADE PACKAGE 4 – GENERAL TRADES**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

#### **033000 Cast in Place Concrete**

#### **051000 Structural Anchor – (As it pertains)**

#### **061053 Miscellaneous Rough Carpentry**

#### **071800 Traffic Coatings**

#### **078100 Applied Fireproofing**

#### **078123 Intumescent Fire Protection**

#### **079200 Joint Sealants**

#### **329200 Turfs and Grasses**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other drawings), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

**2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost.

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed and at a minimum 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor.

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Mockups**

Subcontractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**16. Salvaged Material**

This contractor is required to salvage all Architectural items as shown on the drawings or called out in the specifications and turn them over to UK. They are to provide a detailed list of all items salvaged to the CM for tracking purposes.

**17. Overall Scope of Work**

Subcontractor shall provide temporary fire stations, rough carpentry, handrails and safety barricades, fireproof new steel, fireproof & patch, OFCI items, elevator protection, all concrete, concrete in stair pans, wood blocking, traffic control, anchor bolt installation as shown or implied from the construction documents and specifications. Contractor shall also be responsible for temporary protection as it pertains to this trade package.

**18. Coordination with Other Trades**

Contractor shall be responsible for coordination of work with any subcontractor they may interface with during work. This is to include, but is not limited to, TP 5 contractor to ensure proper placement of blocking, etc.

**19. Temporary Toilets**

This contractor is responsible to provide temporary toilets for the entire site for the entire duration of the project. There should be at minimum 1 toilet per 10 personnel working on-site and they should be cleaned as required to maintain healthy standards and per the CMs discretion.

**20. Site Fencing**

This contractor will be required to provide 8' tall site fencing and gates as shown on the site logistic plans. This fencing will need to meet all UK standards, such as all posts will be driven and mesh be put on all fencing. Contractor required to adjust fencing as needed for all other contractors and per the CMs discretion. This contractor is responsible to maintain and repair this fencing for the duration of the project per the CMs discretion. This contractor will be required to remove all site fencing they installed at the completion of the project.

**21. Tree Protection Fencing**

Contractor is to provide all tree protection fencing as required by the contract documents. This fencing will need to meet all UK standards. Contractor required to adjust fencing as required by UK or per the CMs discretion. This contractor is responsible to maintain and repair this fencing for the duration of the project per the CMs discretion. This contractor will be required to remove all tree protection fencing at the completion of the project.

**22. Exterior Improvements**

Contractor shall demo, transplant and replace all trees (4) along Huguelet for clearance of construction area. Contractor is provide all yard inlet protection and irrigation pipe and wire protection within limits of construction. The irrigation system must be protected from damage and remain in service during construction. Contractor shall provide flexible construction mat to be used to prevent soil compaction and rutting on all lawn to be resodded. This contractor shall be responsible for providing **ALL** top soil after site remediation to achieve appropriate grades and contours for sod. Contractor shall be responsible for watering all plant material, including lawn areas until final acceptance of the entire project. Plant material that dies from a lack of water and/or maintenance during the period between installation and final acceptance shall be replaced at no cost to the owner.

**23. Dumpsters**

Contractor responsible to provide all dumpsters for all trade contractors for the entire duration of the project.

**24. Temporary Handrails**

Contractor responsible to furnish all material, labor, and equipment to install all temporary handrails as required by the CM. It will be this contractor's responsibility to rework, reconfigure, maintain, repair, and remove all temporary handrails per the CM's discretion. Contractor to remove all temporary handrails as required by the CM and this is to include any temporary handrails left in place by other trades.

**25. Weather Protection**

This contractor is to provide all material, labor, and equipment to install all weather protection as required by the CM. It will be this contractor's responsibility to rework, reconfigure, maintain, repair, and remove all temporary weather protection per the CM's discretion. Contractor to remove all weather protection as required by the CM and this is to include any weather protection left in place by other trades.

**26. Temporary Partitions**

Contractor responsible to furnish all material, labor, and equipment to install all temporary partitions as shown on the site logistics drawings and as required by the CM. This is to include, but is not limited to: framing, drywall, plywood, door frames, doors, hardware, paint, joint sealants, firestopping, level 3 drywall finish, fire rated materials, following all AHJ requirements, etc. It will be this contractor's responsibility to rework, reconfigure, maintain, repair, and remove all temporary partitions per the CM's discretion. Contractor to remove all temporary partitions as required by the CM and this is to include any existing temporary partitions left in place by other trades.

**27. Final Cleaning**

This contractor is responsible for all final cleaning for the entire jobsite. The contractor will be required to perform final cleaning before the punch list and before the final turnover to the owner.

**28. Temporary Signage**

Contractor required to provide and remove all temporary signage as required by the CM. This includes, but is not limited to: way finding signage, construction area signage, interior signage, exterior signage, closure signage, etc.

**29. Site Maintenance**

Contractor required to maintain and repair all site items as required by the CM. This is to include, but is not limited to: mowing and weed eating the site, site fencing and mesh, erosion control, construction entrances, stone areas, etc.

**30. Fireproofing**

This trade contractor is responsible to provide all material, labor, and equipment to install a complete spray applied fireproofing system and intumescent fire protection system as required by the contract documents.

**31. Traffic Control**

This contractor is responsible to provide road closure materials, equipment and personnel to the CM for the duration of the project. This shall include the following, but not limited to, Traffic Cones, Traffic-Grade Barricades, Caution Tape, radios, flagmen, etc. to coordinate with crane set up, usage and dismantling for all other trades.

**32. Traffic Coatings**

This contractor shall be responsible for the following applications: Pedestrian traffic – Furnish all labor, materials, tools and equipment necessary to install a fluid-applied, light duty pedestrian traffic coating system to new concrete surfaces per the plans a specification. This shall include but not be limited to the entire penthouse floor surface and 6" vertically along with surfaces and concrete curb faces. Contractor is responsible for any and all floor prep for the traffic coating.

**33. Temporary Entrances & Stairs**

This trade contractor is responsible to provide all material, labor, and equipment to install all temporary entrances as required by the site logistics plans, CM, and AHJ. This is to include, but is not limited to: framing, wood, doors, frames, hardware, plastic, joint sealants, signage, thresholds, flashing, fasteners, etc. All temporary entrances must be weather tight.

**34. Rough Carpentry**

This trade contractor is responsible to provide all material, labor, and equipment to install all rough carpentry as required by the contract documents and the CM. This is to include, but is not limited to: wood and metal in-wall blocking, roof nailers, plywood sheathing, wood backing for mounting other trades work, equipment blocking, etc. This contractor will need to coordinate with all other trades to ensure that all rough carpentry is installed where needed by other trades.

**35. Interior Joint Sealants**

This trade contractor is responsible to provide all material, labor, and equipment to install interior joint sealants at dissimilar materials as required by the contract documents. Contractor to coordinate with all other interior trades providing their own joint sealants.

**36. Owner Furnished Contractor Installed Materials**

It will be this contractor responsibility to receive, inventory, store, and install all owner furnished contractor installed architectural items as required by the contract documents.

**37. Street Sweeping**

This contractor will be responsible to provide all labor and equipment required to keep all streets clean during the entire duration of the project. The street sweeping will be required to take place at least weekly or more per the CMs discretion.

**38. Site Restoration**

This contractor will be required to remove all new and existing items and restore the site to its existing conditions per the CM.

**39. Special Testing**

Contractor shall coordinate with the Owner's testing agency as required per the contract documents; for all special testing requirements. In the event that a test should fail, this contractor shall either remove and replace the represented work, or repair the represented area as directed by the Design Team, UK, or the CM. All cost associated with additional testing and rework shall be the responsibility of this contractor.

**40. Roof Protection**

This contractor is responsible to provide all roof protection as required for this scope of work. The roof protection should consist of iso-board and plywood. All roof protection should be anchored down per the roofer's instructions. The roof protection provided by this contractor is to be maintained and repaired by this trade package and per the CMs discretion. If the roofing is damaged due to this contractor not installing roof protection or not maintaining and repairing the roof protection, then it will be this contractor's responsibility to repair the roofing at their cost.

**41. Weather Conditions**

This contractor shall make all provisions to stay on the construction schedule through abnormal weather conditions per the contract documents. Contract extensions will not be considered for abnormal weather conditions, unless it exceeds the amount as defined in the construction documents. The contractor should make-up weather days on an additional shifts, weekends, and longer shifts, etc. and schedule this work with the CM before beginning the make-up work.

**42. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

**43. CM Office**

This contractor is responsible for providing the flooring system for the CM office located in the basement. The flooring system is to include wood flooring joists, plywood subfloor, and carpet for the finish area.

**44. Full Time Cleaners**

This contractor is required to provide 2 full time cleaners for the duration of the project that complete no other work than cleaning. They will be required to report to the CM office every morning for check-in and to receive the direction for the day.

**45. Carpenter & Laborer Allowance**

This contractor is to include 200 hours for a laborer and 200 hours for a carpenter to be used at the CM's discretion. These hours will be tracked with T&M tickets signed daily by a Wehr Superintendent. Any hours remaining at the end of the project will be credited to the CM.

**46. Fireproofing Patching Allowance**

This contractor is to include a \$30,000 fireproofing patching allowance to be used at the CMs discretion. Any unused allowance will be credited to the CM at completion.

## **TRADE PACKAGE 5 – ARCHITECTURAL CASEWORK**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

#### **06 4023 Plastic Laminate Clad Architectural Cabinets**

#### **12 3661 Solid Surfacing Countertops**

#### **07 9200 Joint Sealants (as it pertains to this trade package)**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost.



**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor.

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Material Storage**

It will be the responsibility of this contractor to ensure that all materials are stored per the manufacturer's instructions on and off site. Contractor/Vendor shall not add additional charges for storage of items due to shortage of warehouse space, shop space, etc.

**15. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**16. Trade Package Specific Scope of Work**

Subcontractor shall be responsible for any and all work regarding Plastic-Laminate-Clad Architectural Cabinets, Joint Sealants and Solid Surfacing Fabrications. The work will be done per plans and specs and at the CMs discretion.

**17. Plastic-Laminate-Clad Architectural Cabinets**

Contractor is to furnish and install all Plastic-Laminate-Clad Architectural Cabinets per contract documents. This work is to include, but is not limited to, all Plastic-Laminate-Clad Architectural Cabinets, all wood materials, all fire-retardant-treated materials, all cabinet hardware and accessories, all miscellaneous materials, all fabrication, all hardware, all filler strips, all sloped tops, all glass, all fasteners, etc.

**18. Joint Sealants**

Contractor is to furnish and install all joint sealants, as it relates to this trade package, per contract documents. This work is to include, but is not limited to, installation of backer rods, caulking of all joints between the countertops of the casework, all caulking of the casework to dissimilar materials, caulking around solid surface materials, etc. All caulking must be done in a professional manner and to the approval of the CM and architect.

**19. Solid Surfacing Fabrications**

Contractor is to furnish and install all solid surfacing materials per contract documents. This work is to include, but is not limited to, all solid surface fabrication materials, all solid surface material countertops, all solid surface material back splashes and end splashes, all solid surface wall panels, all solid surface material sinks, all fabrication, all installation materials, etc.

**20. Blocking for Installation**

All in-wall blocking is via TP 4- General Trades contractor. However, this trade package contractor is responsible to provide all cut sheets through the submittal process per dates required in this bid manual to the construction manager. Additionally, it is the responsibility of this trade contractor to coordinate with TP 4 General Trades contractor for the exact location of blocking for all TP 5 materials. If any blocking is installed for TP 5 contractor and final materials are installed in different locations than where blocking was located, it will be the responsibility of TP 5 contractor to install new blocking and pay to patch walls and repaint as required.

**21. Protection of Finished Materials**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontract shall result in this subcontract making any necessary repairs as required from damages. Contractor shall be responsible to cover floor coverings until Substantial Completion

**22. Coordination with Other Trades**

Contractor shall be responsible for coordination of work with any subcontractor they may interface with during work.

## **TRADE PACKAGE 6 - ROOFING**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

**02 4119 Selective Demolition (as it applies to this trade package)**

**061600 Sheathing (as it applies to this trade package)**

**07 2100 Thermal Insulation (as it applies to this trade package)**

**07 2119 Foam -in- Insulation**

**07 5700 Coated Foamed Roofing**

**07 6200 Sheet Metal Flashing and Trim (as it applies to this trade package)**

**07 7100 Roof Specialties**

**07 9200 Joint Sealants (as it applies to this trade package)**

**11 8129 Fall Protection**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

**2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the jobsite will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Preparation of Materials**

Any and all prep work for all items and areas that are existing and called out in the Construction Documents to have new work completed will be the responsibility of the subcontractor to meet or exceed the called out by the manufacturer or industry standards, architect, or the construction manager.

**15. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**16. Trade Package Specific Scope of Work**

Subcontractor shall be responsible for all work and material for Roofing Demolition (as it applies to this trade package), high temperature self adhering membrane flashing, Thermal Insulation, Coated Foamed Roofing, Sheet Metal Flashing and Trim (as it pertains to this trade package), Roof Specialties, Joint Sealants (as it applies to this trade package), continuous dry-in (as it applies to this trade package) and any work in regards to this trade package per the discretion of the CM. This subcontractor is to coordinate the installation of the roof to ensure that all components of the roof are installed correctly and the transitions between different items are installed watertight.

**17. Roofing Demolition**

Subcontractor is to demo the existing roof per contract documents. This work is to include, but is not limited to, remove coping materials down to brick masonry, all roof tear-off, notifying the CM and owner for each new section of roof to be tore off as work progresses, contractor must provide appropriate means to lower materials from roof to the ground, removal of flashings, removal of copings, removal of roof accessories. Contractor must perform fastener pull-out testing and provide the results to the CM and architect.

**18. Thermal Insulation**

Contractor is to furnish and install all thermal insulation, as it applies to this trade package, per contract documents. This work is to include, but is not limited to: all substrate board, vapor barrier, all insulation boards, all insulation fasteners, all anchors, etc.

**19. Coated Foamed Roofing**

Contractor is to furnish and install the entire coated foamed roofing system per contract documents. This work is to include, but is not limited to, partial tear-off of existing roofing systems at areas indicated on drawings, removal of flashing and counter flashings as required for installation of new coated foam roofing system, prepare existing coated foamed roof surfaces to receive new coated foam roofing, installation of owners proprietary spray-applied coated polyurethane foam roofing, all infill and replacement materials, all polyurethane foam, all urethane coatings, all substrate board, all auxiliary materials, patching of existing roof for new installations, etc.

**20. Sheet Metal Flashing and Trim**

Contractor is to furnish and install of all sheet metal flashing and trim, as it pertains to this trade package, per contract documents. This work is to include, but is not limited to, all sheet metals, all underlayment materials, all fasteners, all sealants, all fabrication, etc. Contractor is responsible for all areas requiring counterflashing on the roof.

**21. Roof Specialties**

Contractor is to furnish and install of all roof specialty items per contract documents. This is to include, but not limited to, all copings, all roof edge specialties, all roof edge drainage systems, all counterflashings, all materials, all underlayment materials, all miscellaneous materials, all finishes, all saw cutting, etc.

**22. Joint Sealants**

Contractor is to furnish and install all joint sealants per contract documents. This work is to include, but is not limited to, all joints between roofing systems, all exterior penetrations through the roof, etc.

**23. Lifting/Scaffolding**

Any and all necessary scaffolding or lifts needed to complete any work, or to lift material in to place, as described in this trade package will be the responsibility of the subcontractor to supply.

**24. Safety Coordination on the Roof**

Subcontractor shall mark off all safe work areas on the roof of the building following all OSHA guidelines for all subcontractors who will be working on the roof. Subcontractor is to have a designated spotter at all times watching all workers on the roof, this person is to be clearly labeled identifying them as the safety person. The TP 6 contractor shall also be responsible for insuring that all material on roof is properly secured.

**25. Coordination with Other Trades**

Subcontractor shall be responsible for coordination of work with any subcontractor they may interface with during work. This is to include, but is not limited to, any trade package that will have installation of roof accessories, giving direction for necessary roof protection to other trades, etc.

**26. Roof Protection**

This contractor is responsible to provide all roof protection on all existing and new roof surfaces as required for this scope of work and for all other contractors working on the roof. The roof protection should consist of iso-board and plywood. All roof protection should be anchored down per the roofer's instructions. The roof protection provided by this contractor is to be maintained and repaired by this trade package and per the CMs discretion. If the roofing is damaged due to this contractor not installing roof protection or not maintaining and repairing the roof protection, then it will be this contractor's responsibility to repair the roofing at their cost.

**27. Weather Conditions**

This contractor shall make all provisions to stay on the construction schedule through abnormal weather conditions per the contract documents. Contract extensions will not be considered for abnormal weather conditions, unless it exceeds the amount as defined in the construction documents. The contractor should make-up weather days on an additional shifts, weekends, and longer shifts, etc. and schedule this work with the CM before beginning the make-up work.

**28. Temporary Roof Edge Protection**

Contractor will be responsible for furnishing and install all temporary roof edge protection as needed during the project and per the CMs discretion.

**29. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

**30. Temporary Weather Protection**

The contractor is responsible for all temporary weather protection of the existing roof system, while the new penthouse is under construction. As roofing material must be removed to construct the new penthouse this contractor will be required to provide temporary measures to weather tight the roofing to ensure no leaks until the new penthouse is fully dried in. Any damage caused to the existing structure or new work due to leaks will be the responsibility of this contractor to remediate and fix at their cost.



## **TRADE PACKAGE 7 – DECORATIVE METALS**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

#### **05 1213 Architecturally Exposed Structural Steel Framing**

#### **05 5113 Metal Pan Stairs**

#### **05 5213 Pipe and Tube Railings**

#### **05 7000 Decorative Metal**

#### **05 7313 Glazed Decorative Metal Railings**

#### **05 7500 Decorative Formed Metal (as it pertains to this trade package)**

#### **07 9200 Joint Sealants (as it pertains to this trade package)**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed & at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Mockups**

Subcontractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**16. Trade Package Specific Scope of Work**

Contractor shall be responsible for all necessary work and material for a complete job regarding Decorative Metal Stairs, Glazed Decorative Metal Railings, Decorative Formed Metals, Joint Sealants, Cable Guardrail System, Steel Guardrail System, Wall Mounted Handrails, Decorative Metal Exhaust Stacks, Structural Glass Guardrail, Steel Pan Stair Treads with Risers, Steel Pan Landings and Stringer Support Structure (as it pertains to this trade package) and any work relating to this trade package per plans and specs and per the discretion of the CM. Remove cables with turnbuckles where required.

**17. Decorative Metal**

Contractor shall furnish and install all decorative metal, custom stainless steel corner guards, custom metal exterior trims and fascia, prefinished, custom stainless steel roof stacks for mechanical system. This work is to include, but is not limited to, all stainless-steel materials, all steel and iron materials, all aluminum materials, all fasteners, all anchors, all fabrication, all finishes, etc.

**18. Decorative Metal Stairs**

Contractor is to furnish and install all decorative metal railing items for Decorative Metal Stairs per contract documents. This work is to include, but is not limited to, deep steel pan stair treads with risers, deep steel pan landings and connecting landing, stringer support structure, and all fasteners, all miscellaneous materials, all fabrication, all cutting, all drillings, all stair railings, all finishes, etc.

**19. Glazed Decorative Metal Railings**

Contractor is to furnish and install all Glazed Decorative Metal Railings per contract documents. This work is to include, but is not limited to, all metal surfaces, all stainless-steel items, all steel and iron items, all glass and glazing materials, glass supported railings, decorative railings with stainless steel, wire-rope guard infill, wood handrails and brackets, all fasteners all miscellaneous materials, all fabrications, all finishes, etc.

**20. Custom Stainless Steel Roof Stacks for Mechanical System**

Contractor is to furnish and install custom stainless steel tapered vent stacks for the mechanical systems with all fasteners, all miscellaneous materials, all fabrications and all finishes, etc.

**21. Special Testing**

Contractor shall coordinate with the Owner's testing agency as required per the contract documents; for all special testing requirements. In the event that a test should fail, this contractor shall either remove and replace the represented work, or repair the represented area as directed by the Design Team, UK, or the CM. All cost associated with additional testing and rework shall be the responsibility of this contractor.

**22. Joint Sealants**

Contractor is to furnish and install all joint sealants, as it relates to this trade package, per contract documents. This work is to include, but is not limited to, all joint sealant work around items installed by this contractor, etc. All joint sealant work must be done in a professional manner and to the approval of the CM and architect.

**23. Mockups**

Contractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**24. Touch-Up**

The contractor is to provide touch up work for any and all materials that apply to this trade package, at the discretion of the CM.

**25. Protection of Completed Work**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontract shall result in this subcontract making any necessary repairs as required from damages.

**26. Coordination with Other Trades**

Subcontractor shall be responsible for coordination of work with any subcontractor they may interface with during work. This is to include, but is not limited to, any trade package that will be working on stairs to receive handrails, etc.

**27. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

**28. Delegated Design Requirements**

Contractor is responsible for all delegate design requirements. This is to include, but is not limited to, drawings stamped by a licensed PE in the state of Kentucky, etc.

## **TRADE PACKAGE 8 –GLASS AND GLAZING**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **Division 01**

#### **072100 Thermal Insulation**

#### **079200 Joint Sealants**

#### **084413 Glazed Aluminum Curtain Walls**

#### **088000 Glazing**

#### **088300 Mirrors**

#### **088813 Fire Resistant Glazing**

#### **089119 Fixed Louvers**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all construction documents (if the contractor does not review all construction documents, they will not be granted any additional money for scope missed shown on other construction documents) , specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractors shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site supervision will be required to attend weekly Foreman/superintendents Meetings with the CM. This contractors supervision is to provide daily reports to be turned in Monday of each week for the following week to CM

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Lifting/Scaffolding**

Contractor shall be responsible for all scaffolding, lifting, hoisting, manpower, equipment, deliveries and protection of all work required to complete

**15. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**16. Mockups**

Subcontractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**17. Blackout Window Film**

This contractor is responsible for the demolition of the existing blackout film on the existing windows.

**18. Glazed Aluminum Curtain Wall**

This contractor will be responsible for all materials, labor and equipment to install glazed aluminum curtain walls and entrances as well as insulated metal glazing panels. Shall also included the following but not limited to: Joinery, included concealed welds, anchorage, expansion provisions, glazing, flashing and drainage and custom pressure caps, framing etc.



**19. Interior Storefront**

Contractor responsible to provide all material, labor, and equipment to install all interior storefront systems per the contract documents. This is to include, but is not limited to interior aluminum storefront framing, glazing, Installing hardware for aluminum entrances (doors), interior aluminum framing for punched openings, interior manual swing doors, etc. All door hardware is to be supplied by Doors Frames & Hardware Contractor and to be installed by this contractor.

**20. Joint Sealants**

Contractor responsible for all joint sealants for their scope of work.

**21. Mirrors**

Contractor shall furnish and install all silvered flat frameless glass mirrors per plans and specifications.

**22. Fire Resistant Glazing**

This contractor is responsible for furnish and install all fire resistant glazing as required by the drawings and specifications.

**23. Fixed Louvers**

This contractor is responsible to furnish and install all fixed extruded aluminum louvers as required by the drawings and specifications.

**24. Radiant Window Protection**

Contractor responsible for all Radiant Protection within TP requirements. Any interior window, Aluminum framing, storefront assemblies, etc. called for Radiant Protection in the construction documents shall be the responsibility of TP 8 - Glass & Glazing contractor to furnish and install complete as part of contract. This includes but is not limited to all film, glass finishes etc.,

**25. Storage and Handling**

Contractor responsible for the appropriate storage of their respective materials as outlined in the specifications. Storage onsite will be limited, therefore it is expected of this contractor will manage all storage logistics of material throughout the project.

**26. Field Verification**

This contractor will be expected to perform all field verification as required in the specifications. This includes but is not limited to verifying actual location of supports and rough openings, field measurements, and indication of field measurements on shop drawings (reference glazing specifications for clarity)

**27. Demo off Existing Curtainwall**

Contractor is responsible for the demolition of the existing Curtainwall System with shroud.

**28. Roof Protection**

This contractor is responsible to provide all roof protection as required for this scope of work. The roof protection should consist of iso-board and plywood. All roof protection should be anchored down per the roofer's instructions. The roof protection provided by this contractor is to be maintained and repaired by this trade package and per the CMs discretion. If the roofing is damaged due to this contractor not installing roof protection or not maintaining and repairing the roof protection then it will be this contractor's responsibility to repair the roofing at their cost.

**29. Aluminum Frame and Sidelights**

All fabrication and installation of Aluminum Frames are to be provided by this contractor. This includes any sidelight framing and glazing that may be required. Contractor should reference the construction documents and specifications for further clarification.

**30. Delegated Design Requirements**

Contractor is responsible for all delegate design requirements. This is to include, but is not limited to, drawings stamped by a licensed PE in the state of Kentucky, etc.

**31. Protection of Finished Materials**

This contractor is responsible for establishing protection of finished materials. Any and all finished materials are to be protected upon the completion of installation. Failure to do so will result in the CM protecting finished materials at the cost of this contractor.

**32. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

**33. Allowance**

This contractor shall include \$15,000 broken glass allowance to be used at the CMs discretion. Any unused allowance will be credited to the CM at completion.

## **TRADE PACKAGE 9 – DOORS, FRAMES, HARDWARE, AND SECURITY**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

#### **08 1113 Hollow Metal Doors and Frames**

#### **08 1416 Flush Wood Doors**

#### **08 1433 Stile and Rail Wood Doors**

#### **08 7100 Door Hardware**

#### **28 0501 General Safety Security**

#### **28 1643 Perimeter Security Safety**

#### **28 0800 Commissioning of Security**

#### **28 2300 Digital Video Surveillance**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contractor documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Material & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Trade Package Specific Scope of Work**

Subcontractor shall be responsible for all work and materials for Hollow Metal Doors and Frames, Flush Wood Doors, Stile and Rail Wood Doors, Door Hardware, Perimeter Security Safety, Video Surveillance, Auto-Operators and work pertaining to this trade package per the discretion of the CM.

**16. Hollow Metal Doors and Frames**

Subcontractor is to furnish and install all Hollow metal doors and frames per contract documents. This work is to include, but is not limited to, interior and exterior standard steel doors and frames, all borrowed lites, all hollow metal panels, all frame anchors, all materials, all fabrication, all finishes, etc.

**17. Flush Wood Doors**

Subcontractor is to furnish and install all Flush Wood Doors per contract documents. This work is to include, but is not limited to, all flush wood doors, all solid-core five-ply flush wood veneer-faced doors for transparent finish, all light frames, all fabrication, all finishes, etc.

**18. Stile and Rail Wood Doors**

Subcontractor is to furnish and install all Stile and Rail Wood Doors per contract documents.

**19. Door Hardware**

This Contractor is to furnish and install all Door Hardware for all hollow metal doors and wood doors. This Contractor is to furnish all hardware for aluminum doors and frames per contract documents and Glass & Glazing contractor is to install hardware for aluminum doors and frames. This Contractor must coordinate delivery of the hardware for aluminum doors and frames with the Glass & Glazing contractor. This work is to include, but is not limited to, all scheduled door hardware, all butt hinges, all continuous hinges, all locks, all latches, all electronic accessories, all exit devices, all lock cylinders, all cylinder housings, all keying, all fire department key boxes, all operating trim, all surface closers, all low-high energy automatic door operators, all protective trim units, all mechanical wall stops, all overhead stops and holders, all silencers, all door gasketing, all thresholds, all miscellaneous door hardware, all fabrication, all fasteners, all finishes, power supplies, etc.

**20. Perimeter Security Safety**

All access control and electronic security for door installation is defined as follows:

- a. Power, conduit, electrical wiring and terminations running **to** the power supply shall be by the electrical contractor. Connections from door hardware to power supply shall be made by the DFH subcontractor to make active.
- b. Power Supplies, including the transformers, are to be furnished and installed by this subcontractor.
- c. Cabling, terminations, programming from the power supply to the card reader, keypad, etc. are the responsibility of DFH Subcontractor.
- d. Furnishing and installing keycard, card reader, etc. are to be the responsibility of DFH contractor
- e. Prepping of all door frames to receive card reader installations to be the responsibility of DFH contractor.
- f. All final connections, wiring, programming, coordination with head end systems, etc. are the responsibility of the DFH contractor.
- g. All pathways necessary for access control equipment are to be installed by the TP 18 - electrical contractor.
- h. DFH contractor is to furnish and install all equipment and material for security and access controls.
- i. DFH contractor is to furnish and install all security cameras per contract documents.
- j. DFH contractor is to furnish and install all access control per contract documents.

**21. Video Surveillance**

Contractor is to furnish and install all video surveillance per contract documents. This work is to include, but is not limited to, all IP video cameras, connecting to network video server, all wire, all cables, etc.

**22. Final Door Adjustments**

This contractor shall be responsible for all final door adjustments at the completion of the work, per the CMs discretion.

**23. Door Glass**

Contractor is responsible to factory install all glass shown in all hollow metal and wood doors.

UK Improve Facilities – Jacobs Science Building  
Lexington, KY  
TRADE PACKAGE 9 – DOORS, FRAMES, HARDWARE SUPPLY AND INSTALL

**24. Coordination with Trades**

This subcontractor shall be responsible for coordination of work with any subcontractor they may interfere with during work, such as the TP 18 Electrical Contractor or the TP 8 – Glass & Glazing contractor.

## **TRADE PACKAGE 10 – EXTERIOR WALL SYSTEM**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **Division 01**

#### **054000 Cold-Formed Metal Framing**

#### **061600 Sheathing**

#### **072100 Thermal Insulation**

#### **072713 Modified Bituminous Sheet Air Barriers**

#### **074646 Fiber Cement Panels**

#### **079200 Joint Sealants**

#### **092216 Non-Structural Metal Framing**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all construction documents (if the contractor does not review all construction documents, they will not be granted any additional money for scope missed shown on other construction documents) , specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost



**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractors shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site supervision will be required to attend weekly Foreman/superintendents Meetings with the CM. This contractor's supervision is to provide daily reports to be turned in Monday of each week for the following week to CM

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Mockups**

Subcontractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**16. Lifting/Scaffolding**

Any lifting and/or scaffolding required to complete this scope of work shall be provided by this bid package.

**17. Layout**

All layout of scope of work pertaining to this subcontract shall be provided via this subcontract. This includes but is not limited to wall layout, door detailing, framing components, etc.

**18. Joint Sealants**

This contractor is responsible to provide all joint sealants as required for all material installed for this scope of work.

**19. Exterior Wall System Assemblies**

This contractor is responsible to build the exterior wall assemblies in sections at an off-site location and bring them to the site ready to be swung in to place to be installed. All materials, equipment, labor, off-site locations to complete this scope is required.

**20. Exterior Framing**

It is the responsibility of this contractor to furnish and install all exterior framing as reflected in the construction documents. This includes but is not limited to walls, soffits, anchors, parapets, etc. This contractor shall also be responsible for providing exterior sheathing.

**21. Exterior Sheathing**

This contractor is responsible for furnishing and installing all exterior sheathing as shown on the contract documents.

**22. Exterior Air barrier**

This contractor shall be responsible for furnishing all material and labor required for the installation of a complete exterior air barrier system on all exterior sheathing and blocking as called out in the construction documents. Contractor must coordinate compatibility of air barrier systems with all other trades providing this scope.

**23. Fiber Cement Panel System**

This contractor is responsible for all materials and labor to install a complete fiber cement panel system.

**24. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

**25. Delegated Design Requirements**

Contractor is responsible for all delegate design requirements. This is to include, but is not limited to, drawings stamped by a licensed PE in the state of Kentucky, etc.

## **TRADE PACKAGE 11 – METAL STUD & DRYWALL AND CEILINGS**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **Division 01**

#### **054000 Cold-Formed Metal Framing – Structural**

#### **072100 Thermal Insulation**

#### **078443 Joint Firestopping**

#### **079200 Joint Sealants**

#### **092123.23 Gypsum Board Shaft Wall Assemblies**

#### **092216 Non-Structural Metal Framing**

#### **092900 Gypsum Board**

#### **095113 Acoustical Panel Ceilings**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all construction documents (if the contractor does not review all construction documents, they will not be granted any additional money for scope missed shown on other construction documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractors shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site supervision will be required to attend weekly Foreman/superintendents Meetings with the CM. This contractor's supervision is to provide daily reports to be turned in Monday of each week for the following week to CM

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Lifting/Scaffolding**

Any lifting and/or scaffolding required to complete this scope of work shall be provided by this bid package.

**15. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**16. Mockups**

Subcontractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**17. Coordination of Furnished Equipment**

This subcontract shall review requirements of all 3<sup>rd</sup> party vendor materials and equipment to ensure materials align with requirements. For example, this contractor shall review fire extinguisher box depths, mechanical equipment, research equipment, etc. to ensure rough-opening sizes are sufficient for installations.

**18. Protection of Finished Materials**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontract shall result in this subcontract making any necessary repairs as required from damages. Contractor shall be responsible to cover floor coverings until Substantial Completion

**19. Layout**

All layout of scope of work pertaining to this subcontract shall be provided via this subcontract. This includes but is not limited to wall layout, door detailing, framing components, etc.

**20. Patching**

Subcontractor shall be responsible for patching all existing drywall walls where new MEP items and/or blocking are installed in existing wall conditions.

**21. Firestopping**

This contractor is responsible to provide all temporary and permanent firestopping measures as required for this scope of work or needed as a result of damage to existing systems to remain. All labeling required by the contract documents for this scope of work will be the responsibility of this contractor. AHJ, Owner's testing agency, Owner, or CM, have the authority to fail any fire rated penetrations if they are deemed unfit or installed incorrectly. It will be the contractor's responsibility to correct these deficiencies at their cost. In this instance, contractor should understand it is expected both top **AND** bottom of all rated walls to receive firestopping.

**22. Ceilings**

All ceiling systems to be furnished and installed by this contractor. This includes but is not limited to anchors: ceiling type, finish type, drywall thickness, joint taping, framing systems, chase wall systems, bulkheads, ceiling grid, ceiling pads, edge support, drywall board, expansion joints etc.

**23. Interior Framing**

This contractor shall be responsible to furnish and install all interior framing as reflected in the construction documents. This includes but is not limited to walls, soffits, hard ceilings, bulkheads, pockets, etc. Contractor to include all in-wall insulation as part of this scope.

**24. Drywall**

Contractor to provide adequate man power, equipment and material to accomplish the entire drywall scope of work. Contractor is expected to complete a "final" drywall touch up pending the completion of the project. In addition, it is expected this contractor has reviewed the construction documents in their entirety in order to provide all board, taping, finishing, trim, etc.

**25. Joint Sealants**

This contractor is responsible to provide all joint sealants as required for all material installed for this scope of work.

**26. Fireproofing Patching**

Contractor to provide patching of spray fireproofing damaged by this scope of work.

**27. Exterior Penthouse Walls**

The exterior framing for the penthouse walls is to be provided in TP – 10 – Exterior Wall Contractor. This contractor is responsible for all in-wall insulation in these walls and the drywall installation on the interior of these walls.

**28. Second Shift Work**

This contractor is to include 6 months of workdays working 2 shifts on this project. The CM will determine when this contractor is required to work 2 shifts and will provide 1 week's notice of the upcoming 2 shift work. This contractor is expected to have the same size crew on both shifts when working 2 shifts.

**29. Fire Rated Walls**

This contractor shall be responsible for the furnishing and installing all fire rated and shaft wall systems. Contractor understand the installation of smoke and fire partitions are to be installed per the contract documents otherwise to be removed and replaced at the discretion of the CM.



## **TRADE PACKAGE 12 – Ceramic Tile**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

**All Division 01**  
**07 9200 Joint Sealants**  
**09 3013 Ceramic Tile**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents) , specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

#### **3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 7 days a week (Monday-Sunday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Mockups**

Subcontractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**16. Preparation of Materials**

Any and all prep work for all items and areas that are existing and called out in the Construction Documents to have work completed will be the responsibility of the subcontractor to meet or exceed the manufacturer standards, industry standards, or standards of the architect or the construction manager.

**17. Trade Package Specific Scope of Work**

Contractor shall be responsible for all work regarding Decorative Metal Stairs (as it applies to this trade package), Cold Fluid-Applied Waterproofing, Joint Sealants, Ceramic Tile, as well as other necessary work for this trade package per the discretion of the CM.

**18. Joint Sealants (as it pertains to this trade package)**

Contractor is to furnish and install all joint sealants, as it pertains to this trade package, per contract documents. This work is to include, but is not limited to, all joint sealants, all backer rods, etc.

**19. Ceramic Tile**

Subcontractor is to furnish and install all ceramic tiling per contract documents. This work is to include, but is not limited to, all ceramic tile, all porcelain tile, all ceramic tile base, all stone thresholds, all tile backing panels, all waterproofing and crack suppression membranes, all setting materials, all grout, all elastomeric sealants, all miscellaneous materials, all mixing mortars and grout, all fasteners, all anchors, all metal edge strips, etc.

**20. Coordination with Trades**

This subcontractor shall be responsible for coordination of work with any subcontractor they may interface with during work. This is to include, but is not limited to, the TP 11 – Drywall & Ceilings subcontractor for installing.

**21. Protection of Finished Materials**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontract shall result in this subcontract making any necessary repairs as required from damages.

**22. Sloping**

It is the responsibility of this contractor to ensure the appropriate sloping to all floor drains.

**23. Grout Protection**

It is this contractor's responsibility to clean all tile and ensure that proper temporary protection is installed prior to grouting all tile to ensure no discoloration. All grout not properly install and protected will be replaced by this contractor at their cost.

## **TRADE PACKAGE 13 – Flooring**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

#### **09 6513 Resilient Base and Accessories**

#### **09 6516 Resilient Sheet Flooring**

#### **09 6519 Resilient Tile Flooring**

#### **09 6813 Tile Carpeting**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 backcharge to Subcontractor.

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 7 days a week (Monday-Sunday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Preparation of Materials and Grinding**

Any and all floor prep work and grinding for all items and areas that are existing and called out in the Construction Documents to have work completed will be the responsibility of the subcontractor to meet or exceed the called out by the manufacturer or industry standards, architect, or the construction manager.

**16. Material Storage**

It will be the responsibility of this contractor to ensure that all materials are stored per the manufacturer's instructions on and off site. Contractor/Vendor shall not add additional charges for storage of items due to shortage of warehouse space, shop space, etc.

**17. Trade Package Specific Scope of Work**

Subcontractor shall be responsible for all work and materials for Resilient Base and Accessories, Resilient Sheet Flooring, Resilient Tile Flooring, Tile Carpeting and any other work related to this trade package per the discretion of the CM.

**18. Resilient Base and Accessories**

Subcontractor is to furnish and install all resilient base and accessories per contract documents. This is to include, but is not limited to, all resilient base, all resilient stair accessories, all stair treads, all risers, all landing tile, all reducer strips, all trowelable leveling and patching compounds, all adhesives, all stair-tread nose filler, all mitered corners, etc.

**19. Resilient Sheet Flooring**

Subcontractor is to furnish and install all resilient sheet flooring per contract documents. This work is to include, but is not limited to, all vinyl sheet flooring with backing, all trowelable leveling and patching compounds, all adhesives, all seamless-installation accessories, all integral-flash-cove-base accessories, all floor polish, all scribing, all cutting, etc.

**20. Resilient Tile Flooring**

Subcontractor is to furnish and install all resilient tile flooring per contract documents. This work is to include, but is not limited to, all static dissipative solid vinyl floor tile, all solid vinyl floor tile, all trowelable leveling and patching compounds, all adhesives and all floor polish.

**21. Tile Carpeting**

Subcontractor is to furnish and install all modular carpet tile per contract documents. This work is to include, but is not limited to, all carpet tile, all trowelable leveling and patching compounds, all adhesives, all cutting, all fitting, etc.

**22. Floor Leveling**

This contractor is to provide floor leveling prep up to 1/2". This work will consist of all grinding, all leveling, etc.

**23. Mockups**

Subcontractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**24. Protection of Finished Materials**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontract shall result in this subcontract making any necessary repairs as required from damages. Contractor shall be responsible to cover floor coverings until Substantial Completion.

**25. Coordination with Trades**

Subcontractor shall be responsible for coordination of work with any subcontractor they may interface with during work.



## **TRADE PACKAGE 14 – PAINTING**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

#### **07 9200 Joint Sealants (as it applies to this trade package)**

#### **09 9123 Interior Painting**

#### **09 9300 Staining & Transparent Finishing**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents) , specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost.

#### **3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 backcharge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Preparation of Materials**

Any and all cleaning and preparation work for all items and areas that are existing and called out in the Construction Documents to have work completed will be the responsibility of the subcontractor to meet or exceed the called out by the manufacturer or industry standards, architect, or the construction manager.

**16. Trade Package Specific Scope of Work**

This trade package is responsible for Joint Sealants (as it applies to this trade package), Maintenance Repainting, Interior Painting, Concrete Sealer and related work per the discretion of the CM.

**17. Joint Sealants**

Contractor is to furnish and install all joint sealants per contract documents. This work is to include, but is not limited to, caulking all door frames, etc. All caulking work must be done in a professional manner and to the approval of the CM and architect.

**18. Interior Painting**

Contractor is to furnish and apply all interior painting per the contract documents. Interior painting is to include, but not be limited to, all painting of concrete, all painting of steel and iron, all painting of galvanized metal, all painting of aluminum, all painting of wood, all painting of copper, all painting of stainless steel, all painting of fiberglass, all painting of plastic, all painting of gypsum board, all painting of cotton or canvas insulation covering, all painting of ASJ insulation coverings, all MEP items as required, etc.

**19. Staining & Finishing**

This contractor is responsible for all staining and finishing as shown on the contract documents.

**20. Touch-Up**

The subcontractor is to provide touch up work for any and all materials provided by this trade package, at the discretion of the CM.

**21. Lifting/Scaffolding**

Any and all necessary scaffolding or lifts needed to complete any work as described in this trade package will be the responsibility of the subcontractor to supply.

**22. Mockups**

Contractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**23. Coordination with Trades**

This subcontractor shall be responsible for coordination of work with any subcontractor they may interfere with during work, such as the TP 11 – Drywall subcontractor. Once the TP 14 – Painting subcontractor begins painting a wall this subcontractor accepts the wall conditions and becomes responsible for any corrections that are deemed necessary, by the CM or architect, at the cost of the TP 14 Painting subcontractor.

## **TRADE PACKAGE 15 – SPECIALTIES**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

**07 9200 Joint Sealants (as it applies to this trade package)**

**08 3113 Access Doors and Frames**

**10 1100 Visual Display Units**

**10 1300 Directories**

**10 1423 Room Identification Directional Signage**

**10 1425 Evacuation Plan Signage**

**10 2113.15 Stainless Steel Toilet Compartments**

**10 2600 Wall Protection**

**10 2800 Toilet, Bath & Laundry Accessories**

**10 4413 Fire Protection Cabinets**

**10 4416 Fire Extinguishers**

**10 5113 Metal Lockers**

**12 2413 Roller Window Shades**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, shoring, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all contract documents (if the contractor does not review all contract documents, they will not be granted any additional money for scope missed shown on other contract documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

**2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Mockups**

Subcontractor must provide all mockups as required by the drawings and specifications for all scope items in this package. If a mockup is rejected and a new version must be submitted, it will be done so at the cost of the subcontractor.

**16. Trade Package Specific Scope of Work**

Subcontractor shall be responsible for the furnish and install of Joint Sealants, Access Doors and Frames, Visual Display Boards, Room-Identification Panel Signage, Post and Panel Signage, Toilet Compartments, Toilet Accessories, Fire Protection Cabinets, Fire Extinguishers, Building Accessories, Roller Window Shades, as well as any additional work that pertains to this trade package per the discretion of the CM.

**17. Wall Protection**

Contractor is to furnish and install all stainless steel wall protection per contract documents.

**18. Protection of Finished Materials**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontract shall result in this subcontract making any necessary repairs as required from damages. Contractor shall be responsible to cover floor coverings until Substantial Completion

**19. Joint Sealants**

Subcontractor is to apply joint sealants to all items in this trade package per contract documents. This work must be done in a professional manner and to the approval of the CM and the architect.

**20. Access Doors and Frames**

Subcontractor is to furnish and install all access doors and frames for walls and ceilings per contract documents. This work is to include, but is not limited to, all access doors and frames, all fire-rated access doors and frames, all materials, all frame anchors, all latches, all lock hardware, all finishes, all fasteners, etc.

**21. Visual Display Units**

Subcontractor is to furnish and install all visual display unit assemblies per contract documents. This work is to include, but is not limited to, all marker board assemblies, all tack board assemblies, all floor-to-ceiling markerboard walls, all markerboard panels, all tack board panels, all materials, all finishes, etc.

**22. Room-Identification Panel Signage**

Subcontractor is to furnish and install all room-identification panel signage per contract documents. This work is to include, but is not limited to, all flat panel signs, all blade panel signs, all framed panel signs, all sign materials, all accessories, all fabrication, all finishes, etc.

**23. Post and Panel Signage**

Subcontractor is to furnish and install all post and panel signage per contract documents. This work is to include, but is not limited to, all posts, all panel signs, all accessories, all fabrication, all finishes, etc.

**24. Toilet Compartments**

Subcontractor is to furnish and install all Toilet Compartments per contract documents. This work is to include, but is not limited to, all toilet compartments, all hardware, all accessories, all materials, all fabrication, etc.

**25. Toilet Accessories**

Subcontractor is to furnish and install all Toilet, Bath and Laundry Accessories per contract documents. Work is to include, but are not limited to, all Public-Use Washroom Accessories, all Childcare Accessories, all Custodial Accessories, all materials, all mounting devices, all plating, all mirrors, all fabrication, etc.

**26. Fire Protection Cabinets**

Subcontractor is to furnish and install all Fire Protection Cabinets per contract documents. This work is to include, but is not limited to, all Fire Extinguisher Cabinets, all spill kit cabinets, all fabrication, all finishes, all fasteners, etc. Subcontractor is to coordinate with TP 14 subcontractor for the locations of the cabinets.

**27. Fire Extinguishers**

Subcontractor is to furnish and install all Fire Extinguishers per contract documents. This work is to include, but is not limited to, all portable hand-carried fire extinguishers, all mounting brackets, all fasteners, all mounting hardware, etc.



**28. Building Accessories**

Subcontractor is to furnish and install all building accessories per contract documents. This work is to include, but is not limited to, all laboratory coat hooks, all poster display frames, all stand offs, all face plates, all backing plates, etc.

**29. Roller Window Shades**

Subcontractor is to furnish and install all Roller Window Shades per contract documents for the complete system. This work is to include, but is not limited to, all Manual and Motor-Operated Shades with Single Rollers, all Motor operated double roller shades, all shade band materials, all roller shade automation, all roller shade fabrication, all fascia, all plates, all devices, all wiring, and all pathways, etc.

**30. Blocking for Installation**

All in-wall blocking is via TP 4 General Trades contractor. However, this trade package contractor is responsible to provide all cut sheets through the submittal process per dates required in this bid manual to the construction manager. Additionally, it is the responsibility of this trade contractor to coordinate with TP 4 – General Trades contractor for exact location of blocking for all TP 15 -Specialties materials. If any blocking is installed for TP 15 -Specialties contractor and final materials are installed in different locations than where blocking was located, it will be the responsibility of TP 15 - Specialties contractor to install new blocking and pay to patch walls and repaint as required.

**31. Coordination of Materials**

This subcontractor is to field verify sizes and locations of any and all necessary material and work per the specs and drawings.

## **TRADE PACKAGE #16 – FIRE SUPPRESSION**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

**All Division 01**  
**078413 Penetration Firestopping**  
**079200 Joint Sealants**  
**083113 Access Doors & Frames**  
**All Division 20**  
**210100 Fire Protection**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all construction documents (if the contractor does not review all construction documents, they will not be granted any additional money for scope missed shown on other construction documents) , specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost.

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractors shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site supervision will be required to attend weekly Foreman/superintendents Meetings with the CM. This contractors supervision is to provide daily reports to be turned in Monday of each week for the following week to CM

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Work Outside of Construction Areas**

It is the contractor responsibility when working outside of the designated construction areas to include, but is not limited to: immediately covering any penetrations through floors, walls, and ceilings until they are patched back, all personnel are wearing shoe covers, all trash carts are covered, provide all temporary measures to ensure the area around you stays clean, immediately clean-up work area after work is complete, removal & put back of any and all existing items to remain that are in the way of completing your scope, repairing any damage to items existing to remain, etc.

**16. Access Doors & Frames**

This Contractor is responsible to provide and install all access doors and frames as required for access for this scope of work.

**17. Firestopping**

This contractor is responsible to provide all temporary and permanent firestopping measures as required for this scope of work or needed as a result of damage to existing systems to remain. All labeling required by the contract documents for this scope of work will be the responsibility of this contractor. AHJ, Owner's testing agency, Owner, or CM, have the authority to fail any fire rated penetrations if they are deemed unfit or installed incorrectly. It will be the contractor's responsibility to correct these deficiencies at their cost.

**18. Outages**

This contractor will be responsible to submit all outage notices to Wehr and UK two weeks prior to wanting to begin the outage. If proper and required notification is not given in enough time and a schedule delay is incurred, all penalties shall be borne by this trade contractor. The contractor will need to help work with UK when tracking down the service for all outages. It is this contractor's responsibility to provide all temporary measures, material, and work required by Wehr & UK to be able to complete an outage. If this contractor causes an unplanned outage it is this contractor's responsibility to work continuously until the service is back active. Contractor must also provide fire watch for any building outage over 4 hours.

**19. Cutting and Patching**

This contractor will be responsible to patch all holes in walls, floors, and ceilings after they have removed items passing through walls, floors, and ceilings.

**20. Demolition**

All demolition of existing Fire Suppression Systems to be performed by this subcontractor. During the course of the project, this subcontractor shall ensure that the existing fire suppression system remains active and to the satisfaction of the Authority Having Jurisdiction. All temporary measures necessary to keep the system active are the sole responsibility of this contractor.

**21. New Fire Suppression System**

Subcontractor shall provide all new fire suppression installations as shown in the plans and specifications for a full, operational system. All design documents to be included for full permitting and installation. Contractor shall include all required flow and tamper switches on the system for alarm wiring. Contractor shall provide a written diagram labeling the placement of any zone valves separating new and existing Fire Suppression Systems. This is to include but is not limited to wet system, dry system, flow switches, valves, anchors, hangers, etc.

**22. Lifting/Scaffolding**

Any lifting and/or scaffolding required to complete this scope of work shall be provided by this bid package.

**23. Coordination with Occupied Spaces**

The project interfaces extensively with existing building services. It shall be the contractor's responsibility to coordinate and phase all tie-ins and interruptions of existing services and spaces to minimize or eliminate down time. All considerations must be made to keep systems active before making any Fire Protection system offline. Any temporary measures that must be included to keep systems active are the responsibility of this subcontractor.

**24. State Submission of Drawings, Permits, Fees**

Any submission required for state approval of fire suppression system shall be the responsibility of this subcontractor, including all permits, fees, and inspections necessary.

**25. Field Verification**

All field verification required for shop drawing submission must be done within the first week after contract award to ensure schedule delays are not incurred.

**26. Coordination with Other Trades**

This trade contractor must coordinate with all other trades before installation begins to ensure no conflicts with installation exists respective to other trades. Failure to provide the Construction Manager notice of conflict with other trades before fire suppression is installed will result in changes made at no additional costs by this subcontractor. To summarize, this subcontractor must coordinate with all other trades before installation and bring any potential or definitive conflicts to the Construction Manager for proactive coordination to be achieved. Also, refer to Electrical, HVAC, Plumbing, Reflective Ceiling, and Wall Sections to properly coordinate all installations.

**27. BIM Modeling**

Coordination shall be 3-D VDC, based on Wehr Constructors BIM Execution Plan. This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings.

**28. Joint Sealants**

This contractor is responsible to provide all joint sealants as required for all material installed for this scope of work.

**29. Fireproofing Patching**

Contractor to provide patching of spray fireproofing damaged by this scope of work.

**30. Sleeves**

Furnish and set all Fire Suppression sleeves in all wall type and floors. Provide shop drawings to other trade contractors identifying height and locations of sleeves for coordination.

**31. Make Utilities Safe**

This contractor is responsible to make sure all fire protection utilities that are to be removed are cut, drained and made safe while all other trades are working. This contractor is responsible to communicate and mark all fire protection utilities existing to remain with all trade contractors to ensure they are not damaged or interrupted. Any fire protection utilities that are existing to remain that are damaged due to this contractor not marking or communicating they are active will be the responsibility of this contractor to repair at no cost to the CM or Owner.

**32. Testing/Compliance**

This contractor shall perform a new flow test before starting any design work or calculations. This contractor must submit Hydraulic calculations and system design for review to the design team. All fire protection piping shall be in accordance with NFPA 13.

**33. Allowance**

This contractor shall include \$10,000 Fire Suppression allowance to be used at the CMs discretion. Any unused allowance will be credited to the CM at completion.

## **TRADE PACKAGE 17 – MECHANICAL**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

#### **078413 Penetration Firestopping**

#### **079200 Joint Sealants**

#### **083113 Access Doors & Frames (as it pertains to this scope)**

#### **200100 General Provisions**

#### **200200 Scope of the Mechanical Work**

#### **200300 Shop Drawings, Descriptive Literature, Maintenance Manuals, Parts List, Special Keys & Tools**

#### **200400 Demolition & Salvage**

#### **200500 Coordination Among Trades, Connection of Equipment**

#### **201100 Sleeving, Cutting, Patching and Repairing**

#### **201300 Pipe, Pipe Fittings and Pipe Support**

#### **201310 Welding**

#### **202100 Valves and Cocks**

#### **202110 Access to Valves, Equipment, Filters, Etc.**

#### **202200 Insulation**

#### **202300 Thermometers & Other, Monitoring Instruments**

#### **202400 Identifications, Tags, Charts, Etc.**

#### **202500 Hangers, Clamps, Attachments, Etc.**

#### **203100 Testing, Balancing, Lubrication and Adjust**

#### **220100 Plumbing Specialties**

#### **220200 Plumbing Fixtures, Fittings and Trim**

#### **220800 Commissioning of Domestic Hot Water**

#### **230200 HVAC Equipment and Hydronic Specialties**

#### **230300 Condensate Drain Systems for Cooling Equipment**

#### **230800 Commissioning of HVAC and HVAC Controls**

#### **231100 Registers, Grilles, Diffusers and Louvers**

#### **231200 Sheet Metal Flexible Duct**

#### **250100 Motor Starters and Other Electrical Requirements for Mechanical Systems**

#### **250200 Controls - Direct Digital**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

**1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all drawings (if the contractor does not review all drawings, they will not be granted any additional money for scope missed shown on other drawings) , specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

**2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractor shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed and at a minimum 1 month before scope of work is to commence. Failure to attend will result in a \$350 backcharge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.



**7. Supervision**

Subcontractor must provide an on-site non-working Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site Supervisors will be required to attend weekly Foreman/ Superintendent Meetings with the CM. This contractor's supervisor is to provide daily reports to be turned in Monday of each week for the following week to CM.

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Salvaged Material**

This contractor is required to salvage all Mechanical items as shown on the drawings or called out in the specifications and turn them over to UK. They are to provide a detailed list of all items salvaged to Wehr for tracking purposes.

**14. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**15. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**16. Work Outside of Construction Areas**

It is the contractor responsibility when working outside of the designated construction areas to include, but is not limited to: immediately covering any penetrations through floors, walls, and ceilings until they are patched back, all personnel are wearing shoe covers, all trash carts are covered, provide all temporary measures to ensure the area around you stays clean, immediately clean-up work area after work is complete, removal & put back of any and all existing items to remain that are in the way of completing your scope, repairing any damage to items existing to remain, etc.

**17. Trade Package Specific Scope of Work**

Subcontractor shall be responsible to provide all labor, material, equipment necessary for all plumbing, HVAC, controls, demolition of existing plumbing, demolition of existing HVAC, demolition of existing controls, for a complete system.

**18. BIM Modeling**

Coordination shall be 3-D VDC, based on Wehr Constructors BIM Execution Plan. This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings.

**19. Firestopping**

This contractor is responsible to provide all temporary and permanent firestopping measures as required for this scope of work or needed as a result of damage to existing systems to remain or needed for any existing materials that now pass through new fire walls. All labeling required by the contract documents for this scope of work will be the responsibility of this contractor. AHJ, Owner's testing agency, Owner, or CM, have the authority to fail any fire rated penetrations if they are deemed unfit or installed incorrectly. It will be the contractor's responsibility to correct these deficiencies at their cost.

**20. Outages**

This contractor will be responsible to submit all outage notices to Wehr and UK two weeks prior to wanting to begin the outage. If proper and required notification is not given in enough time and a schedule delay is incurred, all penalties shall be borne by this trade contractor. The contractor will need to help work with UK when tracking down the service for all outages. It is this contractor's responsibility to provide all temporary measures, material, and work required by Wehr & UK to be able to complete an outage. If this contractor causes an unplanned outage it is this contractor's responsibility to work continuously until the service is back active.

**21. Make Utilities Safe**

This contractor is responsible to make sure all mechanical utilities that are to be removed are cut, drained and made safe while all other trades are working. This contractor is responsible to communicate and mark all mechanical utilities existing to remain with all trade contractors to ensure they are not damaged or interrupted. Any mechanical utilities that are existing to remain that are damaged due to this contractor not marking or communicating they are active will be the responsibility of this contractor to repair at no cost to the CM or Owner.

**22. Construction Filters**

Contractor required to provide and maintain construction filters and filter fabric as required at all inlets for all new services and any services that are existing to remain.

**23. Mechanical Demolition**

Contractor is responsible for demolition of all mechanical items as called out or shown on the drawings. This is to include but is not limited to: all ductwork, all piping (gas, lab gas, domestic water, hydronic, waste, vent, etc.), HVAC equipment, controls (control boxes, wiring, conduit etc.), hangers, etc. The contractor will be required to provide all caps, valves, and blanks to make utilities safe where they are demoing them back to an existing main.

**24. Patching for Mechanical Demolition**

This contractor will be responsible to patch all holes in walls, floors, and ceilings after they have removed items passing through walls, floors, and ceilings.

**25. Temporary Water Service**

This contractor is responsible to provide all temporary water service in all interior ~~and exterior~~ construction areas for all trades to use. The contractor is responsible for any usage costs for this service.

**26. Protection of Finished Materials**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontract shall result in this subcontract making any necessary repairs as required from damages. Contractor shall be responsible to cover floor coverings until Substantial Completion

**27. Test and Balance**

Any pretesting of ductwork, balancing of existing systems to be repurposed, or Testing and Balancing of New Installations shall be the responsibility of this subcontract.

**28. Code Compliance**

This contractor shall meet the specification requirements for access panel installation, adding shutoff valves as necessary, dampers as needed, etc. If an access panel is not shown on the construction documents but will be required for code compliance relative to HVAC and/or plumbing, access panel must be provided and installed by this subcontractor. If any shutoff valves are required for construction purposes, code compliance, etc., these must be included by this subcontractor.

**29. Coordination with Occupied Spaces**

The project interfaces extensively with existing building services. The contractor will have to coordinate all work to take place in occupied spaces with the owner & CM before beginning any work. It shall be the contractor's responsibility to coordinate and phase all tie-ins and interruptions of existing services and spaces to minimize or eliminate down time. All considerations must be made to keep systems active before making any Plumbing or HVAC system offline. Any temporary measures that must be included to keep systems active are the responsibility of this subcontractor.

**30. State Submission of Drawings, Permits, Fees**

Any submission required for state approval of Plumbing and/or HVAC system shall be the responsibility of this subcontractor, including all permits, fees, and inspections necessary.

**31. Field Verification**

All field verification required for shop drawing submission must be done within the first week after contract award to ensure schedule delays are not incurred.

**32. New HVAC Work**

This contractor is responsible to furnish all material, labor, and equipment to provide a complete HVAC system. This is to include, but is not limited to: ductwork, hydronic piping (chilled water, steam, hot water, cold water, etc.), HVAC equipment (VAVs, CAVs, pumps, coils, fans, humidifiers, etc.), roof-top equipment (AHUs, exhaust fans, valves, dampers, GRDs, louvers, insulation, hangers, fasteners, anchors, roof curbs, seismic bracing, labels, signage, etc.

**33. New Plumbing Work**

This contractor will be required to furnish all material, labor, and equipment, to provide a complete plumbing system. This is to include, but is not limited to piping (domestic water, sanitary, vents, gas piping, vacuum piping, RO water piping, lab gas piping, roof leaders, etc.), all plumbing fixtures, plumbing equipment (pumps, vacuum pumps, water heaters, etc.), wall outlets, valves, caps, floor drains, roof drains, mop sinks, cleanouts, hangers, fasteners, anchors, insulation, labels, signage, etc.

**34. Controls**

Contractor to include an allowance for all controls work that will be issued via Addendum. Contractor is responsible to coordinate with the controls contractor selected prior to the bid to ensure all items required for a full control systems is covered. Contractor will not be compensated for any errors or omissions in scope between the Mechanical Contractor and the Controls Contractor.

**35. Temporary Conditioning**

Contractor shall provide temporary conditioning of the loading dock during construction for the duration of supply ducts being interrupted. Exhaust ducts shall remain in operation. Provide temporary connections as necessary. Schedule the outage for the final switchover to the new lab exhaust manifold.

**36. Sleeves**

Furnish and set all HVAC and plumbing sleeves in all wall type and floors. Provide shop drawings to other trade contractors identifying height and locations of sleeves for coordination.

**37. Cutting & Patching**

Provide all cutting and patching required for this scope of work. This is to include, but is not limited to: all saw-cutting, core drilling, hammer drilling, hole saws, etc. Contractor required to follow all guidelines per the Structural engineer when cutting and patching.

**38. Joint Sealants**

This contractor is responsible to provide all joint sealants as required for all material installed for this scope of work.

**39. Commissioning & Testing**

Contractor required to provide commissioning support to owner's commissioning agent. This is to include, but is not limited to: completing all commissioning documentation, attending commissioning meetings, on-site support during functional testing, on-site support to resolve any issues discovered during commissioning of installed work. This contractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and CM. Provide multiple testing of installations as required to meet the project schedule.

**40. Existing Ceilings**

Contractor is responsible to remove, reinstall, replace, & repair all existing ceilings to remain that the contractor will need to access to complete their scope of work.

**41. Contractor Coordination**

Contractor responsible to coordinate with all other trades when installing all items. This is to include, but is not limited to: confirming rough-ins for all final tie-ins, providing all materials to be installed by others in a timely manner, completing all final tie-ins of materials provided by others, etc.

**42. Fireproofing Patching**

Contractor to provide patching of spray fireproofing damaged by this scope of work.

**43. OFCI Materials**

Contractor is responsible for all material, labor, and equipment required to install full systems for all OFCI equipment. This is to include, but is not limited to: coordination with owner & CM, receiving and storing all equipment, mounting all equipment, confirming rough-ins, completing all tie-ins, confirming equipment interfaces with all other trades, equipment start-up, etc. The owner has purchased under a separate contract all air handling units, all exhaust and return fans and all variable frequency drives (VFD's) for the air handling units and exhaust and return fan.

**44. Mechanical Systems Cleaning**

Contractor shall be responsible for flushing, cleaning, and certification of all HVAC systems and plumbing systems as required by contract documents and codes. If any system installed under this scope is dirtied through the actions of this contractor, this contractor shall be responsible for cleaning of the entire system. All individual ductwork pieces shall be shrink-wrapped prior to delivery to jobsite. Maintain wrapping until ductwork is hung in place. Cover open ends of in-place ductwork at the end of each day. If dirt gets into the ductwork as determined by the owner and/or CM, this contractor shall provide cleaning of ductwork to the satisfaction of the CM at no additional cost. Cover all RGD's during installation with plastic. During temporary use of permanent ductwork, cover RGD's with filter fabric. Remove and/or replace plastic and filter fabric at the direction of the CM.

**45. Roof Protection**

This contractor is responsible to provide all roof protection as required for this scope of work. The roof protection should consist of iso-board and plywood. All roof protection should be anchored down per the roofer's instructions. The roof protection provided by this contractor is to be maintained and repaired by this trade package and per the CMs discretion. If the roofing is damaged due to this contractor not installing roof protection or not maintaining and repairing the roof protection then it will be this contractor's responsibility to repair the roofing at their cost.

**46. Special Testing**

Contractor shall coordinate with the Owner's testing agency as required per the contract documents; for all special testing requirements. In the event that a test should fail, this contractor shall either remove and replace the represented work, or repair the represented area as directed by the Design Team, UK, or the CM. All cost associated with additional testing and rework shall be the responsibility of this contractor.

**47. Weather Conditions**

This contractor shall make all provisions to stay on the construction schedule through abnormal weather conditions per the contract documents. Contract extensions will not be considered for abnormal weather conditions, unless it exceeds the amount as defined in the construction documents. The contractor should make-up weather days on an additional shifts, weekends, and longer shifts, etc.

**48. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

**49. Second Shift Work**

This contractor is to include 6 months of workdays working 2 shifts on this project. The CM will determine when this contractor is required to work 2 shifts and will provide 1 week's notice of the upcoming 2 shift work. This contractor is expected to have the same size crew on both shifts when working 2 shifts.

**50. Allowance**

This contractor shall include \$25,000 Mechanical allowance to be used at the CMs discretion. Any unused allowance will be credited to the CM at completion.

## **TRADE PACKAGE #18 – ELECTRICAL AND LOW VOLTAGE SYSTEMS**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

**078413 Penetration Firestopping**

**079200 Joint Sealants**

**083113 Access Doors & Frames (as it pertains to this scope)**

**26 0501 General Provisions**

**26 0502 Scope of the Electrical Work**

**26 0503 Shop Drawings, Literature, Manuals, Parts Lists, and Special Tools**

**26 0504 Sleeving, Cutting, Patching, and Repairing**

**26 0505 Demolition, Restoration and Salvage**

**26 0508 Coordination Among Trades, Systems Interfacing and Connection of Equipment Furnished by Others**

**26 0519 Conductors, Identifications, Splicing Devices and Connectors**

**26 0526 Grounding and Bonding for Electrical Systems**

**26 0531 Cabinets, Outlet Boxes and Pull Boxes**

**26 0533 Raceways and Fittings**

**26 0553 Identifications**

**26 0573 Electrical Studies**

**26 0800 Commissioning of Electrical and Lighting Controls**

**26 0943 Network Lighting Controls**

**26 2200 Low Voltage Transformers**

**26 2416 Panelboards**

**26 2726 Wiring Devices and Plates**

**26 4113 Lighting Protection**

**26 4313 Surge Protection for Low-Voltage Electrical Power Circuits**

**26 5113 LED Lighting Fixtures & Lamps**

**27 0501 General Provisions Telecommunications**

**27 0610 Voice/Data System/Video Communications System**

**27 0800 Commissioning of Communications**



**28 0501 General Safety Security**  
**28 0800 Commissioning of Electronic Safety and Security**  
**28 1643 Perimeter Security and Safety**  
**28 2300 Digital Video Surveillance System**  
**28 4600 Addressable Fire Alarm System – Voice**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

**1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all construction documents (if the contractor does not review all construction documents, they will not be granted any additional money for scope missed shown on other construction documents), specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

**2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractors shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site supervision will be required to attend weekly Foreman/superintendents Meetings with the CM. This contractors supervision is to provide daily reports to be turned in Monday of each week for the following week to CM

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work. This contractor is to also provide any protection needed for new curtain walls or adjacent surfaces as required in order to protect from damages of other trades. Any damages to other surfaces will be repaired or replaced at the expense of this contractor.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. Contractor is responsible for own loading & unloading and staging / protection of their own Materials & tools, etc. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Weather Conditions**

This contractor shall make all provisions to stay on the construction schedule through abnormal weather conditions per the contract documents. Contract extensions will not be considered for abnormal weather conditions, unless it exceeds the amount as defined in the construction documents. The contractor should make-up weather days on an additional shift, weekends, and longer shifts, etc. and schedule this work with the CM before beginning the make-up work.

**15. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**16. Work Outside of Construction Areas**

It is the contractor responsibility when working outside of construction areas to include, but is not limited to: immediately covering any penetrations through floors, walls, and ceilings until they are patched back, all personnel are wearing shoe covers, all trash carts are covered, provide all temporary measures to ensure the area around you stays clean, immediately clean-up work area after work is complete, removal & put back of any and all existing items to remain that are in the way of completing your scope, repairing any damage to items existing to remain, etc.

**17. Firestopping**

This contractor is responsible to provide all temporary and permanent firestopping measures as required for this scope of work or needed as a result of damage to existing systems to remain or needed for any existing materials that now pass through new fire walls. All labeling required by the contract documents for this scope of work will be the responsibility of this contractor. AHJ, Owner's testing agency, Owner, or CM, have the authority to fail any fire rated penetrations if they are deemed unfit or installed incorrectly. It will be the contractor's responsibility to correct these deficiencies at their cost.

**18. Outages**

This contractor will responsible to submit all Shutdown notices to Wehr and UK via Outage Request Form two weeks prior to wanting to begin the shutdown. Once the shutdown has begun the contractor is to wait 2 hours before beginning work to allow UK time to check and make sure nothing unexpected has been turned off. The contractor will need to help to work with UK when tracking down the service for all shutdowns. It is this contractor's responsibility to provide all temporary measures, material, and work required by Wehr & UK to be able to complete a shutdown. If this contractor causes an unplanned outage, it is this contractor's responsibility to work continuously until the service is back active at this contractors' expense.

**19. Make Safe Utilities**

This contractor is responsible to make sure all electrical systems that are to be removed are made safe while all other trades are working. This contractor is responsible to communicate and mark all electrical systems to remain with all trade contractors to ensure they are not damaged or interrupted. Any electrical systems that are existing to remain that are damaged due to this contractor not marking or communicating they are active will be the responsibility of this contractor to repair at no cost to the CM or Owner.

**20. Cutting and Patching**

For any areas that Electrical systems are to be installed through existing floors, walls, ceilings, and or roofing, all cutting/patching required for systems to be run shall be the responsibility of this contractor.

**21. BIM Modeling**

Coordination shall be 3-D VDC, based on Wehr Constructors BIM Execution Plan. This subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings.

**22. Coordination of Owner Equipment**

All owner equipment cut sheets and information will be provided for subcontractor use and review. It is the responsibility of the subcontractor to ensure all rough-in locations & hard connections are per the cut sheets provided by the equipment vendors. (if applicable) Any changes required from what is shown must be coordinated through the Construction Manager.

**23. OFCI Materials**

Contractor is responsible for all material, labor, and equipment required to install full systems for all OFCI equipment. This is to include, but is not limited to: coordination with owner & CM, receiving and storing all equipment, mounting all equipment, confirming rough-ins, completing all tie-ins, confirming equipment interfaces with all other trades, equipment start-up, etc. The owner has purchased under a separate contract, an interior I-line panel board, cover trim and lug kits and one (1) transformer dry-type.

**24. Lifting/Scaffolding**

Any lifting and/or scaffolding required to complete this scope of work shall be provided by this bid package.

**25. Coordination with Occupied Spaces**

The project interfaces extensively with existing building services. It shall be the contractor's responsibility to coordinate and phase all tie-ins and interruptions of existing services to minimize or eliminate down time. All considerations must be made to keep systems active before making any electrical & low voltage system offline. Any temporary measures that must be included to keep systems active are the responsibility of this subcontractor. In the instance of a Fire Alarm shut down, it is the responsibility of this contractor to provide a fire watch 100% of the downtime.

**26. State Submission of Drawings, Permits, Fees**

Any submission required for state approval of electrical system shall be the responsibility of this subcontractor, including all permits, fees, and inspections necessary.

**27. Coordination with Other Trade**

Contractor responsible to coordinate with all other trades when installing all items. This is to include, but is not limited to: confirming rough-ins for all final tie-ins, providing all materials to be installed by others in a timely manner, completing all final tie-ins of materials provided by others, etc.

**28. Permits and Fees**

Contractor is responsible for all permits, fees, certifications, inspections, etc. as it pertains to this scope of work, both in the demolition and the construction sequences.

**29. Electrical Demolition**

Subcontractor is responsible for demolition of all electrical, low voltage, and fire alarm items as called out or shown on the drawings. This is to include but is not limited to: all devices, all switches, wiring, conduit, ~~panels, gear,~~ fire alarm devices, ~~cable tray,~~ j-hooks, low voltage racks, hangers, lighting, ~~equipment pads,~~ etc. ~~This contractor shall also be responsible for removal of existing light poles on Huguleet Dr.~~

**30. Exterior Work**

This contractor is responsible to remove and store 2 existing light poles and 1 camera that is located within the exterior construction area. Once all exterior work is complete the light poles and cameras will need to be installed in the same locations.

**31. Patching for Electrical Demolition**

This contractor will be responsible to patch all holes in walls, floors, and ceilings after they have removed items passing through walls, floors, and ceilings.

**32. Protection of Existing Services**

Contractor shall be responsible for removal, relocation, or installation of existing utilities as depicted in the project specifications and by the contract documents. It is the responsibility of this contractor to protect and maintain any existing Electrical Utilities, low voltage and Fire Alarm. If existing equipment, utilities, components or services are damaged in anyway, they will be remediated by the CM at the cost of this contractor.

**33. Temporary Electrical Service**

This contractor is responsible to provide multiple temporary electric service evenly spaced throughout the construction areas for all trades to use. Wehr Constructors may request at any time that you increase the number of temporary outlets until we deem it as adequate. The contractor is responsible for any usage costs for this service.

**34. New Electrical Services**

It is the responsibility of this Contractor to provide all material and labor to establish a complete and working electrical system as reflected in the construction documents. This includes but is not limited to all conduit, wire and accessories, wiring devices, service and distribution equipment, lighting, lighting controls, isolated power systems, and grounding per the specifications, etc. In addition, this contractor is expected to wire all architectural and mechanical items provided by other trade packages. It is expected of this contractor to review

the Construction Documents in their entirety to identify each specific item necessary. This contractor is expected to have open dialog with such trades to identify areas of coordination and startup of equipment.

**35. Joint Sealants**

Contractor is to furnish and install all joint sealants per contract documents. This work is to include, but is not limited to, all exterior penetrations, interior penetrations, roof penetrations, etc.

**36. Access Doors & Frames**

This Contractor is responsible to provide and install all access doors and frames as it pertains to this scope of work. If an access panel is not shown on the construction documents but will be required for code compliance relative to electric, low voltage, or fire alarm an access panel must be provided and installed by this subcontractor.

**37. Protection of Finished Materials**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontract shall result in this subcontract making any necessary repairs as required from damages. Contractor shall be responsible to cover floor coverings until Substantial Completion

**38. Roof Protection**

This contractor is responsible to provide all roof protection as required for this scope of work. The roof protection should consist of iso-board and plywood. All roof protection should be anchored down per the roofer's instructions. The roof protection provided by this contractor is to be maintained and repaired by this trade package and per the CMs discretion. If the roofing is damaged due to this contractor not installing roof protection or not maintaining and repairing the roof protection, then it will be this contractor's responsibility to repair the roofing at their cost.

**39. Commissioning & Testing**

Contractor required to provide commissioning support to owner's commissioning agent. This is to include, but is not limited to: completing all commissioning documentation, attending commissioning meetings, on-site support during functional testing, on-site support to resolve any issues discovered during commissioning of installed work. This contractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and CM. Provide multiple testing of installations as required to meet the project schedule.

**40. Low Voltage Systems**

It is the responsibility of this contractor to furnish all labor, equipment and man power required to provide all components reflected in the construction documents for all low voltage systems. This includes but is not limited to ~~audio, visual~~, telecommunications, data, cable tray, conduit, racks, switches, connections, wiring, plates, etc.

**41. Temporary Lighting**

This contractor is responsible to provide and maintain temporary lighting throughout the construction area per OSHA standards and is installed to the deck with the wiring high and out of way. You may not utilize the existing lighting to provide temporary lighting. Wehr

Constructors may request at any time that you increase the number of temporary lights until we deem it as adequate. The contractor is responsible to maintain all temporary lighting for the duration and remove it when it is no longer needed. Contractor required to provide and maintain temporary lighting on all exterior site fencing.

**42. Heat Detectors**

Contractor required to provide heat detectors through-out the entire construction area as required to complete work by all trades and per the CMs discretion. The contractor is required to maintain all existing and new heat detectors for the duration of the project and remove them when they are not needed.

**43. Electronic Security**

All electronic security for door installation is defined as follows:

- a. Power, conduit, and cabling running to the power supply shall be by the electrical contractor. Connections to the power supply to make it active are by the electrical contractor.
- b. All pathways for access control and security to be provided by TP18 - Electrical
- c. Power Supplies are to be furnished and installed by TP9 - DFH.
- d. Conduit, cabling, terminations, programming from the power supply to the card reader, keypad, etc. are the responsibility of TP9 - DFH Subcontractor.
- e. Furnishing and installing keycard, card reader, etc. are to be the responsibility of TP9 DFH contractor
- f. Prepping of all door frames to receive keycard installations to be the responsibility of TP9 DFH contractor.
- g. All final connections, wiring, programming, coordination with Owner systems, etc. are the responsibility of the TP 9 DFH contractor.

**44. Crane Equipment**

Contractor is responsible to provide Crane lifting equipment, for this Trade Package, if necessary, to set all equipment in place for installation of equipment and/or materials. Contractor shall provide ten (10) calendar days prior notice to CM in order to make arrangements for road closure as well as coordinate with UK and all other trades. Contractors shall follow all FAA regulations including helicopter flight pattern.

All crane work, lifting and swinging will be required to be done on the weekends. The crane will need to be set up and dismantled each day and parked offsite at a location on campus yet to be determined by UK should consecutive days of lifting be necessary. Contractor is responsible to determine size of the crane required to lift and swing their equipment for installation. See site logistics plan for approved location of onsite crane during use.

**45. Temporary Electric for CM Office**

This contractor is responsible for providing all wiring, conduit, and devices for 6 quad outlets in the CM office in the basement. Location in the office to be determined by the CM.

**46. Audiovisual Pathways**

This contractor is responsible for all pathways and rough-ins for the audiovisual work.

**47. Second Shift Work**

This contractor is to include 6 months of workdays working 2 shifts on this project. The CM will determine when this contractor is required to work 2 shifts and will provide 1 week's notice of the upcoming 2 shift work. This contractor is expected to have the same size crew on both shifts when working 2 shifts.

**48. Fire Alarm Log**

This contractor will be responsible prior to beginning any work on documenting the current state of the fire alarm panel and sent to UK and the CM for review. This contractor will be responsible to keep an on-site daily log of the fire alarm system for the duration of this project. Any contractor that needs to work on the fire alarm system will be required to fill out the daily log.

**49. Fire Alarm Allowance**

This contractor shall also include an allowance for JCI Fire Alarm of approximately \$86,000. It is the responsibility of the electrical contractor to coordinate with JCI prior to the bid to ensure a complete install of all fire alarm equipment. Contractor will not be compensated for any errors or omissions in scope between the Electrical Contractor and the Fire Alarm Contractor.

**50. Allowances**

This contractor shall include \$25,000 electrical allowance to be used at the CMs discretion. Any unused allowance will be credited to the CM at completion.



## **TRADE PACKAGE #19 – Audiovisual Systems**

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### **PART 1 – GENERAL REQUIREMENTS**

This section is meant to define significant items of the scope of work to be provided by the subcontractor submitting on the above listed bid package, which includes any special provisions related to the Subcontractor's execution of the Work and the project. The details of the scope of work are additionally defined in the Drawings, Specifications, and other provisions contained in the Project Documents.

### **PART 2 - SPECIFICATION SECTIONS TO BE INCLUDED**

Furnish and install the following sections complete with all associated items required from the contract documents. Any bids with qualifications and/or exclusions limiting the scope of work to less than indicated herein will not be accepted.

#### **All Division 01**

#### **078413 Penetration Firestopping**

#### **079200 Joint Sealants**

#### **083113 Access Doors & Frames**

#### **274116 Integrated Audio-Video Systems & Equipment**

### **PART 3 – SCOPE OF WORK CLARIFICATIONS**

#### **1. Scope of Work - GENERAL**

It is the intent for this project that the subcontractor performs all work scoped herein and as specified in the Drawings and Specifications. This subcontractor furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, all applicable taxes included for Kentucky, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, where temporary or permanent, in full compliance with all construction documents (if the contractor does not review all construction documents, they will not be granted any additional money for scope missed shown on other construction documents) , specifications, addenda, general conditions, requirements, and other related documents as indicated herein. Subcontractor to reference other Trade Packages for clarifications of coordination among other trades.

#### **2. General Cleanup**

This subcontractor will be responsible for general area cleanup daily of all areas where Scope of work is being performed. If the contractor is not performing an adequate daily clean-up then the site will be cleaned for them at their cost

**3. Safety**

Subcontractor will adhere to all Federal, State, Local, University of Kentucky, and Wehr Constructors' requirements as set forth in all applicable law and project documents. Contractors shall always have spotters anytime equipment, trucks, etc. are moved outside fenced construction area as pedestrian traffic is very high in these locations. Additionally, subcontractor will adhere to all safety directives and practices; as may be issued from time to time by Wehr Constructors personnel.

**4. Communication and Progress Meetings**

If awarded the subcontract, the Subcontractor agrees to attend all requested bi-weekly coordination/progress meetings on site. Project Manager and Superintendent required to be on site and present at each progress meeting while scope of work is being performed, or at a minimum of 1 month before scope of work is to commence. Failure to attend will result in a \$350 back charge to Subcontractor

**5. Photographic Documentation**

The contractor is responsible to provide photographic documentation showing work progress for the entire duration.

**6. Bonding**

100% Performance Bond and a 100% Payment Bond is required for contract execution. P&P Bond execution may be waived at the discretion of the Construction Manager and/or the Owner and subcontractor must issue written request before supplying P&P bond. If a subcontractor provides a P&P bond before a written request by the Construction Manager is submitted, costs may still be credited from subcontractor to the Owner/Construction Manager based on the cost to be included on the bid form.

**7. Supervision**

Subcontractor must provide an on-site Supervision at all times while scope of work is being performed to coordinate all pertinent items with Wehr Constructors' site staff. All on site supervision will be required to attend weekly Foreman/superintendents Meetings with the CM. This contractors supervision is to provide daily reports to be turned in Monday of each week for the following week to CM

**8. Site Protection**

This contractor is responsible to protect all existing conditions on-site that are not to be disturbed as a part of the construction scope. It will be the contractor's responsibility to restore any items damaged due to their work. Any damages to other surfaces will be repaired or replaced at the expense of this contractor.

**9. Work Hours**

The work hours for this project are 5 days a week (Monday-Friday) from 7am to 4:00 pm. The expectation is for the contractor to be working on the site during these hours, travel time to and from the site is the contractor's responsibility outside of these work hours. These hours will need to be flexible and there will not be any extra compensation for adjusting these hours. It will be the contractor's responsibility to provide adequate manpower and as many shifts as required to meet the construction schedule. If the contractor refuses to bring in additional manpower to meet the schedule, then we will supplement their workforce at their cost.

**10. Sequence of Construction**

Contractor responsible for as many mobilizations as required per all of the construction sequencing as described in the construction schedule and per the CMs direction.

**11. Material Deliveries**

All material deliveries will be scheduled with the CM a minimum of 72 hours in advance and will be discussed in weekly meetings. All materials are to be delivered to and through the Owner's loading dock. Once all materials are unloaded all vehicles need to be moved immediately.

**12. Parking**

Parking will not be provided or allowed on the job-site for any contractor for this project. It is the contractor's responsibility to make parking arrangements for all personnel, vendors, suppliers etc. Vehicles on site will be towed at vehicle owner's expense. Trucks dropping off materials, etc. will need to be scheduled with CM Supervisors in the weekly on-site Foreman / Superintendent Meetings. These trucks will be required to drop off materials and then immediately leave the site as space will be very limited.

**13. Badges**

All personnel working on the job-site will be required to have UK badges. These badges are to be worn at all times on the upper half of the body where they are visible. Any person not wearing their badge will be asked to leave the premises.

**14. Submittals**

This contractor will be responsible to submit all submittals required for this project within 30 calendar days of contract award. If the contractor fails to have all submittals turned in during this timeline, then they will be subject to a \$100 per calendar day backcharge until all submittals are submitted.

**15. Work Outside of Construction Areas**

It is the contractor responsibility when working outside of construction areas to include, but is not limited to: immediately covering any penetrations through floors, walls, and ceilings until they are patched back, all personnel are wearing shoe covers, all trash carts are covered, provide all temporary measures to ensure the area around you stays clean, immediately clean-up work area after work is complete, removal & put back of any and all existing items to remain that are in the way of completing your scope, repairing any damage to items existing to remain, etc.

**16. Trade Package Specific Scope of Work**

This contractor shall be responsible for all necessary work and material for a complete job in regard to the Trade Package 19 – Audio Visual Systems. This scope is to include, but is not limited to, pathways not shown on the construction documents, all wires, all audio/visual systems, all encoders/decoders, all touch panels, all labeling of equipment, all organization and racking equipment, all required testing, all mounts, all processors, all work per the CMs discretion, etc.

**17. Coordination of Owner Equipment**

Contractor shall be responsible for the coordination and installation of all OFCI items per the contract documents. All owner equipment cut sheets and information will be provided for subcontractor use and review. It is the responsibility of the subcontractor to ensure all rough-in locations & hard connections are per the cut sheets provided by the equipment vendors. (if applicable) Any changes required from what is shown must be coordinated through the Construction Manager.

**18. Coordination with Occupied Spaces**

The project interfaces extensively with existing building services. It shall be the contractor's responsibility to coordinate and phase all tie-ins and interruptions of existing services to minimize or eliminate down time.

**19. Coordination with Other Trades**

It is the responsibility of this contractor to coordinate with all other trades that will be working around this trade package. Failure of any contractor to coordinate with other trades and resulting in required rework, it will be the responsibility of the contractor failing to communicate to repair work as necessary.

**20. Pathways**

Contractor shall be responsible for all pathways required for this scope of work. This is to include, but is not limited to, all pathways that is required outside of what has been installed by the electrical contractor per the contract documents, etc.

**21. New Audio/Visual System**

It is the responsibility of this Contractor to provide all material and labor to establish a complete and working audio/visual system as reflected in the construction documents. This includes but is not limited to cable and equipment, Matrix Switches, Distribution Amplifiers, Equalizers, central controllers, interfaces, equipment racks, and hardware. Any items not called out that are necessary for a complete and functioning AV system per design intent shall be included. In addition, this contractor is expected to wire all audio/visual items supplied by other trade packages and the owner. It is expected of this contractor to review the Construction Documents in their entirety to identify each specific item necessary. This contractor is expected to have open dialog with such trades to identify areas of coordination and startup of equipment.

**22. Equipment Review**

Some items under this trade package are required to be reviewed by UK personnel before being delivered to site. It is the responsibility of this contractor to coordinate with UK personnel to complete these inspections as required.

**23. Commissioning & Testing**

Contractor required to provide commissioning support to the University's staff and the design engineer. This is to include, but is not limited to: completing all commissioning documentation, attending commissioning meetings, on-site support during functional testing, on-site support to resolve any issues discovered during commissioning of installed work. This contractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third-party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and CM. Provide multiple testing of installations as required to meet the project schedule.

**24. Protection of Completed Work**

Once finished materials are in place, it is the responsibility of this subcontractor to protect finished material until deemed necessary for removal by the Construction Manager. Failure to properly protect finished materials put in place by this subcontractor shall result in this subcontractor making any necessary repairs as required from damages.