UNIVERSITY OF KENTUCKY Purchasing Division

INVITATION FOR BIDS: CCK-2689-23 IMPROVE SANDERS-BROWN CENTER ON AGING/NEUROSCIENCE FACILITIES PROJECT #2571.0 ADDENDUM # 3 FEBRUARY 17th, 2023 New Bid Due Date – 3/15/2023

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

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY 03/15/2023 @ 3:00 P.M. LEXINGTON, KY TIME.

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

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

- 1. Clarification to Subcontract <u>All Work Categories</u>: The bid deadline has been extended to Wednesday, 3/15/2023 at 3:00p.m. prevailing time in Lexington, KY
- Clarification to Subcontract <u>All Work Categories</u>: The written question deadline has been extended to Wednesday, 3/1/2023 at 1:00p.m. prevailing time in Lexington, KY. Questions received after this time may not receive an answer or acknowledgement. All questions should be sent in writing to <u>cckbidquestions@uky.edu</u> or can be faxed to (859)257-9100
- 3. Clarification to Subcontract <u>All Work Categories:</u> The revised date for the final addendum is Wednesday, March 8, 2023.
- Clarification to Subcontract <u>All Work Categories</u>: Please see the attached document from OMNI Architects which provides general clarification to drawings and specifications. The Bid Amount shall include the cost to provide this scope.
- 5. Clarification to Subcontract <u>All Work Categories:</u> Please see the attached answers to bid questions 1-64. The Bid Amount shall include the cost to provide this scope.
- 6. Clarification to Subcontract <u>All Work Categories:</u> Please see the attached updated logistics plan. The Bid Amount shall include the cost to provide this scope.
- Clarification to Subcontract <u>WC 01A</u>: Work Category 01A has been updated in addendum #3 and should be used for bid submission. 01A now includes scope for Spray Fireproofing. Bid Amount shall include the cost to provide this scope.
- 8. Clarification to Subcontract <u>WC 02A</u>: Work Category 02A has been updated in addendum #3 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.

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- 9. Clarification to Subcontract <u>WC 09A</u>: Work Category 09A has been updated in addendum #3 and should be used for bid submission. 09A now includes metal column covers and demolition of shaft walls in 4th floor DLAR area. Bid Amount shall include the cost to provide this scope.
- **10. Clarification to Subcontract <u>WC 26A</u>:** Work Category 26A has been updated in addendum #3 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.

OFFICIAL APPROVAL UNIVERSITY OF KENTUCKY **SIGNATURE**

Ken Scott 02/21/2023

Ken Scott / (859) 257-9102

Typed or Printed Name

End of Addendum #3

ADDENDUM NUMBER THREE

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

PROJECT INFORMATION

- 1. **Future Addenda and Bidder Questions** The revised date for final addendum is Wednesday, March 8, 2023. The revised deadline for Bidder's questions is Wednesday March 1, 2023. All questions are to be directed to the Purchasing Official via email to cckbidquestions@uky.edu or can be faxed to (859)257-9100.
- 2. Bid Opening The revised date for Bid Opening is Wednesday, March 15, 2023.

PRODUCT INFORMATION

For all of the product information listed below, Bidders are reminded that the listing of a manufacturer in this document is in no way an endorsement or approval of the manufacturer's products, nor is it a waiver of any specified criteria. All bidders must comply with the criteria originally specified.

1. Mini Split Systems (Specification 23 0200) – The following manufacturers may offer products that meet the specified criteria:

Daikin Samsung LG Mitisubishi

2. Laboratory Airflow Control Systems (Specification 23 0200) – The following manufacturers may offer products that meet the specified criteria:

Phoenix Controls Antec by Price Industries

QUESTIONS & CLARIFICATIONS

3. **Division 3 Specifications** – Question: "TC 03A - Div 03 specs make reference to rustication strips but no dimensions/sizing is provided. Please clarify."

Answer: Spacing shall be coordinated with architectural drawings. Rustication joints shall be $\frac{3}{4}$ " high x 1 $\frac{1}{2}$ " base triangle shape.

4. **Specification Section 03 3000 Cast-in-Place Concrete** – Question: "TC 03A -Spec section 03 3000 indicates that water reducing admixtures are mandatory for architectural concrete. Mix type 2 for exterior walls indicates that WR is optional. This seems to be a contradiction. Please clarify."

Answer: Water reducer is optional for the exposed wall.

5. Specification Section 06 4116 Plastic-Laminate-Clad Architectural Cabinets – Question: "Is this going to be registered as an AWI QCP Project, or just want casework fabricators to be AWI Quality Certified?"

Answer: The casework is not required to be AWI QCP certified, however, the casework fabricator is required to be AWI Quality Certified.

6. **Specification Section 06 4116 Plastic-Laminate-Clad Architectural Cabinets** – Question: "Specs call for laminate edging, pvc is more durable & industry norm, will this be accepted? 1mm or 3mm pvc?"

Answer: Per item 2.2.F.4., door and drawer edges are to be grade HGS laminate. Per item 2.2.G.1.a, edges of plastic-laminate shelves are to have 3mm PVC edge banding.

 Specification 12 3661 Solid Surfacing Fabrications – Question: "Spec section 123661, 2.2 A3, calls out solid surface colors, SS-1 Blue Pebble is discontinued, SS-2 Evening Prima is still a good color, do we just price all solid surface in Corian Group 4 colors?" Answer: Replace item 2.2.A.3.a. "SS-1" "Blue Pebble." with "SS-1: "Dove."

8. **Specification 06 4116 Plastic-Laminate-Clad Architectural Cabinets** – Question: "Spec section 2.2 K E, calls for aluminum wall panels at Reception Desk to be selected from full range, including custom colors. I need a specific manufacturer & color group to be able to price this without losing money? Or give us a sq ft price to use?"

Answer: Color to match that of perforated aluminum wall panel system. See item 19 below for additional information.

9. Drawing S-2.6a – Question: "Section C / S-2.6a includes references to second, third, and fourth floors. Is it intended that the work shown in this section occurs in two locations, once between second and third floors, and again between third and fourth floors?"

Answer: The section details the extent of the continuous angle from the second floor concrete beam to the fourth floor concrete beam. The continuous angle shall attach to the second, third, and fourth floor beams. The opening support tube (HSS4x4) shall occur at the second and third floor opening. Fourth floor precast is to remain in place as originally attached. The section occurs in one place, continuous from the second to fourth floor.

10. **Drawing S-2.3a** – Question: "TC 03A - Please clarify the dimension of the Edge of Slab extension from existing slab on Level 3 along column line XF."

Answer: 1'-1"

11. **Drawing S-4.1** – Question: "Detail N/S-4.1 indicates that the continuously radius bent plate is 3/8"x4"x["A"-1] LDH. Graphically the detail deems to depict that the horizontal leg of the bent plate is longer than "A" with a slight overhang, not 1" shorter. Please clarify the intent of the radiused bent plate dimensions."

Answer: Revise note "CONT BENT PL 3/8x4x["A"-1"] L.D.H. W/ ³/₄"øx6 EMBED ADHESIVE ANCHORS @ 24" O.C." to read "ATTACH RADIUSED ASSEMBLY TO EX STRUCTURE W/ ³/₄"øx6" EMBED ADHESIVE ANCHORS @ 24" O.C."

Revise dimension "'A' - SEE PLAN" to read "8" – The radiused horizontal plate should overhang by $\frac{1}{2}$ " so a weld is achievable.

12. Drawing AD-6.2a – AD-6.2b, AD-6.5a – AD6.5b – Question: "Item 9 in the corrections / changes of addendum #1 deletes note 15 on the east wall of the penthouse floor. Does this also affect the louver on the north elevation at the top of the page at column line XA1? This louver is a tall louver that goes from the second floor to the penthouse, that has note 15 only shown at this location on the second and penthouse floors (not on the third or fourth floor reflective ceiling drawings). This louver is not shown to be removed on 3/AD-2.1 elevations."

Answer: Remove note 15 at louver located at column line XA1.

13. **Drawing A-5.1** – Question: "At elevations 10 & 17/A5.1, you show the countertop returning down at the finished ends, does this attach to a laminated support panel?"

Answer: Refer to detail 5/A-5.1 for section cutting through solid surface waterfall edge. See item 26 below for additional information.

14. **Drawing A-5.2** – Question: "Casework sections on A-5.2 call for both white thermo-fused melamine interiors & laminate for interiors of cabinets behind door fronts, spec 2.2 G1 calls for white thermo-fused, please clarify?"

Answer: See article 2.2.G "Materials for Semiexposed Surfaces" of specification 06 4116 for correct material application.

15. **Drawing A-5.8** – Question: "Reception desk sections 10 & 11/A5.8, looks like the 3 form panels go behind the perforated aluminum panels, is this correct?"

Answer: The 3form panels are located behind the perforated aluminum panel. Refer to Addendum 2 item 9 for additional information.

16. **Drawing A-8.1** – Question: "When looking at the door schedule on plan page A-8.1, there are multiple openings with the frame type not stated. It calls for hollow metal but then doesn't reference the type needed. Please provide clarification."

Answer: Hollow Metal Frames that do not reference a Frame Type contain comment 8 which references frame elevations on sheet A-8.2. Refer to item 30 below for additional information.

CORRECTIONS / CHANGES

- 17. Specification 05 5213 Pipe and Tube Railings Disregard Addendum 2 items 12, 13, 14, and 15 in regards to Stainless Steel and revert back to original content.
- 18. Specification 05 5813 Column Covers Delete item 1.2.A.2. "Interior round column covers factory primed for field applied painted finish."

Delete item 1.2.B.3. "Section 07 4223 "Metal Composite Material Panels" for wall panels."

Modify item 1.2.B.5 from "Section 09 2900 "Gypsum Board" for finishing spackled-seam interior column covers." to "Section 09 2900 "Gypsum Board" for finishing interior column covers.

Delete item 2.1 "SPACKLED-SEAM INTERIOR ROUND COLUMN COVERS" and subsequent items 2.1.A and 2.1.B.

Delete item 2.3.B.8. "Apply manufacturer's recommended sound0deadening materials to all column covers."

Delete item 2.4.B. "Sound-Deadening Materials:" and subsequent items 2.4.B.1 and 2.4.B.2

19. **Specification Section 06 4116 Plastic-Laminate-Clad Architectural Cabinets** – Modifiy item 2.2.K.1.d. from "Finish: Two-coat fluouropolymer or powder coated finish (both sides of perforated panels)." to read "Finish: Three-coat fluoropolymer (both sides of perforated panels)."

Modify item 2.2.K.1.e. from "Color: To be selected by Architect by Manufacturer's full range, including custom colors." to read "Color: To be selected by Architect from Manufacturer's full range of metalic color options, including custom metalic colors."

- 20. Specification Section 07 4223 Metal Composite Material Wall Panels Add article 2.9: PERFORATED ALUMINUM WALL PANEL SYSTEM
 - A. General: Provide factory-formed perforated wall panel and support system designed to be field assembled by mechanical attachment through perforations of panel returns. System is to include aluminum tube sub-framing, engineered and sized by wall panel manufacturer.
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Hendrick Architectural H-Clad HD panel system, or a comparable product by one of the following:
 - a. Accurate Perforations
 - b. Arktura, Inc.
 - c. CENTRIA
 - d. Dams Incorporated
 - B. Perforated aluminum wall panels: Formed with stamped or factory cut perforations and solid margins at panel edges, factory finished.
 - 1. Aluminum Sheet: Coil-coated sheet, ASTM B 209 (ASTM B 209M), alloy as standard with manufacturer, with temper as required to suit forming operations and structural performance required.
 - a. Thickness: 0.190"
 - b. Perforations: Round, 1.00" diameter holes on 1.25" staggered centers.
 - c. Open area: 58%
 - d. Perforation margins: 1.25" all 4 sides.
 - e. Forming: "J" bend all 4 sides.
 - f. Surface: Smooth, flat finish.
 - g. Finish: Three-coat fluoropolymer (both sides of perforated panels).

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- h. Color: To be selected by Architect from Manufacturer's full range of metalic color options, including custom metal colors.
- 2. Panel Coverage: 36 inches.
- 3. Panel Height: 120 inches.
- C. Structural Aluminum Sub Framing and Clip Attachment: Aluminum tube, factory finished.
 - 1. Aluminum tube: 6063-T6 aluminum, sized to meet structural performance as required.
 - a. Size: Minimum 4.75" x 6.00".
 - b. Finish: Three-coat fluoropolymer.
 - c. Color: To match that of aluminum sheet.
- 21. Specification 08 7100 Door Hardware Replace items 3.7, 3.8, and 3.9 as indicated on attachment.
- 22. **Drawings** All references to specification 07 4213 shall be revised to 07 4223 Metal Composite Material Wall Panels.
- 23. **Drawings** All keynotes "12 3661-01 SOLID SURFACE WALL PANEL (SS-1)" shall be revised to "12 3661-02 – SOLID SURFACE WALL PANEL OR COUNTERTOP (SS-1)"
- 24. **Drawing G-1.1** Include HORIZONTAL ASSEMBLY TYPE schedule referenced on attached detail 2/AD-A-3.1.
- 25. **Drawing A-1.1a** Relocate semi-recessed fire extinguisher in room 102A (Fire Pump) as shown in attached sheet AD-A-3.1.
- 26. **Drawing A-5.1** On details 5, 10, and 11/A-5.1; revise keynote "DIVISION 6 WOOD, PLASTICS, COMPOSITES" to "12 3661-02 SOLID SURFACE COUNTERTOP (SS-2)"
- 27. Drawing A-5.2 On details 1, 12-14, 16-18, revise keynote "12 3661-02 SOLID SURFACE COUNTERTOP (SS-2)" with "12 3661-01 SOLID SURFACE WALL PANEL OR COUNTERTOP (SS-1)"
- 28. Drawing A-5.11 See attached revised sheet A-5.11R1 for revisions.
- 29. Drawing A-6.1a Add notes referencing Horizontal Assembly Type and Specification 07 8100 to 1/A-6.1a shown on attached 1/AD-A-3.1.
- 30. Drawing A-8.1 Corrections to door schedule. Refer to attached revised sheet A-8.1R1.
- 31. **Drawing A-8.1** Addition of typical curtainwall door details 7/A-8.1 9/A-8.1. Refer to attached revised sheet A-8.1R1.
- 32. Drawing FP1.0 System schematic updated to show dry valve connection. Refer to attached sheet FP1.0R1.
- 33. Drawing FP3.1a Updated to show mounting location of dry system air compressor. Refer to attached sheet FP3.1aR1.
- 34. Drawing IC1.2 Replace the Laboratory Exhaust System Sequence of Operations complete with the following:
 - a. Laboratory Exhaust Fan Sequence of Operations
 - i. The laboratory exhaust system is comprised of two constant volume lab exhaust fans and associated VFDs, a pair of bypass dampers, a pair of isolation dampers and nine (9) variable volume venturi laboratory exhaust valves and respective controls.
 - ii. The fans shall be completely redundant and each have a motorized isolation damper.
 - iii. The bypass dampers shall modulate together to meet static pressure setpoint.
 - iv. The fans shall be constant volume and the VFDs will be used to set optimal fan speed.
 - v. Each fan shall be capable of being enabled/disabled by the BAS. Each isolation damper and both bypass dampers together shall be capable of being opened/closed by the BAS.
 - vi. When the primary fan is energized, the standby fan shall be de-enegerized and its isolation damper shall be fully closed.

- vii. If the primary fan shows disabled or fails, the standby fan's isolation damper shall fully open and the fan will energize once damper is proven fully open. The bypass dampers shall modulate to maintain 1.5" (adj) as read by the lowest of 3 duct static pressure sensors.
- viii. If any one of the three high suction static pressure sensors read -3.5" or lower, the bypass dampers shall modulate open until the duct static pressure setpoint is met and the BAS shall alarm: "High duct suction pressure"
- ix. The fans shall rotate primary to secondary postion every 7 days (adj.)
- 35. **Drawing IC2.0** Refer to tagged note MD56. Add the following: Relocate existing controls low voltage junction box from behind utility service piping to a more accessible location. Refer to P3.1a and M3.7 for utility pipe information.
- 36. **Drawing IC3.2a** Refer to tagged note E57, sheet E-4.2a and provide a new NRIO 16 module and control panel enclosure to existing BAS controller above future Shared Equipment Room 210A. Connect new switch BAS.
- 37. Drawing IC3.2b Refer to tagged note E57, sheet E-4.2a and connect switch to new MS/TP communication trunk BAS-CP-TU2. Extend end of trunk shown as VAV in Women 227 to Equipment 220 and connect switch to BAS. If Bid Alternate #1 is NOT accepted, switch in Equipment 220 shall be connected to new NRIO 16 module described in item d) above.
- 38. **Drawing M3.7** Refer to taggeed note A25 and revise existing louver size to 48" x 48". Refer to tagged note A26 and revise existing louver size to 32" x 96". Revise NEW louver size to 48" x 98"
- 39. Drawing M7.0 Registers, Grilles and Diffusers Schedule. Acceptable manufacturers are : Titus, Price Industries, Metalaire, Krueger
- 40. Drawing M7.0 VAV/CAV Box Schedule: Acceptable manufacturers are: Nailor, Price Industries, Johnson Controls
- 41. Drawing M7.0 Louver Schedule: Revise L-1 CFM to 18,000 and APD to 0.15" w.c.
- 42. Drawing E-5.1a Updated power layout with regard to relocated mechanical devices. Refer to attached sheet E-5.1aR1
- 43. Drawing E-7.1a Updated card reader locations. Refer to attached sheet E-7.1aR1.
- 44. Drawing E-7.1c Updated card reader locations. Refer to attached sheet E-7.1cR1.
- 45. Drawing E-7.2a Updated card reader locations. Refer to attached sheet E-7.2aR1.

END OF ADDENDUM NO. 3

Section 08 7100 Changes: February 20th, 2023

Replace 08 7100-3.7, 3.8 and 3.9 as follows:

3.7 DOOR HARDWARE SETS (on following page followed by door-to-set numbering index)

Hardware Set Prefix Key:

A For Doors with Automatic Door Operators

- **C** For Doors with Card Readers
- **E** For Doors with Electrified Panic/Exit Devices

K For Doors with Mechanical Key Override.

M For Doors with Security Monitoring of Request-to-Exit and/or Door Position.

No prefix indicates only mechanical hardware with no key cylinder and no electronics.

Hardware Set A01

	Mechanical Hardware				
(2)	Continuous Hinge	SL11HD	628	SEL	
(2)	Offset Pull, 1-1/4"D, 36"CTC	RM7220-36 x Type 6R Mtg	630	ROC	
(2)	Push Bar, 1-1/4" D, 31"CTC	RM7212-31 x Type 6R Mtg	630	ROC	
	Note: Locate push bars at same h	eight as panic devices in same vestibule.			
(1)	Closer, w/Spring Stop	4040XP SCUSH x 4040-30 x 4040-61	689	LCN	
	Note: Provide closer drop plate as required.				
(1)	Cat H Adhesive Mullion Mute	MS-SA/75	Black	DHS	
Note	1: Jamb and meeting edge seals b	y aluminum door and frame supplier.			
	Electrified Hardware				
(1)	Automatic Door Operator	Magic Force x RHRB	628	STA	
(2)	Operator Actuator, 36"	S-i36NAR-3-PCCLEAR		WIK	
	Note: Locate one on Lobby 100 v	vall and the other on the bollard post inside	Vestibule 1	00C which was	

specified in Hardware Set ACEKM01).

System Function

Free egress and ingress at all times. RHRB door leaf opens by actuators on either side of opening.

Hardware Set ACEKM01

	Mechanical Hardware			
(1)	SFIC Rim Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(2)	Offset Pull, 1-1/4"D, 36"CTC	RM7220-36 x Type 6R Mtg	630	ROC
(1)	Closer, w/Spring Stop	4040XP SCUSH x 4040-30 x 4040-61	689	LCN
	Note: Provide closer drop plate as	s required.		
(1)	Cat H Adhesive Mullion Mute	MS-SA/75	Black	DHS
Note	1: ADA threshold, jamb and door	bottom and meeting edge seals by aluminum	n door and f	frame supplier.
	Electrified Hardware			
(2)	Thru-wire Continuous Hinge	SL11HD x CTW8 x AP	628	SEL
(1)	Panic Device, CVC, 03	RX-QEL-3349NL-OP x RHRBA	626	VON
	Note 1: Panic device has request-t	o-exit monitoring of the touchbar and electric	c latch retra	iction.
(1)	Panic Device, CVC, 01	RX-QEL-3349EO	626	VON
	Note 1: Panic device has request-t	o-exit monitoring of the touchbar and electric	c latch retra	iction.
(1)	Automatic Door Operator	M-Force x RHRB	628	STA
(2)	Operator Actuator, 36"	S-i36NAR-3-PCCLEAR		WIK
	Note: Locate on exterior and vest	ibule bollard posts.		
(1)	Bollard Post		630	WIK
	Note: Provide in-ground mount 1	2x6 7ga Type 304 satin stainless steel bollard	l post with	welded flat top,
	factory prepped for 6"x6" single-g	gang card reader above Narrow Ingress'r actu	ator, locate	d exterior as located
	on plans. Bollard is similar but no	ot identical to Wikk Model RT7.	6 0	
(1)	Bollard Post		630	WIK
	Note: Provide in-ground mount 1	2x6 7ga Type 304 satin stainless steel bollard	l post with	welded flat top,
	factory prepped for (2) Narrow In	gress'r actuators on adjacent faces, located in	side Entry	Vestibule 100C as
$\langle \mathbf{a} \rangle$	located on plans, turned on 'the di	amond'. Bollard is similar but not identical f	to Wikk Mo	odel RT ² /.
(2)	Door Contact, Pop-in, DPD1	MSS100-4Y	White	FLK
(1)	Note: Locate on top jamb, 8" in f	rom meeting edge of each door leaf.		
(1)	Card Keader, single-gang (see sec	urity specifications)	1	• ``
(1)	Lot: Controllers, relays, low volta	ge power, cabling, terminations (see electrica	al specificat	ions).

System Function

Free egress at all times. Panic device latches are retracted or extended upon signal from access control system. Locked Condition:

Exterior actuator is disabled. Presenting valid card retracts latch on RHRBA panic device (also mechanical key override); during unlock period, exterior actuator is enabled to open RHRBA door. Actuator inside Vestibule is always enabled to retract latch (if need be) on RHRBA panic device and open door.

Unlocked Condition:

Both actuators are enabled to open RHRBA door.

Hardware Set ACEKM02

	Mechanical Hardware					
(1)	Continuous Hinge	SL24HD	628	SEL		
(1)	Semi-Auto Flush Bolt Set, HM	3820 x 3810	626	TRI		
(1)	Bar Coordinator w/FB	3094B1	Black	TRI		
(1)	SFIC Rim Cylinder Housing	7-pin	626	STA		
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626			
(1)	Closer, TJ Mnt, Push Side	4020 x Special Template ST-2303	689	LCN		
(2)	Kick Plate	KO050 8 x 1LDW x CS x B4E	630	TRI		
(1)	Cat H Adhesive Jamb Seal Set	2525B	Brown	NGP		
	Note: Apply to top jamb and to face of metal astragal.					
(1)	Cat H Jamb Seal Set	135NA	628	NGP		
	Note: Apply to side jambs only.					
Note	1: Overlapping welded steel astra	gal on push side of inactive leaf by door supp	plier.			
	Electrified Hardware					
(1)	Thru-wire Continuous Hinge	SL24HD x CTW8 x AP	628	SEL		
(1)	Fire Exit Device, Rim, Elect	RX-QEL-9975L-F x E996L-M-LAT-FS-24	VDC x 576	5A		
. /			626	VON		
	Note 1: Fire exit device has reque	st-to-exit monitoring of the touchbar, electric	latch retra	ction, and a 24VDC		
	fail-safe electric lever trim.	c .				
(1)	Automatic Door Operator	M-Force (push side mounted)	628	STA		
(2)	Operator Actuator, 36"	S-i36NAR-3-PCCLEAR		WIK		
(2)	Door Contact, Pop-in, DPDT	MSS100-4Y	White	FLR		
	Note: Locate on top jamb, 8" in f	rom meeting edge of each door leaf.				
(1)	Card Reader, single-gang (see sec	urity specifications)				
(1)	Lot: Controllers, relays, low volta	ge power, cabling, terminations (see electrica	al specifica	tions).		
	Curtan Errardan					

System Function

Free egress at all times. Exit device latch is retracted or extended upon signal from access control system. Locked Condition:

Exterior actuator is disabled. Presenting valid card retracts latch on LHRBA panic device (also mechanical key override); during unlock period, pull side actuator is enabled to open LHRBA door. Actuator on push side is always enabled to retract latch (if need be) on LHRBA panic device and open door.

Unlocked Condition:

Both actuators are enabled to open LHRBA door.

Upon Fire Alarm:

Automatic operator is disabled. Latch on exit device extends so that doors are latched. Fail-safe electric lever unlocks for free ingress.

Hardware Set AK01

	Mechanical Hardware				
(3)	Butt Hinges	5BB1HW 5 X 4.5	652	IVE	
(1)	Storeroom Lock	L9080-17A	626	SCH	
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA	
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626		
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI	
(1)	Wall Stop, Convex	1270CX	626	TRI	
	Electrified Hardware				
(1)	Electric Strike	4100	630	TRN	
(1)	Bathroom Logic Relay	CX-33		CAM	
(2)	LED Indicator Panel, single-gang	CM-AF500 "Occupied When Lit"	630	CAM	
	Note: Locate (1) LED Indicator F	Panel directly over the exterior operator actua	tor; locate (1) LED Indicator	
	Panel directly over the "Push to L	ock" interior operator actuator.			
(2)	Operator Actuator, 36"	S-i36NAR-3-PCCLEAR		WIK	
(1)	Lock/Unlock Actuator, 36"	S-i36NAR-3-PCCLEAR x "Push to Lock"		WIK	
(1)	Door Contact, Pop-in, DPDT	MSS100-4Y	Brown	FLR	
(1)	Automatic Door Operator	M-Force	628	STA	
(1)	Power Supply	BPS-12-1		SEC	
	Provided by Access Control Supplier:				

 Lot: Low voltage cabling and terminations for fully functional system (see electrical specifications) System Function:

Free egress at all times just by turning the inside lockset lever. The door is normally closed and unlocked (electric strike is released) against ingress and the interior and exterior LED Indicator Panels are unlit and cannot be read. Pressing the exterior 'Push to Open' actuator signals the automatic operator to open the door. Once inside and the door is closed, pressing the Lock/Unlock Actuator disables the electric strike to lock the door against ingress; the interior and exterior LED Indicator Panel light and read "Occupied When Lit". To exit, press the interior 'Push to Open' actuator to release the electric strike, signal the automatic operator to open the door, and then automatically reset the system; the interior and exterior LED Indicator Panels return to be unlit and the electric strike returns to the unlocked condition. If the door is opened manually to exit the restroom, the overhead door position switch resets the system. Emergency ingress for rescue by key override.

Hardware Set C01

	Mechanical Hardware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Storeroom Lock	L9080L-LATA	626	SCH
	Note: Do not prep door face for	key cylinder.		
(1)	Wall Stop, Convex	1270CX	626	TRI
	Electrified Hardware			
(1)	Electric Strike	4100	630	TRN
(1)	Card Paadar narrow jamb moun	t (see security specifications)		

(1) Card Reader, narrow jamb-mount (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress. Door is normally locked (not powered) but not monitored; ingress by card.

Hardware Set C01A

	Mechanical Hardware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Storeroom Lock	L9080L-LATA	626	SCH
	Note: Do not prep door face for	or key cylinder.		
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Universal Stop, 1-1/2"	7280	630	TRI
	Electrified Hardware			
(1)	Electric Strike	4100	630	TRN
(1)	Cand Daadan mamazzi iamih ma	···· (· · · · · · · · · · · · · · · ·		

(1) Card Reader, narrow jamb-mount (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress. Door is normally locked (not powered) but not monitored; ingress by card.

Hardware Set C01B

	Mechanical Haraware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Storeroom Lock	L9080L-LATA	626	SCH
	Note: Do not prep door face for	· key cylinder.		
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
	Electrified Hardware			
(1)	Electric Strike	4100	630	TRN
(1)	Card Reader, narrow jamb-mou	nt (see security specifications)		

(1) Card Reader, narrow jamo-mount (see security specifications)
(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications).

System Function

Free egress. Door is normally locked (not powered) but not monitored; ingress by card.

Hardware Set C01C Mechanical Hardw

	Mechanical Haraware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Storeroom Lock	L9080L-LATA	626	SCH
	Note: Do not prep door face for	key cylinder.		
(1)	Closer, HD Parallel Arm	4040XP EDA	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
	Electrified Hardware			
(1)	Electric Strike	4100	630	TRN
(1)	Cand Daadan mamary iamah may	··· (· · · · · · · · · · · · · · · · ·		

(1) Card Reader, narrow jamb-mount (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress. Door is normally locked (not powered) but not monitored; ingress by card.

Hardware Set CE01

Mechanical Hardware

(6)	Butt Hinges	5BB1HW 5 X 4.5	652	IVE
(2)	Offset Pull, 1-1/4"D, 24"CTC	RM7220-24 x Type 1XD Mtg	630	ROC
(2)	Closer, w/Spring Stop/HO	4040XP SHCUSH	689	LCN
(2)	Kick Plate	KO050 8 x 1LDW x CS x B4E	630	TRI
	Electrified Hardware			
(2)	Jamb-to-Door Power Transfer	EPT-10		VON
(2)	Panic Device, CVC, 01	RX-QEL-9950EO-WDC-LBL	626	VON
	Note 1: Panic devices have reques	st-to-exit monitoring of the touchbars and ele	ctric latch re	etraction.
(2)	Door Contact, Pop-in, DPDT	MSS100-4Y	Brown	FLR

(1) Card Reader, single-gang (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications).

System Function

Free egress at all times. Panic device latches are retracted or extended upon signal from access control system or by card if in locked condition.

Hardware Set CE02

	Mechanical Hardware			
(3)	Butt Hinges	5BB1HW 5 X 4.5	652	IVE
(1)	Offset Pull, 1-1/4"D, 24"CTC	RM7220-24 x Type 1XD Mtg	630	ROC
(1)	Closer, HD Parallel Arm	4040XP EDA	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop/Holder	1283-6S	626	TRI
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Panic Device, Rim, 01	RX-QEL-99EO	626	VON
	Note 1: Panic device has request-	to-exit monitoring of the touchbar and electric	e latch retra	ction.
(1)	Door Contact, Pop-in, DPDT	MSS100-4Y	Brown	FLR

(1) Card Reader, narrow jamb-mount (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress at all times. Panic device latch is retracted or extended upon signal from access control system or by card if in locked condition.

Hardware Set CEKM01

Mechanical Hardware (1) SFIC Rim Cylinder Housing 626 STA 7-pin (1) SFIC Permanent Cylinder Core 7-pin (by UK Keyshop) 626 (1) Closer, w/Spring Stop 4040XP SCUSH 689 LCN (1) Kick Plate KO050 8 x 2LDW x CS x B4E 630 TRI (1) Cat H Adhesive Jamb Seal Set Brown 2525B NGP Note: Apply to top jamb only. (1) Cat H Jamb Seal Set 172NA 628 NGP Note: Apply to side jambs only. (1) Panic Threshold 896HD-N 628 NGP Note 1: 3/8" door undercut required for proper mating of door bottom with seal integral to threshold. **Electrified Hardware** Thru-wire Continuous Hinge SI 24HD v CTW8 v AP 670 CEI (1)

(1)	Thru-whe Continuous Thige	SL24IID A CI WO A	AI		020	SEL
(1)	Panic Device, Rim, 03	RX-QEL-99NL x 69	7NL-R/V		626	VON
	Note 1: Panic device has request-	to-exit monitoring of t	he touchbar	and electric	latch retra	ction.
(1)	Door Contact, Pop-in, DPDT	MSS100-4Y			White	FLR
	NT (T (c		

- Note: Locate on top jamb, 8" in from meeting edge of each door leaf.
- (1) Card Reader, single-gang (see security specifications)
- (1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress. Door is normally locked (not powered) and is monitored for touchbar REX and door position; ingress by card.

Hardware Set CEKM01A

Mechanical Hardware

(1)	SFIC Rim Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Offset Pull, 1-1/4"D, 36"CTC	RM7220-36 x Type 1XD Mtg	630	ROC
(1)	Closer, HD Parallel Arm	4040XP EDA x 4040-61	689	LCN
	Note: Provide closer drop plate a	s required.		
(1)	Universal Stop, 2-1/4"	7281	630	TRI
Note	1: ADA threshold, jamb and door	bottom seals by aluminum door and frame s	upplier.	
	Electrified Hardware			
(1)	Thru-wire Continuous Hinge	SL11HD x CTW8 x AP	628	SEL
(1)	NS Panic Device, Rim, 03	RX-QEL-33A-NL-OP	626	VON
	Note 1: Panic device has request-	to-exit monitoring of the touchbar and electric	c latch retra	ction.
(1)	Door Contact, Pop-in, DPDT	MSS100-4Y	White	FLR

Note: Locate on top jamb, 8" in from meeting edge of each door leaf.

(1) Card Reader, narrow jamb-mount (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress. Door is normally locked (not powered) and is monitored for touchbar REX and door position; ingress by card.

Hardware Set CEKM01B

	Mechanicai Haraware			
(3)	Butt Hinges	5BB1HW 5 X 4.5	652	IVE
(1)	SFIC Rim Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, w/Stop	4040XP CUSH	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Panic Device, Rim, 03	RX-QEL-99L x 996L-NL-R/V-LAT	626	VON
	Note 1: Panic device has request-	to-exit monitoring of the touchbar and electric	ic latch retra	action.
(1)	Door Contact, Pop-in, DPDT	MSS100-4Y	White	FLR
	Note: Locate on top jamb, 8" in :	from meeting edge of each door leaf.		

(1) Card Reader, single-gang (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). System Function

Free egress. Door is normally locked (not powered) and is monitored for touchbar REX and door position; ingress by card.

Hardware Set CEKM01C

Mechanical Haraware				
Butt Hinges	5BB1HW 5 X 4.5	652	IVE	
SFIC Rim Cylinder Housing	7-pin	626	STA	
SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626		
Closer, HD Parallel Arm	4040XP EDA x 4040-61	689	LCN	
Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI	
Wall Stop, Convex	1270CX	626	TRI	
1: 180 degree door swing.				
Electrified Hardware				
Jamb-to-Door Power Transfer	EPT-10		VON	
Panic Device, Rim, 03	RX-QEL-99L x 996L-NL-R/V-LAT	626	VON	
Note 1: Panic device has request-to-exit monitoring of the touchbar and electric latch retraction.				
Door Contact, Pop-in, DPDT	MSS100-4Y	White	FLR	
Note: Locate on top jamb, 8" in f	rom meeting edge of each door leaf.			
	Mechanical Haraware Butt Hinges SFIC Rim Cylinder Housing SFIC Permanent Cylinder Core Closer, HD Parallel Arm Kick Plate Wall Stop, Convex 1: 180 degree door swing. Electrified Hardware Jamb-to-Door Power Transfer Panic Device, Rim, 03 Note 1: Panic device has request-t Door Contact, Pop-in, DPDT Note: Locate on top jamb, 8" in f	Mechanical HarawareButt Hinges5BB1HW 5 X 4.5SFIC Rim Cylinder Housing7-pinSFIC Permanent Cylinder Core7-pin (by UK Keyshop)Closer, HD Parallel Arm4040XP EDA x 4040-61Kick PlateKO050 8 x 2LDW x CS x B4EWall Stop, Convex1270CX1: 180 degree door swing.Electrified HardwareJamb-to-Door Power TransferEPT-10Panic Device, Rim, 03RX-QEL-99L x 996L-NL-R/V-LATNote 1: Panic device has request-to-exit monitoring of the touchbar and electricDoor Contact, Pop-in, DPDTMSS100-4YNote: Locate on top jamb, 8" in from meeting edge of each door leaf.	Mechanical HardwareButt Hinges5BB1HW 5 X 4.5652SFIC Rim Cylinder Housing7-pin626SFIC Permanent Cylinder Core7-pin (by UK Keyshop)626Closer, HD Parallel Arm4040XP EDA x 4040-61689Kick PlateKO050 8 x 2LDW x CS x B4E630Wall Stop, Convex1270CX6261: 180 degree door swing.Electrified HardwareJamb-to-Door Power TransferEPT-10Panic Device, Rim, 03RX-QEL-99L x 996L-NL-R/V-LAT626Note 1: Panic device has request-to-exit monitoring of the touchbar and electric latch retraDoor Contact, Pop-in, DPDTMSS100-4YWhiteNote: Locate on top jamb, 8" in from meeting edge of each door leaf.526117118	

(1) Card Reader, single-gang (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications).

System Function

Free egress. Door is normally locked (not powered) and is monitored for touchbar REX and door position; ingress by card.

Hardware Set CEKM01D

Mechanical Hardware (3) Butt Hinges 5BB1HW 5 X 4.5 652 (1) SFIC Rim Cylinder Housing 626 7-pin (1) SFIC Permanent Cylinder Core 7-pin (by UK Keyshop) 626 4040XP CUSH (1) Closer, w/Stop 689 (1) Kick Plate KO050 8 x 2LDW x CS x B4E 630 (1) Cat H Adhesive Jamb Seal Set 2525B Brown Note: Apply to top jamb only. (1) Cat H Jamb Seal Set 172NA 628 Note: Apply to side jambs only. Electrified Hardware (1) Jamb-to-Door Power Transfer EPT-10

 Fire Exit Device, Rim, 03 RX-QEL-99L-F x 996L-NL-R/V-LAT 626 VON Note 1: Panic device has request-to-exit monitoring of the touchbar and electric latch retraction.
Door Contact, Pop-in, DPDT MSS100-4Y White FLR

Note: Locate on top jamb, 8" in from meeting edge of each door leaf.

(1) Card Reader, single-gang (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress. Door is normally locked (not powered) and is monitored for touchbar REX and door position; ingress by card.

IVE

STA

LCN

TRI

NGP

NGP

VON

Hardware Set CEKM01E Mechanical Hardware

(3)	Butt Hinges	5BB1HW 5 X 4.5	652	IVE
(1)	SFIC Rim Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, Parallel Arm	4040XP Reg/PA	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
(1)	Cat H Adhesive Jamb Seal Set	2525B	Brown	NGP
	Note: Apply to top jamb only.			
(1)	Cat H Jamb Seal Set	172NA	628	NGP
	Note: Apply to side jambs only.			
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Fire Exit Device, Rim, 03	RX-QEL-99L-F x 996L-NL-R/V-LAT	626	VON
	Note 1: Panic device has request-	to-exit monitoring of the touchbar and electr	ic latch retr	action.
(1)	Door Contact, Pop-in, DPDT	MSS100-4Y	White	FLR
	Note: Locate on top jamb, 8" in f	rom meeting edge of each door leaf.		

(1) Card Reader, single-gang (see security specifications)

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress. Door is normally locked (not powered) and is monitored for touchbar REX and door position; ingress by card.

Hardware Set CEKM02

	Mechanical Hardware			
(1)	SFIC Rim Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(2)	Closer, w/Spring Stop/HO	4040XP SHCUSH	689	LCN
(2)	Armor Plate	KA050-2 36 x 2LDW x CS x B4E	630	TRI
(1)	Cat H Astragal Set	115NA	628	NGP
(1)	Cat H Adhesive Jamb Seal Set Note: Apply to top jamb only.	2525B	Brown	NGP
(1)	Cat H Jamb Seal Set Note: Apply to side jambs only.	135NA	628	NGP
(1)	Panic Threshold	896HD-N	628	NGP
Note	1: 3/8" door undercut required for	r proper mating of door bottom with seal integ	gral to thres	shold.
	Electrified Hardware			
(2)	Thru-wire Continuous Hinge	SL24HD x CTW8 x AP	628	SEL
(1)	Panic Device, CVC, 03	RX-QEL-9949NL x 697NL-R/V x RHRBA	626	VON
	Note 1: Panic device has request-t	o-exit monitoring of the touchbar and electric	latch retra	ction.
(1)	Panic Device, CVC, 01	RX-QEL-9949EO	626	VON
	Note 1: Panic device has request-t	o-exit monitoring of the touchbar and electric	: latch retra	ction.
(2)	Door Contact, Pop-in, DPDT	MSS100-4Y	White	FLR
	Note: Locate on top jamb, 8" in f	rom meeting edge of each door leaf.		
(1)	Card Reader, single-gang (see sec	urity specifications)		
(1)	Lot: Control electronics relays lo	w voltage nower cabling terminations (see a	electrical sn	ecifica

(1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications). *System Function*

Free egress. Door is normally locked (not powered) and is monitored for touchbar REX and door position; ingress by card or mechanical key override.

Hardware Set CEKM02A

	Mechanical Hardware			
(1)	SFIC Rim Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(2)	Closer, w/Spring Stop/HO	4040XP SHCUSH	689	LCN
(2)	Armor Plate	KA050-2 36 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Rain Drip	16A	628	NGP
(1)	Cat H Astragal Set	115NA	628	NGP
(1)	Cat H Adhesive Jamb Seal Set	2525B	Brown	NGP
	Note: Apply to top jamb only.			
(1)	Cat H Jamb Seal Set	135NA	628	NGP
	Note: Apply to side jambs only.			
(1)	Panic Threshold	896HD-N	628	NGP
Note	1: 3/8" door undercut required for	r proper mating of door bottom with seal inte	gral to thre	shold.
	Electrified Hardware			
(2)	Thru-wire Continuous Hinge	SL24HD x CTW8 x AP	628	SEL
(1)	Panic Device, CVC, 03	RX-QEL-9949NL x 697NL-R/V x RHRBA	626	VON
	Note 1: Panic device has request-	to-exit monitoring of the touchbar and electri	c latch retra	action.

Panic Device, CVC, 01 RX-QEL-9949EO
Note 1: Panic device has request-to-exit monitoring of the touchbar and electric latch retraction.
Door Contact, Pop-in, DPDT MSS100-4Y
White FLR

Note: Locate on top jamb, 8" in from meeting edge of each door leaf.

- (1) Card Reader, single-gang (see security specifications)
- (1) Lot: Control electronics, relays, low voltage power, cabling, terminations (see electrical specifications).

System Function

Free egress. Door is normally locked (not powered) and is monitored for touchbar REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01

	Mechanical Haraware			
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Armor Plate	KA050-2 36 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop/Holder	1283-68	626	TRI
	Electrified Hardware			
(1)	Thru-wire Continuous Hinge	SL24HD x CTW8 x AP	628	SEL
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
(1)	Card Reader, single-gang (see sec	curity specifications)		

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01A

Mechanical Hardware Butt Hinges 5BB1 4.5 X 4.5 652 IVE (3) SFIC Mortise Cylinder Housing (1) 7-pin 626 STA (1) SFIC Permanent Cylinder Core 7-pin (by UK Keyshop) 626 (1) Closer, Regular Arm 4040XP Reg 689 LCN (1) Kick Plate KO050 8 x 2LDW x CS x B4E 630 TRI (1) Universal Stop, 1-1/2" 7280 630 TRI (1) Cat H Jamb Seal Set 172NA NGP 628 Electrified Hardware (1) Jamb-to-Door Power Transfer EPT-10 VON (1) Electric Mortise Lock L9090EUL-LATA x DPS x RX 626 SCH (1) Card Reader, single-gang (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01B

(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Stop, HD, Concealed	100S x ADJ	630	GLY
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
(1)	Card Reader, single-gang (see sec	curity specifications)		

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01C

	Mechanical Haraware			
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Lock Guard, Mortise Lock	5000T	626	TRI
(1)	Closer, w/Spring Stop	4040XP SCUSH	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Rain Drip	16A	628	NGP
(1)	Cat H Adhesive Jamb Seal Set	2525B	Brown	NGP
	Note: Apply to top jamb only.			
(1)	Cat H Jamb Seal Set	172NA	628	NGP
	Note: Apply to side jambs only.			
(1)	Panic Threshold	896HD-N	628	NGP
Note	1. 3/8" door undercut required fo	r proper mating of door bottom with seal inte	aral to thre	shold

Note 1: 3/8" door undercut required for proper mating of door bottom with seal integral to threshold.

	Electrified Hardware			
(1)	Thru-wire Continuous Hinge	SL24HD x CTW8 x AP	628	SEL
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
(1)	Card Reader, single-gang (see s	ecurity specifications)		

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01D

Mochi	mical	Hard	lward
mecni	inicai	пuru	iwure

(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, w/Spring Stop	4040XP SCUSH	689	LCN
(1)	Kick Plate	KO050 16 x 2LDW x CS x B4E	630	TRI
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
(1)	Cand Daadan single song (see se	witz an abificationa)		

(1)Card Reader, single-gang (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01E

Mechanical Hardware

(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, w/Stop	4040XP CUSH	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
(1)	Card Reader, single-gang (see sec	curity specifications)		

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01F

Mechanical Hardware Butt Hinges 5BB1 4.5 X 4.5 652 IVE (3) (1) SFIC Mortise Cylinder Housing 7-pin 626 STA (1) SFIC Permanent Cylinder Core 7-pin (by UK Keyshop) 626 (1) Closer, w/Stop 4040XP CUSH 689 LCN (1) Kick Plate KO050 8 x 2LDW x CS x B4E 630 TRI (1) Cat H Adhesive Jamb Seal Set 2525B NGP Brown Note: Apply to top jamb only. (1) Cat H Jamb Seal Set 135NA 628 NGP Note: Apply to side jambs only. **Electrified Hardware** Jamb-to-Door Power Transfer **EPT-10** VON (1) (1) Electric Mortise Lock L9090EUL-LATA x DPS x RX 626 SCH

(1) Card Reader, single-gang (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01G

	Mechanicai Haraware			
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Stop, HD, Concealed	100S x ADJ	630	GLY
(1)	Cat H Jamb Seal Set	135NA	628	NGP
	Electrified Hardware			
(1)	Thru-wire Continuous Hinge	SL24HD x CTW8 x AP	628	SEL
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
(1)	Card Reader, single-gang (see sec	curity specifications)		

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM01H Mechanical Hardware

(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Stop, HD, Concealed	100S x ADJ	630	GLY
(1)	Cat H Jamb Seal Set	135NA	628	NGP
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
	Note: Do not prep door face for l	key cylinder.		

(1) Card Reader, single-gang (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card.

Hardware Set CKM01J

	Mechanical Haraware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, HD Parallel Arm	4040XP EDA	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
Note	1: 180 degree door swing.			
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10	,	VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
(1)	Card Reader, single-gang (see sec	curity specifications)		
	~			

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CKM02

	Mecnanical Haraware			
(6)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(2)	Manual Flush Bolt	3917-12	626	TRI
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, HD Parallel Arm	4040XP EDA	689	LCN
(2)	Wall Stop, Convex	1270CX	626	TRI
Note	1: 180 degree door swing.			
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
(1)	Card Reader, single-gang (see sec	curity specifications)		

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card or mechanical key override.

Hardware Set CM01

	Mechanical Hardware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Stop, HD, Concealed	100S x ADJ	630	GLY
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
	Note: Do not prep door face for	key cylinder.		

(1) Card Reader, single-gang (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card.

Hardware Set CM01A

	Mechanical Hardware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
	Note: Do not prep door face for	key cylinder.		
(1)	Card Reader, single-gang (see see	curity specifications)		

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card.

Hardware Set CM01B Mechanical Hardware

	mechanical Haraware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Stop, HD, Concealed	100S x ADJ	630	GLY
(1)	Cat H Jamb Seal Set	135NA	628	NGP
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
	Note: Do not prep door face for	key cylinder.		
(1)	Card Dandar single cong (see se	aurity (manifications)		

(1) Card Reader, single-gang (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card.

Hardware Set CM01C

	Mechanical Hardware			
(1)	Closer, w/Spring Stop	4040XP SCUSH	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Cat H Adhesive Jamb Seal Set Note: Apply to top jamb only.	2525B	Brown	NGP
(1)	Cat H Jamb Seal Set Note: Apply to side jambs only <i>Electrified Hardware</i>	135NA	628	NGP
(1)	Thru-wire Continuous Hinge	SL24HD x CTW8 x AP	628	SEL
(1)	Electric Mortise Lock Note: Do not prep door face for	L9090EUL-LATA x DPS x RX key cylinder.	626	SCH

(1) Card Reader, single-gang (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card.

Hardware Set CM01D

Mechanical Hardware			
Butt Hinges	5BB1 4.5 X 4.5	630	IVE
Closer, w/Spring Stop	4040XP SCUSH	689	LCN
Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
Electrified Hardware			
Jamb-to-Door Power Transfer	EPT-10		VON
Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
Note: Do not prep door face for l	xey cylinder.		
	Mechanical Hardware Butt Hinges Closer, w/Spring Stop Kick Plate Electrified Hardware Jamb-to-Door Power Transfer Electric Mortise Lock Note: Do not prep door face for I	Mechanical HardwareButt Hinges5BB1 4.5 X 4.5Closer, w/Spring Stop4040XP SCUSHKick PlateKO050 8 x 2LDW x CS x B4EElectrified HardwareJamb-to-Door Power TransferJamb-to-Door Power TransferEPT-10Electric Mortise LockL9090EUL-LATA x DPS x RXNote: Do not prep door face for key cylinder.	Mechanical HardwareButt Hinges5BB1 4.5 X 4.5630Closer, w/Spring Stop4040XP SCUSH689Kick PlateKO050 8 x 2LDW x CS x B4E630Electrified HardwareJamb-to-Door Power TransferEPT-10Electric Mortise LockL9090EUL-LATA x DPS x RX626Note: Do not prep door face for key cylinder.500

(1) Card Reader, narrow jamb-mount (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card.

Hardware Set CM01E

	mechanicai maraware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	630	IVE
(1)	Closer, HD Parallel Arm	4040XP EDA	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON
(1)	Electric Mortise Lock	L9090EUL-LATA x DPS x RX	626	SCH
	Note: Do not prep door face for	key cylinder.		

(1) Card Reader, narrow jamb-mount (see security specifications)

System Function

System Function: Free egress. Door is normally locked (not powered) and is monitored for inside lever REX and door position; ingress by card.

Hardware Set EM01 Machanical Hardwara

	Mechanical Maraware			
(1)	Closer, w/Spring Stop	4040XP SCUSH	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Cat H Adhesive Jamb Seal Set	2525B	Brown	NGP
	Note: Apply to top jamb only.			
(1)	Cat H Jamb Seal Set	172NA	628	NGP
	Note: Apply to side jambs only.			
(1)	Panic Threshold	896HD-N	628	NGP
Note	1: 3/8" door undercut required for	r proper mating of door bottom with seal inte	gral to three	shold.
	Electrified Hardware			
(1)	Thru-wire Continuous Hinge	SL24HD x CTW8 x AP	628	SEL
(1)	Fire Exit Device, Rim, 01	RX-99EO-F	626	VON
	Note 1: Panic device has request-t	o-exit monitoring of the touchbar.		
(1)	Door Contact, Pop-in, DPDT	MSS100-4Y	White	FLR
	Note: Locate on top jamb, 8" in f	rom meeting edge of each door leaf.		

(1) Lot: Monitoring electronics, relays, low voltage power, cabling, terminations (see electrical specifications).
System Function

Free egress. No ingress. Door is monitored for touchbar REX and door position.

Hardware Set KM01

	Mechanical Hardware			
(6)	Butt Hinges	5BB1 4.5 X 4.5	630	IVE
(2)	Manual Flush Bolt	3917-12 (top)	626	TRI
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(2)	Closer, w/Spring Stop	4040XP SCUSH	689	LCN
(2)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Rain Drip	16A	628	NGP
(1)	Cat H Adhesive Jamb Seal Set	2525B	Brown	NGP
	Note: Apply to top jamb only.			
(1)	Cat H Jamb Seal Set	135NA	628	NGP
	Note: Apply to side jambs only.			
(1)	Panic Threshold	896N	628	NGP
Note	e 1: 3/8" door undercut required fo	r proper mating of door bottom with seal inte	gral to thre	eshold.
Note	e 2: Overlapping welded steel astra	agal on push side of inactive leaf by door sup	plier.	
	Electrified Hardware			
(1)	Jamb-to-Door Power Transfer	EPT-10		VON

(1) Electric Mortise Lock L9090EUL-LATA x DPS x RX (RHRBA) 626 SCH

(1) Lot: Monitoring electronics, low voltage power, cabling, terminations (see electrical specifications).

System Function

System Function: Free egress. Door is always locked (not powered) and is monitored for inside lever REX and door position. Power wires to lock are not hooked up. Ingress by key.

Hardware Set M01

	Mechanical Hardware			
(3)	Butt Hinges	5BB1 4.5 X 4.5	630	IVE
(1)	Passage Set	L9010-LATA	626	SCH
(1)	Closer, w/Stop	4040XP CUSH	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Rain Drip	16A	628	NGP
(1)	Cat H Adhesive Jamb Seal Set	2525B	Brown	NGP
	Note: Apply to top jamb only.			
(1)	Cat H Jamb Seal Set	135NA	628	NGP
	Note: Apply to side jambs only.			
(1)	Panic Threshold	896N	628	NGP
Note	1. 3/8" door undercut required fo	r proper mating of door bottom with seal in	ntegral to the	eshold

Note 1: 3/8" door undercut required for proper mating of door bottom with seal integral to threshold.

Electrified Hardware

(1)	Door Contact, Pop-in, DPDT	MSS100-4Y	White	FLR
	Note: Locate on top jamb, 8" in	from meeting edge of each door leaf.		

(1) Lot: Monitoring electronics, low voltage power, cabling, terminations (see electrical specifications).

System Function

System Function: Free egress and ingress. Door is monitored for door position.

Hardware Set 01

(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Passage Set	L9010-LATA	626	SCH
(1)	Wall Stop, Convex	1270CX	626	TRI

Ha	<u>rdware Set 01A</u>			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Passage Set	L9010-LATA	626	SCH
(1)	Overhead Stop, HD, Surface	900S	630	GLY
Ha	rdware Set 01B			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Passage Set	L9010-LATA	626	SCH
(1)	Overhead Stop, HD, Concealed	100S x ADJ	630	GLY
Ha	rdware Set 01C			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Passage Set	L9010-LATA	626	SCH
(1)	Closer, w/Spring Stop	4040XP SCUSH	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Cat H Adhesive Jamb Seal Set Note: Apply to top jamb only.	2525B	Brown	NGP
(1)	Cat H Jamb Seal Set Note: Apply to side jambs only.	135NA	628	NGP
Ha	rdware Set 01D			
(6)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Manual Flush Bolt	3917-24 (top)	626	TRI
(1)	Passage Set	L9010-LATA	626	SCH
(1)	Overhead Stop, HD, Concealed	100S x ADJ	630	GLY
(1)	Wall Stop, Convex	1270CX	626	TRI
(1)	Adjustable Jamb Seal Set	870AA	628	ZER
(2)	Auto Door Bottom, Mortised	369A x Z49	628	ZER
(1) Note	Overlapping Astragal e 1: Coordinate door undercut with	383AA n flooring and automatic door bottoms.	628	ZEK
Ня	rdware Set 01E			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Passage Set		626	SCH
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	K0050 8 x 2LDW x CS x B4E	630	TRI
(1)	Overhead Stop, HD, Concealed	100S x ADJ	630	GLY
(1)	Cat H Jamb Seal Set	172NA	628	NGP
Ha	rdware Set 02			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Privacy Set w/Indicator	L9040L-LATA x L283-722	626	SCH
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 1LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
Ha	rdware Set 03			
(6)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(2)	Roller Latch	1554 (mount top jamb)	626	TRI
(2)	Flush Pull, Closet	7060	626	TRI
(2)	Overhead Stop, HD, Surface	900S	630	GLY

Hardware Set 04

(3)	Butt Hinges	5BB1HW 5 X 4.5	652	IVE
(1)	Fire Exit Device, Mortise, 14	9975L-F x 996L-BE-M-LAT	626	VON
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
(1)	Cat H Jamb Seal Set	172NA	628	NGP
Hai	rdware Set 05			
(3)	Butt Hinges	5BB1 4.5 X 4.5	630	IVE
(1)	Push Plate	1809-4 x RC	630	TRI
(1)	Pull Plate	1014-3B x RC	630	TRI
(1)	Closer, Regular Arm	4040XP Reg	689	LCN
(1)	Kick Plate	KO050 8 x 2LDW x CS x B4E	630	TRI
(1)	Mop Plate	KM050 4 x 1LDW x CS x B4E	630	TRI
(1)	Wall Stop, Convex	1270CX	626	TRI
Hai	rdware Set 06			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Privacy Set w/Indicator	L9040-LATA x L283-714 x L283-722	626	SCH
(1)	Wall Stop, Convex	1270CX	626	TRI
На	rdware Set 07			
(3)	Butt Hinges	5BB1 4.5 X 4.5	652	IVE
(1)	Storeroom Lock	L9080-LATA	626	SCH
(1)	SFIC Mortise Cylinder Housing	7-pin	626	STA
(1)	SFIC Permanent Cylinder Core	7-pin (by UK Keyshop)	626	
(1)	Closer, w/Stop	4040XP CUSH	689	LCN
(1)	Cat H Adhesive Jamb Seal Set	2525B	Brown	NGP
	Note: Apply to top jamb only.			
(1)	Cat H Jamb Seal Set	135NA	628	NGP
	Note: Apply to side jambs only.			
(1)	Panic Threshold	896N	628	NGP
Note	e 1: 3/8" door undercut required fo	r proper mating of door bottom with seal in	tegral to thr	eshold.

Numbering indices on following pages.

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LEVEL 01		
100A.1	ACEKM01	
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101	CM01	
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102A	CEKM01E	
102A1	CEKM01	
102A.1	CKM01C	
102B	CEKM01D	
103.1	CE01	
103.2	CE02	
103A.1	C01B	
103A.2	01B	
103B	03	
104	AK01	
105	CKM01D	
105A	CKM01F	
106	AK01	
107	CKM01E	
108	CKM01	
108.2	CEKM02	
108A	CEKM01B	
109	CM01	
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114	C01B	
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210	CM01B	
210A	01	
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213A	01D	
214	CKM01G	
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500A	KM01	
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RF501	KM01	
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ST B-5	CKM01F	

3.9 DOOR ELECTRONICS RISER DIAGRAMS

Door	HW Set	Riser	211.1	CM01C
100A.1	ACEKM01	R02	212	CKM01H
100A.2	A01	R01	213.1	CM01C
100B.1	CEKM01A	R10	214	CKM01G
100C	CEKM02A	R09	215	C01A
101	CM01	R14A	217	C01C
102	CEKM01C	R08	217A	C01
102A	CEKM01E	R08	217B	C01
102A.1	CKM01C	R11	217C	C01
102A1	CEKM01	R08	239	CM01A
102B	CEKM01D	R08	300A	ACEKM02
103.1	CE01	R06	301	CM01E
103.2	CE02	R07	301A	C01
103A.1	C01B	R05B	301B	C01
104	AK01	R04	302	CKM01E
105	CKM01D	R12C	302A	CKM02
105A	CKM01F	R12C	307	CM01D
106	AK01	R04A	307A	C01
107	CKM01E	R12A	307B	C01
108	CKM01	R11	308	CKM01D
108.2	CEKM02	R09	310	CM01B
108A	CEKM01B	R08	310A	CM01B
109	CM01	R12B	311	CM01E
111	C01C	R05	311A	C01
111A	C01	R05A	311B	C01
111B	C01	R05B	312	CM01E
111C	C01	R05A	313	CM01D
111D	C01	R05A	313A	C01
111E.1	C01B	R05B	313B	C01
114	C01B	R05B	313C	C01
121	CKM01A	R14	313D	C01
137	CKM01J	R12D	313F	C01
201.1	CM01C	R12E	315	C01B
202	CKM01E	R12C	339	CM01A
202A	CKM02	R17	439	CM01A
207.1	CM01C	R12E	500A	KM01
208A	CKM01D	R12A	RF401	M01
210	CM01B	R14D	RF501	KM01

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ST A-5	CKM01F	R12C
ST B-1	EM01	R13A
ST B-5	CKM01F	R12C
ST C-1.2	EM01	R13

R12E

R12B

R12E

R12

R05B

R05

R05A

R05B

R05B

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General Notes:

- 1. Detail drawings are "Typical". Verify actual handing and device locations in the field. Coordinate exact mounting heights and locations with architectural elevations, new work, and all trades. Coordinate all work with door hardware, door frames, door structures, and owners' security representative. Field-verify all dimensions.
- 2. Electrical contractor to supply one junction box per opening as indicated on Riser Diagrams, with keyed cylinder and keys and one terminal strip block with 20 slots for terminations. Basis of Design or approved equal:
 - A. 12" x 12" x 4" Keyed Junction Box Arlington Model EB1212-1 x EBL1-1.
 - B. Terminal Strip Block Fielect TD-2020.
- 3. Electrical Contractor to provide code-compliant wire pathway (in conduit if required) from nearest Security Systems Distribution Panel to access controlled doors. Provide network drops and fire alarm connections in quantity required at SSDP location to support access controllers and the release of fail-safe locking devices if required. Provide plenum wire as/if required.
- 4. Electrical contractor to provide conduit from door junction boxes located in readily accessible concealed spaces to door devices per these riser diagrams. Connect conduits into door frame electrical preps as frame is installed. Where door frame is to be grouted, seal raceways and jamb preps to prevent grout from entering. Conduit runs may be combined, provided maximum fill is not exceeded.
- 5. Where door devices are wall-mounted, provide flush, gang deep back-boxes. Where door devices are frame mounted, connect to frame electrical preps.
- 6. Verify doors and frames have been prepped per specifications prior to their installation.
- 7. Cable types listed are for reference only and represent minimum requirements.
- 8. The contractor shall verify all dimensions and site conditions, new and existing, prior to the submission of a bid. Submission of a bid indicates that the contractor is fully aware of all conditions and will perform the installation indicated on the drawings as described in the specifications without request for additional charges.

Cable Legend:

- A 2-cond. #16 stranded*
- B 4-cond. #18 stranded*
- C 6-cond. #22 stranded and shielded*
- D 3-cond. #22 stranded*
- *- use plenum cable as required by code.

Late Changes to Risers that do not show up in the Risers:

- 1. Delete Door 108A from Riser R12; add it to Riser R08.
- 2. Delete Door 102 from Riser R12B; add it to Riser R08. Door is opposite hand shown: RHRB.
- 3. Add Door 102A assigned to Hardware Set CEKM01E; add it to Riser R08. Door is opposite hand shown: RHRB.
- 4. Add Door 102B assigned to Hardware Set CEKM01D; add it to Riser R08. Door is opposite hand shown: RHRB.

Riser No. R01 Door No. 100A.2, HW Set A01



Pull Side Elevation

Cable Legend

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R02 Door No. 100A.1, HW Set ACEKM01



Pull Side Elevation

Cable Legend

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



* - Use plenum cable as required by code.

Riser No. R04 Door No. 104, HW Set AK01



Cable Legend

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R04A Door No. 106, HW Set AK01



Pull Side Elevation

Cable Legend

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R05 Door No. 111, HW Set C01C Door No. 217, HW Set C01C



Cable Legend

Pull Side Elevation

A 2-Cond. #16 Stranded* B 4-Cond. #18 Stranded*

- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.
Riser No. R05A Door No. 111A, HW Set C01 Door No. 111C, HW Set C01 Door No. 111D, HW Set C01 Door No. 217A, HW Set C01 Door No. 301B, HW Set C01 Door No. 307B, HW Set C01 Door No. 313D, HW Set C01 Door No. 315, HW Set C01B



Cable Legend A 2-Cond. #16 Stranded*

Push Side Elevation

B 4-Cond. #18 Stranded*

- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



Push Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



Cable Legend

Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R09 Door No. 100C, HW Set CEKM02A Door NO. 108.2, HW Set CEKM02A



Cable Legend

Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R11 Door No. 102A.1, HW Set CKM01C Door No. 108, HW Set CKM01



- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R12 Door No. 108A, HW Set CKM01A Door No. 214, HW Set CKM01G Door No. 310A, HW Set CM01B



Cable Legend

Push Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R12A Door No. 107, HW Set CKM01E Door No. 208A, HW Set CKM01D Door No. 308, HW Set CKM01D



Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R12B Door No. 102, HW Set CKM01B Door No. 109, HW Set CM01 Door No. 212, HW Set CKM01H Door No. 239, HW Set CM01A Door No. 339, HW Set CM01A Door No. 439, HW Set CM01A



Push Side Elevation

Cable Legend

A 2-Cond. #16 Stranded*

B 4-Cond. #18 Stranded*

C 6-Cond. #22 Stranded and Shielded*

D 3-Cond. #22 Stranded*

* - Use plenum cable as required by code.



- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R12D Door No. 137, HW Set CKM01J



Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R12E Door No. 201.1, HW Set CM01C Door No. 207.1, HW Set CM01C Door No. 211.1, HW Set CM01C Door No. 213.1, HW Set CM01C



Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R13 Door No. ST A-1.2, HW Set EM01 Door No. ST C-1.2, HW Set EM01



Cable Legend

Pull Side Elevation

A 2-Cond. #16 Stranded*

B 4-Cond. #18 Stranded*

C 6-Cond. #22 Stranded and Shielded*

D 3-Cond. #22 Stranded*

* - Use plenum cable as required by code.

Riser No. R13A Door No. ST B-1, HW Set EM01



Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



Cable Legend

Push Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R14B Door No. 311, HW Set CM01E Door No. 313, HW Set CM01D



- A 2-Cond. #16 Stranded* B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R14C Door No. 301, HW Set CM01E Door No. 307, HW Set CM01D Door No. 312, HW Set CM01E



Cable Legend

Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R14D Door No. 210, HW Set CM01B Door No. 310, HW Set CM01B



- Push Side Elevation
- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R15 Door No. 500A, HW Set KM01 Door No. RF501, HW Set KM01



Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.



Pull Side Elevation

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

Riser No. R17 Door No. 202A, HW Set CKM02 Door No. 302A, HW Set CKM02



Cable Legend

- A 2-Cond. #16 Stranded*
- B 4-Cond. #18 Stranded*
- C 6-Cond. #22 Stranded and Shielded*
- D 3-Cond. #22 Stranded*
- * Use plenum cable as required by code.

END OF DOCUMENT







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PROJECT NUMBER

OMNI: 2133

UK: 2571.0

RAILING DETAILS

A-5.11R1

02/21/2023

01/09/2023

100% CONSTRUCTION DOCUMENTS

DATE

REVISIONS

1 ADD 3

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MARK	ROOM NAME	TYPE	WIDTH	DOOR SINGLE/PAIR	HEIGHT	MAT.	TYPE	FRAME DEPTH	MAT.	SIDELITE	JAMB	DETAIL HEAD	SILL	HDW SET	FIRE RATING	COMMENTS
EVEL 01 00A.1 EN	ITRY VESTIBULE	5	3' - 0"	PR	7' - 0"	AL		0' - 4 1/2"	AL					ACEKM01		
0A.2 EN 0B.1 CO	ITRY VESTIBULE	5 5	3' - 0" 3' - 0"	PR S	7' - 0" 7' - 0"	HM AL	-	0' - 5 7/8" 0' - 4 1/2"	HM AL					A01 CEKM01A		8 4
00C MI 01 DE	ECHANICAL EPARTMENTAL STORAGE	1	3' - 0" 3' - 0"	PR S	7' - 0" 7' - 0"	HM WD	F2 F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CEKM02A CM01		2, 3, 4
)2 MI)2A FI	ECHANICAL RE PUMP	1	3' - 0" 2' - 6"	S S	7' - 0" 7' - 0"	WD HM	F1 F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CEKM01C CEKM01E	90	
2A1 EL 2A.1 GE	ECTRICAL ENERATOR	1	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	HM HM	F2 F2	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CEKM01 CKM01C		10, 13 10, 13
)2B GE	ENERATOR RGE MEETING ROOM	1 4	3' - 0" 3' - 0"	S PR	7' - 0" 7' - 0"	HM	F1	0' - 5 7/8" 0' - 5 7/8"	HM				-	CEKM01D CE01	90	8
)3.2 LA		4	3' - 0" 3' - 0"	S	7' - 0" 7' - 0"	WD	- F1	0' - 5 7/8"	HM					CE02		8
03A.1 KI 03A.2 KI		1	3' - 0"	S S	7' - 0" 7' - 0"	WD	F1 F1	0' - 5 7/8"	HM				-	01B		
03B FC	OMEN'S RESTROOM	1	3' - 0" 3' - 0"	S	7' - 0" 7' - 0"	WD	F1 F1	0' - 5 7/8"	HM				-	03 AK01		11
)5 JA)5A EL	INITOR EV. MACHINE RM.	1	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F1 F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CKM01D CKM01F	90	13 13
06 MI 07 TE	EN'S RESTROOM	1	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F1 F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	AK01 CKM01E		11 13
08 RE 08.2 RE	ECEIVING ECEIVING	1	4' - 0" 3' - 0"	S PR	7' - 0" 7' - 0"	WD HM	F1 F2	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CKM01 CEKM02		10, 13
)8A EL)9 FII	ECTRICAL _ES	1 1	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	HM WD	F1 F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CEKM01B CM01		
10 M0	OTHER'S ROOM	1 4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F1 F3	0' - 5 7/8" 0' - 5 7/8"	HM	2' - 2"			-	02 C01C		
1A DI		4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD	-	0' - 5 7/8"	HM					C01		8
	FICE	4	3' - 0"	S S	7' - 0"	WD	-	0' - 5 7/8"	HM	01 01				C01		8
1E.1 W	ORK ROOM	2	3 - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD	F3 F1	0' - 5 7/8"	HM	2 - 2			- -	C01B		
11E.2 W		2 4	3' - 0" 3' - 0"	Տ Տ	/ - 0" 7' - 0"	WD	F1 -	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	01 C01B		8
1 CC	DELECTIONS DRRIDOR	1	3' - 0" 3' - 0"	ร ร	/' - 0" 7' - 0"	WD	F1 F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CKM01A CKM01J	90	13 4
H 9-3 EL	EVATOR	2	3' - 0"	S	7' - 0"	EXISTING WD	F1	0' - 6 1/2"	EXISTING HM				-	- 04	90	6, 7 13
ГА-1.2 ST ГВ-1 ST	AIR A AIR B	1 2	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	HM WD	F2 F1	1' - 0 1/4" 0' - 6 1/2"	HM HM				-	EM01 EM01	45 90	10, 13 4, 13
T C-1.1 ST	AIR C AIR C	2	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD HM	F1 F2	0' - 11 1/4" 0' - 8 3/4"	HM HM				-	04 EM01	90 45	13 10, 13
)1.1 Bl	OMARKER RESEARCH LAB	2	4' - 0" 3' - 0"	S	7' - 0" 7' - 0"	HM	F1	0' - 8 1/4"	НМ	1' - 2"			-	CM01C	45	15
)2 ID		1	3' - 0"	S S	7' - 0" 7' - 0"	WD	F1	0' - 5 7/8"	HM	1 - 2			-	CKM01E	40	
DZA BA		1	3' - 0"	U-PR	7' - 0"		F1	0' - 5 7/8"	HM				-	CKM02		TOTAL)
04 VV 06 MI	EN'S RESTROOM	1	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD	F1 F1	0' - 5 7/8"	HM				-	05		
7.1 NE 7.2 NE	EUROPATHOLOGY RESEARCH LAB	2 2	4' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	HM WD	F1 F4	0' - 8 1/4" 0' - 8 1/4"	HM HM	1' - 2"			-	CM01C 01C	45 45	15
8A JA 0 SH	NITOR IARED EQUIPMENT	1	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	HM WD	F1 F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CKM01D CM01B	45	8
10A SH 11.1 RE	HARED EQUIPMENT ESEARCH LAB	1 2	3' - 0" 4' - 0"	S S	7' - 0" 7' - 0"	WD HM	F1 F1	0' - 8 1/4" 0' - 8 1/4"	HM HM				-	01 CM01C	45	
11.2 RE	ESEARCH LAB	2	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD HM	F4 F1	0' - 8 1/4" 0' - 5 7/8"	HM	1' - 2"			-	01C CKM01H	45 45	15
13.1 RE	ESEARCH LAB	2	4' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	HM	F1	0' - 8 1/4"	HM	1' - 2"			-	CM01C	45	15
13A TI	SSUE CULTURE LAB	1	3' - 0"	U-PR	7' - 0"	WD	F1	0' - 8 1/4"	HM	1 - 2			-	01D		3'-0" DOOR PLUS 1'-6" LEAF (4'- TOTAL)
14 FF		1	4' - 0"	S	7' - 0"	HM	F1	0' - 5 7/8"	HM				-	CKM01G	45	13
17 C(DRRIDOR	4	3' - 0"	S S	7' - 0" 7' - 0"	WD	- F3	0' - 5 7/8"	HM	1' - 4"			-	C01C		0
17A OF 17B OF	FICE	4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD	-	0' - 5 7/8"	HM					C01 C01		8
17C OF 17D SF	FICE HARED WORKSTATIONS	4 4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F3 F3	0' - 8 1/4" 0' - 5 7/8"	HM HM	1' - 6" 2' - 2"			-	C01 01		15
17D1 SM 39 BF	ALL MEETING ROOM	4 4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	- F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	01A CM01A		8, 15 4
H 9-2 SH H 9-4 EL	IAFT EVATOR	1	2' - 8"	S	7' - 0"	HM EXISTING	F1	0' - 4 3/4"	HM EXISTING				-	07	90	5
T A-2 ST T C-2 ST	AIR A AIR C	2	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F2 F2	0' - 7 1/4" 0' - 7 1/4"	HM HM				-	04 04	90 90	13 13
=VEL 03														1]	
	DRRIDOR	1	3' - 0"	U-PR	7' - 0"	HM	F1	0' - 8 1/4"	HM				-	ACEKM02	90	3'-0" DOOR PLUS 1'-0" LEAF (4'-(TOTAL)
01 NE		4	3' - 0" 3' - 0"	S	7' - 0" 7' - 0"	WD	-	0' - 5 7/8"	HM					CM01E		8
01B OF	FICE	4	3' - 0"	S S	7' - 0"	WD	-	0' - 5 7/8"	HM					C01		8
)2 ID)2A BA	AS CLOSET	1	3' - 0"	U-PR	7' - 0" 7' - 0"	HM	F1	0' - 5 7/8"	HM				-	CKM01E CKM02		3'-0" DOOR PLUS 1'-6" LEAF (4'-6
04 W	OMEN'S RESTROOM	1	3' - 0"	S	7' - 0"	WD	F1	0' - 5 7/8"	HM				-	05		
ло MI 07 СС	DRRIDOR	4	3 - 0" 3' - 0"	S	7 - 0" 7' - 0"	WD	F1 -	0 - 5 7/8" 0' - 5 7/8"	HM				-	CM01D		8
07A OF 07B OF	FICE	4	3' - 0" 3' - 0"	S S	/' - 0" 7' - 0"	WD WD	F3 -	0' - 8 1/4" 0' - 5 7/8"	HM HM	0' - 10"			-	C01 C01		15 8
AL 8 0 OF	NITOR R CORE/MARKETING OFFICE SUITE	1 4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	HM WD	F1 -	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CKM01D CM01B		8
0A FI	LES / STORAGE ATA SOLUTIONS RESEARCH LAB	1 4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F1	0' - 5 7/8" 0' - 5 7/8"	HM HM				-	CM01B CM01E		8
11A DA	ATA SOLUTIONS RESEARCH LAB	4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F3 -	0' - 8 1/4" 0' - 5 7/8"	HM HM	0' - 10"			-	C01 C01		15 8
2 DS 2A FY	SA/NEUROPSYCH RESEARCH LAB	1	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F3 F1	0' - 8 1/4" 0' - 5 7/8"	HM	1' - 11"			-	CM01E 06		14
2B CC		1	3' - 0" 3' - 0"	S	7' - 0" 7' - 0"	WD	F3	0' - 8 1/4"	HM	2' - 10" 2' - 10"			-	06		14
3 BI	OSTATISTICS RESEARCH LAB	4	3' - 0"	S S	7' - 0" 7' - 0"	WD	- -	0' - 5 7/8" 0' - 8 4/4"	HM					CM01D		8
3B OF	FICE	4	3' - 0"	S S	7' - 0"	WD WD	-	0' - 5 7/8"	HM	2 - 2			-	C01		8
3C OF 3D OF	FICE	4	3' - 0" 3' - 0"	ຮ S	/' - 0" 7' - 0"	WD	-	0' - 5 7/8" 0' - 5 7/8"	HM HM					C01 C01		8
3F OF 5 BF	FICE REAK ROOM	4	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	-	0' - 5 7/8" 0' - 5 7/8"	HM HM					C01 C01B		8 8 15
9 BF 19-5 EL	REAK ROOM EVATOR	4	3' - 0"	S	7' - 0"	WD EXISTING	F1	0' - 5 7/8"	HM EXISTING				-	CM01A -		5
A-3 ST	AIR A	2	3' - 0" 3' - 0"	S S	7' - 0" 7' - 0"	WD WD	F2 F2	0' - 7 1/4" 0' - 7 1/4"	HM				-	04 04	90 90	13
	M	-						J 1/7								
-401 R) , DOF	1	2' - 10"	S	7' - 0"	НМ	F2	0' - 5 7/8"	HM				-	M01		1, 10, 13
VEL 04			01 07			14/5		01 5 5 1		1				0.00		
9 BF	KEAK KOOM	4	3' - 0"	5	/' - 0"	WD	F1	U' - 5 7/8"	HM				-	CM01A		4
VEL 05 0A MI	ECHANICAL	1	3' - 0"	PR	7' - 0"	HM	F5	0' - 7 5/8"	HM				-	KM01		10, 13
-501 R0 A-5 S1	DOF A	1	2' - 8" 3' - 0"	PR S	7' - 0" 7' - 0"	HM WD	F5 F2	0' - 7 5/8" 0' - 7 1/4"	HM HM				-	KM01 CKM01F		10, 13
	AIR B	1	3' - 0"	S	7' - 0"	WD	F1	0' - 5 7/8"	НМ				-	CKM01F		





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01/09/2023

02/21/2023

100% CONSTRUCTION DOCUMENTS 02/17/2023

1 ADD 2 <u>1</u> ADD 3

DOOR SCHEDULE AND

DETAILS

A-8.1R1

REVISIONS



4. INSTALL THE 3M FIRESTOP ON BOTH SIDES OF THE WALL.

PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH ONE HOUR WALL NOT TO SCALE



12"

SCALE: NONE

SPRINKLER HEADS TO BE INSTALLED IN

CENTER OF 2x2 CEILING TILES.

2x2 CEILING TILE DETAIL

1 FIRE PUMP PIPING SCHEMATIC

ASCERTAINED TO BE NON-HAZARDOUS B CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THEREFORE, NO ATTEMPT HAS BEEN MADE BY CMTA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL. C IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR

FIRE PROTECTION PHASING NOTES

A THIS 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

GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES,

DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW

SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND

RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR

FIRE PROTECTION HAZARDOUS

A THE CONTRACTOR IT IS HEREBY ADVISED THAT IS POSSIBLE THAT

DOCUMENTS.

INFORMATION.

MATERIALS NOTES

STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED

REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S

RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS

SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN

HAZARDOUS MATERIAL. FURTHERMORE, CMTA NOR ANY AFFILIATE HEREOF WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE

ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC., WHO

ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN

RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN

IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE

OWNER AND SO ADVISE HIM IMMEDIATELY. AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO

BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE,

BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE

CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA,

ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.

E THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER

ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM

D THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK

SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN BE

PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK

SHALL MATCH ADJACENT SURFACES.

CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

A THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY

- C ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW. D COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
- E PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER. F OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY
- APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)
- G WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING
- CONDUITS, WATER, HYDRONIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE. H ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE
- APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING
- PENETRATIONS.
- ALL PIPING IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT
- TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- K ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY. L THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR
- OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.). M INSTALL ALL PIPING AND EQUIPMENT IN STRICT ACCORDANCE WITH
- MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED
- ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT. N SEAL AIRTIGHT AROUND ALL PIPING PENETRATIONS THROUGH WALLS,
- FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.
- O THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK. P WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE
- INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS. Q ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING

NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.

ENGINEER

INSTALLING.

FIRE PROTECTION GENERAL NOTES

ABBREVIATIONS

EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL B WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM

CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE R DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR

S VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT, ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO

TBD

TO BE DETERMINED

ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
CLG	CEILING
CLR	CLEAR
DN	DOWN
ENGR	ENGINEER
EQ	EQUAL
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
FVC	FIRE VALVE CABINET
FL	FLOOR
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPC	FIRE PROTECTION CONTRACTOR
FT	FEET OR FOOT
FUT	FUTURE
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
LBS	POUNDS
LF	LINEAR FEET/FOOT
MAX	MAXIMUM
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA OR NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PC	PLUMBING CONTRACTOR
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PPSI GAUGE
SQ FT	SQUARE FEET OR FOOT

ABBREVIATIONS (CONTINUED)							
TE	TOP ELEVATION						
ТҮР	TYPICAL						
UNO	UNLESS NOTED OTHERWISE						
WT	WEIGHT						
W/	WITH						
W/O	WITHOUT						
%	PERCENT						
¢	CENTERLINE						

GENERAL S	SYMBOLS
#	TAGGED NOTE DESIGNATOR
\land	REVISION TRIANGLE
ROOM NAME RM #	ROOM TAG
TAG XXX-# INSTANCE XXXX	EQUIPMENT TAG
•	POINT OF CONNECTION / CONNECT TO EXISTING
~	POINT OF DEMOLITION

MECHANIC	AL PIPING LEGEND
0	PIPE ELBOW TURNING UP
Ə	PIPE ELBOW TURNING DOWN
	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
	PIPE CAP
FP	FIRE PROTECTION PIPING
D(XXX)	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
—E(XXX)—	EXISTING PIPING - (XXX) DENOTES SYSTEM
—A(XXX)—	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	FLEXIBLE PIPE CONNECTION
[PIPING UNION
	FLOW SWITCH
Ps	PRESSURE SWTICH
T ^{TS}	TAMPER SWITCH
T	PETE'S PLUG; TEMPERATURE/PRESSURE PORT
•	SEMI-RECESSED SPRINKLER HEAD WITH REMOVABLE ESCUTCHEON PLATE
•	UPRIGHT TYPE SPRINKLER HEAD
•	SIDEWALL TYPE SPRINKLER HEAD

APPLICABLE BUILDING CODES						
APPLICABLE BUILDING CODES	DOCUMENT	YEAR				
ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	ANSI A117.1	2009				
FIRE SPRINKLER CODE	NFPA 13	2013				
STANDPIPE AND HOSE SYSTEMS	NFPA 14	2013				
INTERNATIONAL BUILDING CODE (IBC)	STATE EDITION	2015				
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	STATE EDITION	2012				
INTERNATIONAL FIRE CODE (IFC)	STATE EDITION	2015				
INTERNATIONAL FUEL GAS CODE (IFGC)	STATE EDITION	2015				
INTERNATIONAL MECHANICAL CODE (IMC)	STATE EDITION	2015				
KENTUCKY PLUMBING CODE	STATE EDITION	2017				
INTERNATIONAL EXISTING BUILDING CODE (IEBC)	STATE EDITION	2009				
NATIONAL ELECTRIC CODE (NEC)	NFPA 70	2017				
NATIONAL FIRE ALARM & SIGNALING CODE	NFPA 72	2013				
UNIFORM STATEWIDE BUILDING CODE		2018				



FIRE SUPPRESSION LEGEND

REVISIC)NS	
<u>́1</u> A	DDENDUM 1	02/09/23
<u>2</u> A	DDENDUM 2	02/17/23
<u>/</u> 3 A	DDENDUM 3	02/21/23

DATE 01/25/2023 100% CONSTRUCTION DOCUMENTS

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INT DATE: 2/21/2023 09:18:51

TAGGED NOTES

- F8 PROVIDE DRY SPRINKLER SYSTEM IN THE 2ND LEVEL OVERHANG.
 F9 PROVIDE NFPA13 AND NFPA14 COMPLIANT SPRINKLER AND STANDPIPE FIRE PROTECTION SYSTEM.
- F18 EXTEND EXISTING 8" FIRE SERVICE PIPE FROM UNDERSLAB INTO NEW FIRE PUMP ROOM.
- F19 REINSTALL SALVAGED BACKFLOW DEVICE. PROVIDE MOUNTING STAND.
- F20 PROVIDE NEW STANDPIPE AND CONNECT TO FIREPUMP.
 F21 REINSTALL SALVAGED JOCKEY PUMP. PROVIDE MOUNTING STAND OR CONCRETE PAD AS REQUIRED.
- F22 PROVIDE NEW FIRE PUMP CONTROLLER WITH INTEGRAL AUTOMATIC TRANSFER SWITCH. REFER TO ELECTRICAL
- DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- F23 REINSTALL SALVAGED JOCKEY PUMP CONTROLLER.F24 PROVIDE NEW FIRE PROTECTION RISER TO THIRD FLOOR AND
- CONNECT TO EXISTING. F27 PROVIDE NEW FIRE DEPARTMENT CONNECTION.
- F28 EXTEND EXISTING PIPING AND ADD A SPRINKLER HEAD BENEATH INTERMEDIATE LANDING.F32 DESIGN NEW FIRE PROTECTION DISTRIBUTION TO INCLUDE
- CONNECTION TO EXISTING TO REMAIN PIPING AND SPRINKLER
- -F34 PROVIDE DRY SYSTEM AIR COMPRESSOR AND MOUNT ON METAL FABRICATED WALL STAND. STAND SHALL BE PAINTED BLACK. MOUNT AIR COMPRESSOR AT 6FT ABOVE FLOOR. STAND SHALL BE
- FABRIATED IN A MANNER THAT PROTECTS AIR COMPRESSOR FROM DOOR SWING.





TRUE NORTH



LEVEL 01 FIRE PROTECTION PLAN

1	ADDENDUM 1	02/09/23
2	ADDENDUM 2	02/17/23
3	ADDENDUM 3	02/21/23

DATE 01/25/2023
100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER UK: 2571.0 OMNI: 2133











TAGGED NOTES

E16 PROVIDE 120V POWER FOR VAV CONTROLS CIRCUIT IN CEILING SPACE. REFER TO PANEL SCHEDULES FOR CIRCUITING REQUIREMENTS.

- E25 PROVIDE POWER TO CONDENSATE PUMP. EXISTING PUMP TO BE RELOCATED FROM EXISTING FIRE PUMP ROOM. VERIFY NAMEPLATE DATA PRIOR TO ENERGIZING PUMP. E30 NEW LOCATION OF NEW FIRE PUMP CONTROLLER. PROVIDE
- ELECTRICAL CONNECTIONS AS SHOWN ON RISER DIAGRAM. E31 NEW LOCATION OF RELOCATED JOCKEY PUMP CONTROLLER. PROVIDE ELECTRICAL CONNECTIONS AS SHOWN ON RISER
- DIAGRAM. E32 PROVIDE POWER AND DATA FOR BAS PANEL. COORDINATE WITH INSTALLER PRIOR TO ROUGH-IN.
- E72 COORDINATE FINAL INSTALLATION LOCATION OF TRANSFORMER AND DISCONNECT SERVING FIRE PUMP WITH FIRE PUMP AND RELATED PIPING. TRAPEZE MOUNT TRANSFORMER AS NECESSARY AND PROVIDE PIPING PROTECTION WHERE NECESSARY OVER TRANSFORMER TO MEET NEC CODE.
- E73 PROVIDE POWER FOR AIR COMPRESSOR ASSOCIATED WITH THE FIRE PUMP. COORDINATE WITH INSTALLER FOR FINAL LOCATION PRIOR TO ROUGH-IN. E82 PROVIDE POWER TO SMOKE DAMPER. REFER TO MECHANICAL
- SHEETS AND COORDINATE WITH DUCTWORK INSTALLER FOR FINAL LOCATION.









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LEVEL 01 MECHANICAL

POWER PLAN

E-5.1aR1

DATE

REVISIONS

ADDENDUM 1

ADDENDUM 2

ADDENDUM 3

OMNI: 2133

01/25/2023

02/09/23 02/17/23

02/21/23







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LEVEL 01A ESS PLAN

E-7.1aR1

DATE

REVISIONS

ADDENDUM 1

ADDENDUM 2

ADDENDUM 3

01/25/2023

02/09/23 02/17/23

02/21/23





RINT DATE: 2/20/2023 4:11:58 PM







TAGGED NOTES



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LEVEL 01B ESS PLAN

E-7.1cR1

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PROJECT NUMBER

DATE

REVISIONS

ADDENDUM 1

ADDENDUM 2

ADDENDUM 3

UK: 2571.0

OMNI: 2133

01/25/2023

02/09/23

02/17/23

02/21/23



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TAGGED NOTES



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LEVEL 02A ESS PLAN

E-7.2aR1

CCK-2689-23 Project #2571.1 Improve Sanders Brown Center BP#1

Question Date	Item #	Question	Responder	Response
2/10/2023	1	Part G.1 specifies thermoset panels for semi-exposed surfaces. Some sections on A-5.2 call for plastic laminate interior. Which is correct?	Omni	See article 2.2.G "M material application
2/10/2023	2	Cabinet sections call for metal shelf standards. Is 32mm line boring acceptable?	Omni	Refer to Specificatio standards and additi
	3	Refer to 2/A-5.8. This elevation shows the perforated aluminum panels on the right side, but not the left. Sections 10,11,12 show the aluminum panel, with 3form behind that, and quartz behind that at both sides. The 3form is 3/8 thick but the drawing scales to 2". Is the quartz vertical panel behind the 3form necessary? What are the small rectangles at the right side of that elevation?	Omni	Translucent plastic p with item 16 below. removed. See revise over the perforated custom factory cut p regarding this patter
	4	Substitution Request - Alfrex	Omni	Alfrex products that
2/9/2023	5	Good Afternoon, Regarding the window film on the doors and frames, Frame type F3 & F4 both have sidelites, do you want film on the sidelites as well as the doors glass? If so do you want full coverage or partial (how high)?	Omni	Film overlay is to be "15" in the "Comme 3'6" AFF (above finis
	6	On level 3, there are 2 rooms on the door schedule 312 B & C, they are both type F3 frame with a type 1 (solid?) door. They are marked as #14 (full coverage) is this for the sidelite? Or does the door have a lite in it?	Omni	Film overlay is to be
2/9/2023	7	Can you advise which bid package the following spec sections should be included in: 115300 – Laboratory Equipment 115313 – Laboratory Fume Hoods 123553 – Laboratory Casework 124053 – Laboratory Accessories	Whiting-Turner	All Laboratory Equip
2/13/2023	8	Substitution Request - Frie Metal Solutions	Omni	Frie Metal Solutions
2/13/2023				No. Each trade packa the price of one bid
2/13/2023	9	Will combination bids be accepted?	Corey	will be rejected as no
	10	If any/all alternates are accepted, will there be an extension to overall project duration?	Whiting-Turner	No, alternates will ta Schedule completion
	11	Material Hoist is scheduled for install April 2023. Exterior demolition is scheduled for August 2023. Material hoist tie backs will require attachment to existing building structure. While this can be achieved in a variety of methods, once installed, the tie backs may interfere with facade panel removal. Will the demolition contractor be required to demo specific panels at hoist tieback locations prior to material hoist install? Will the material hoist be installed and removed prior to facade demo? If so, will the hoist be required after demo? Please clarify the sequencing of work between material hoist and exterior demo.	Whiting-Turner	The intent is to hav However, we do no preinstallation mee to coordinate phas
	12	Will 3ph 480v be available for material hoist in lieu of 3ph 208v?	Whiting-Turner	Further clarification
	13	Site Logistics plan states material hoist "ground to roof", 01A scope #6 states deliveries to "2nd/3rd" floor. Please clarify required stops for material hoist.	Whiting-Turner	The material hoist
	14	Site and Laydown lots show "cantilever gates" attached to water barrier fencing. This is not possible. A cantilever gate with 30' clear opening will be approximately 45' long and requires 6"8" diameter posts set in footings. Is this the intent or will a "rolling gate" be acceptable.	Whiting-Turner	CM understands th cantilever gate. Th
	15	Will 04A be responsible for dumpsters for masonry waste?	Whiting-Turner	No, 04A will use ge
	16	Dumpster loading ramp is shown approximately same length as dumpster (22'). A suitable ramp slope to manually push trash carts will require 35-40' to reach 6' high dumpster sides. The ramp require a platform on the opposite side or full length return to prevent end loading debris in dumpster. Will the CM accept this "footprint" in the dumpster area or will alternative loading methods be accepted.	Whiting-Turner	The intent is for cart are acceptable to the safety requirements
	17	Please describe "dumpster cover" requirements (watertight, breathable, hard cover, pliable cover, etc.)	Whiting-Turner	Please provide ALC https://www.alcoc

Naterials for Semiexposed Surfaces" of specification 06 4116 for correct

on 06 4116 Plastic-Laminate-Clad Architectural Cabinets for acceptable ional information regarding casework.

panel shall be 2" in depth. See revised specification language associated The quartz agglomerate behind the translucent plastic panel is being ed details AD-A-2.2 and AD-A-2 for more information. The rectangles shown aluminum wall panel are representative of the Architect's intent for a perforation pattern. Specifics

rn will be calrified during the shop drawing process.

meet the specified criteria are acceptable.

e applied to the sidelites only. For the partial coverage that is indicated by ents" column on the door schedule, the film overlay is to be applied up to sh floor).

applied to the sidelites only. Door type 1 is solid with no sidelite.

oment, Fume Hoods, Casework and Accessories will be procured directly by uded in any of the current bid packages.

products that meet the specified criteria are acceptable.

age must be bid separately. Further, bidders are cautioned not to condition on the success of another trade package bid. Conditioned or qualified bids on-responsive.

ake place concurent with the overall project and be bound by the Bid n date.

ve the material hoist to be available for the 18 month duration.

ot want to dictate means and methods for installation. A

eting between 01A and 02A will be held after contract award in order sing and installation for the material hoist to best serve the project.

on material hoist power will be provided in a future addendum.

is only intended to go have stops at the 2nd and 3rd floor.

hat additional independent posts will need to be set to support the is is the expectation and a cantilever gate should be included.

eneral dumpsters for masonry waste.

ts to safely access the dumpsters without end loading. Alternative methods ne CM as long as they meet the intent and are in line with all WT and OSHA

CO dumpster cover with portable hand crank or equal. covers.com/product/dumpster-cover-roller/

	18	01A scope #15: Dumpsters "includes all recycling and separation of materials". Will this be required? If so, where are extra dumpsters to be located? What materials must be separated and recycled?	Whiting-Turner	Due to space restrict
	19	01A scope #9 & #10: Will pedestrian walkway require OSHA minimum 150psf? Will entire walkway require "plywood barrier" as described in scope? Site logistics plans show additional plywood barrier beyond walkways, and walkways without barriers, is this correct?	Whiting-Turner	All covered walkway intent is for the plyw during construction.
	20	01A scope #12: Please define number of movers required for 3 days.	Whiting-Turner	This requirement has provide two laborers
	21	01A scope #16: Please clarify "two laborers for daily cleaning". Full project duration? Stated duration? Fulltime? Stated hours per day/week?	Whiting-Turner	The intent is to have laborers can also be trained.
	22	01A scope #18: Notes "ram board for all new flooring". Is this for areas A & B? All flooring or main traffic (hallways) only? All flooring types?	Whiting-Turner	This has been update discretion of the con
	23	01A scope #11: Do Edgeguard barriers require negative pressure/HEPA filtration or standalone barriers only?	Whiting-Turner	This has been update Clinic entrance. All o
	24	01A scope #7: Will restrooms at all levels be open at all times for contractors, one floor at a time, multiple floors at a time?	Whiting-Turner	For bidding purposes restroom will be a de
	25	"Requirements Common to All Work Categories" #28: States Monday Friday 7a5:30p (50hr/week). Does this apply to stated labor such as material hoist operator, cleaning laborers, etc. or should bidders assume 40hr/week for these tasks.	Whiting-Turner	Assume 40 hours per
	26	31A scope #6: Existing water and sanitary lines are not shown on logistics plans. What is the approximate location of these utilities in proximity to the trailer?	Whiting-Turner	For bidding purposed trailer location.
	27	31A scope #7: Erosion eels are not shown on logistics plans. Please clarify locations requiring erosion control.	Whiting-Turner	Provide erosion eels Sanders-Brown fenci
	28	31A scope #9: Proposed laydown area has multiple utilities present. It is understood that manholes, vaults, etc will require plates to protect in place. Will existing fire hydrant & (2) fire department connections be removed by MEP, left active and protected? Please clarify.	Whiting-Turner	The intent is to leave
	29	31A scope #15: Mudmat is not shown on Logistics plans. Is one required? To what extent?	Whiting-Turner	No mudmat is requir
2/14/2023	30	Trade Contract 08A (Doors, Hardware & Security) states that all door glazing is by this scope of work (note #13), Trade Contract 08B(Glass & Glazing) states that all interior glass & glazing is by this scope of work (note #1.b). Can you advise which bid package is to have the door glazing?	Whiting-Turner	Door glazing for woo 08B.
	31	Trade Contract 10A (Div. 10 & Accessories) mentions recycling stations (#4), however, Plan note #3 on page A-1.1A states Owner	Whiting-Turner	Information provided
	32	Trade Contract 10 A(Div. 10 & Accessories) mentions Fire Extinguishers & Cabinets (#6); however, Plan note #8(Recessed Cabinet), #10(Spill Kit Cabinet) on page A-1.1A states Owner Furnished, Contractor Installed. Can you advise if we need to include these cabinets in TC-10A?	Whiting-Turner	Information provided precidence. If specifi should be included in
	33	Trade Contract 10 A(Div. 10 & Accessories) mentions Residential Appliances (#9); however, Plan note #2(Undercounter Refrigerator), #6(Refrigerator), #7(Microwave) on page A-1.1A states Owner Furnished, Owner Installed. Can you advise if we need to include these appliances in TC-10A?	Whiting-Turner	Information provided precidence. If specifi pricing.
2/15/2023	34	The schedule makes reference to EOS Fire Stopping. Under what package is this scope provided?	Whiting-Turner	09A should provide a
	35	TC 05A indicates that subcontractor is responsible for inspections. Elsewhere the bid documents indicate that the owner will retain special inspector. Please clarify responsibilities.	Whiting-Turner	Special inspections s coordination with sp
	36	TC05A, item 15, makes reference to a tower crane. Please clarify.	Whiting-Turner	This reference was re
	37	General - Reference is made throughout the bid documents to coordinate with fireproofing contractor. Is there a spray applied fire proofing trade package?	Whiting-Turner	This scope has been
	38	TC 03A - Please clarify the dimension of the Edge of Slab extension from existing slab on Level 3 along column line XF.	OMNI	1'-1"
	39	TC 03A -Spec section 03 3000 indicates that water reducing admixtures are mandatory for architectural concrete. Mix type 2 for exterior walls indicates that WR is optional. This seems to be a contradiction. Please clarify.	ομνι	Water reducer is opt
	40	TC 03A - Div 03 specs make reference to rustication strips but no dimensions/sizing is provided. Please clarify.	ομνι	Spacing shall be coor ½" base triangle shap

ions this will not be required.

s must meet any OSHA requirements. Please follow site logistics plan. The rood barrier to provide a means of security for the rear of Sanders-Brown Some walkways will be adjacent to plywood barrier and some will not.

been updated to 4 days of total moving per Addendum #2. Please and one competent person trained to operate Lull.

two full time (40 hours/week) laborers available for cleaning. These two used to fulfill the flagging requirement for 01A provided they are properly

e to ten (10) 100ft rolls of floor protection plus tape to be used at the struction manager.

ed in Addendum #2. Negative air pressure will be required at the Kentucky ther Edgeguard barriers are standalone barriers only.

s, please assume that all restrooms will be open for contractor use. One edicated women's restroom and the rest will be men's.

r week for material hoist operator, cleaning laborers and flagmen. I please assume that water and sanitary utilities are within 100ft of the

around the interior perimeter of 141 Leader Ave laydown area and ng.

these utilites active and protected.

ed. This reference has been removed from the scope.

od and hollow metal doors shall be by 08A. All other glazing shall be by

d in the Accessory Schedule shown on the floor plans shall take

d in the Accessory Schedule shown on the floor plans shall take c scope items are called out to be OFCI only the installtion of said items n the pricing.

d in the Accessory Schedule shown on the floor plans shall take c scope items are called out to be OFOI they should be excluded from

all edge of slabfire stopping.

hall be provided by others. This subcontractor is responsible for ecial inspector and for passing inspections.

emoved in Addendum #2.

added to TC-01A per the updated bid sheeting included in Addendum #3.

ional for the exposed wall.

rdinated with architectural drawings. Rustication joints shall be $\frac{3}{2}$ " high x 1 pe.
			Whiting-Turner	All trade contractors durations. The const
	<u></u>	General -Does CM intend to open jobsite for Five-8's M-F, or is there an intent to work Four-10s?	whiting-runner	10 hours and Friday
	42	General - Are the owner or CM placing limits on allowable noise and/or vibration levels beyond typical city ordinances? If so, what are the	Whiting-Turner	
	42	limits?	M/hiting Turner	No additional limits
	43	General Note: Spec section 01100.1.2 "E" lists CM team as Webr Constructors	Whiting-Turner	Due to space restrict
	44			
	45	TC 314 - What schedule activities have predecessor relationships with Hardscape and Landscape?	Whiting-Turner	The predecessor for skin. The predecessor and Landscaping to b
	43	TC 31A - Is stone at site entrance and dumpster area $8^{\prime\prime}$ or 12 ^{$\prime\prime$} thick? Logistics plans and scope conflict with one another	Whiting-Turner	Diese provide 12" p
	40	Special Conditions and Spec 015000 indicate that owner will provide for cost of water sewer, and power TC31A, item 22 makes reference to	whiting-runner	
	17	metering a connection deen foundations and concrete trades. Place clarify	Whiting-Turner	This requirement ha
	47			Povise note "CONT B
		Detail N/S-4.1 indicates that the continuously radius bent plate is $3/8"x/"x["A"-1] LDH.$ Graphically the detail seems to denict that the		
		borizontal leg of the bent plate is longer than " Δ " with a slight overhang not 1" shorter. Please clarify the intent of the radiused bent plate		Revise dimension ""
2/17/2023	48	dimensions		by 1/3" so a weld is ac
2/1//2023				
		Please confirm the removal of masonry wall and wall openings, such as the increasing the exterior wall for the louvers, will be performed by the selective demolition contractor. The lintels required for any of the masonry openings performed by the selective demolition contractor	Whiting-Turner	Removal of masonry lintel install prior to
2/13/2023	49	shall be provided and installed by others. The masonry openings per item #13 in the masonry scope of work only applies to MEP openings.		miscellaneous maso
	50	Although the asbestos abatement has already been performed by Owner, please provide the asbestos survey so we do not include the removal of any materials that has already been removed. This will also be required prior to the start of construction to assure the materials being removed do not need the proper personnel protective equipment to remove asbestos containing materials.	ик	An asbestos survey h
	F 4			Currently no as-built
	51	Can as-built drawings be provided?		provided in a future
	52	During the site walk of the 4th floor, the masonry (entry corridor 401) or gypsum wallboard (return corridor 401R) partitions have metal handrails (wall protection per demolition note 32) that are to be salvaged. A portion of the gypsum ceiling will also need to be removed to provide access above the ceiling at these chases. The chase may also be accessed from the janitors closest instead of the corridor 401R. Confirm the salvaged materials are to be placed in Isolation Room 401G, which is where the contractors have limited access.	Whiting-Turner	Demolition work in t salvaging of all mate prior to removal.
	53	In regards to alternate #2, are the removed generator equipment to be removed by the selective demolition contractor or the electrical contractor?	Whiting-Turner	For base bid pricing 1979 generator set. disposal. For Alterna subcontractor shall b
2/15/2023	54	Item 9 in the corrections / changes of addendum #1 deletes note 15 on the east wall of the penthouse floor. Does this also affect the louver on the north elevation at the top of the page at column line XA1? This louver is a tall louver that goes from the second floor to the penthouse, that has note 15 only shown at this location on the second and penthouse floors (not on the third or fourth floor reflective ceiling drawings). This louver is not shown to be removed on 3/AD-2.1 elevations.	ΟΜΝΙ	Remove note 15 at l
				The casework is not
	55	Is this going to be registered as an AWI QCP Project, or just want casework fabricators to be AWI Quality Certified?	OMNI	required to be AWI
			1	Per item 2.2.F.4 do
	56	Specs call for laminate edging, pvc is more durable & industry norm, will this be accepted? 1mm or 3mm pvc?	ΙΟΜΝΙ	edges of plastic-lam
		Casework sections on A-5.2 call for both white thermo-fused melamine interiors & laminate for interiors of cabinets behind door fronts.		See article 2.2.G "M
	57	spec 2.2 G1 calls for white thermo-fused, please clarify?	OMNI	material application.
		Spec section 123661, 2.2 A3, calls out solid surface colors, SS-1 Blue Pebble is discontinued. SS-2 Evening Prima is still a good color. do we		
	58	just price all solid surface in Corian Group 4 colors?	ΟΜΝΙ	Replace item 2.2.A.3

should work sufficient hours to meet the bid schedule dates and ruction manager intends to have the jobsite open Monday - Thursday for for 8 hours. Any additional work hours need to be coordinated with the

are being put in place. Please meet city ordinances. ions this will not be required. nformation provided in Addendum #2.

Hardscape is activity PH-10040 which is the Final Cleaning of the exterior or for Landscape is the Hardscape activity. The intent is for Hardscaping begin after all new exterior skin is installed and cleaned. Deer the logistics plan.

s been removed from the scope per Addendum #2, BENT PL 3/8x4x["A"-1"] L.D.H. W/ ¾"øx6 EMBED ADHESIVE C." to read "ATTACH RADIUSED ASSEMBLY TO EX STRUCTURE W/ ¾"øx6" NCHORS @ 24" O.C." A' - SEE PLAN" to read "8" – The radiused horizontal plate should overhang chievable.

walls and wall openings shall be by 02A. 02A shall coordinate with 04A for cutting openings. Item #13 in the 04A Masonry scope applies to any nry opening that are not explicitly shown in the demolition drawings.

nas been provided by UK and is included in Addendum #3. drawings are available. If as-built drawings become available they may be addendum.

he 4th Floor DLAR area has been moved to the 09A contract. This includes rials in question. Material storage location should be coordinated with CM

purposes 02A Demolition contractor shall include removal and disposal of If owner decides to salvage the generator set 02A shall provide a credit for ate #2 due to sequencing of power to rooms 214 & 220 the 26A electrical be responsible for removal and disposal of 1996 generator set.

ouver located at column line XA1.

required to be AWI QCP certified, however, the casework fabricator is Quality Certified.

or and drawer edges are to be grade HGS laminate. Per item 2.2.G.1.a, inate shelves are to have 3mm PVC edge banding.

aterials for Semiexposed Surfaces" of specification 06 4116 for correct

.a. "SS-1" "Blue Pebble." with "SS-1: "Dove."

	59	Spec section 2.2 K E, calls for aluminum wall panels at Reception Desk to be selected from full range, including custom colors. I need a specific manufacturer & color group to be able to price this without losing money? Or give us a sq ft price to use?	ομνι	Color to match that o
	60	Reception desk sections 10 & 11/A5.8, looks like the 3 form panels go behind the perforated aluminum panels, is this correct?	ομνι	The 3form panels are item 9 for additional
	61	Is there a schedule yet for when casework would need to be installed?	Whiting-Turner	Please refer to the Sa dates and durations. This is subject to cha 13, 2023 date should
	62	At elevations 10 & 17/A5.1, you show the countertop returning down at the finished ends, does this attach to a laminated support panel?	ΟΜΝΙ	Refer to detail 5/A-5.
2/20/2023	63	Section C / S-2.6a includes references to second, third, and fourth floors. Is it intended that the work shown in this section occurs in two locations, once between second and third floors, and again between third and fourth floors?	OMNI/B+K	The section details th the fourth floor conc fourth floor beams. T floor opening. Fourth occurs in one place, o fourth floor.
2/21/2023	64	When looking at the door schedule on plan page A-8.1, there are multiple openings with the frame type not stated. It calls for hollow metal but then doesn't reference the type needed. Please provide clarification.	OMNI	Hollow Metal Frames frame elevations on s

of perforated aluminum wall panel system.

e located behind the perforated aluminum panel. Refer to Addendum 2 information.

anders-Brown Bid Schedule which is included in the bid documents for all Per the bid schedule millwork installation will begin December 13, 2023. Inge with future schedule updates but for bidding purposes the December be used.

.1 for section cutting through solid surface waterfall edge.

the extent of the continuous angle from the second floor concrete beam to crete beam. The continuous angle shall attach to the second, third, and The opening support tube (HSS4x4) shall occur at the second and third in floor precast is to remain in place as originally attached. The section continuous from the second to

s that do not reference a Frame Type contain comment 8 which references sheet A-8.2

						ViewAsbestos						
Sector	BldgNo	BldgName	RoomNo	SampleNo	SampleDate	Description	Results	Condition	AbatedDate	Identity	Link1	Link2
CA	0230	Sanders	309	19		black lab counter	2%			11130		
		Brown				top	chrysotile					
		Research					asbestos					
CA	0230	Sanders	104	207		nine insulation	none			11651		
	0250	Brown	101	207		room 104	lione			11051		
		Research										
	<u> </u>	Center										
CA	0230	Sanders	306	25		sample of counter	none			10417		
		Brown Research				top material						
		Center										
CA	0230	Sanders	104	21		insulation material	none			10418		
		Brown				from 180 degree						
		Research				water tank						
	0330	Sanders	104	22		insulation material	none	<u> </u>		10/10		
	0230	Brown	104	22		from steam line	none			10419		
		Research										
		Center										
CA	0230	Sanders	104	23		insulation material	none			10420		
		Brown Research				steam line (orange)						
		Center				steam me (orange)						
CA	0230	Sanders	104	24		insulation material	none			10421		
		Brown				from flange on						
		Research				water line (green)						
CA	0230	Sanders	310	18		grav soft fibrous	none			10/15		
	0230	Brown	510	10			none			10415		
		Research										
		Center										
CA	0230	Sanders	309	19		black lab	20%			10423		
		Brown Research				countertop	chrysotile asbestos					
		Center										
CA	0230	Sanders	P2	17		lab countertop -	9%			10414		
		Brown				stored in penthouse	chrysotile					
		Research					asbestos					
CΔ	0230	Sanders	рн	201		nine insulation	none			11645		
CA	0250	Brown		201		penthouse	lione			11045		
		Research										
		Center						<u> </u>				
CA	0230	Sanders	PH	202		pipe insulation	none			11646		
		Research				penthouse						
		Center										
CA	0230	Sanders	РН	203		pipe insulation	none			11647		
		Brown				penthouse						
		Center										
CA	0230	Sanders	104	204		pipe insulation	none			11648		
		Brown				room 104						
		Research										
	0000	Center	104	205						11640		
CA	0230	Sanders	104	205		pipe insulation	none			11649		
		Research										
		Center										
CA	0230	Sanders	104	01		hard insulation	none			10398		
		Brown				material from						
		Center										
CA	0230	Sanders	110A	20	·	12x12 floor	1-5%			10422		
		Brown				tile/beige colored	chrysotile					
		Research				floor tile	asbestos					
	0220	Center	211	10		material from	250/			10407		
CA	0250	Brown	211	10		painted transite	chrvsotile			10407		
		Research				board liner inside	asbestos					
		Center				fume hood						

						ViewAsbestos						
Sector	BldgNo	BldgName	RoomNo	SampleNo	SampleDate	Description	Results	Condition	AbatedDate	Identity	Link1	Link2
CA	0230	Sanders Brown Research Center	104	02		hard insulation material from emergency generator	none			10399		
CA	0230	Sanders Brown Research Center	105F	03		2x4 lay in ceiling tile	none			10400		
CA	0230	Sanders Brown Research Center	105F	04		insulation material from white gloves	85% chrysotile asbestos			10401		
CA	0230	Sanders Brown Research Center	000	05		hard insulation material on pipe elbow of line in stairwell	none			10402		
CA	0230	Sanders Brown Research Center	211	06		insulation material from hot pad inside cabinet	90% chrysotile asbestos			10403		
CA	0230	Sanders Brown Research Center	211	07		2x4 lay in acoustical ceiling tile	none			10404		
CA	0230	Sanders Brown Research Center	307	26		black counter top material	none			10416		
CA	0230	Sanders Brown Research Center	205	09		material from transite board liner inside fume hood	45% chrysotile asbestos			10406		
CA	0230	Sanders Brown Research Center	104	208		pipe insulation room 104	none			11652		
CA	0230	Sanders Brown Research Center	303	11		material from lab counter top	22% chrysotile asbestos			10408		
CA	0230	Sanders Brown Research Center	110	12		12x12 floor tile resilient - original material	none			10409		
CA	0230	Sanders Brown Research Center	105	13		12x12 floor tile resilient - replacement	none			10410		
CA	0230	Sanders Brown Research Center	P1	14		insulation material on pipe elbow	none			10411		
CA	0230	Sanders Brown Research Center	P1	15		hard insulation material on pipe elbow	none			10412		
CA	0230	Sanders Brown Research Center	P2	16		hard insulation material on pipe elbow	none			10413		
CA	0230	Sanders Brown Research Center	212	08		material from rope gasket of door to counter top dryer	97% chrysotile asbestos			10405		
MC	0230	Sanders Brown Research Center	HL	60	8/17/10	drywall mud	NAD			20818		
CA	0230	Sanders Brown Research Center	104	206		pipe insulation room 104	none			11650		

						ViewAsbestos						
Sector	BldgNo	BldgName	RoomNo	SampleNo	SampleDate	Description	Results	Condition	AbatedDate	Identity	Link1	Link2
CA	0230	Sanders Brown Research Center	RF	51		flashing on vent	NAD			17001		
CA	0230	Sanders Brown Research Center	212	54	3/4/04	12"x12" cream/br. fl. tile w/ yellow/ bk. mastic	NAD			18386		
CA	0230	Sanders Brown Research Center	212	55	3/4/04	12"x12" cream/ br. fl. tile w/ yellow / bk. mastic	NAD			18387		
CA	0230	Sanders Brown Research Center	212	56	3/4/04	12"x12" beige fl. tile w/ bk. mastic	tile NAD mastic 6% Chry			18388		
CA	0230	Sanders Brown Research Center	111	57	4/12/07	12x12 cream fl. tile w/ bk. mastic	tile NAD mastic 2% chry			19454		
CA	0230	Sanders Brown Research Center	RF	49		flashing west side	NAD			16999		
MC	0230	Sanders Brown Research Center	406	59	8/17/10	drywall mud	NAD			20817		
CA	0230	Sanders Brown Research Center	RF	48		roof field north side	NAD			16998		
MC	0230	Sanders Brown Research Center	HL	61	8/17/10	2'x4' drop-in ceiling tile	NAD			20819		
MC	0230	Sanders Brown Research Center	HL	62	8/17/10	2'x4' drop-in ceiling tile	NAD			20820		
MC	0230	Sanders Brown Research Center	HL	63	8/17/10	2'x4' drop-in ceiling tile	NAD			20821		
MC	0230	Sanders Brown Research Center	330	64	11/11/2011	12"x12" gray fl. tile w/ bk. mastic	both NAD			21099		
MC	0230	Sanders Brown Research Center	330	65	11/11/2011	12"x12" gray fl. tile w/ bk. mastic	both NAD			21100		
MC	0230	Sanders Brown Research Center	330	66	11/11/2011	12"x12" gray fl. tile w/ bk. mastic	both NAD			21101		
MC	0230	Sanders Brown Research Center	418	58	8/17/10	drywall mud	NAD			20816		
CA	0230	Sanders Brown Research Center	S	43		brown mastic	NAD			13301		
CA	0230	Sanders Brown Research Center	104	209		pipe insulation room 104	none			11653		
CA	0230	Sanders Brown Research Center	2nd.fl. corridor	13		12"x12" fl. tile cream/brown with black mastic	tile none / mastic none			11715		

	<u>.</u>					ViewAsbestos						
Sector	BldgNo	BldgName	RoomNo	SampleNo	SampleDate	Description	Results	Condition	AbatedDate	Identity	Link1	Link2
CA	0230	Sanders brown Research Center	3rd. fl. Corridor	14		12"x12" fl. tile cream/brown w/ black mastic	tile none / mastic 2% CHRY			11716		
CA	0230	Sanders- Brown Research Center	MR	38		6" valve chilled water line	none			11862		
CA	0230	Sanders- Brown Research Center	104	39		pipe fitting high pressure steam 6" valve	none			11863		
CA	0230	Sanders Brown Research Center	S	40		cream mastic	NAD			13298		
CA	0230	Sanders Brown Research Center	RF	50		flashing west side	10% chry			17000		
CA	0230	Sanders Brown Research Center	S	42		brown mastic	NAD			13300		
МС	0230	Sanders Brown Research Center	240	67	10/22/15	12x12 lt. br. fl. tile w/ br. mastic	both NAD			22321		
CA	0230	Sanders Brown Research Center	S	44		yellow mastic	NAD			13302		
CA	0230	Sanders Brown Research Center	S	45		yellow mastic	NAD			13303		
CA	0230	Sanders Brown Research Center	100	52	3/26/03	12"x12" cream fl. tile w/ bk. mastic	tile NAD mastic 5% chrysotile			16754		
CA	0230	Sanders Brown Research Center	100A	53	3/26/03	12"x12" cream fl. tile w/ bk. mastic	tile NAD mastic 5% chrysotile			16755		
CA	0230	Sanders Brown Research Center	RF	46		roof field south side	NAD			16996		
CA	0230	Sanders Brown Research Center	RF	47		roof field west side	NAD			16997		
CA	0230	Sanders Brown Research Center	S	41		cream mastic	NAD			13299		

Sanders Brown Center on Aging Overall Site Plan

27

WT Laydown Yard with trailer, community lull, storage area, etc.

Ave

Gazette Ave

College of Ph replace moveal barriers Leader move n

01A - Remove bollards at beginning of job and store; replace with moveable jersey barriers to utilize Leader Avenue to move material

College of Medicine

6 spaces in lot to be utilized at WT discretion for contractor vans

\$ Limestone

of Medicine Learning Center

College

Gazette Ave

Se Plader Ave

Sanders Brown worksite with jersey barriers and fence panels with windscreen. Install transport platform ground to Level 03. Dumpster access provided through secondary gates.

eader Ave

01A to provide Jersey barriers, fence, windscreen, transport platform and dumpster. rsity Hoalth

5

5

27

 \otimes

University

01A - Provide signage and pedestrian reroute at crosswalks and around Sanders Brown through rear walkway (see signage logistics)

> 01A - Install plywood screenwall along back of Sanders Brown and other selective areas for security and utility access

> > UK College of I

Parki

01A to provide:

2 - 18" x 24" signs "Parking Reserved for WT- Sanders-Brown Parking only. All others will be towed at owner's expense"

6 - 18" x 14" signs "WT-Sanders-Brown Parking Spot #X (1-6)"



26A - Remove existing light pole and remaining electrical panel from previous tenants. Remove existing light pole bases and conduit. Remove wire back to College of Pharmacy.

01A - Provide jersey barriers with fence panels attached and windscreen

01A - Intercept existing Sanitary line and connect to WT trailer; disconnect at end of project. Intercept existing water line and connect to WT trailer; disconnect at end of project. Provide Erosion Eels around interior fence perimeter.

01A - Provide tree protection for 1 tree in laydown yard per UK standard. Provide Iull for community use for 18 months. Install signage at front of laydown yard.

WT Trailer

01A - clear, grub, provide 12" compacted DGA for laydown area

Sanders Brown Center on Aging Laydown Yard Site Plan

and wheels

01A - 8' chainlink fence with driven posts and windscreen

01A - 30' opening cantilever 8' chainlink gate with windscreen

> 26A - Provide temporary power to WT Trailer and set 2 outdoor temporary power stations in Sanders-Brown Laydown Area.





01A - Provide covered 6' walkways (purple) for pedestrian traffic

01A - Provide plywood barrier to restrict access to public

rignW nameW esel9 leoibaW 01A - Transport platform (Beta Max 4000/3000) 26A - Provide temporary power to transport platform and temporary power stations in front and rear of building

01A - Area laid down with Rhino Tile FR or similar 01A - Ramp for cart access to dumpster with removable guardrails. Provide dumpster cover.

01A - Clear and grub; provide metal plates to protect grates and vault openings; provide 12" compacted DGA

01A - 30' cantilever gate with wheels

01A - 15' gate (30' opening - 2 gates) with wheels and drop rods; provide jersey barriers with fence panels attached and windscreen.

Sanders Brown Center on Aging Sanders Brown Site Plan

Kentucky Chate Erdge to University Heelth... 26A - Provide perimeter LED fence lighting and LED lighting for pedestrian covered walk ways

01A - Provide roof perimeter fall protection on areas noted. Hilmerson Safety Rail System or similar.



Plan





212 North Upper Street Lexington, Kentucky 40507 p. 859.252.0004 www.omniorchitects.com

02A - Provide floor and wall protection for corridor Entry Point **International Proplex** FR 250 or similar on floors and walls with

02A - Restrooms to be made available to contractors. Provide floor protection, wall protection & door protection

02A - Provide floor Board or similar with







LEVEL 01 BUILDING LOGISTICS PLAN

G-2.1





212 North Upper Street lexington, Kentucky 40507 p. 859-252-0004 www.omniorchitects.com

02A - Provide floor and wall protection for corridor Entry Point **International Proplex** FR 250 or similar on floors and walls with taped seams

> 02A - Restrooms to be made available to contractors. Provide floor protection, wall protection & door protection Entry Point International Proplex FR 250 or similar



- UK STAFF STAIR: THE 02A - Restrooms to be made available to contractors. Provide floor protection, wall protection & door protection Entry Point International Proplex FR 250 or similar



02A - Provide floor protection RAM Board or similar with taped seams





06/03/2022 SCHEMATIC DESIGN

LEVEL 02 & 03 BUILDING LOGISTICS PLAN

G-2.2







212 North Upper Street Lexington, Kentucky 40507 p. 859.252.0004 www.omniorchitects.com



UNIVERSITY OF KENTUCKY IMPROVE SANDERS-BROWN CENTER ON AGING/NEUROSCIENCE FACILITIES

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UK: 2571.0 OMNI: 2133

06/03/2022 SCHEMATIC DESIGN

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LEVEL 04 & 05 BUILDING LOGISTICS PLAN

G-2.3



Sanders-Brown Lane Closure for Concrete Precast Panel Facade Removal



MATERIAL/CONTAMINATED MATERIAL, NOTIFY THE CONSTRUCTION MANAGER OF THE DISCOVERY AND IMMEDIATELY STOP WORK. REPORT FINDINGS TO OWNER IN WRITING AND DO NOT RESUME WORK UNTIL MITIGATION APPROACH IS IDENTIFIED.

REMOVE AND PROTECT EXISTING LAY-IN ACOUSTIC CEILING TILE AND LIGHT FIXTURES EFFECTED BY CONTROLS WORK. REFER TO MEP SHEETS FOR EXTENT OF CONTROLS SCOPE.

NOT ALREADY REMOVED BY OWNER AS PART OF THE HAZARDOUS MATERIALS REMOVAL.

DEMOLITION LEGEND

- 1 DEMOLISH INTERIOR GYPSUM BOARD PARTITION WALLS. ALL WALLS TO BE DEMOLISHED EXTEND FROM THE FLOOR TO THE UNDERSIDE OF STRUCTURE ABOVE. ALL MISCELLANEOUS ACCESSORIES MOUNTED TO WALLS, AS WELL AS DOORS, DOOR FRAMES, DOOR HARDWARE, CONDUIT, AND PIPE ARE TO BE DEMOLISHED AS PART OF THE WALL DEMOLITION. 2 REMOVE EXISTING CARPET AND RESILIENT BASE. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES. 3 REMOVE EXISTING CERAMIC WALL AND/OR FLOOR TILE.
- PREPARE FLOOR SURFACES TO RECEIVE NEW FINISHES. ABATEMENT OF EXISTING RESILIENT FLOOR TILE AND
- BASE WILL BE PERFORMED PRIOR TO THE START OF THIS CONTRACT. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES. 5 REMOVE EXISTING CEILING INCLUDING SUSPENSION
- SYSTEM, ASSOCIATED LIGHT FIXTURES, FIRE PROTECTION DEVICES, AND MECHANICAL FIXTURES.
- 6 REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. COORDINATE WITH NEW PLUMBING WORK AT THIS LOCATION. CAP AND TERMINATE EXISTING LINES
- IN WALL WHERE NEW FIXTURES ARE NOT INSTALLED. 7 DEMOLISH EXISTING WALK-IN REFRIGERATION UNIT AND ALL ACCOMPANYING POWER, LIGHTING AND
- ACCESSORIES 8 REMOVE EXISTING EXTERIOR STOREFRONT FRAME. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
- 9 REMOVE EXISTING EXTERIOR DOOR, PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL
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- TEXISTING DOOR AND FRAME TO REMAIN









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MATERIALS REASONABLY BELIEVED TO BE ASBESTOS OR OTHER CLASSIFIED HAZARDOUS MATERIAL/CONTAMINATED MATERIAL, NOTIFY THE CONSTRUCTION MANAGER OF THE DISCOVERY AND IMMEDIATELY STOP WORK. REPORT FINDINGS TO OWNER IN WRITING AND DO NOT RESUME WORK UNTIL MITIGATION APPROACH IS IDENTIFIED.

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- STRUCTURE TO REMAIN. REMOVE RESIDUAL RESIDUE AND PREP SURFACES TO RECEIVE NEW FINISHES. 30 NEATLY REMOVE EXISTING FLOOR FINISH AND CEILING TILE IN THIS AREA. ALL OTHER FLOOR AND CEILING
- FINISHES IN THIS SPACE TO REMAIN. PREP EFFECTED SURFACES TO RECEIVE NEW FINISHES. 32 DEMOLISH SHAFT WALL AND CEILING AS NECESSARY FOR SELECTIVE MEP DEMOLITION. CAREFULLY REMOVE WALL PROTECTION AND STORE FOR REINSTALLATION.
- CAREFULLY REMOVE CEIING TILES AS NEEDED AND STORE FOR REINSTALLATION. PATCH WALLS WITH 2-HOUR RATED SHAFT WALL ASSEMBLY. REPAINT ENTIRE WALL FACE WITH EPOXY INTERIOR PAINT.
- 33 REMOVE EIFS SOFFIT AND ALL RELATED SUBFRAMING FRAMING MEMBERS.
- 34 REFER TO MEP SHEETS FOR EXTENTS OF ROOF EQUIPMENT DEMOLITION.
- 35 REFER TO STRUCTURAL SHEETS FOR EXTENTS OF ROOF SLAB DEMOLITION. 36 REFER TO STRUCTURAL FOR EXTENTS OF PRE-CAST TO
- REMAL
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXTENTS WHERE FINISHES (FLOOR, CEILING, WALL, ETC) ARE LIKELY TO BE DAMAGED BY
- FACADE REPLACEMENT CONTRACTOR TO PROTECT EXISTING TO REMAIN ITEMS IN THIS ZONE FROM DAMAGE TO THE GREATEST
- EXTENT POSSIBLE. ALL DAMAGED ITEMS SHALL BE REPLACED TO MATCH ADJACENT FINISHES. EXISTING DOOR AND FRAME TO BE DEMOLISHED
- Texisting door and frame to remain

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OMNI: 2133 01/09/2023

DATE **100% CONSTRUCTION DOCUMENTS**

REVISIONS

LEVEL 03 DEMOLITION PLAN

DEMOLITION LEGEND

1 DEMOLISH INTERIOR GYPSUM BOARD PARTITION WALLS. ALL WALLS TO BE DEMOLISHED EXTEND FROM THE FLOOR TO THE UNDERSIDE OF STRUCTURE ABOVE. ALL

	MISCELLANEOUS ACCESSORIES MOUNTED TO WALLS, AS WELL AS DOORS, DOOR FRAMES, DOOR HARDWARE, CONDUIT AND DIDE ARE TO BE DEMOLISHED AS PART OF
	THE WALL DEMOLITION.
2	REMOVE EXISTING CARPET AND RESILIENT BASE. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
3	REMOVE EXISTING CERAMIC WALL AND/OR FLOOR TILE. PREPARE FLOOR SURFACES TO RECEIVE NEW FINISHES.
4	ABATEMENT OF EXISTING RESILIENT FLOOR TILE AND BASE WILL BE PERFORMED PRIOR TO THE START OF THIS CONTRACT. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
5	REMOVE EXISTING CEILING INCLUDING SUSPENSION SYSTEM, ASSOCIATED LIGHT FIXTURES, FIRE PROTECTION DEVICES, AND MECHANICAL FIXTURES.
6	REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. COORDINATE WITH NEW PLUMBING WORK AT THIS LOCATION. CAP AND TERMINATE EXISTING LINES IN WALL WHERE NEW FIXTURES ARE NOT INSTALLED.
7	ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES.
8	PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
9	TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
10	PERFORMED IN THIS ROOM. PROTECT EXISTING FINISHES TO REMAIN.
12	PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS REQUIRED DURING CONSTRUCTION.
13	ENVIRONMENTAL UNIT AND ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES. PROTECT AND SUPPORT ALL EXISTING CASEWORK.
14	EQUIPMENT, AND FINISHES TO REMAIN DURING CONSTRUCTION ACTIVITIES. REMOVE EXISTING GYPSUM BOARD SHEATHING AND/OR
	FINISH FROM METAL FRAMING AT ALL WALL AND CEILING LOCATIONS. REMOVE AND REINSTALL ANY WALL- AND/OR CEILING-MOUNTED ITEMS FOLLOWING INSTALLATION OF NEW GYPSUM BOARD FINISHES.
15	DEMOLISH EXISTING LOUVER. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
16	PROTECT EXISTING LAB CASEWORK DURING DEMOLITION WORK, TYPICAL
17 18	DEMOLISH EXISTING ALUMINUM COPING CAP
19	DEMOLISH EXISTING BRICK AND/OR EIFS WALL. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS REQUIRED DURING CONSTRUCTION.
20	DEMOLISH EXISTING ELEVATOR CAB WALLS, CEILING, AND FLOOR FINISH. PREP REMAINING INFRASTRUCTURE TO RECEIVE NEW FINISHES. COORDINATE EXTENT OF DEMOLITION AS NECESSARY TO ACCOMMODATE ELEVATOR FIT UP SCOPE.
21	EXISTING ELEVATOR SHAFT TO REMAIN.
22	MECHANICAL ROOM DEMOLITION.
23	EXISTING PRECAST DOOR OPENING TO BE ENLARGED. COORDINATE NEW ROUGH OPENING SIZE TO ACCOMMODATE A 4'-4" DOOR. SEE DOOR 300A IN THE DOOR SCHEDULE FOR MORE INFORMATION
24	EXISTING LEVEL 04 PRECAST ENVELOPE TO REMAIN -
25	CLEANLY CUT, DEMOLISH, AND REMOVE MASONRY TO ACCOMMODATE NEW DOOR OPENING AT THIS LOCATION. REFER TO NEW PLANS AND THE DOOR SCHEDULE FOR SIZE AND FRAME INFORMATION. REFER TO S-SERIES DRAWINGS FOR LINTEL INFORMATION
26	DEMOLISH EXISTING HOISTWAY DOOR, FRAME, AND SILL. CUT AND PATCH EXISTING WALL AND SILL AS REQUIRED FOR NEW ELEVATOR DOOR, FRAME, AND SILL ASSEMBLY. REFER TO SPECIFICATION 14 2000 "ELEVATOR MODIFICATIONS" FOR MORE INFORMATION.
27	DEMOLISH EXISTING LAB CASEWORK AND ALL ASSOCIATED FIXTURES.
28 29	REMOVE RUBBER TREADS AND RISERS AT STAIR. STAIR STRUCTURE TO REMAIN. REMOVE RESIDUAL RESIDUE AND PREP SURFACES TO RECEIVE NEW FINISHES.
30	NEATLY REMOVE EXISTING FLOOR FINISH AND CEILING TILE IN THIS AREA. ALL OTHER FLOOR AND CEILING FINISHES IN THIS SPACE TO REMAIN. PREP EFFECTED SURFACES TO RECEIVE NEW FINISHES.
32	DEMOLISH SHAFT WALL AND CEILING AS NECESSARY FOR SELECTIVE MEP DEMOLITION. CAREFULLY REMOVE WALL PROTECTION AND STORE FOR REINSTALLATION. CAREFULLY REMOVE CEIING TILES AS NEEDED AND STORE FOR REINSTALLATION. PATCH WALLS WITH 2-HOUR RATED SHAFT WALL ASSEMBLY. REPAINT ENTIRE WALL FACE WITH EPOXY INTERIOR PAINT.
33	REMOVE EIFS SOFFIT AND ALL RELATED SUBFRAMING FRAMING MEMBERS.
34	REFER TO MEP SHEETS FOR EXTENTS OF ROOF EQUIPMENT DEMOLITION.
35	REFER TO STRUCTURAL SHEETS FOR EXTENTS OF ROOF SLAB DEMOLITION.
36	REFER TO STRUCTURAL FOR EXTENTS OF PRE-CAST TO REMAI.
	EXISTING CONSTRUCTION TO REMAIN

- EXTENTS WHERE FINISHES (FLOOR, CEILING, WALL, ETC) ARE LIKELY TO BE DAMAGED BY FACADE REPLACEMENT - CONTRACTOR TO PROTECT EXISTING TO REMAIN ITEMS IN THIS
- ZONE FROM DAMAGE TO THE GREATEST EXTENT POSSIBLE. ALL DAMAGED ITEMS SHALL BE REPLACED TO MATCH ADJACENT FINISHES. EXISTING DOOR AND FRAME TO BE DEMOLISHED
- TEXISTING DOOR AND FRAME TO REMAIN

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REVISIONS

LEVEL 03 DEMOLITION PLAN

DEMOLITION LEGEND

- 1 DEMOLISH INTERIOR GYPSUM BOARD PARTITION WALLS. ALL WALLS TO BE DEMOLISHED EXTEND FROM THE FLOOR TO THE UNDERSIDE OF STRUCTURE ABOVE. ALL MISCELLANEOUS ACCESSORIES MOUNTED TO WALLS, AS WELL AS DOORS, DOOR FRAMES, DOOR HARDWARE, CONDUIT, AND PIPE ARE TO BE DEMOLISHED AS PART OF
- THE WALL DEMOLITION. 2 REMOVE EXISTING CARPET AND RESILIENT BASE. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
- 3 REMOVE EXISTING CERAMIC WALL AND/OR FLOOR TILE. PREPARE FLOOR SURFACES TO RECEIVE NEW FINISHES. ABATEMENT OF EXISTING RESILIENT FLOOR TILE AND
- BASE WILL BE PERFORMED PRIOR TO THE START OF THIS CONTRACT. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
- 5 REMOVE EXISTING CEILING INCLUDING SUSPENSION SYSTEM, ASSOCIATED LIGHT FIXTURES, FIRE
- PROTECTION DEVICES, AND MECHANICAL FIXTURES. 6 REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. COORDINATE WITH NEW PLUMBING WORK AT THIS LOCATION. CAP AND TERMINATE EXISTING LINES
- IN WALL WHERE NEW FIXTURES ARE NOT INSTALLED. 7 DEMOLISH EXISTING WALK-IN REFRIGERATION UNIT AND ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES.
- 8 REMOVE EXISTING EXTERIOR STOREFRONT FRAME. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
- 9 REMOVE EXISTING EXTERIOR DOOR. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
- 10 NO ARCHITECTURAL DEMOLITION WORK TO BE PERFORMED IN THIS ROOM. PROTECT EXISTING FINISHES TO REMAIN.
- 11 DEMOLISH EXISTING PRECAST CONCRETE PANELS. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS
- REQUIRED DURING CONSTRUCTION. 12 DEMOLISH EXISTING TWO-COMPARTMENT ENVIRONMENTAL UNIT AND ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES.
- 13 PROTECT AND SUPPORT ALL EXISTING CASEWORK, EQUIPMENT, AND FINISHES TO REMAIN DURING CONSTRUCTION ACTIVITIES.
- 14 REMOVE EXISTING GYPSUM BOARD SHEATHING AND/OR FINISH FROM METAL FRAMING AT ALL WALL AND CEILING LOCATIONS. REMOVE AND REINSTALL ANY WALL- AND/OR CEILING-MOUNTED ITEMS FOLLOWING INSTALLATION OF NEW GYPSUM BOARD FINISHES.
- 15 DEMOLISH EXISTING LOUVER. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
- 16 PROTECT EXISTING LAB CASEWORK DURING DEMOLITION WORK, TYPICAL 17 DEMOLISH EXISTING ALUMINUM COPING CAP
- 18 DEMOLISH EXISTING BUILDING EXPANSION JOINT COVER. 19 DEMOLISH EXISTING BRICK AND/OR EIFS WALL. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS REQUIRED DURING CONSTRUCTION.
- 20 DEMOLISH EXISTING ELEVATOR CAB WALLS, CEILING, AND FLOOR FINISH. PREP REMAINING INFRASTRUCTURE TO RECEIVE NEW FINISHES. COORDINATE EXTENT OF DEMOLITION AS NECESSARY TO ACCOMMODATE
- ELEVATOR FIT UP SCOPE. 21 EXISTING ELEVATOR SHAFT TO REMAIN.
- 22 REFER TO MEP DEMOLITION DRAWINGS FOR EXTENTS OF MECHANICAL ROOM DEMOLITION. 23 EXISTING PRECAST DOOR OPENING TO BE ENLARGED. COORDINATE NEW ROUGH OPENING SIZE TO
- ACCOMMODATE A 4'-4" DOOR. SEE DOOR 300A IN THE DOOR SCHEDULE FOR MORE INFORMATION. 24 EXISTING LEVEL 04 PRECAST ENVELOPE TO REMAIN · 1979 SIDE, TYPICAL
- 25 CLEANLY CUT, DEMOLISH, AND REMOVE MASONRY TO ACCOMMODATE NEW DOOR OPENING AT THIS LOCATION. REFER TO NEW PLANS AND THE DOOR SCHEDULE FOR SIZE AND FRAME INFORMATION. REFER TO S-SERIES DRAWINGS FOR LINTEL INFORMATION.
- 26 DEMOLISH EXISTING HOISTWAY DOOR, FRAME, AND SILL CUT AND PATCH EXISTING WALL AND SILL AS REQUIRED FOR NEW ELEVATOR DOOR, FRAME, AND SILL ASSEMBLY. **REFER TO SPECIFICATION 14 2000 "ELEVATOR** MODIFICATIONS" FOR MORE INFORMATION. 27 DEMOLISH EXISTING LAB CASEWORK AND ALL
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- 28 PROTECT EXISTING HALL CALL STATION TO REMAIN 29 REMOVE RUBBER TREADS AND RISERS AT STAIR. STAIR STRUCTURE TO REMAIN. REMOVE RESIDUAL RESIDUE AND PREP SURFACES TO RECEIVE NEW FINISHES.
- 30 NEATLY REMOVE EXISTING FLOOR FINISH AND CEILING TILE IN THIS AREA. ALL OTHER FLOOR AND CEILING FINISHES IN THIS SPACE TO REMAIN. PREP EFFECTED SURFACES TO RECEIVE NEW FINISHES.
- 32 DEMOLISH SHAFT WALL AND CEILING AS NECESSARY FOR SELECTIVE MEP DEMOLITION. CAREFULLY REMOVE WALL PROTECTION AND STORE FOR REINSTALLATION. CAREFULLY REMOVE CEIING TILES AS NEEDED AND STORE FOR REINSTALLATION. PATCH WALLS WITH 2-HOUR RATED SHAFT WALL ASSEMBLY. REPAINT ENTIRE
- WALL FACE WITH EPOXY INTERIOR PAINT. 33 REMOVE EIFS SOFFIT AND ALL RELATED SUBFRAMING
- FRAMING MEMBERS. 34 REFER TO MEP SHEETS FOR EXTENTS OF ROOF
- EQUIPMENT DEMOLITION. 35 REFER TO STRUCTURAL SHEETS FOR EXTENTS OF ROOF SLAB DEMOLITION.
- 36 REFER TO STRUCTURAL FOR EXTENTS OF PRE-CAST TO REMAL
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXTENTS WHERE FINISHES (FLOOR, CEILING, WALL, ETC) ARE LIKELY TO BE DAMAGED BY FACADE RÉPLACEMENT - CONTRACTOR TO PROTECT EXISTING TO REMAIN ITEMS IN THIS ZONE FROM DAMAGE TO THE GREATEST EXTENT POSSIBLE. ALL DAMAGED ITEMS SHALL
- BE REPLACED TO MATCH ADJACENT FINISHES. EXISTING DOOR AND FRAME TO BE DEMOLISHED
- TEXISTING DOOR AND FRAME TO REMAIN

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REVISIONS

LEVEL 04 DEMOLITION PLAN

Sanders Brown Center on Aging Exterior Skin/Openings Level 04

MATERIAL/CONTAMINATED MATERIAL, NOTIFY THE CONSTRUCTION MANAGER OF THE DISCOVERY AND IMMEDIATELY STOP WORK. REPORT FINDINGS TO OWNER IN WRITING AND DO NOT RESUME WORK UNTIL MITIGATION APPROACH IS IDENTIFIED.

SEE MEP AND SITE SHEETS FOR EXTENT OF SLAB TRENCHING AND CUTTING. REFER TO SHEETS L-1.0, S-2.1a, FP2.1, FP3.1, P2.0a, AND P3.0a FOR MORE INFORMATION.

DEMOLITION IMPACTING THE 1996 ADDITION IS LIMITED TO THE BUILDING ENVELOPE AND ADJACENT FINISHES AS NECESSARY FOR ENVELOPE DEMOLITION. PROVIDE A CLEAN LINE OF DEMOLITION SO THAT NEW FINISHES MAY BE BUILT BACK WITH A NEATLY DEFINED TRANSITION.

REMOVE AND PROTECT EXISTING LAY-IN ACOUSTIC CEILING TILE AND LIGHT FIXTURES EFFECTED BY CONTROLS WORK. REFER TO MEP SHEETS FOR EXTENT OF CONTROLS SCOPE.

DEMOLITION ACTIVITIES. PRIOR TO REMOVAL.

PROTECT EXISTING RESINOUS FLOOR AND INTEGRAL COVE ALL FLOOR SURFACES TO BE PROPERLY PREPPED FOR BASE IN THE LEVEL 04 VIVARIUM FROM SELECTIVE

RELOCATED OR DEMOLISHED ALONG PERIMETER WALLS. DEMO SUBCONTRACTOR TO COORDINATE REMOVAL OF EXTERIOR SKIN ELEMENTS WITH CONSTRUCTION MANAGER

REMOVE ALL FLOORING MATERIAL AND ADHESIVE WHERE NOT ALREADY REMOVED BY OWNER AS PART OF THE HAZARDOUS MATERIALS REMOVAL.

DEMOLITION LEGEND

1 DEMOLISH INTERIOR GYPSUM BOARD PARTITION WALLS.

	ALL WALLS TO BE DEMOLISHED EXTEND FROM THE FLOOR TO THE UNDERSIDE OF STRUCTURE ABOVE. ALL MISCELLANEOUS ACCESSORIES MOUNTED TO WALLS, AS WELL AS DOORS, DOOR FRAMES, DOOR HARDWARE, CONDUIT, AND PIPE ARE TO BE DEMOLISHED AS PART OF THE WALL DEMOLITION.
2	REMOVE EXISTING CARPET AND RESILIENT BASE. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
3	REMOVE EXISTING CERAMIC WALL AND/OR FLOOR TILE. PREPARE FLOOR SURFACES TO RECEIVE NEW FINISHES.
4	ABATEMENT OF EXISTING RESILIENT FLOOR TILE AND BASE WILL BE PERFORMED PRIOR TO THE START OF THIS CONTRACT. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
5	REMOVE EXISTING CEILING INCLUDING SUSPENSION SYSTEM, ASSOCIATED LIGHT FIXTURES, FIRE PROTECTION DEVICES, AND MECHANICAL FIXTURES.
6	REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. COORDINATE WITH NEW PLUMBING WORK AT THIS LOCATION. CAP AND TERMINATE EXISTING LINES IN WALL WHERE NEW FIXTURES ARE NOT INSTALLED.
7	DEMOLISH EXISTING WALK-IN REFRIGERATION UNIT AND ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES.
8	REMOVE EXISTING EXTERIOR STOREFRONT FRAME. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
9	REMOVE EXISTING EXTERIOR DOOR. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
10	NO ARCHITECTURAL DEMOLITION WORK TO BE PERFORMED IN THIS ROOM. PROTECT EXISTING FINISHES TO REMAIN.

- 11 DEMOLISH EXISTING PRECAST CONCRETE PANELS. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS REQUIRED DURING CONSTRUCTION.
- 12 DEMOLISH EXISTING TWO-COMPARTMENT ENVIRONMENTAL UNIT AND ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES.
- 13 PROTECT AND SUPPORT ALL EXISTING CASEWORK, EQUIPMENT, AND FINISHES TO REMAIN DURING CONSTRUCTION ACTIVITIES.
- 14 REMOVE EXISTING GYPSUM BOARD SHEATHING AND/OR FINISH FROM METAL FRAMING AT ALL WALL AND CEILING LOCATIONS. REMOVE AND REINSTALL ANY WALL- AND/OR CEILING-MOUNTED ITEMS FOLLOWING INSTALLATION OF NEW GYPSUM BOARD FINISHES.
- 15 DEMOLISH EXISTING LOUVER. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE. 16 PROTECT EXISTING LAB CASEWORK DURING DEMOLITION
- WORK, TYPICAL 17 DEMOLISH EXISTING ALUMINUM COPING CAP 18 DEMOLISH EXISTING BUILDING EXPANSION JOINT COVER.
- 19 DEMOLISH EXISTING BRICK AND/OR EIFS WALL. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS REQUIRED DURING CONSTRUCTION.
- 20 DEMOLISH EXISTING ELEVATOR CAB WALLS, CEILING, AND FLOOR FINISH. PREP REMAINING INFRASTRUCTURE TO RECEIVE NEW FINISHES. COORDINATE EXTENT OF DEMOLITION AS NECESSARY TO ACCOMMODATE
- ELEVATOR FIT UP SCOPE. 21 EXISTING ELEVATOR SHAFT TO REMAIN. 22 REFER TO MEP DEMOLITION DRAWINGS FOR EXTENTS OF
- MECHANICAL ROOM DEMOLITION. 23 EXISTING PRECAST DOOR OPENING TO BE ENLARGED. COORDINATE NEW ROUGH OPENING SIZE TO ACCOMMODATE A 4'-4" DOOR. SEE DOOR 300A IN THE
- DOOR SCHEDULE FOR MORE INFORMATION. 24 EXISTING LEVEL 04 PRECAST ENVELOPE TO REMAIN 1979 SIDE, TYPICAL
- 25 CLEANLY CUT, DEMOLISH, AND REMOVE MASONRY TO ACCOMMODATE NEW DOOR OPENING AT THIS LOCATION. REFER TO NEW PLANS AND THE DOOR SCHEDULE FOR SIZE AND FRAME INFORMATION. REFER TO S-SERIES DRAWINGS FOR LINTEL INFORMATION.
- 26 DEMOLISH EXISTING HOISTWAY DOOR. FRAME, AND SILL. CUT AND PATCH EXISTING WALL AND SILL AS REQUIRED FOR NEW ELEVATOR DOOR, FRAME, AND SILL ASSEMBLY. REFER TO SPECIFICATION 14 2000 "ELEVATOR MODIFICATIONS" FOR MORE INFORMATION. 27 DEMOLISH EXISTING LAB CASEWORK AND ALL
- ASSOCIATED FIXTURES. 28 PROTECT EXISTING HALL CALL STATION TO REMAIN
- 29 REMOVE RUBBER TREADS AND RISERS AT STAIR. STAIR STRUCTURE TO REMAIN. REMOVE RESIDUAL RESIDUE AND PREP SURFACES TO RECEIVE NEW FINISHES. 30 NEATLY REMOVE EXISTING FLOOR FINISH AND CEILING
- TILE IN THIS AREA. ALL OTHER FLOOR AND CEILING FINISHES IN THIS SPACE TO REMAIN. PREP EFFECTED SURFACES TO RECEIVE NEW FINISHES.
- 32 DEMOLISH SHAFT WALL AND CEILING AS NECESSARY FOR SELECTIVE MEP DEMOLITION. CAREFULLY REMOVE WALL PROTECTION AND STORE FOR REINSTALLATION. CAREFULLY REMOVE CEIING TILES AS NEEDED AND STORE FOR REINSTALLATION. PATCH WALLS WITH 2-HOUR RATED SHAFT WALL ASSEMBLY. REPAINT ENTIRE
- WALL FACE WITH EPOXY INTERIOR PAINT. 33 REMOVE EIFS SOFFIT AND ALL RELATED SUBFRAMING
- FRAMING MEMBERS. 34 REFER TO MEP SHEETS FOR EXTENTS OF ROOF
- EQUIPMENT DEMOLITION. 35 REFER TO STRUCTURAL SHEETS FOR EXTENTS OF ROOF
- SLAB DEMOLITION. 36 REFER TO STRUCTURAL FOR EXTENTS OF PRE-CAST TO REMAL
- EXISTING CONSTRUCTION TO REMAIN EXISTING WALL TO BE DEMOLISHED
- EXTENTS WHERE FINISHES (FLOOR, CEILING, WALL, ETC) ARE LIKELY TO BE DAMAGED BY FACADE REPLACEMENT - CONTRACTOR TO PROTECT EXISTING TO REMAIN ITEMS IN THIS ZONE FROM DAMAGE TO THE GREATEST EXTENT POSSIBLE. ALL DAMAGED ITEMS SHALL BE REPLACED TO MATCH ADJACENT FINISHES. ¹ EXISTING DOOR AND FRAME TO BE DEMOLISHED

[®] EXISTING DOOR AND FRAME TO REMAIN

IMPERFECTIONS FLUSH WITH THE SURROUNDING REFER TO MEP DRAWINGS FOR SCOPE OF SERVICES TO BE CONCRETE FLOOR SLAB, AND PATCH ALL DEPRESSIONS, HOLES, ETC. TYPICAL.

NEW FLOORING FINISHES, TYPICAL. CONTRACTOR TO

REMOVE ALL RESIDUAL MORTAR/RESIDUE, GRIND

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LEVEL 04 DEMOLITION PLAN

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ngs	THE OWNER HAS REMEDIA PRIOR TO THE START OF	ATED HAZARDOUS MATERIA THIS PROJECT. IN THE EVEN	IA, FP2.1, FP3.1, P2.0)RMATION. IOLITION IMPACTING THE BUILDING ENVEL ALS AS NECESSARY FOR EN NT CLEAN LINE OF DEMOLT	THE 1996 ADDITION IS LIMIT LOPE AND ADJACENT FINISH VELOPE DEMOLITION. PROV	EDEMOLITIO REFER TO RELOCATE IES IDE A DEMO SUB S EXTERIOR
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OR OTHER CLASSIFIED HAZARDOUS MATERIAL/CONTAMINATED MATERIAL, NOTIFY THE CONSTRUCTION MANAGER OF THE DISCOVERY AND IMMEDIATELY STOP WORK. REPORT FINDINGS TO OWNER IN WRITING AND DO NOT RESUME WORK UNTIL MITIGATION APPROACH IS IDENTIFIED.

REMOVE AND PROTECT EXISTING LAY-IN ACOUSTIC CEILING TILE AND LIGHT FIXTURES EFFECTED BY CONTROLS WORK. REFER TO MEP SHEETS FOR EXTENT OF CONTROLS SCOPE.

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D OR DEMOLISHED ALONG PERIMETER WALLS. CONTRACTOR TO COORDINATE REMOVAL OF SKIN ELEMENTS WITH CONSTRUCTION MANAGER REMOVAL.

REMOVE ALL FLOORING MATERIAL AND ADHESIVE WHERE NOT ALREADY REMOVED BY OWNER AS PART OF THE HAZARDOUS MATERIALS REMOVAL.

NEW FLOORING FINISHES, TYPICAL. CONTRACTOR TO REMOVE ALL RESIDUAL MORTAR/RESIDUE, GRIND IMPERFECTIONS FLUSH WITH THE SURROUNDING MEP DRAWINGS FOR SCOPE OF SERVICES TO BE CONCRETE FLOOR SLAB, AND PATCH ALL DEPRESSIONS, HOLES, ETC. TYPICAL.

DEMOLITION LEGEND (#)

- 1 DEMOLISH INTERIOR GYPSUM BOARD PARTITION WALLS ALL WALLS TO BE DEMOLISHED EXTEND FROM THE FLOOR TO THE UNDERSIDE OF STRUCTURE ABOVE. ALL MISCELLANEOUS ACCESSORIES MOUNTED TO WALLS, AS WELL AS DOORS, DOOR FRAMES, DOOR HARDWARE, CONDUIT, AND PIPE ARE TO BE DEMOLISHED AS PART OF
- THE WALL DEMOLITION. 2 REMOVE EXISTING CARPET AND RESILIENT BASE. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW
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- 4 ABATEMENT OF EXISTING RESILIENT FLOOR TILE AND BASE WILL BE PERFORMED PRIOR TO THE START OF THIS CONTRACT. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
- 5 REMOVE EXISTING CEILING INCLUDING SUSPENSION SYSTEM, ASSOCIATED LIGHT FIXTURES, FIRE PROTECTION DEVICES, AND MECHANICAL FIXTURES.
- 6 REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. COORDINATE WITH NEW PLUMBING WORK AT THIS LOCATION. CAP AND TERMINATE EXISTING LINES IN WALL WHERE NEW FIXTURES ARE NOT INSTALLED.
- 7 DEMOLISH EXISTING WALK-IN REFRIGERATION UNIT AND ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES. 8 REMOVE EXISTING EXTERIOR STOREFRONT FRAME.
- PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE. 9 REMOVE EXISTING EXTERIOR DOOR, PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL
- PERMANENT CONSTRUCTION IS IN PLACE. 10 NO ARCHITECTURAL DEMOLITION WORK TO BE PERFORMED IN THIS ROOM. PROTECT EXISTING FINISHES
- TO REMAIN. 11 DEMOLISH EXISTING PRECAST CONCRETE PANELS. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS
- REQUIRED DURING CONSTRUCTION. 12 DEMOLISH EXISTING TWO-COMPARTMENT
- ENVIRONMENTAL UNIT AND ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES. 13 PROTECT AND SUPPORT ALL EXISTING CASEWORK, EQUIPMENT, AND FINISHES TO REMAIN DURING
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- 15 DEMOLISH EXISTING LOUVER. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
- 16 PROTECT EXISTING LAB CASEWORK DURING DEMOLITION WORK, TYPICAL 17 DEMOLISH EXISTING ALUMINUM COPING CAP 18 DEMOLISH EXISTING BUILDING EXPANSION JOINT COVER.
- 19 DEMOLISH EXISTING BRICK AND/OR EIFS WALL. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS REQUIRED DURING CONSTRUCTION.
- 20 DEMOLISH EXISTING ELEVATOR CAB WALLS, CEILING, ANI FLOOR FINISH. PREP REMAINING INFRASTRUCTURE TO RECEIVE NEW FINISHES. COORDINATE EXTENT OF DEMOLITION AS NECESSARY TO ACCOMMODATE ELEVATOR FIT UP SCOPE.
- 21 EXISTING ELEVATOR SHAFT TO REMAIN. 22 REFER TO MEP DEMOLITION DRAWINGS FOR EXTENTS OF
- MECHANICAL ROOM DEMOLITION. 23 EXISTING PRECAST DOOR OPENING TO BE ENLARGED. COORDINATE NEW ROUGH OPENING SIZE TO ACCOMMODATE A 4'-4" DOOR. SEE DOOR 300A IN THE
- DOOR SCHEDULE FOR MORE INFORMATION. 24 EXISTING LEVEL 04 PRECAST ENVELOPE TO REMAIN -1979 SIDE, TYPICAL
- 25 CLEANLY CUT, DEMOLISH, AND REMOVE MASONRY TO ACCOMMODATE NEW DOOR OPENING AT THIS LOCATION. REFER TO NEW PLANS AND THE DOOR SCHEDULE FOR SIZE AND FRAME INFORMATION. REFER TO S-SERIES DRAWINGS FOR LINTEL INFORMATION.
- 26 DEMOLISH EXISTING HOISTWAY DOOR. FRAME. AND SILL CUT AND PATCH EXISTING WALL AND SILL AS REQUIRED FOR NEW ELEVATOR DOOR, FRAME, AND SILL ASSEMBLY REFER TO SPECIFICATION 14 2000 "ELEVATOR MODIFICATIONS" FOR MORE INFORMATION. 27 DEMOLISH EXISTING LAB CASEWORK AND ALL
- ASSOCIATED FIXTURES. 28 PROTECT EXISTING HALL CALL STATION TO REMAIN
- 29 REMOVE RUBBER TREADS AND RISERS AT STAIR. STAIR STRUCTURE TO REMAIN. REMOVE RESIDUAL RESIDUE AND PREP SURFACES TO RECEIVE NEW FINISHES.
- 30 NEATLY REMOVE EXISTING FLOOR FINISH AND CEILING TILE IN THIS AREA. ALL OTHER FLOOR AND CEILING FINISHES IN THIS SPACE TO REMAIN. PREP EFFECTED SURFACES TO RECEIVE NEW FINISHES.
- 32 DEMOLISH SHAFT WALL AND CEILING AS NECESSARY FOR SELECTIVE MEP DEMOLITION. CAREFULLY REMOVE WALL PROTECTION AND STORE FOR REINSTALLATION. CAREFULLY REMOVE CEIING TILES AS NEEDED AND STORE FOR REINSTALLATION. PATCH WALLS WITH 2-HOUR RATED SHAFT WALL ASSEMBLY. REPAINT ENTIRE
- WALL FACE WITH EPOXY INTERIOR PAINT. 33 REMOVE EIFS SOFFIT AND ALL RELATED SUBFRAMING
- FRAMING MEMBERS. 34 REFER TO MEP SHEETS FOR EXTENTS OF ROOF
- EQUIPMENT DEMOLITION. 35 REFER TO STRUCTURAL SHEETS FOR EXTENTS OF ROOF SLAB DEMOLITION.
- 36 REFER TO STRUCTURAL FOR EXTENTS OF PRE-CAST TO REMAI.
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXTENTS WHERE FINISHES (FLOOR, CEILING, WALL, ETC) ARE LIKELY TO BE DAMAGED BY FACADE RÉPLACEMENT - CONTRACTOR TO PROTECT EXISTING TO REMAIN ITEMS IN THIS
- ZONE FROM DAMAGE TO THE GREATEST EXTENT POSSIBLE. ALL DAMAGED ITEMS SHALL BE REPLACED TO MATCH ADJACENT FINISHES. TEXISTING DOOR AND FRAME TO BE DEMOLISHED
- Texisting door and frame to remain

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DATE

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01/09/2023 **100% CONSTRUCTION DOCUMENTS**

REVISIONS

PENTHOUSE AND ROOF **DEMOLITION PLAN**

Penthouse/Roof

PROTECT EXISTING RESINOUS FLOOR AND INTEGRAL COVE ALL FLOOR SURFACES TO BE PROPERLY PREPPED FOR BASE IN THE LEVEL 04 VIVARIUM FROM SELECTIVE

RELOCATED OR DEMOLISHED ALONG PERIMETER WALLS. DEMO SUBCONTRACTOR TO COORDINATE REMOVAL OF EXTERIOR SKIN ELEMENTS WITH CONSTRUCTION MANAGER

REMOVE ALL FLOORING MATERIAL AND ADHESIVE WHERE NOT ALREADY REMOVED BY OWNER AS PART OF THE HAZARDOUS MATERIALS REMOVAL.

NEW FLOORING FINISHES, TYPICAL. CONTRACTOR TO REMOVE ALL RESIDUAL MORTAR/RESIDUE, GRIND IMPERFECTIONS FLUSH WITH THE SURROUNDING REFER TO MEP DRAWINGS FOR SCOPE OF SERVICES TO BE CONCRETE FLOOR SLAB, AND PATCH ALL DEPRESSIONS. HOLES, ETC. TYPICAL.

DEMOLITION LEGEND (#)

- 1 DEMOLISH INTERIOR GYPSUM BOARD PARTITION WALLS ALL WALLS TO BE DEMOLISHED EXTEND FROM THE FLOOR TO THE UNDERSIDE OF STRUCTURE ABOVE. ALL MISCELLANEOUS ACCESSORIES MOUNTED TO WALLS, AS WELL AS DOORS, DOOR FRAMES, DOOR HARDWARE, CONDUIT, AND PIPE ARE TO BE DEMOLISHED AS PART OF
- THE WALL DEMOLITION. 2 REMOVE EXISTING CARPET AND RESILIENT BASE. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW
- FINISHES. REMOVE EXISTING CERAMIC WALL AND/OR FLOOR TILE. PREPARE FLOOR SURFACES TO RECEIVE NEW FINISHES.
- 4 ABATEMENT OF EXISTING RESILIENT FLOOR TILE AND BASE WILL BE PERFORMED PRIOR TO THE START OF THIS CONTRACT. PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW FINISHES.
- 5 REMOVE EXISTING CEILING INCLUDING SUSPENSION SYSTEM, ASSOCIATED LIGHT FIXTURES, FIRE PROTECTION DEVICES, AND MECHANICAL FIXTURES.
- 6 REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. COORDINATE WITH NEW PLUMBING WORK AT THIS LOCATION. CAP AND TERMINATE EXISTING LINES IN WALL WHERE NEW FIXTURES ARE NOT INSTALLED. 7 DEMOLISH EXISTING WALK-IN REFRIGERATION UNIT AND
- ALL ACCOMPANYING POWER, LIGHTING AND ACCESSORIES. 8 REMOVE EXISTING EXTERIOR STOREFRONT FRAME.
- PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE. 9 REMOVE EXISTING EXTERIOR DOOR, PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL
- PERMANENT CONSTRUCTION IS IN PLACE. 10 NO ARCHITECTURAL DEMOLITION WORK TO BE PERFORMED IN THIS ROOM. PROTECT EXISTING FINISHES
- TO REMAIN. 11 DEMOLISH EXISTING PRECAST CONCRETE PANELS. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS
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- WALL FACE WITH EPOXY INTERIOR PAINT. 33 REMOVE EIFS SOFFIT AND ALL RELATED SUBFRAMING FRAMING MEMBERS.
- 34 REFER TO MEP SHEETS FOR EXTENTS OF ROOF EQUIPMENT DEMOLITION.
- 35 REFER TO STRUCTURAL SHEETS FOR EXTENTS OF ROOF SLAB DEMOLITION.
- 36 REFER TO STRUCTURAL FOR EXTENTS OF PRE-CAST TO REMAI
- EXISTING CONSTRUCTION TO REMAIN
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- EXTENTS WHERE FINISHES (FLOOR, CEILING, WALL, ETC) ARE LIKELY TO BE DAMAGED BY FACADE RÉPLACEMENT - CONTRACTOR TO
- PROTECT EXISTING TO REMAIN ITEMS IN THIS ZONE FROM DAMAGE TO THE GREATEST
- EXTENT POSSIBLE. ALL DAMAGED ITEMS SHALL BE REPLACED TO MATCH ADJACENT FINISHES. TEXISTING DOOR AND FRAME TO BE DEMOLISHED
- Texisting door and frame to remain

PENTHOUSE **DEMOLITION PLAN**

REVISIONS

DATE 01/09/2023 **100% CONSTRUCTION DOCUMENTS**

PROJECT NUMBER UK: 2571.0 **OMNI: 2133**

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Exterior Skin/Openings

AZARDOUS MATERIALS OJECT. IN THE EVENT LY ENCOUNTERS OR OTHER CLASSIFIED HAZARDOUS MATERIAL/CONTAMINATED MATERIAL, NOTIFY THE CONSTRUCTION MANAGER OF THE DISCOVERY AND IMMEDIATELY STOP WORK. REPORT FINDINGS TO OWNER IN WRITING AND DO NOT RESUME WORK UNTIL MITIGATION APPROACH IS IDENTIFIED.

ATION AND MAY NOT

LE DURING THE BID

CESS TO THE

TRENCHING AND CUTTING. REFER TO SHEETS L-1.0, S-2.1a, FP2.1, FP3.1, P2.0a, AND P3.0a FOR MORE INFORMATION.

DEMOLITION ACTIVITIES.

PRIOR TO REMOVAL.

HAZARDOUS MATERIALS REMOVAL.

DEMOLITION IMPACTING THE 1996 ADDITION IS LIMITED TO THE BUILDING ENVELOPE AND ADJACENT FINISHES AS NECESSARY FOR ENVELOPE DEMOLITION. PROVIDE A CLEAN LINE OF DEMOLITION SO THAT NEW FINISHES MAY BE BUILT BACK WITH A NEATLY DEFINED TRANSITION.

REMOVE AND PROTECT EXISTING LAY-IN ACOUSTIC CEILING TILE AND LIGHT FIXTURES EFFECTED BY CONTROLS WORK. REFER TO MEP SHEETS FOR EXTENT OF CONTROLS SCOPE.

TRUE NORTH

EXISTING MASONRY TO BE DEMOLISHED

- EXISTING CONSTRUCTION TO REMAIN EXISTING CONSTRUCTION TO BE DEMOLISHED

ASSOCIATED FIXTURES. 28 PROTECT EXISTING HALL CALL STATION TO REMAIN 29 REMOVE RUBBER TREADS AND RISERS AT STAIR. STAIR STRUCTURE TO REMAIN. REMOVE RESIDUAL RESIDUE AND PREP SURFACES TO RECEIVE NEW FINISHES.

30 NEATLY REMOVE EXISTING FLOOR FINISH AND CEILING

TILE IN THIS AREA. ALL OTHER FLOOR AND CEILING

FINISHES IN THIS SPACE TO REMAIN. PREP EFFECTED

32 DEMOLISH SHAFT WALL AND CEILING AS NECESSARY FOR

PROTECTION AND STORE FOR REINSTALLATION.

CAREFULLY REMOVE CEIING TILES AS NEEDED AND STORE FOR REINSTALLATION. PATCH WALLS WITH

33 REMOVE EIFS SOFFIT AND ALL RELATED SUBFRAMING

35 REFER TO STRUCTURAL SHEETS FOR EXTENTS OF ROOF

36 REFER TO STRUCTURAL FOR EXTENTS OF PRE-CAST TO

SELECTIVE MEP DEMOLITION. CAREFULLY REMOVE WALL

2-HOUR RATED SHAFT WALL ASSEMBLY. REPAINT ENTIRE

27 DEMOLISH EXISTING LAB CASEWORK AND ALL

SURFACES TO RECEIVE NEW FINISHES.

WALL FACE WITH EPOXY INTERIOR PAINT.

34 REFER TO MEP SHEETS FOR EXTENTS OF ROOF

FRAMING MEMBERS.

SLAB DEMOLITION.

REMA

REMOVE ALL RESIDUAL MORTAR/RESIDUE, GRIND

IMPERFECTIONS FLUSH WITH THE SURROUNDING

REFER TO MEP DRAWINGS FOR SCOPE OF SERVICES TO BE CONCRETE FLOOR SLAB, AND PATCH ALL DEPRESSIONS,

RELOCATED OR DEMOLISHED ALONG PERIMETER WALLS. HOLES, ETC. TYPICAL.

DEMO SUBCONTRACTOR TO COORDINATE REMOVAL OF

EXTERIOR SKIN ELEMENTS WITH CONSTRUCTION MANAGER

REMOVE ALL FLOORING MATERIAL AND ADHESIVE WHERE

NOT ALREADY REMOVED BY OWNER AS PART OF THE

EQUIPMENT DEMOLITION.

- **REFER TO SPECIFICATION 14 2000 "ELEVATOR** MODIFICATIONS" FOR MORE INFORMATION.
- SIZE AND FRAME INFORMATION. REFER TO S-SERIES DRAWINGS FOR LINTEL INFORMATION. 26 DEMOLISH EXISTING HOISTWAY DOOR, FRAME, AND SILL CUT AND PATCH EXISTING WALL AND SILL AS REQUIRED FOR NEW ELEVATOR DOOR. FRAME, AND SILL ASSEMBLY.
- 1979 SIDE, TYPICAL 25 CLEANLY CUT, DEMOLISH, AND REMOVE MASONRY TO ACCOMMODATE NEW DOOR OPENING AT THIS LOCATION. REFER TO NEW PLANS AND THE DOOR SCHEDULE FOR
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- 22 REFER TO MEP DEMOLITION DRAWINGS FOR EXTENTS OF MECHANICAL ROOM DEMOLITION.
- RECEIVE NEW FINISHES, COORDINATE EXTENT OF DEMOLITION AS NECESSARY TO ACCOMMODATE ELEVATOR FIT UP SCOPE. 21 EXISTING ELEVATOR SHAFT TO REMAIN.
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- 19 DEMOLISH EXISTING BRICK AND/OR EIFS WALL. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS REQUIRED
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- CEILING-MOUNTED ITEMS FOLLOWING INSTALLATION OF NEW GYPSUM BOARD FINISHES.
- LOCATIONS. REMOVE AND REINSTALL ANY WALL- AND/OR
- FINISH FROM METAL FRAMING AT ALL WALL AND CEILING

- 14 REMOVE EXISTING GYPSUM BOARD SHEATHING AND/OR
- EQUIPMENT, AND FINISHES TO REMAIN DURING CONSTRUCTION ACTIVITIES.
- LIGHTING AND ACCESSORIES. 13 PROTECT AND SUPPORT ALL EXISTING CASEWORK,
- PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE AS REQUIRED DURING CONSTRUCTION. 12 DEMOLISH EXISTING TWO-COMPARTMENT ENVIRONMENTAL UNIT AND ALL ACCOMPANYING POWER,
- PERFORMED IN THIS ROOM. PROTECT EXISTING FINISHES TO REMAIN.
- 10 NO ARCHITECTURAL DEMOLITION WORK TO BE 11 DEMOLISH EXISTING PRECAST CONCRETE PANELS.

DEMOLITION LEGEND

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FLOOR TO THE UNDERSIDE OF STRUCTURE ABOVE. ALL MISCELLANEOUS ACCESSORIES MOUNTED TO WALLS, AS

PREPARE FLOOR AND WALL SURFACES TO RECEIVE NEW

PREPARE FLOOR SURFACES TO RECEIVE NEW FINISHES. ABATEMENT OF EXISTING RESILIENT FLOOR TILE AND

BASE WILL BE PERFORMED PRIOR TO THE START OF THIS CONTRACT. PREPARE FLOOR AND WALL SURFACES TO

WELL AS DOORS, DOOR FRAMES, DOOR HARDWARE, CONDUIT, AND PIPE ARE TO BE DEMOLISHED AS PART OF

3 REMOVE EXISTING CERAMIC WALL AND/OR FLOOR TILE.

5 REMOVE EXISTING CEILING INCLUDING SUSPENSION SYSTEM, ASSOCIATED LIGHT FIXTURES, FIRE

6 REMOVE EXISTING PLUMBING FIXTURES AND

ALL ACCOMPANYING POWER, LIGHTING AND

PROTECTION DEVICES, AND MECHANICAL FIXTURES.

ACCESSORIES. COORDINATE WITH NEW PLUMBING WORK AT THIS LOCATION. CAP AND TERMINATE EXISTING LINES IN WALL WHERE NEW FIXTURES ARE NOT INSTALLED. 7 DEMOLISH EXISTING WALK-IN REFRIGERATION UNIT AND

2 REMOVE EXISTING CARPET AND RESILIENT BASE.

THE WALL DEMOLITION.

RECEIVE NEW FINISHES.

ACCESSORIES.

FINISHES.

- 9 REMOVE EXISTING EXTERIOR DOOR, PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
- REMOVE EXISTING EXTERIOR STOREFRONT FRAME. PROVIDE TEMPORARY WEATHER-TIGHT CLOSURE UNTIL PERMANENT CONSTRUCTION IS IN PLACE.

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REVISIONS

ROOF DEMOLITION PLAN

OWNER IN WRITING AND DO NOT RESUME WORK UNTIL MITIGATION APPROACH IS IDENTIFIED.

CONTROLS WORK. REFER TO MEP SHEETS FOR EXTENT OF CONTROLS SCOPE.

DEMOLITION LEGEND

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EXISTING CONSTRUCTION TO REMAIN

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DATE 01/09/2023 **100% CONSTRUCTION DOCUMENTS** REVISIONS

ROOF DEMOLITION PLAN

MAX CLIMBER 4000/3000 TRANSPORT PLATFORM

For more than 25 years, *Beta Max* has provided safe, reliable material and passenger lifting solutions to the contruction, maintenance and restoration industries.

Beta Max now introduces the Max Climber 4000/3000 Transport Platform system which is the perfect hoist for any project where lifting general building materials is required or for projects which include:

Drywall / Sheetrock Masonry Restoration & Renovation Scaffolding Glazing / Panels

Product Features & Benefits:

Over 12' long for drywall

- Tandem rollers for better load distribution
- Heavy duty galvanized mast sections
- Side and/or front loading basket
- Unique open/close system for unloading ramp
- Side fencing on unloading ramp for worker safety
- Easy access to electrical panels for maintenance
- Heavy gauge aluminum loading ramps & rugged basket floor
- Certified safety brake system
- Drop test facility with remote pendant
- Integrated installation platform on board material basket
- Roof enclosure to ensure worker safety (Optional)
- 4000lbs Base unit without Extensions
- 3000lb Configuration with Extensions

MAX CLIMBER 4000/3000 HOIST SPECIFICATIONS

Max Capacity	4000 or 3000lbs.
Basket Dimensions	52"x 86" & 52"x 152"
Anchoring Distance	every 20ft.
Operating Speed	40 fpm
Power Requirements Options	3 Phase, 208V
Mast Sections	148lbs

*User must remove extensions in order to lift 4000lb

The platform is equipped with loading & unloading ramps. Optional front loading ramps. All Beta Max Hoist Systems meet or exceed ANSI & OSHA specifications.

Power Connection Requirements MC4000/3000 TP D

In order to eliminate any possible power related issues we recommend providing 0% voltage drop to the Base Control Panel (Ground Box). In order to facilitate that, we recommend running a 208VAC 3 phase 100A service to the hoist location and fusing it down to 50A. Run a 4 conductor 4 AWG cable from the fused disconnect to the Base Control Panel (Ground Box). Using the provided grounding post on the Base Unit framework, ground the base to an earth driven ground rod.

Hilmerson Safety Rail System™

Installation Instructions

Warning: Failure to follow the instructions for the Hilmerson Safety Rail System poses a threat to safety and health and may result in death or serious injury to installers, users, and/or third parties. Hilmerson Safety and our manufacturer expressly disclaim any liability from injury, damage, or other loss resulting from improper or unauthorized installation or use of the Hilmerson Safety Rail System.

Note: Contact Hilmerson Safety if you have questions regarding the installation, use, maintenance, or application of this product.

Hilmerson Safety 8678 Eagle Creek Circle, Savage MN 952-224-9390 Info@HilmersonServices.Com

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DEFINITIONS

ANCHOR: Bolt used to connect Penetrating Anchored Base Plates to concrete.

BASE PLATE: Supporting bases (penetrating and non-penetrating) for Hilmerson Safety Rail System.

COMPETENT PERSON: Defined by 29 CFR 1926.32 (f) as someone ...who is capable of identifying existing and predicable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them...

CONTINUOUS RUN: A single or series of Hilmerson Safety Rail System guardrail sections installed in a continuous straight line without interruption.

LEADING EDGE: The edge of a floor, roof, or formwork for a floor or other walking/working surface (such as the deck) that changes location as additional floor, roof or deck, or formwork sections are placed or constructed. A leading edge is considered an unprotected side and edge.

OUTRIGGER RETURN: A 5 ft or 10 ft guardrail panel installed perpendicular to a continuous run with a Non-Penetrating Weighted Base Plate connected to it.

QUALIFIED PERSON: Defined by 29 CFR 1926.32 (m) as someone...who, by possession of a recognized degree, certificate, professional standing, or who by extensive knowledge, training, and experience, has successfully demonstrated his ability to solve or resolve problems relating to the subject matter, work, or the project...

SPANNER: An expanding telescoping rail used to connect guardrail panels to ladders, accesses, or other guardrail panels where needed.

TOEBOARD: A low protective barrier that will prevent materials and equipment from falling to lower levels.

UNPROTECTED SIDES AND EDGES: Any side or edge (except at entrance points of access) of a walking/working surface, e.g. floor, roof, ramp, or runway where there is no wall or guardrail.

READ PRIOR TO INSTALLATION

- 1. The Hilmerson Safety Rail System[™] is an engineered system. The use of other manufacturers' components, or the failure to follow these installation instructions, may put workers at risk by weakening the system or causing a system failure, and serious injury or death may result.
- 2. Anchor bolts are specified assuming a concrete strength of f'_c 3,000 psi, normal weight, (cracked) concrete and 6-inch minimum thickness.
- 3. Required Leading Edge Distance for the Anchored Base Bolt: 6 inches from the nearest edge.
- 4. Required Leading Edge Distance for Weighted Base: Base shall be no closer than 18 inches from the leading edge requiring protection, unless there is an elevated parapet wall.
- 5. No component of this system may be used as an anchor point for fall protection or hoisting.
- 6. Before installation, inspect all parts to insure no damaged parts are used.
- 7. If there is exposure to a fall hazard while installing this product, an approved fall protection system must be used.
- 8. Fall restraint is to remain in place as long as a fall hazard exists.
- 9. Do not lean on guardrails.
- 10. Do not exceed maximum extension shown on spanner labels.
- 11. Do not hang, secure, or attach any non-approved material to rail system.
- 12. Applications of the Hilmerson Safety Rail System should be verified and approved by a competent safety personnel.
- 13. Verify that the surface the Hilmerson Safety Rail System will be installed on is capable of supporting the product and personnel installing it. A complete assessment of the entire surrounding areas should be made to determine if the walking and working surfaces have the strength and structural integrity to support users safely.
- 14. Only install Hilmerson Safety Rail System on flat, dry, clean surfaces.
- 15. If a short parapet wall exists, non-penetrating weighted baseplates can be against it, if no parapet is present it should be positioned no less than 18 inches from an unprotected leading edge.
- 16. Always use outrigger returns at both ends of a single or continuous rail section.
- 17. Baseplates must be installed in the correct orientation. Install the non-penetrating weighted baseplates with the long side perpendicular or 90 degrees to the continuous Hilmerson Safety Rail System as shown in examples below.
- 18. If the Hilmerson Safety Rail System is impacted, inspect for damage and reposition as necessary. If damaged parts or components are found immediately remove from service and replace.
- 19. Hilmerson Safety Rail System non-penetrating weighted bases have non-skid pads on the bottom. If a non-skid pad is missing or covered with debris, do not use until one is installed. Contact Hilmerson Safety for replacement non-skid pads.
- 20. Never erect the Hilmerson Safety Rail System near electrical wires. Keep a minimum of ten (10) feet from power lines.
- 21. Never install or use the Hilmerson Safety Rail System on top of gravel, metal or on slippery surfaces without consulting with a Hilmerson Safety representative first.
- 22. Routine inspection of all parts and components is recommended. If damaged parts are found, replace with new parts. Contact Hilmerson Safety for replacement equipment.

Warning: It is recommended that a competent person approve and oversee the installation of this system. The Hilmerson Safety Rail System[™] is an engineered system. Incorrect installation, unapproved use of other manufacturers' components, or the failure to follow these instructions may put workers at risk by weakening the design of the system, causing a system failure, and potentially leading to serious injury or death.

Tools Needed for Installation: Drill and ½ inch concrete drill bit, ¾ inch socket **Compatible with Most Construction Debris Netting.** Call for specific wind load capacities.

		Compo	nent Identification
A1	HLM- GR10G	Rail Panel – 10 ft: 1 %" O.D. x Galvanized 13 gage tube with 11 gauge toe board	A1
A2	HLM-GR5G	Rail Panel – 5 ft: 1 ⁵ %" O.D. x Galvanized 13 gage tube with 11 gauge toe board	
B1	HLM- GR10NTG	Rail Panel – 10 ft: 1 5%" O.D. x Galvanized 13 gage tube	A2 B2
B2	HLM- GR5NTG	Rail Panel – 5 ft: 1 5%" O.D. x Galvanized 13 gage tube	
С	HLM- GR9NTG	Rail Panel – 5.5 ft–9ft: (Adjustable) 1 ⁵ ⁄ ₈ " O.D. x Galvanized 13 gage tube	

*Approved fall protection must be utilized while installing bases and guardrails where fall hazards exist.

Component Identification

D	HLM- GRBPHXG	Non-Penetrating Weighted Base Plate: ³ ⁄ ₄ " ATSM-A572 Grade 50 Steel, Galvanized	D
E	HLM- GRBPG	Penetrating Anchored Base Plate: ¾" ASTM-A572 Grade 50 Steel, Galvanized	The T
F	HLM- GRBPDL	Weighted Base Dolly: 1 ⁵ / ₈ " O.D. x Galvanized 13 gage tube - Powder Coated	E
G	HLM-RS3G (22"-34")	Spanners: Outer Tube - O.D. 1.625" - 14 Gage	F
	HLM-RS5G (34"-58")	Inner Tube – O.D. 1.325" - 13 Gage	
Н	GL	Gravity Locking Pins: Zinc-plated, self- locking ¾" x 1 ⅔"	G
I	Hilti KH-EZ #418072	Anchor: ½" x 3 ½" Or equivalent	
Choosing Baseplate Type & Designing a Layout

- 1. Install only on clean, dry, level surfaces and determine if you will be utilizing penetrating anchored bases <u>or</u> non-penetrating weighted bases.
- 2. Determine the desired protection layout before beginning the installation process.
- 3. All guardrail layouts must be designed or approved by a competent person.
- 4. When using penetrating anchored base plates, anchor bolt holes must be no less than 6 inches from the nearest edge.
- 5. When using non-penetrating weighted base plates, outrigger returns are required at the end of each protection run installed perpendicular to the leading edge hazard.





Note: All guardrail layouts must be designed or approved by a competent person.

Pre-Drilling Holes for Penetrating Anchored Base Plates

1. Penetrating anchored base plates are only approved for concrete substrates with a minimum slab thickness of 6 inches with a minimum concrete strength of f'_c 3,000 psi, normal weight, (cracked) concrete.

> *Non-penetrating weighted bases are recommended for use on post-tension decks or other surfaces where you can't penetrate.

- Pre-drill a ¹/₂" diameter hole in concrete to a minimum depth of 3.5", using the base plate slot for location.
- 3. Ensure the base plate sits flush on the mounting surface by using a hand pump, compressed air, or vacuum to clear the hole and immediate area of concrete dust and debris prior to final placement of the base plate over the anchor hole.





Installing Penetrating Anchored Base Plates

 Insert a Hilti KH-EZ anchor bolt (Hilti p/n 418072) through the top of the base plate and into the pre-drilled hole <u>according to</u> <u>Hilti p/n 418072 ½" x 3 ½"</u> <u>KWIK HUS-EZ (KH-EZ),</u> installation requirements.



- 2. Tighten the anchor bolt until it is seated on the base plate, using a Hilti 22T/18T-A high-torque cordless impact driver or hand torque wrench not to exceed 45 ft/lb.
- 3. Repeat the anchoring process for all base plates in your protection run.



Installing Non-Penetrating Weighted Bases

1. Non-penetrating weighted bases can be used to set up guardrail protection on a wide variety of surfaces, but shall be no closer than 18 inches from the leading edge requiring protection, unless there is an elevated parapet wall.



- 2. Install only on clean, dry, level surfaces where the bases have complete contact with ground beneath it.
- <image>
- 3. Using the weighted base dolly, set a base in the desired location and position it to accept rail panels.

Installing Guardrail Panels

1. To install guardrail panels on either type of baseplate, simply remove a guardrail panel from the mobile cart and seat on the base plate post.



2. When seating and positioning guardrail panels on baseplates, ensure that holes are aligned to allow pinning.



Installing Guardrail Panels

3. Install a gravity-locking pin through the base plate post and guardrail panel, making sure that the loop on the pin falls into the locked position.









Weighted Base System - Outrigger Returns

1. When using non-penetrating weighted bases, outrigger return guardrail panels and weighted bases are required to be installed perpendicular to the leading edge at the end of each protection run to provide required counterweight.



2. Upon completion of installing the guardrail panels protecting the leading edge, install your last guardrail panels and bases as a perpendicular counterweight to the guardrail panel(s) providing protection from the leading edge.



DISCLAIMER

Although every effort was made to ensure that all information in this installation manual is factual and that the numerical and non-numerical values expressed are accurate to a degree consistent with current practice(s), Hilmerson Safety Services, Inc., and its affiliates do not assume responsibility for errors or oversights that may result from the use of the information contained within this installation manual. Anyone making use of the contents in this installation manual assumes all liability arising from such use. By accepting and using this installation manual, you release Hilmerson Safety Services, Inc. and its affiliates of liability.

Special Specification

Erosion Eels[™]

1. Description. Furnish, install, maintain, and remove Erosion Eels[™] as shown on plans or as directed.

2. Materials.

- **1. Core Material.** Erosion Eels[™] shall consist of core, internal filter materials comprised of one of two mixtures:
 - **I.** Mixture Specification 1.0. A filter mixture comprised of 100% shredded rubber that has been washed and processed to remove most, if not all, metal components. The material shall be derived from recycled tires and shall be shredded to produce a maximum particle size of +/- ³/₄ inch.
 - **II. Mixture Specification 2.0.** A filter mixture comprised of 100% shredded rubber that has been washed and processed to remove most, if not all, metal components. The material shall be derived from recycled tires and shall be shredded to produce a maximum particle size of +/-2-inches.
- 2. Containment Material. The containment material for the filter core particles shall be a woven, polypropylene geotextile with UV-stabilizers and inert to biological decay and chemically resistant to naturally occurring chemicals, alkalis, and acids. Minimum fabric permeability shall be equal to or greater than 0.05 cm/sec per ASTM D 4491. Minimum strength retained relative to UV exposure shall be 70% when tested per ASTM D 4355 for 500 hours.
- **3.** Size. Erosion Eels[™] shall be produced with a nominal diameter of +/-9.5 inches and +/-20 inches and standard nominal lengths of +/-4.5 feet and +/-10 feet.
- **3. Construction.** Install Erosion Eels[™] near the downstream perimeter of a disturbed area to intercept sediment from sheet flow. Incorporate the Erosion Eels[™] into the erosion control measures used to the control sediment on construction sites. Install, align, and locate the Erosion Eels[™] as specified below, as shown on the plans, as direction.
 - **A. Stabilizing/Securing.** Secure Erosion Eels[™] in a method adequate to prevent displacement as a result of normal rain events and such that flow is not allowed under the bags.
 - **B.** Maintenance. Inspect and maintain the Erosion Eels[™] in good condition. Maintain the integrity of the control, including keeping the bags free of accumulated silt, debris, etc., until permanent erosion control features are in place, or the disturbed area has been adequately stabilized. Stabilize the areas damaged by the removal process using appropriate methods as approved. Repair or replace damaged Erosion Eels[™] as required and as directed. Temporarily remove and replace Erosion Eels[™] as required to facilitate work. Remove sediment and debris when accumulation affects the

performance of the devices, after a rain, and when directed. Dispose of sediment and debris at an approved site in a manner that will not contribute to additional siltation.

- **C. Removal.** Remove and reuse Erosion Eels[™] when directed.
- **4. Measurement.** This item will be measured by the linear foot along the centerline of the top of the control bags.
- **5. Payment.** The work performed and materials furnished in accordance with this item and measured as provided under "Measurement" will be paid for a the unit price bid for "Erosion EelsTM" of the size specified. This price is full compensation for furnishing, placing, maintaining, temporarily removing and replacing as required to facilitate construction operations, and removing of the bags and for all other materials, labor, tools, equipment, and incidentals.

End-of Section

Note: Specifications are subject to revisions at the discretion of the Manufacturer.

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Levels of Protection Section Temporary Protection for Exhibit B Attachments LEVELS for Contractors Assigned at Writing of Contract

Required Temporary Protection Levels for Various Conditions - Materials Used Must Be Recyclable, Reusable, Fire-Retardant and Anti-Static.

Basis of Design- Entry Point International Rhino Tile[®] FR, ImpactBoard FR[®], ProplexFR[®] Sheets, Breather Shield[®] FR Membrane, and Absurd[®] FR Tape for all horizontal sheet applications – Schedule of Use Below:

LEVEL 1 Protection – Temporary and long-term protection for flooring, non-skid decking and other surfaces with extreme traffic and heavy rolling loads. Potential surfaces could include: ship decks hanger bays non-skid, elevators for aircraft or munitions, interior and exterior horizontal decking and protection of other flooring products that can benefit from being protected from repeated heavy traffic and load protection. Shall meet LEED v4 and be FR Rated per ASTM E648, EN13036-4 Skid Resistance and Wind Load Tested per AAMA 501.1-17(modified) at 75 mph

PRODUCT - ENTRY POINT RHINO TILE[®] FR, 20" x 20" interlocking, recyclable PVC for interior and exterior use. Can withstand heavy, uniformly distributed and supported loads. Material shall be durable, weather resistant, waterproof, anti-skid, and Flame-Retardant. Material may be reused numerous times before recycling

LEVEL 2 PROTECTION – Temporary protection for interior flooring subjected to high traffic and heavy rolling loads such as scissor lifts and high reach equipment. Potential surfaces could include: finished floors, heavy duty use in corridors, bulkheads, hatchways, over blast protection, resinous floors and tank containment protection. Shall meet LEED v4 and be FR Rated per NFPA 701 and ASTM E648

PRODUCT - ENTRY POINT IMPACTBOARD FR[®] 2500, lightweight 12.4 lbs. ridged Polypropylene Copolymer sheets, 6mm board at 2500 grams/m2. Material shall be waterproof, non-warping when wet, light weight, and may be reused multiple times before recycling

LEVEL 3 PROTECTION – Temporary protection for interior flooring subjected to medium traffic (lighter scissor lifts and roller staging) and vertical protection for stainless steel fixtures, piping, duct work, bulkheads, tanks, containment, over blast protection. Potential surfaces could include: glass, paint, fabrics, and other finished materials. Shall meet LEED v4 and be FR Rated per NFPA 701 and ASTM E648.

PRODUCT - ENTRY POINT PROPLEXFR[®] HD1200, anti-static, lightweight, 5.5 lb. semi-ridged Polypropylene Copolymer sheets for interior use, 4 mm board at 1200 grams/m2. Material shall be waterproof, non-warping when wet, light weight, and may be reused multiple times before recycling.

LEVEL 4 PROTECTION –Temporary protection for interior vertical use only. Potential surface features could include: mill work, fixtures, glass, curtainwall, case work and other vertical features where contact may abrade or damage finishes. Materials to be protected could include: steel fixtures, piping, duct work, bulkheads, tanks, containment, over blast protection. Potential surfaces could include: glass, wiring runs, painted surfaces, fabrics, and other finished materials. Shall meet LEED v4 and be FR Rated per NFPA 701 and ASTM E648.

PRODUCT – ENTRY POINT PROPLEXFR[®] 700 (Horizontal) or 380 (Vertical), anti-static, lightweight 1.9 or 3.5 lb. flexible Polypropylene Copolymer sheets for interior use, 4mm board at 700 grams/m2, 3mm board at 380 grams/m2. Material shall be waterproof, non-warping when wet, light weight, and may be reused multiple times before recycling.

LEVEL 5 PROCTECTION Temporary protection for interior vertical use only. Potential surface features could include: mill work, fixtures, glass, curtainwall, case work and other vertical features where contact may abrade or damage finishes. Materials to be protected could include: millwork, ductwork, finish items, OEM equipment, bedding, living quarters, lighting fixtures, electric boxes, galleys, fabrics. Shall meet LEED v4 and be FR Rated per NFPA 701 and ASTM E648.

PRODUCT – ENTRY POINT PROPLEXFR[®] 250, anti-static, lightweight 1.2 lb. flexible Polypropylene Copolymer sheets for interior use, 2mm board at 250 grams/m2. Material shall be waterproof, non-warping when wet, light weight, and may be reused multiple times before recycling.

Whiting Turner Contracting Company 141 Leader Avenue					Date: Transmittal:	7/19/2016 103871-Trans-009
Attention: John Hear	ns				NC.	
WE ARE SENDING Y Herewith Under Separate Cover Next Day	∕OU ☑ □ ☑	For Your Files For Action For Information For Approval Approved		Prints Tracings Shop Drawing CD Diskette		Copies of Correspondence Material Samples Descriptive Brochure Specifications Proposal
AS FOLLOWS:						

No. of Copies	Sheets No.	Latest Date	Description of Work	
1	3	7/19/2016	UKRB2.260000.26.0.0 - Temp PWR Single Line	

If enclosures received are not as listed above, kindly notify us at once.

Sachs Electric employee owned

Received By: _____ Date: _____

Very truly yours,

Sachs Electric Company

Tyler Friemoth Project Manager



ELECTRICAL ONE-LINE DIAGRAM

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	Sachs Elect ENPLOTE ONED BUILDING BUILDING BUILDING
- 100 10 100 000	ELECTRICAL ONE-LINE DIAGRAM UNIVERSITY OF KENTUCKY RESEARCH BUILDING 2 VIRGINIA AVENUE LEXINGTON, KY 40506
OF KEN OF KEN	DRAWN BY: KWC APPROVED BY: CAP DATE: JUNE 1, 2016 SCALE: NOTED FILE NAME: ENGINEER CAP SHEET NO.
THE FORMER AND THE FACE SIGNATURE AND PERSONAL RECEAL APPEARING HERCH, AND PERSONAL RECEAL APPEARING HERCH, APPEARING, RECEAL APPEARING HERCH, APPEARING, STATUS, APPEARING HERCH, SEPCONSELUTY FOR ALL ONER FLANS, SEPCONSELUTY FOR ALL ONER FLANS, DOCUMENTS OF RESTAURANTS NOT MET SEALED BY THE USED FOR ANY PART OR PARTS OF THE TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THE PAGE REFERS,	E1-1

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL Improve Sanders-Brown Center on Aging/Neuroscience Facilities

Subcontract 01A – General Requirements

Project No. 2571.0 Project Title: Improve Sanders-Brown Center on Aging/Neuroscience Facilities

Purchasing Officer: Ken Scott

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

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Telephone:_____

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

INVITATION TO BID: CCK-2689-23

BID OPENING DATES: FEBRUARY 28, 2023				
TRADE CONTRACT DESCRIPTION:				
General Requirements				
TRADE CONTRACT NO.: 01A				
TIME: 3:00 P.M. E.D.T.				

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

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO	DATED
ADDENDUM NO	DATED
ADDENDUM NO	DATED

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

FORM OF PROPOSAL

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

- 1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2689-23</u> have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
- 3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
- 4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
- 5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
- 6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
- 7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
- 8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
- 9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

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

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

Contractor Report of Prior Violations of

Chapters 136,139, 141, 337, 338, 341, and 342

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

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

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

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid <u>CCK-2689-23</u> having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

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

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

FOR THE LUMP SUM (OF	
	(USE WORDS)	
(USE WORDS)	DOLLARS AND(USE WORDS)	CENTS.
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BID ALTERNATES		
Add Alternate No. 1: Cor	ntrols in 1996 Building	
FOR THE LUMP SUM (OF(USE WORDS)	
(USE WORDS)	DOLLARS AND(USE WORDS)	CENTS.
(\$(USI	E FIGURES)	

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities UK Project No. 2571.0

Add Alternate	<u>» No. 2:</u> Consolidate	d Generators		
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		(032	WORDS)	
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Add Alternate	<u>9 No. 3:</u> New Lab Va	acuum Pump in 1979 B	uilding	
FOR THE LU	IMP SUM OF			
		(USE	WORDS)	
		DOLLARS AND _		CENTS.
	JRD3)		(USE WORDS)	
(\$)	
	(USE FIGUR	ES)		
Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes				
FOR THE LU	IMP SUM OF			
		(USE	WORDS)	
				CENTS
(USE WO	ORDS)		(USE WORDS)	
(\$)	
\+	(USE FIGUR	ES)	/	

BUSINESS CLASSIFICATION

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

(01)	_Small Business	(06)	_Woman-Owned Large Business
(02)	_Large Business	(07)	_Disadvantaged Woman-Owned Small Business
(03)	_Disadvantaged Small Business	(08)	_Disadvantaged Woman-Owned Large Business
(04)	_Disadvantaged Large Business	(09)	_Other

(05) Woman-Owned Small Business

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

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

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR	

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER	

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities UK Project No. 2571.0

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. N	Minority a	and Women	Subcontractors
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2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

Revised 3/22/06

TRADE CONTRACT – 01A – General Requirements

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

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

Unit 01*A* – *General Requirements*

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

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

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

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

- <u>Scope of Work</u> It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, temp. shoring, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
- <u>Add Alternate</u> This Subcontractor shall review the Bid Alternates as shown in the Contract Documents. This Subcontractor shall provide alternate pricing for the alternates as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. Items listed below shall part of this Subcontractor's scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification.
 - a. Alternate #2 Provide L2 Lintel. Deliver to 04A contractor for install.
 - b. Alternate #3 Modify Existing Concrete Pad as Required to Match Installed Equipment at new laboratory vacuum pump.

GENERAL REQUIREMENTS

- 3. <u>PlanGrid License</u> This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents. Additionally, this Subcontractor will provide to the Construction Manager (4) two-year PlanGrid "Crane" licenses to use at their discretion. These licenses shall go into effect at a time chosen by the Construction Manager.
- 4. <u>OpenSpace</u> This Subcontractor shall provide photo documentation tool and software for 24 months from OpenSpace. The tool and software will be used by the Construction Manager.
 - Provide Insta360 ONE X2 Ultimate Kit <u>https://store.insta360.com/product/one_x2?c=1164&from=nav</u>

- Provide 24 months of OpenSpace Capture software usage. Negotiated rate for the project is \$10,000. For additional information contact greg.saunders@openspace.ai
- Site Fencing This Subcontractor shall provide and install all temporary fencing consisting for the construction 5. site and associated laydown yard on Leader Ave. Fencing for construction site shall be concrete or water filled "k-rail" or "jersey barriers" with fence on top, as well as road/sidewalk closure signage per the logistics plan. This Subcontractor shall rework fencing for each phase of construction. (See logistics plan for locations and amounts of fencing and temporary signage). This Subcontractor shall provide a fencing allowance of \$10,000 and a signage allowance of \$5,000 to be used for items above-and-beyond what is shown in the logistics plan. At any time during the course of the project the Construction Manager may elect to use any unspent portion of this allowance for other added items within this Scope of Work. Also, any unspent portion of this allowance may be returned to the Construction Manager at any time during the project. This allowance does not alleviate this Subcontractor from any of their contractual requirements spelled out in the Contract Documents or their contractual requirements spelled out in this Subcontract. This allowance cannot be spent without written authorization from Whiting-Turner. Any unspent portion of this allowance will be returned to UK at the end of the project via a subcontract change order to this Subcontractor. This temporary fencing shall be carried for 24 months. Should the duration be less, this Subcontractor will provide a credit for remaining unused months of fencing rental. This Subcontractor has included all gate openings as indicated in the site logistics plan, that will be placed as such or as otherwise directed by the Construction Manager.
- 6. <u>Temp Loading Dock</u> This Subcontractor will build and maintain a raised wooden platform at the dumpster location. (See logistics plan.) This platform will not be built until it has been coordinated and approved with the Construction Manager, in writing. The loading dock will include multiple elevated bays, accommodate one roll off dumpsters, include perimeter railings, a ramp to ground level, and be oriented and large enough to accommodate the movements of trash carts This temp loading dock will have joists spaced close enough together, with a multi-layer deck of plywood, to withstand weighted wheel traffic and pallet jacks without puncturing or collapsing the temp decking.
- 7. <u>Buck Hoist Material Lift</u> This Subcontractor has included a buck hoist / material lift, set within the temp loading dock, that will accommodate hoisting materials to the 2nd and 3rd floors of the building. This includes an 18-month rental, starting time to be dictated by the Construction Manager, maintenance, full time operator, all tie backs, safety inspections, certifications, and any necessary foundational elements whether gravel, concrete or metal plate. This Subcontractor will provide electrical requirements for the system, power to be provided by others.
- 8. <u>Sanders-Brown Restroom Maintenance</u> UK is allowing use of the existing restrooms for construction workers in lieu of temporary sanitary facilities. This subcontractor shall be responsible for daily cleaning and twice daily disinfecting of each restroom in use for construction. This subcontractor shall also be responsible for stocking toilet paper, paper towels and soap for these restrooms.
- 9. This subcontractor shall provide and install non-invasive temporary safety railings at the roof perimeter as shown on the logistics plan. These shall be installed at the start of construction and shall be removed once all roofing activities have been completed.
- 10. This subcontractor shall provide 6' wide covered walking path around the back side of Sanders-Brown as shown on the Logistics Plan. These shall remain in place for the full duration of the project.
- 11. This subcontractor shall provide and install temporary plywood barricade along the covered walkway as shown on the Logistics Plan.
- 12. This subcontractor shall provide and install Edge Guard dust barriers with doors inside the building as shown on the Logistics Plan. This subcontractor shall provide a negative air machine at the temporary anteroom that is being installed at the entrance to the Kentucky Clinic.
- 13. <u>CM Office Trailer</u> This subcontractor shall provide and install a covered entry, ramp and stair at the CM office trailer located at 141 Leader Ave. This subcontractor shall also provide office furniture (desks, chairs, tables,

bookcase, kitchenette, etc.), small appliances, printer, TV, docking stations, computer monitors etc. as shown on the logistics plan. Once the office trailer is in place this subcontractor shall provide two days of moving services including labor, truck and trailer to move additional items from WT storage unit (located at: 2640 Sandersville Road, Lexington, KY 40511) and Frazee Hall to the Sanders-Brown project and to the CM office trailer. This subcontractor shall provide two days of moving services at the conclusion of the project to move items out of the office trailer and Sanders-Brown back to the WT Storage unit.

- 14. <u>Safety</u> This Subcontractor has included \$20,000 for Whiting-Turner safety requirements to be directed by the Construction Manager. The Construction Manager will direct the use of these costs to replace safety equipment, provide safety incentives, etc. through the duration of the project. All unused funds will be returned to the Construction Manager upon direction. This subcontractor shall provide three (3) 4'x8' rolling boards with locking casters. These boards shall be built using lumber/plywood and be used to display required safety and other signage inside of Sanders-Brown.
- 15. <u>Misc. Carpentry</u> This Subcontractor has included a \$35,000 misc. carpentry allowance to be utilized at the Construction Manager's discretion for labor or materials. Any unused portion of this allowance will be returned to the Construction Manager at any time.
- 16. <u>Dumpsters</u> This Subcontractor will provide all necessary dumpsters for the duration of the project from the end of demolition through the end of the project. This includes all recycling and separation of materials.
- 17. <u>Cleaning</u> This Subcontractor shall provide two laborers (and all associated tools and materials) for daily cleaning of the project and general cleanup around the project site including general trash removal. This Subcontractor shall provide ten (10) 55 gallon trash cans with dollies and domed lids with spring flap for general trash collection on the construction site. This Subcontractor shall include for a weekly cleaning of the CM office trailer inclusive of sweeping, moping, and wipe down of all desks and tables, cleaning of the restrooms and break room, and a restocking of supplies for each. Supplies include toilet paper, paper towels, hand soap, trash bags, etc.
- 18. <u>Housekeeping & Equipment Pads</u> This Subcontractor has included a \$20,000 allowance for housekeeping and equipment pads not indicated in the Contract Documents. Any unused portion of this allowance will be returned to the Construction Manager.
- 19. This Subcontractor shall provide and maintain boot brushes and heavy-duty entry mats at each exterior entry door and at The Kentucky Clinic and provide and install ten (10) 100ft rolls of flooring protection board (i.e., Ram Board) plus tape to be used at the discretion of the Construction Manager for all new flooring. Provide, install and maintain sticky mats at DLAR entrance, Room 214 & 220, and Kentucky Clinic entrance.
- 20. <u>Weather Protection</u> This Subcontractor shall maintain all temporary weather protection installed by others at exterior openings. The intent is to prevent any major water intrusion into the existing building. If temporary weather protection is damaged through the course of construction or if major water intrusion occurs this Subcontractor shall be responsible for repair, replacement, or reapplication of temporary measures.
- 21. <u>Fall Protection</u> This Subcontractor shall maintain all fall protection installed by others at exterior and interior openings. If temporary fall protection is damaged through the course of construction this Subcontractor shall be responsible for repair, and replacement of said fall protection. This Subcontractor shall remove fall protection as construction progresses and fall protection is no longer required.
- 22. This Subcontractor shall provide a shooting boom forklift (lull) with a minimum 42' lift height from mobilization until the completion of the project. This lull will be shared by all Subcontractors throughout the course of the project and all Subcontractors shall provide their own operator. The primary use will be for offloading deliveries and shuttling materials from the 141 Leader Ave laydown yard to Sanders-Brown. Use of the lull must be scheduled and final approval for use must be given by the WT Superintendent. This Subcontractor shall provide all fuel and maintenance for the lull for the duration of the project.
- 23. This subcontractor shall purchase four (4) E Permit parking passes for a 24-month duration. These parking passes shall be used at the sole discretion of the construction manager.

- 24. This subcontractor shall supply thirty (30) portable plastic fire extinguisher stands (Firemate brand or equal) and shall provide two (2) annual services/inspections for thirty (30) 20lb fire extinguishers. 20lb fire extinguishers will be provided by Whiting-Turner.
- 25. This subcontractor shall provide two (2) industrial cabinet type first aid kits with service for up to 50 people and two (2) Automatic External Defibrillators (AEDs) with wall cabinets to be used at the discretion of the construction manager.
- 26. <u>Pest Control</u> This subcontractor shall provide all pest control requirements for the project including general pest control and special vermin control at 4th floor DLAR space.
- 27. <u>Traffic Control</u> This Subcontractor will provide two flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

CONCRETE

- 28. Specific Items This scope will include all cast-in-place concrete work to include but not be limited to all slab pour backs from removed concrete, edge of slab pours, slabs on metal decking, footer extensions and slab knee walls. This includes all necessary excavation, doweling, reinforcement, forming, and noted rigid insulation. This shall also include, but not be limited to, all stone base and subbase, vapor barrier, under slab insulation, rebar and WWF reinforcing, and any required imbeds.
- 29. <u>Miscellaneous Items</u> This Subcontractor shall provide and install all miscellaneous items related to the castin-place concrete scope of work. This shall include the following:
 - This Subcontractor shall provide and install all slab-on-grade prep including all compacted crushed stone, under slab insulation and vapor barrier.
 - Provide and install grout at pump base. See 1/M6.1
 - Provide and install non-shrink grout shown in details B/S-4.1 and D/S-4.1
 - All shown housekeeping / equipment pads.
 - Install dowels where required between new and existing slab on grade or elevated decks.
 - Patch existing slab-on-grade as required by the Contract Documents. This shall include patching for trenching required to run new under slab MEP items.
 - This Subcontractor shall provide termite treatment under slabs as required by the Contract Documents.
 - This Subcontractor shall install all anchor bolts and embeds (provided by others) into concrete.
 - Apply penetrating concrete sealer to exterior face of wall at exposed stem wall.
- 30. Formwork This Subcontractor shall provide concrete formwork systems consisting of plywood, metal, fiberglass, or combination thereof and all related materials and accessories required for a complete concrete formwork system, inclusive of all shop drawings and engineering as required per the Contract Documents. Formwork accessories that are embedded in concrete, including ties and hangers, shall be commercially manufactured products. Do not use non-fabricated wire form ties.
- <u>Masonry Dowels & Dovetails Slots</u> This Subcontractor will be responsible for furnishing and installing all Masonry Dowels and Dovetail Slots if called for in the Contract Documents. This Subcontractor should consult both structural & architectural drawings.
- 32. <u>Layout</u> The Subcontractor shall be responsible for the accurate layout of all formwork and any other work included in this scope. This Subcontractor shall provide building control lines and benchmarks at Floors 1-3.

Multiple Mag Nails are shown on the site plan which should be used to establish control lines and benchmarks inside the building. This contractor shall furnish a slab control line at each SOG elevation. Two lines in the North-South direction and two lines in the East-West Direction. These lines shall be accurate, true, and must be done in a way that they are accessible for the remainder of the project. They should stack with the building to allow all other Subcontractors to use as control. Two elevation benchmarks, 5' above finish floor, shall also be provided at each slab elevation, other than pits.

- 33. <u>Excavation</u> This Subcontractor shall be responsible for all excavation for this scope of work. This shall include all excavation, to include hand excavation, required for final grading of footings or slabs on grade. This Subcontractor has also included any "mucking" of wet soils for the duration of the foundations scope of work. This Subcontractor shall be responsible for removal of all spoils related to this scope of work.
- 34. <u>Concrete</u> This Subcontractor shall provide all concrete material. This Subcontractor shall also include all equipment and labor to pump the concrete into place including associated clean up. This includes a minimum of one man per truck when conducting pours. This Subcontractor shall coordinate with the Owner's testing agency as required per the Specifications; this includes but is not limited to providing proper cylinders and test boxes per applicable ASTM sections. In the event that a test should fail, this Subcontractor shall either remove and replace the represented work, or repair the represented area as directed by the Structural Engineer and Architect. All cost associated with additional testing and rework shall be the responsibility of this Subcontractor.
- 35. <u>Reinforcing Steel</u> The Subcontractor shall furnish and install all reinforcing steel according to Contract Documents. All materials needed to complete the installation of the reinforcing steel shall be the responsibility of this Subcontractor. This will include, but not be limited to, support chairs, reinforcing safety caps, and tie wire. All remedial work and costs caused by failed tests are the responsibility of this Subcontractor.
- 36. This contractor shall drill and adhesive reinforcement as shown in the contract documents. Where existing concrete is drilled this subcontractor shall be responsible for locating the existing reinforcement by means of rebar detector. This subcontractor shall not cut existing reinforcement in existing concrete. This subcontractor shall also be responsible for conducting rebar detection and layout at locations where the steel and curtainwall are required to attach to the existing concrete structure.
- 37. Embeds This Subcontractor shall install all inserts, anchors, anchor bolts and embedded miscellaneous metal items. Mechanical or electrical sleeves, conduits, electrical boxes, etc. shall be furnished and installed by others. The Concrete Subcontractor shall build boxes required for mechanical openings as shown on Contract Documents. This Subcontractor shall schedule placing of all concrete and will give ample notice and the opportunity to inspect embed placement and work related to concrete before concrete is placed. This Subcontractor is responsible for removing all nails or other attachments from embeds when wrecking formwork.
- 38. <u>Anchorage for Embedded Items</u> This Subcontractor shall set and build into formwork anchorage devices and other embedded items required for other work that is attached to or supported by cast-in-place concrete.
- 39. <u>Receiving Material Provided by Others</u> This contractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this Subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to all embeds and anchor bolts. Any repair or replacement due to failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.
- 40. <u>Openings in Formwork for Other Trades</u> This Subcontractor will provide openings in formwork to accommodate work for other trades. Determine size and location of openings and recesses from Subcontractors providing such items. Accurately place and support items built into forms. This Subcontractor must obtain written approval from the Construction Manager for openings not shown on the drawings.

- 41. <u>Concrete Pours</u> This Subcontractor shall notify the Construction Manager's project Superintendent a minimum of 72 hours prior to any pour.
- 42. <u>Placement</u> This Subcontractor shall furnish all labor, materials, tools, and requirement to transport the concrete materials to the point of placement, i.e., concrete pumps, wheelbarrows, buggies, etc.
- 43. <u>Manpower at Truck</u> This Subcontractor shall provide the necessary manpower required at the concrete pump and/or truck to coordinate the location of concrete trucks at the concrete pump and operation of the concrete chute.
- 44. <u>Cold or Hot Weather Considerations</u> This Subcontractor shall provide any requirements and provisions to accommodate hot or cold weather placement of the concrete within this Scope of Work.
- 45. <u>Finishes</u> The Subcontractor shall be responsible for maintaining finishing tolerances per Specifications including exposed to structure and trowel finishes. Float finishes see specification, also consolidate concrete surface by hand-floating if area is small or inaccessible to power units. Surfaces should be uniformly sloped toward drains where applicable. Surface should be a uniform, smooth, granular texture. Waterproofing Finish finish of surfaces to receive waterproofing will comply with preparation standards set forth in the applicable Specification or comply with manufacturers' specified instructions for application by product type.
- 46. <u>Curing</u> The Subcontractor shall cure all slabs on grade in a manner consistent with the Specifications. This includes providing all required curing blankets and a watering system for the duration of the curing process.
- 47. <u>Control joint saw cutting</u> <u>Control joint</u> saw cutting required by the Contract Documents shall be the responsibility of this Subcontractor. <u>Control</u> joints shall be made according to the contract documents. This Subcontractor shall ensure that the work area shall remain clean of dust, concrete waste, excess water, and any other debris caused by the saw cutting process.
- 48. <u>Task Lighting</u> Any task lighting required to ensure adequate working conditions is the responsibility of this Subcontractor. This includes the lights stands, lights, generators, power cords, and any other equipment to operate the lights.
- 49. <u>Truck</u> Subcontractor is aware of the constricted area, and that trucks will not be permitted to park in construction zone, unless dispensing concrete.
- 50. <u>Existing Structures</u> The Subcontractor shall make complete examination and survey of all existing adjacent structures, and roadways to determine all information necessary to design and erect the concrete formwork. This Subcontractor shall be responsible for repairing any damage to existing structures or roadways that result from executing this Scope of Work.
- 51. <u>Protection</u> Protect freshly placed concrete from premature drying and excessive cold or hot temperatures per the Contract Documents.
- 52. <u>Concrete Washout</u> This Subcontractor is responsible for providing or building a mobile concrete washout station, (preferably a movable dumpster) including regular maintenance and cleanout. This includes the removal there of once this scope of work has been completed.

MISC. STRUCTURAL STEEL

53. <u>Scope of Work</u> – It is the intent for this project that the Subcontractor performs all the work as scoped herein and as specified in the Project Manual and Contract Drawings. The technique used to install the steel will be the responsibility of the contractor. The techniques established shall allow for all requirements set forth in the Contract Documents. The Subcontractor will furnish all supervision, labor, material, rigging, equipment, tools, appliances, scaffolding, shoring, warrantees, guarantees, Professional Engineer stamps & calculations, and everything necessary for all structural steel and related materials in full compliance with the Contract Documents.

- 54. <u>Misc. Structural Steel</u> The Subcontractor shall detail, fabricate, furnish, and install all misc. structural steel as indicated on the Contract Documents. This shall include, but not be limited to, the following:
 - All tube steel, channels, I-beams, standoffs, gussets, stiffeners, bracing, lintels, shelf angle, angle, bent plate, pour stops, grating, etc.
 - All metal decking
 - All supports for any slab, deck, or roof openings
 - All interior and exterior curtain wall, window, and storefront support angles and tube steel
 - All support steel shown for curtain wall and skrim anchorage
 - All cantilevered steel
 - All sheer studs on metal decking
 - All bent plate, edge and corner angles
 - All anchor bolts & embeds
 - Steel Tube Handrail at Stair C (See 2/A-1.1a) with stainless steel eschutcheon(s)
 - Galvanized Steel Tube Guardrail at roof (See A-7.1a & A-7.2) including surface mount weighted pads
- 55. <u>Embedded Materials</u> It is the responsibility of this Subcontractor to coordinate with other Subcontractors the delivery and exchange of all embedded items for this project. With regards to column anchor bolts, this Subcontractor will provide all necessary anchors and layouts for the Concrete Subcontractor to install.
- 56. <u>Field Dimensions</u> The Subcontractor shall be responsible for verifying field dimensions as required for this scope of work. This includes field measurements of existing conditions and anchor bolt placement prior to commencement of work.
- 57. <u>Erection</u> The Subcontractor shall be responsible for all erection, and anything needed to safely and properly erect all materials. This includes, but is not limited to, all welding, bolts, studs, shims, plates, etc. necessary to erect a complete system. This Subcontractor will be responsible for a plumb and properly aligned the steel in accordance with the Contract Documents, including all necessary demolition and temporary shoring.
- 58. This subcontractor shall install adhesive anchors and wedge anchors into existing concrete where new steel (base plate, bent plate, etc.) are anchored to existing concrete. This subcontractor shall coordinate with the concrete trade to locate existing reinforcement with rebar detector to avoid cutting existing rebar when drilling for adhesive/wedge anchors.
- 59. <u>Deck Cleaning</u> This Subcontractor will clean all decking after installation before turning over to the following sub.
- 60. <u>Materials</u> This Subcontractor shall provide and install any and all necessary alignment items (shims, leveling plates, double nutting, etc.) to perform and complete this scope of work.
- 61. <u>Additional Task Lighting</u> Any task lighting required to ensure adequate working conditions is the responsibility of this Subcontractor. This includes light stands, lights, power cords, generator, and any other equipment to operate the lights.
- 62. <u>Verification of Anchor Bolt / Embed Locations</u> This Subcontractor shall be responsible for field verification of the locations for all anchor bolts and embeds necessary for the completion of work. Any minor modifications, i.e., slotted holes, necessary to complete the steel erection shall be performed at no additional cost to the Construction Manager. All costs associated with installing embeds after concrete pours that are a result of failure to coordinate with the Concrete Subcontractor shall be the responsibility of this Subcontractor. All modifications to the designed layout shall be reviewed and approved by the structural engineer.
- 63. <u>Touch-Up Painting</u> This Subcontractor shall supply and apply all paint required for touch-up painting of all structural steel, miscellaneous steel and metal deck.

- 64. <u>Primer</u> <u>This Subcontractor shall be responsible for coordination with the fireproofing Subcontractor to insure</u> the primer used on all fireproofed structural members is compatible with the fireproofing material. Primer must also be applied to exposed areas of embeds. Do not paint surfaces to be welded or connected with high-strength bolts in slip critical connections.
- 65. Welding All weld connections should comply with the Contract Documents for procedures, appearances and quality of welds, and methods used in correcting welding work. See the General Notes in the Contract Drawings for further requirements. Should this Subcontractors work delay all extensions of tower erane infrastructure and use will be paid for by this Subcontractor.
- 66. <u>Hoisting</u> This Subcontractor is responsible for all means necessary to hoist materials into place to complete all work specified in Contract Documents. This Subcontractor has included any and all necessary crane or lifts necessary for all hoisting and rigging for the misc. structural steel. With little site access, this Subcontractor will work with the Construction Manager to generate a hoisting plan that works with the available access on site.
- 67. <u>Fire Watch</u> This Subcontractor will provide a dedicated fire watch during all welding activities.
- 68. <u>Inspections</u> This Subcontractor shall be responsible for all inspections required by this scope of work. All cost associated with failed tests shall be the responsibility of this Subcontractor.
- 69. <u>Remedial Work</u> Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable steel not installed within acceptable tolerances.
- 70. <u>Penetrations</u> This Subcontractor will provide all the penetration support steel per the typical details for all misc. plumbing, mech, and electrical penetrations.

EARTHWORK, HARDSCAPE & LANDSCAPE

- 71. <u>Utility Locating</u> This subcontractor shall be responsible for utility locating by using both 811 and private utility locator. Coordinate with UK for locating campus utilities. This subcontractor must adhere to the Construction Manager's utility avoidance policy and must pothole when locating or excavating around existing utilities.
- 72. <u>Laydown Area</u> This subcontractor shall clear, grub and provide a DGA pad at the 141 Leader Ave laydown area. This subcontractor shall also provide temporary water and sewer connection to the CM construction trailer. All permits associated with these temporary taps will be included by this subcontractor.
- 73. <u>Erosion Control</u> This subcontractor shall provide all perimeter erosion control and as necessary to protect excavations for all utility work. This subcontractor shall provide any additional erosion control measures if the perimeter controls are not adequate to contain erosion caused by this scope of work. This subcontractor shall provide rubber erosion eels around the project perimeter as shown in the Logistic Plan. This subcontractor shall provide inlet protection at newly installed storm structures immediately after construction. This subcontractor shall remove all erosion control once permanent ground cover is established.
- 74. <u>Selective Site Demolition</u> This subcontractor shall be responsible for the following site demolition:
 - Sawcutting and removal of existing concrete sidewalks, walkways, pathways, etc. per the contract documents and logistics plan.
 - Removal of existing top soil and planting beds.
 - Removal and put back of sidewalks on east side of the building for electrical and fire protection runs. Extent of removal and put back as indicated in the Contract Documents.
- 75. <u>Excavation</u> This Subcontractor shall perform excavation to the depths and limits on the drawings and as specified herein. This Subcontractor will remove all existing top soil and replace with 12" of graded and compacted stone suitable for a temporary loading dock and staging area sub-base.
- 76. <u>Survey</u> Prior to construction, the Subcontractor will have the project site staked and certified by a surveyor who is licensed in the state of Kentucky. If discrepancies between actual lines and elevations exist, notify

Construction Manager before proceeding with drilling activities. This Subcontractor shall be responsible for all surveying of the site so that this scope of work may be completed. This may require multiple surveys.

- 77. <u>Finished Grades</u> The Subcontractor is responsible for the importing/exporting of material to achieve the appropriate finish grades. This Subcontractor is also responsible for all slope protection required as per the OSHA Safety requirements.
- 78. <u>Encountering Groundwater</u> This Subcontractor shall provide dewatering of any groundwater if encountered during excavation and fill operations. The Subcontractor shall also be responsible for all temporary and permanent dewatering needed for construction.
- 79. <u>Protection</u> The Subcontractor shall coordinate and do his grading work in a way that protects existing grades, subgrades, and fills from surface water. All demucking and pumping of surface water from excavations, if necessary, is part of this work. Any site walls to remain should be protected by this Subcontractor. Document condition prior to protection being installed. This subcontractor shall protect existing steam vents through durations of project as directed by mechanical engineer.
- 80. <u>Stockpile</u> This Subcontractor will be responsible for all hauling off and hauling in materials needed to complete the necessary scope of work. Due to the limited size of the site, stockpiles shall not be allowed unless an individual exception is made at the sole discretion of the Construction Manager. This Subcontractor understands that as there is little to no staging area, all of the spoils will need to be removed from the project sight and has accounted for such.
- 81. <u>Construction Entrances</u> This subcontractor shall install new construction entrances per the logistics plan. <u>This Subcontractor shall be responsible for the modification and repair of existing site entrance and mudmat as necessary to complete this scope of work. (Reference logistics plan for existing mudmat and entrance location.) This Subcontractor is to maintain control measures by mucking out and disposing of sediment as needed at said entrances. Removal and disposal of construction entrances at prior to backfilling and landscaping will be the responsibility of this subcontractor.</u>
- 82. <u>Site Conditions</u> All other existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If Whiting-Turner is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
- 83. <u>Street Cleaning</u> The Subcontractor shall maintain a safe and clean environment of all streets and sidewalks as a result of this scope of work. This Subcontractor shall ensure that vehicles and/or equipment do not track mud, dirt or dust onto adjacent streets or sidewalks. Any mud, dirt, or dust tracked onto adjacent streets and sidewalks shall be cleaned up immediately.
- 84. This subcontractor must clean the permanent storm structures of any sediment at the conclusion of the project.
- 85. Any existing utility that is exposed during excavation but is intended to remain will be protected for the duration of excavation by this Subcontractor.
- 86. This subcontractor shall provide all utility service markers per the contract documents. This shall include any required for electrical and controls. Coordinate with 23A and 26A for locations
- 87. <u>Stone</u> This Subcontractor shall include all woven geofabric and 8" of stone at job site equipment and pedestrian pathways. (Reference logistics plan for site roads and pathways.) This subcontractor shall freshen up pathways with new stone as necessary, at a minimum of three times at the discretion of the construction manager.
- 88. <u>Temporary Water Connection</u> This subcontractor shall provide and install a temporary metered water connection for used during construction activities. This will be needed specifically by the deep foundations and

concrete trades so pipe sizing and volume requirements should be coordinated with said trades. All cost of temporary water usage shall be included by this subcontractor and paid either to UK or the utility company.

- 89. <u>Hardscape</u> This Subcontractor shall furnish and install all hardscape materials and components in strict compliance with the Contract Documents including but not limited to the following:
 - a) Sidewalks
 - b) Asphalt paving repair including all milling and repaving where impacted during construction
 - c) Replacing curb and gutter where impacted during construction
- 90. <u>Concrete</u> This Subcontractor shall provide all concrete material. This Subcontractor shall also include all equipment and labor to pump the concrete into place including associated clean up, transport concrete to the pouring area, wheelbarrow, buggies, and mobile pump. This includes a minimum of one man per truck when conducting pours. This Subcontractor shall coordinate with the Owner's testing agency as required per the Specifications; this includes, but is not limited to, providing proper cylinders, curing sheds, and test boxes per applicable ASTM sections or as needed. Any additional cylinder breaks requested by this Subcontractor will be paid for by this Subcontractor. In the event that a test should fail, this Subcontractor shall either remove and replace the represented work, or repair the represented area as directed by the Structural Engineer and Architect. All cost associated with additional testing and rework shall be the responsibility of this Subcontractor.
- 91. When pouring, subcontractor will notify the construction manager a minimum of 48 hours prior to any pour.
- 92. All related material to concrete such as curing compound; heated blankets, sealants, etc. are the responsibility of this subcontractor.
- 93. Saw-cutting Saw-cutting required by the Contract Documents shall be the responsibility of this Subcontractor. Construction joints shall be made according to the construction documents. This Subcontractor shall ensure that the work area shall remain clean of dust, concrete waste, excess water, and any other debris caused by the saw cutting process.
- 94. This Subcontractor is responsible for providing or building a concrete washout station, including regular maintenance and cleanout. This includes the removal there of once this scope of work has been completed.
- 95. Misc. Metals Furnish and install all miscellaneous metal items such as handrail and guardrail associated with hardscape and at the exterior entrances. This shall include all Stainless Steel decorative handrail at the exterior of the building.
- 96. This subcontractor shall provide and install all control joints, expansions joints, water stops and joint sealants for hardscaping.
- 97. This subcontractor shall provide and install all base layers for hardscape to include geotextile filter fabric, stone, compacted washed stone, stone aggregate, DGA, etc.
- 98. This subcontractor shall provide and install all reinforcement as required for all hardscaping to include but not limited to the following: rebar, wire mesh, WWF, etc.
- 99. This subcontractor shall provide and install ADA ramps including detectable warning surface.
- 100. <u>Sidewalk Allowance</u> This Subcontractor has included a \$20,000 allowance for the removal and put back of sidewalk. This all allowance will be used at the direction of the Construction Manager, and will be used for any demolition and or put back of existing or new sidewalk at their discretion, above and beyond the noted sidewalks above. Any unused portion of this allowance will be returned to the Construction Manager upon direction.
- 101. <u>Landscape</u> This Subcontractor shall furnish and install ALL landscape materials and components shown or called out for in the Construction Documents including, but not limited to, filling materials, irrigation systems, drainage board, soil testing, plant selections, felt fabric, planting or top soil, bedding, plantings, mulches, composts, light weight planting medium, gravel or decorative rock, turf, sod, shrubs, trees, soil amendments,

existing lawn re-conditioning, sub drainage, maintenance period, and all necessary materials for a comprehensive installation in strict compliance with the Contract Documents.

- 102. This subcontractor shall replace all sod, mulch and landscaping that has been disturbed.
- 103. <u>Steel Edging</u> This Subcontractor will furnish and install steeling edging around all planting beds and as shown in the contract documents.
- 104. <u>Layout</u> This Subcontractor shall provide all additional surveying, engineering, field dimensions, and layout as necessary to complete his work. The layout of this work shall be coordinated with the work of other trades. All work shall be laid out far enough in advance that any discrepancies or conflicts can be resolved without delaying the overall work. Any such discrepancies shall be reported to the Construction Manager in writing (requesting written clarification) prior to proceeding.
- 105. <u>Return Site Laydown to Original Conditions</u> This Subcontractor will put the site lay down back to it's original conditions as indicated in the Contract Documents. This includes, but is not limited to, removal of existing light pole bases, removal of gravel paving, add back of needed topsoil, grass seeding and turf, etc. as indicated in the Contract Documents.
- 106. <u>Existing Soil Condition</u> It is the responsibility of this Subcontractor to examine, test, and investigate the existing soil conditions to identify his materials source compliance.
- 107. <u>Necessary Items for Completion</u> The Subcontractor will provide all items necessary for a complete and total turnkey landscaping package, including compliance with requirements of the Contract Documents, applicable codes, and governing authorities.
- 108. <u>Weather</u> Subcontractor shall proceed with his work only when weather conditions will permit the materials to be installed in accordance with those recommendations.
- 109. <u>Surface Protection</u> Subcontractor is to provide the proper protection for the landscape varies layers including, filling materials, topsoil, planting medium, roots of trees, etc. It is the responsibility of this subcontractor to protect each of landscape layers from weather conditions, erosion, traffic abuse, etc.
- 110. <u>Maintenance</u> This Subcontractor will provide maintenance services for all landscaping work included in this scope of. This maintenance period shall begin upon the date of substantial completion.
- 111. <u>Mobilizations</u> This Subcontractor has included multiple mobilizations to complete this work.
- 112. <u>Trees</u> This Subcontractor shall provide and install all tree staking and gator bags as required by the contract documents.
- 113. <u>Fertilizer</u> This Subcontractor shall provide and install fertilizer and fertilizer tablets as required by the contract documents
- 114. Grading This subcontractor shall be responsible for fine grading and final grading for all landscaping areas.

<u>SPRAY FIREPROOFING</u>

- 115. This subcontractor shall provide and install spray applied, acoustical insulation and the underside of the concrete decks in order to reach 2 hour rating in rooms 102A (Fire Pump), 102A1 (Electrical), and 102B (Generator).
- 116. Deliver, protect, store materials in a manner to prevent moisture infiltration, and handle all material in accordance with the Contract Documents.
- 117. All applications are to be in accordance with manufacture's recommendations in order to receive full warranty from the manufacturer.

118. Provide appropriate testing of substrates prior to application of products.

- 119. Coordinate and provide access for all necessary testing and inspections with Whiting-Turner. Any failed inspections will result in payment of re-inspection by this subcontractor.
- 120. Subcontractor shall clean and prep all surfaces to ensure proper adhesion. Notify WT of any condition that will detrimentally affect this work at least two (2) weeks prior to installation. Commencement of this work shall constitute acceptance of such conditions by this subcontractor.
- 121. Furnish and install sprayed fireproofing per the contract documents and thicknesses as required meeting applicable codes and fire ratings.
- 122. This Subcontractor will provide and install all substrate primers and bonding agents to surfaces as required by the manufacturer to accept the specified fireproofing.
- 123. Protect all adjacent areas and duct work, blowers, vents, conduit, piping, etc, from overspray. Coordinate activities with other trades.
- 124. Subcontractor has included protection and cleaning of any metal stud top tracks, clips for metal studs at interior walls, shaft walls, and soffit areas.
- 125. Scrape clean and sweep floors after fireproofing activities at each location.
- 126. Patching of test areas as required by the testing agency.
- 127. Any rework or re-spraying of fireproofing due to insufficient thickness as determined by the special inspector is the responsibility of this subcontractor.
- 128. Water source for this contractor will be available on the first floor of the building. This subcontractor shall provide hoses as needed to reach all areas requiring water for this scope of work.
- 129. This subcontractor shall include a \$15,000 allowance for patching existing spray fireproofing that may need to be removed or that may become damaged as a result of the new construction. This all allowance will be used at the direction of the Construction Manager and is above and beyond the required spray fireproofing scoped above. Any unused portion of this allowance will be returned to the Construction Manager upon direction.

END OF SPECIFIC SCOPE
UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL Improve Sanders-Brown Center on Aging/Neuroscience Facilities

Subcontract 02A – Selective Demolition

Project No. 2571.0 Project Title: Improve Sanders-Brown Center on Aging/Neuroscience Facilities

Purchasing Officer: Ken Scott

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

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Telephone:_____

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

INVITATION TO BID: CCK-2689-23

BID OPENING DATES: <u>FEBRUARY 28, 2023</u> TRADE CONTRACT DESCRIPTION: ______ Selective Demolition TRADE CONTRACT NO.: <u>02A</u> TIME: 3:00 P.M. E.D.T.

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

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO	DATED
ADDENDUM NO	DATED
ADDENDUM NO	DATED

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

FORM OF PROPOSAL

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

- 1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2689-23</u> have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
- 3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
- 4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
- 5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
- 6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
- 7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
- 8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
- 9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

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

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

Contractor Report of Prior Violations of

Chapters 136,139, 141, 337, 338, 341, and 342

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

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

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

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid <u>CCK-2689-23</u> having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

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

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

FOR THE LUMP SUM OF				
(USE WORDS)				
	DOLLARS AND	CENTS.		
(USE WORDS)	(USE WORDS)		
(\$(USE FIGURES))			
BID ALTERNATES				
Add Alternate No. 1: Controls in	1996 Building			
FOR THE LUMP SUM OF				
	(USE WORDS)			
	DOLLARS AND	CENTS.		
(USE WORDS)	(USE WORDS))		
(\$)			
(USE FIGUR	ES)			

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities UK Project No. 2571.0

Add Alternate No. 2: Consolidated Generators			
FOR THE LUMP SUM OF(USE WORDS)			
	(
	DOLLARS AND _		CENTS.
(USE WORDS)		(USE WORDS)	
(\$)	
(USE FIGUR	RES)		
Add Alternate No. 3: New Lab Va	acuum Pump in 1979 Br	uilding	
FOR THE LUMP SUM OF			
	(USE	WORDS)	
	DOLLARS AND		CENTS.
(USE WORDS)		(USE WORDS)	
(\$)	
(USE FIGUR	RES)	/	
Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes			
FOR THE LUMP SUM OF			
	(USE	WORDS)	
			CENTS
(USE WORDS)		(USE WORDS)	
(\$)	
(USE FIGUR	RES)	/	

BUSINESS CLASSIFICATION

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

(01)	_Small Business	(06)	_Woman-Owned Large Business
(02)	_Large Business	(07)	_Disadvantaged Woman-Owned Small Business
(03)	_Disadvantaged Small Business	(08)	_Disadvantaged Woman-Owned Large Business
(04)	_Disadvantaged Large Business	(09)	_Other

(05) Woman-Owned Small Business

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

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

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities UK Project No. 2571.0

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. N	Minority a	and Women	Subcontractors
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2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

Revised 3/22/06

TRADE CONTRACT – 02A – Selective Demolition

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

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

Unit 02*A* – *Selective Demolition*

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

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

All specifications as they relate to the Selective Demolition scope of work.

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

- <u>Scope of Work</u> It is the intent for this project that the Selective Demolition Subcontractor performs all the work as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% supervision, labor, material, equipment, tools, appliances, warranties and guarantees, and everything necessary to selectively demolish, and prepare Sanders Brown for follow on renovation in full compliance with the Contract Documents.
- 2) <u>PlanGrid License</u> This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
- 3) <u>Environmental Sensors</u> This Subcontractor shall include \$28,400 in their price to include environmental sensors to monitor conditions inside the existing building during demolition and throughout construction. The construction manager will use these funds to procure the sensors and manage the service throughout the project.
- 4) <u>Onboarding Service</u> This subcontractor shall include \$9,000 in their price to include GoContractor onboarding software for the project. These funds will be used by the construction manager to procure the service.
- 5) <u>Logistics Plan</u> This subcontractor shall provide and install temporary floor, wall and cabinet protection as shown on pages 7, 8 & 9 of the logistics plan. This subcontractor shall also seal off all doors with plastic as noted on pages 7, 8 & 9 of the logistics plan.
- 6) <u>Exterior Components Demo</u> This Subcontractor shall demolish all existing exterior components as indicated in the Contract Drawings. This shall include but not be limited to the exterior precast, window systems, and any brick indicated in the Contract Documents. Foam Roofing demolition will be by others. See logistics plan for specific doors to remain during construction.
- 7) <u>Interior Components Demo</u> This Subcontractor shall demolish all interior components as indicated in the contract documents. This shall include but not be limited to all walls, saw cutting and removal of noted slab on grade areas saw cutting and removal of noted elevated slab openings, (coordinate with the MEP subcontractors for the full extents of slab cutting/removal as required by the BIM coordination model), remaining furniture,

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities UK Project No. 2571.0

and equipment, walk in cold rooms or freezers, and all noted MEP systems. Electrical and water will be shut off and isolated by others. This Subcontractor will work with the MEP Subcontractors to identify and protect any and all isolation points.

- 4th Floor DLAR Demo The 09A contractor shall be responsible for the shaft wall demolition in the 4th floor (1979) DLAR space. (AD-1.4a note 32.) This subcontractor can exclude demolition of these items.
- 9) <u>Remaining MEP Demo</u> This Subcontractor shall demolish existing MEP utilities under basement flooring and demo all other MEP items remaining in building as indicated in the Contract Drawings.
- Hazardous Materials All known Asbestos Containing Materials (ACM) were removed by the Owner. Should
 any hazardous material be encountered during this phase of demolition, it will be treated as a change order
 condition.
- Misc. Manpower This Subcontractor has provided an additional 200 labor hours for additional demolition that is above-and-beyond what is required for this scope of work to be identified and directed by the Construction Manager. Any unused labor will be credited back to the Construction Manager at any time.
- 12) <u>Disposal</u> This Subcontractor shall provide a means of disposal for all demolished materials within this scope of work. Trash chutes will be allowed for removal work on Levels 2 & 3 only. Any trash chutes are to be coordinated with the Construction Manager prior to delivery and set up. This Subcontractor will work with the Construction Manager to coordinate dumpster and trash chute placement, including any requested adjustments or relocations by the Construction Manager.
- 13) Hoisting This Subcontractor has included all means for hoisting and removal of the exterior skin.
- 14) <u>Lane Closure</u> This subcontractor shall be responsible for the cost of overnight lane closures on Limestone in order to remove precast panels from the existing face of the Sander-Brown building.
- 15) <u>Shoring</u> This Subcontractor shall coordinate with the Masonry Subcontractor for building shoring prior to demo of any masonry. This Subcontractor shall also provide and maintain any necessary temporary shoring as indicated in the Contract Documents.
- 16) <u>Coordination</u> The Subcontractor acknowledges that portions of this Subcontractor's scope of work are to be completed in conjunction with work by others and agrees to all coordination and sequencing as required. All demolition activities that could affect nearby occupied buildings must be cleared with the Construction Manager one week in advance. All deliveries must be coordinated with the Construction Manager in advance of the delivery.
- 17) Protection of Rooms 214 & 220 This Subcontractor will diligently and aggressively protect Rooms 214 & 220 on Level 2 including any electrical or MEP feeds to the room. This room is to remain functional and in service, without interruption, for the entirety of the project. Prior to any demolition on Level 2, this Subcontractor will work with the MEP Subcontractors to identify, trace, and protect the existing electrical, mechanical, and plumbing feeds to this room. During demolition operations, this Subcontractor will ensure protection of the same from ongoing work. Should the room or the room's feeds be interrupted by work performed by this Subcontractor, all costs required to bring it immediately back into service by this Subcontractor or the Construction Manager will be borne by this Subcontractor.
- 18) <u>Fall Protection</u> At any opening created by this Subcontractor that creates a fall hazard greater than 4ft, this Subcontractor shall provide a permanent means of fall protection which meets all OSHA and Whiting-Turner fall protection standards. This includes, but is not limited to, installing fall protection at all shafts and building openings with orange netting for visibility. All openings will include one embedded anchor with a tie off retractable lanyard, along the perimeter of Level 2 and 3, an embedded anchor with a tie off retractable lanyard will be located at each column line prior to the removal of skin. Perimeter lanyards do not eliminate this Subcontractor's responsibility to build and maintain OSHA rated perimeter handrails. All retractable lanyards will be installed in order to allow construction of planned walls without being relocated. All retractable

lanyards will remain in place until the fall hazard has been eliminated. Retractable lanyards to be new and maintained in good working condition or replaced as needed.

- 19) Out of Sequence Work This Subcontractor agrees and understands that some work may be required to be performed out of sequence to facilitate the construction schedule. This will include, at a minimum, three mobilizations to perform selective demolition.
- 20) <u>Protection</u> This Subcontractor shall take measures required to protect existing structures during all work performed. This Subcontractor is to provide dust control measures and public safety mechanisms to be adequate to owner's standards for the University of Kentucky's campus. All protective measures are to be outlined in Subcontractor's site plan and schedule to be given to Whiting-Turner Construction Manager prior to any work beginning. This subcontractor shall protect the bottom 2' of the round concrete columns at Level 1 exterior. This subcontractor shall use impact board or similar.
- 21) <u>Protection of Materials</u> This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
- 22) <u>Break Area</u> This Subcontractor shall provide a communal break area for the project. All items will become property of the owner at the conclusion of the project. This shall include providing and setup of the following:
 - a) 6x Commercial outdoor fans Tornado 24 Inch or similar <u>https://www.amazon.com/Tornado-Circulator-Industrial-Commercial-</u> <u>Residential/dp/B07DVPWG6L/ref=sr 1_9?dchild=1&keywords=outdoor+fans&gid=1626131257&sr=8-9</u>
 - b) 5x 6ft plastic folding table
 - c) 20x plastic folding chairs
 - d) 5x 75ft Masterplug Cord Storage Reel or similar <u>Amazon.com: Masterplug OLP751512G4SLU-US</u> <u>OTMP501512G4SL-US Cord Storage Reel, Grey/Green, 75 Ft : Everything Else</u>
 - e) 2x TRINITY PRO Black 4-Tier Rolling Steel Wire Garage Shelving Unit or similar <u>TRINITY PRO</u> Black 4-Tier Rolling Steel Wire Garage Storage Shelving Unit (48 in. W x 77 in. H x 24 in. D) <u>TBFPBA-0925 - The Home Depot</u>
- 23) <u>Traffic Control</u> This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
- 24) <u>Add Alternates</u> This Subcontractor shall review the alternates as shown in the Contract Documents. This Subcontractor shall provide alternate pricing for the alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. Items listed below shall part of this Subcontractor's scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification.
 - a) Add Alternate #2 This subcontractor shall demo exterior wall opening for new louver for consolidated generator.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL Improve Sanders-Brown Center on Aging/Neuroscience Facilities

Subcontract 09A – Drywall & Ceilings

Project No. 2571.0 Project Title: Improve Sanders-Brown Center on Aging/Neuroscience Facilities

Purchasing Officer: Corey Leslie

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

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Telephone:_____

TO:	BID CLERK	
	UNIVERSITY OF KENTUCKY	
	CAPITAL CONSTRUCTION	l
	PROCUREMENT	-
	RM. 322 SERVICE BUILDING	9
	411 SOUTH LIMESTONE	-
	LEXINGTON, KY 40506-0005	-

INVITATION TO BID: CCK-2689-23

BID OPENING DATES: February 28, 2023
TRADE CONTRACT DESCRIPTION:
CFMF, Sheathing & Drywall
TRADE CONTRACT NO.: 09A
TIME: 3 <u>:00 P.M. E.D.T.</u>

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

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO	DATED
ADDENDUM NO	DATED
ADDENDUM NO	DATED

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

FORM OF PROPOSAL

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

- 1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2689-23</u> have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
- 3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
- 4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
- 5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
- 6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
- 7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
- 8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
- 9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

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

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

Contractor Report of Prior Violations of

Chapters 136,139, 141, 337, 338, 341, and 342

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

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

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

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid <u>CCK-2689-23</u> having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

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

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

FOR THE LUMP SUN	1 OF	
	(USE WORDS)	
(USE WORDS)	DOLLARS AND(USE WORDS)	CENTS.
(\$(USE FIGURES)	
BID ALTERNATES		
Add Alternate No. 1: C	ontrols in 1996 Building	
FOR THE LUMP SUN	1 OF(USE WORDS)	
(USE WORDS)	DOLLARS AND(USE WORDS)	CENTS.
(\$(L	JSE FIGURES)	

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities UK Project No. 2571.0

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF	
(USE WORDS)
USE WORDS)	NDCENTS. (USE WORDS)
(\$(USE FIGURES))
Add Alternate No. 3: New Lab Vacuum Pump in 19	79 Building
FOR THE LUMP SUM OF	
(USE WORDS)
USE WORDS)	IDCENTS. (USE WORDS)
(\$)
(USE FIGURES)	
Add Alternate No. 4: Level 01 Lobby and Corridor F	loor Finishes
(USE WORDS)
USE WORDS)	IDCENTS. (USE WORDS)
(\$(USE FIGURES))

BUSINESS CLASSIFICATION

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

(01)	_Small Business	(06)	_Woman-Owned Large Business
(02)	_Large Business	(07)	_Disadvantaged Woman-Owned Small Business
(03)	_Disadvantaged Small Business	(08)	_Disadvantaged Woman-Owned Large Business
(04)	_Disadvantaged Large Business	(09)	_Other

(05) Woman-Owned Small Business

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

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

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities UK Project No. 2571.0

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. N	Minority a	and Women	Subcontractors
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2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

Revised 3/22/06

TRADE CONTRACT – 09A – Drywall & Ceilings

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

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

Unit 09A – Drywall & Ceilings

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

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

Drywall & Ceilings as specified in Contract Documents.

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

- <u>Scope of Work</u> The CFMF, Sheathing & Drywall Subcontractor shall perform all the work as scoped herein and as specified in the Project Manual and Contract Drawings. The technique used to install the drywall and framing systems will be the responsibility of this Subcontractor. The techniques established shall allow for all requirements set forth in the Contract Documents. This Subcontractor will furnish 100% supervision, labor, material, hoisting, rigging, equipment, tools, appliances, warrantees, guarantees, shop drawings for all drywall, framing, sheathing, drywall - including but not limited to the following:
 - Provide and install all CFMF and exterior sheathing.
 - Provide and install all interior metal framing and drywall for partitions. Finish drywall.
 - Provide and install all vertical and horizontal shaft assemblies related to Chase B and all shaft assemblies for MEP shafts.
 - Provide and install all batt and or rigid foam insulation indicated in the Contract Documents.
 - Provide and install drywall soffits
 - Receive and install new door frames in drywall partitions. Door frames provided by others.
 - Provide and install all wood blocking indicated in the contract documents. In-wall blocking shall be treated
 as required by the Contract Documents. This subcontractor shall provide all in-wall wood blocking for lab
 casework, millwork, accessories, visual display boards, TV brackets, corner guards, wall and ceiling
 mounted equipment, owner furnished items and equipment, etc. This subcontractor shall coordinate with
 and install in-wall wood blocking for other trades per their shop drawings or blocking drawings.
 - Provide and install all joint sealants for all top and bottom of wall conditions required by the Contract Documents. Provide all joint sealants and accessories for control and expansion joints in drywall walls.
 - This Subcontractor shall be responsible for labeling all walls with ratings regardless of wall construction.
 - This Subcontractor shall provide control lines on each floor to be used by other trades for locating all interior installations. This shall include noting the ceiling height on the floor of each room.
 - This Subcontractor shall install fire treated plywood to all walls of each telecommunications room.
 - This Subcontractor shall provide and install all edge of slab firestopping as indicated.
 - All drywall for this project shall be moisture resistant type. Due to the façade removal/replacement duration
 we will need to hang interior drywall prior to final dry-in. In order to mitigate moisture/mold risks all
 drywall shall be priced as moisture resistant.
 - This subcontractor shall provide and install metal column covers at interior square columns and metal snap on column covers at exterior round columns as shown on the contract documents.

- This subcontractor shall demolish existing shaft walls in 4th floor DLAR area using means and methods to create as little dust as possible and following 015200 – Vivarium Construction Protocols. This subcontractor shall carefully remove wall protection and ceiling tiles and reinstall once new shaft is complete. This subcontractor shall provide a guardrail at the shaft opening while it is open for MEP installations.
- 2. <u>Coordination</u> This Subcontractor acknowledges that portions of this scope of work are to be installed in conjunction with work by others and agrees to all coordination and sequencing as required. All deliveries must be coordinated with the Construction Manager.
- <u>PlanGrid License</u> This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
- 4. <u>Mobilization</u> This Subcontractor may be required to perform more than one mobilization as a requirement of this scope of work.
- 5. <u>Finish</u> This Subcontract shall provide the gypsum board finish level in accordance with the Contract Documents. The finished drywall shall be plumb, level, and true to line, and must have a smooth and unblemished finish ready for the application of surface treatments by others. This Subcontractor understands that the exposed elements of work performed under this subcontract are an integral part of the finished product and will install all such items in a manner clearly indicative of the best trade practices possible. Any items installed in a manner not representing the best workmanship possible shall be reworked until they meet with the approval of the Construction Manager and the Architect. This Subcontractor will wipe-down all walls after completion of finishing prior to prime painting of walls (painting by others) to remove any drywall paper raised from the sanding process. This includes finishing all walls within the limits of construction, including any existing walls not specifically called out in the Construction Documents. This Subcontractor has included a \$25,000 finishing allowance that is above and beyond the provided base finishing. This allowance will be used at the discretion of the Construction Manager, with any unused portion being returned at any time to the Construction Manager.
- 6. <u>Caulking</u> This Subcontractor shall provide all acoustical caulking and fire resistive joint sealants at floors and structure at all walls related to this scope of work.
- 7. Expansion & Control Joints This Subcontractor shall be responsible for furnishing and installing all expansion and control joints associated with the drywall and ceiling scope of work whether shown or not in the Contract Documents, specifically along walls and ceilings, in accordance with the specifications and or the USG requirements. Flooring expansion joints will be provided by others. This includes walls within the limits of construction, but not specifically called out in Construction Documents. This subcontractor shall specifically include the Interior Expansion Joint Ceiling and Wall Assemblies shown on A-5.7 and Penetration Firestopping expansion joint at horizontal shaft assembly at Chase B shown on A-4.8. Exterior expansion joint EJ-EXT2 and roof expansion joints are by others.
- 8. <u>Cold Formed Metal Framing (CFMF)</u> This Subcontractor shall engineer, fabricate, provide and install all necessary CFMF for the project.
- 9. <u>Blocking</u> This Subcontractor shall be responsible for furnishing and installing all in-wall blocking to support the intended loads as detailed in the Contract Documents. This includes, but is not limited to, all bathroom accessories, marker and display boards, millwork, handrails, flat panel TV monitors, shelving, window blinds, wall bumper guards, all Owner supplied & installed equipment, etc.; all to be in strict accordance with the Contract Documents, including any required fire-retardant wood blocking. This Subcontractor will be provided plans for blocking. Blocking for curtain wall, aluminum windows, and storefront entrances shall be by this Subcontractor. The intent is that if the Contract Drawings show blocking for fit out, this Subcontractor will provide and install it. Unless otherwise noted in the Contract Documents, this Subcontractor will provide substantial blocking. Layout and dimensions assistance may come from others, but this Subcontractor will

coordinate with the Construction Manager and other Subcontractors to install all wood blocking as indicated in the Contract Documents.

- 10. Protection of Room 214 & 220 This Subcontractor will diligently and aggressively protect Room 214 & 220 on Level 2 including any electrical or MEP feeds to the room. These rooms are to remain functional and in service, without interruption, for the entirety of the project. During installation operations, this Subcontractor will ensure protection of the same from ongoing work. Should the room or the room's feeds be interrupted by work performed by this Subcontractor, <u>all costs</u> required to bring it immediately back into service by this Subcontractor or the Construction Manager will be borne by this Subcontractor.
- 11. <u>Fire-Safing/Fire-Stopping</u> This Subcontractor shall be responsible for furnishing and installing all firesafing/fire stopping as required by the Contract Documents for this scope of work. Fire-Safing / Fire-Stop shall be by others for all penetrations made by others for piping, ductwork, etc. This Subcontractor shall include firestopping at top of wall details and at gap between exterior wall and roof decking.
- 12. <u>Insulation</u> This Subcontractor shall furnish and install all in wall or above ceiling loose fill and rigid insulation whether for sound or temperature insulation. This includes all insulation required in soffits as well as above any ceilings and in walls as called out on the Contract Documents. This Subcontractor will provide and install all spray applied, noise & vibration reducing, ceiling fiberglass fiber reinforced wall & ceiling surfacing systems as indicated in the Contract Documents.
- 13. Temp Exterior Protection This Subcontractor will provide a temporary weather protection barrier along the perimeter of Levels 1, 2, and 3 and at level 4 on 1996 portion only as demolition of the exterior building skin is conducted. As a portion of the existing building exterior becomes demolished and exposed to the outside elements and weather, this Subcontractor shall install a coordinated temporary weather protection barrier on that portion to ensure no weather intrusion or damage will occur to building interior. This temp barrier will be coordinated with both the Demolition & Glass/Glazing Subcontractors and Whiting-Turner prior to installation for both placement and access needs. It will consist of some type of easily installed wood or pre-manufactured barrier that will run the length of the removed skin and be easily modifiable to accommodate ongoing demolition, and subsequent construction, while maintaining an appropriate level of weather protection. The temporary barrier should include at a minimum 3-5/8" 18GA CFMF studs at 16" O.C. with 5/8" glass-mat exterior sheathing on the exterior side and stud cavities filled with batt insulation. Means and methods for making the barrier weathertight shall be at the discretion of this subcontractor and approved by Construction Manager prior to installation. This temporary barrier will remain in place until such time that the new exterior skin is in place. This Subcontractor shall be responsible for the removal of the temporary barrier and will coordinate with the Construction Manager such that there is an agreed upon system for removal that maintains the necessary protection of the building interior.
- 14. <u>Sheathing</u> This Subcontractor is responsible for all exterior wall sheathing as detailed in the Contract Documents.
- 15. <u>EIFS</u> This subcontractor shall be responsible for installing new EIFS shown on the contract documents. This shall specifically include patching the EIFS soffit where it meets the new metal panel soffit near Stair B and providing an EIFS coating over the masonry infill at the existing Level 1 Stair B door.
- 16. <u>Installation of Hollow Metal Door Frames in GWB</u> This Subcontractor shall install all hollow metal door frames in GWB walls, furnished by others. This Subcontractor shall install hollow metal frames plumb, rigid, properly aligned, and securely fastened in place. Once a frame is installed, this Subcontractor will provide a robust plastic or cardboard frame protection system for 4' minimum on each jamb. Extras will be maintained on site in order to replace any lost or damaged frame protectors.
- 17. <u>Receiving Material Provided by Others</u> This contractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this Subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to all door frames & access panels. Any repair or replacement due to failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.

- 18. <u>Layout</u> This Subcontractor shall be responsible for all walls, ceilings, door frame, and window opening layout.
- 19. <u>Storage</u> This Subcontractor is responsible for protection of all stored materials on site. Special precautions will be required due to increased wind loading and weather conditions. This includes items such as protecting stored drywall with plastic, bundling of studs, proper distribution of stored drywall to prevent overloading the structure, etc.
- 20. <u>Quality Control</u> This Subcontractor shall respond both in regard to corrective action and with written notification to the Construction Manager of Quality Control Reports that are noted as being deficient. Corrective action and written notification is required within 48 hours of issuance of the deficient Quality Control Report, unless the deficiency requires a more rapid response which would make the needed corrections to be made within 24 hours of issuance of the report. Issued QC Reports will show the required time to correct any deficiencies. Any delays and cost caused to other Subcontractors who are directly associated to a lack of response to a deficient QC Report by this Subcontractor will be the responsibility of this Subcontractor. If no response is given, payment may be withheld until corrections are made.
- 21. <u>Protection of Materials</u> This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
- 22. <u>Remedial Work</u> This Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable work not installed within acceptable tolerances as described in the specifications. This work includes but is not limited to all removal and replacement as required to remedy all deficiencies as a result of this Contractor's work. The Subcontractor shall also be responsible for any damages prior to inspection and acceptance by the Construction Manager, Engineers and Owner.
- 23. <u>Traffic Control</u> This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
- 24. <u>Add Alternates</u> This Subcontractor shall review the alternates as shown in the Contract Documents. This Subcontractor shall provide alternate pricing for the alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. Items listed below shall part of this Subcontractor's scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification.

Add Alternate #2 – This subcontractor shall patch and repair the EIFS soffit as shown on A-6.1b.

END OF SPECIFIC SCOPE

UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT SECTION FORM OF PROPOSAL Improve Sanders-Brown Center on Aging/Neuroscience Facilities

Subcontract 26A – Electrical & Fire Alarm

Project No. 2571.0 Project Title: Improve Sanders-Brown Center on Aging/Neuroscience Facilities

Purchasing Officer: Ken Scott

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

This Proposal is submitted by:

(NAME AND ADDRESS OF BIDDER)

Date:_____

Telephone:_____

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

INVITATION TO BID: CCK-2689-23

BID OPENING DATES: <u>February 28, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Electrical & Fire Alarm</u> TRADE CONTRACT NO.: <u>26A</u> TIME: 3:00 P.M. E.D.T.

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

The Bidder hereby acknowledges receipt of the following Addenda:

ADDENDUM NO	DATED
ADDENDUM NO	DATED
ADDENDUM NO	DATED

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

FORM OF PROPOSAL

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

- 1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
- That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. <u>CCK-2689-23</u> have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
- 3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
- 4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
- 5. This offer is good for 60 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
- 6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
- 7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
- 8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
- 9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

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

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

Contractor Report of Prior Violations of

Chapters 136,139, 141, 337, 338, 341, and 342

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

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

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

LUMP SUM PROPOSAL

The Bidder, in compliance with the Invitation to Bid <u>CCK-2689-23</u> having examined the drawings, specifications, related documents and having visited the site of the proposed work, and being familiar with all the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby submits the following bid to furnish all labor, materials, and supplies and to construct the project in accordance with the Bid Documents within the time set forth therein and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Bid is a part.

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

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

JM OF		
(USE WORDS)		
DOLLARS AND _	(USE WORDS)	CENTS.
(USE FIGURES)	_)	
Controls in 1996 Building		
JM OF		
(USE WORDS)		
DOLLARS AND _	(USE WORDS)	CENTS.
	_)	
	JM OF (USE DOLLARS AND _ (USE FIGURES) JM OF (USE DOLLARS AND _ (USE FIGURES)	JM OF (USE WORDS) DOLLARS AND

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities UK Project No. 2571.0

Add Alternate No. 2: Consolidated Generators					
FOR THE LUMP SUM OF	(USE	WORDS)			
	(002				
	_ DOLLARS AND _		_CENTS.		
(USE WORDS)		(USE WORDS)			
(\$)			
(USE FIGURE	S))			
Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building					
FOR THE LUMP SUM OF					
(USE WORDS)					
			CENTS		
(USE WORDS)		(USE WORDS)			
(\$)			
(USE FIGURE	S))			
Add Alternate No. 4: Level 01 Lob	by and Corridor Floor	Finishes			
FOR THE LUMP SUM OF					
	(USE WORDS)				
			CENTS		
(USE WORDS)		(USE WORDS)			
(\$)			
(4	S))			
•	-				

BUSINESS CLASSIFICATION

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

(01)	_Small Business	(06)	_Woman-Owned Large Business
(02)	_Large Business	(07)	_Disadvantaged Woman-Owned Small Business
(03)	_Disadvantaged Small Business	(08)	_Disadvantaged Woman-Owned Large Business
(04)	_Disadvantaged Large Business	(09)	_Other

(05) Woman-Owned Small Business

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

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

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

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

ITEM	UNIT	COST PER UNIT
FOREMAN	HR	
JOURNEYMAN	HR	
APPRENTICE	HR	

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1.	Minority and Women Subcontractors
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2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

Revised 3/22/06

TRADE CONTRACT – 26A – Electrical & Fire Alarm

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

Unit 26A – Electrical & Fire Alarm

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

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

All specifications as they relate to the Electrical, Telecommunications and Fire Alarm scope of work.

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

- <u>Scope of Work</u> It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, temp. shoring, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
- Building Information Modeling (BIM) Coordination shall be 3-D VDC, based on the Whiting-Turner BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This Subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings.
- <u>PlanGrid License</u> This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
- 4. <u>Touchplan License</u> This Subcontractor shall include the cost for the Touchplan virtual scheduling tool license for the duration of the project. The Construction Manager shall purchase, control, and have administrative rights over the Touchplan account. The total cost for 18 months is \$10,8000.
- 5. This Subcontractor is responsible for the complete construction of the Electrical work per the intent of the project documents, in preparation for new construction, and in coordination with the Construction Manager, University of Kentucky, and all other trades.
- 6. This subcontractor shall permanently de-energize existing circuits for items that are scheduled to be demoed prior to and in sequence with the overall demolition being provided by the 02A Trade Contractor.
- 7. Logistics Plan This subcontractor shall perform the following scopes which are referenced on the Logistics Plan:
 - a. Provide power feeds from temporary substation to Construction Manager's jobsite trailer at 141 Leader Ave.

- b. Provide temporary power for laydown area at 141 Leader Ave.
- Provide underground temporary conduit from temporary telephone pole to CM jobsite trailer for Internet Service Provider connection to trailer.
- d. Remove existing lightpole bases/circuits at 141 Leader Ave. back to College of Pharmacy.
- e. Remove existing temporary electrical panels at 141 Leader Ave.
- f. Remove existing temporary telephone pole at 141 Leader Ave. at completion of project.
- g. Provide perimeter lighting on site fencing at laydown area and at Sanders-Brown
- h. Provide lighting at covered walkways on the back of the Sanders-Brown building.
- 8. This contractor is responsible for all work required to complete the Contract Documents intent. Including any additional materials required to install systems per revised layout of the coordination drawings:
 - a.) Electrical
 - b.) Electrical fixtures
 - c.) Site Electrical
 - e.) Security (Rough-in only)
 - f.) Telecommunications
 - g.) Fire Alarm
 - h.) Grounding & Lightning Protection
- 9. <u>Primary Electrical Feeds</u> The primary electrical feeds and electrical transformer for the building are being reused. This Subcontractor shall be responsible for tying onto the existing building switchgear for temporary construction power and for permanent power.
- 10. <u>Buck Hoist Temporary Feed</u> This Subcontractor will provide and install a temporary power feed and connect the same to the Buck Hoist on west side of the building. This Subcontractor will coordinate with the General Requirements Subcontractor and the Construction Manager on layout and orientation for the same. This Subcontractor has included a complete system for the feed, breakers, conduit, feeders, disconnects, supports, and the removal of the same when the Buck Hoist is to be removed from the site. See logistics plan for additional information.
- 11. <u>Temporary Electrical Feed for Rooms 220 (1996 Side of the Building) & 214 (1979 Side of the Building)</u> This Subcontractor will provide and install two (2) 100A feeds from the adjacent Student Health Building's backup generator to temporarily feed Room 220 & 214 with emergency power for the duration of Construction. This will include, but not be limited to, all necessary shutdowns to the existing gear, tie ins, breakers, manual disconnects, conduit, feeders, armored cabling, install pathways above ceilings back to Sanders Brown, exterior pathways, protection of the lines, and tie in to Room 220 & 214's existing panels. The intent is that the existing power system to the 1979 portion of the building will be disabled, and these feeds will provide continuous temporary power, with emergency backup, for these two rooms, while Sanders Brown is renovated. This Subcontractor will coordinate with the University and the Construction Manager all pathways, materials, and one-line diagrams in the form of a written plan prior to proceeding with this work. This Subcontractor will work diligently, including any necessary overtime, to install this work prior to the onset of demolition activities on Level 2.
- 12. Protection of Room 214 & 220 This Subcontractor will diligently and aggressively protect Room 214 & 220 on Level 2 including any electrical or MEP feeds to the room. These rooms are to remain functional and in service, without interruption, for the entirety of the project. Prior to any demolition on Level 2, this Subcontractor will work with the Demolition and MEP Subcontractors to identify, trace, and protect the existing electrical, mechanical, plumbing and fire protection feeds to this room. During installation operations, this Subcontractor will ensure protection of the same from ongoing work. Should the rooms or the room's feeds be interrupted by work performed by this Subcontractor, all costs required to bring it immediately back into service by this Subcontractor or the Construction Manager will be borne by this Subcontractor.
- 13. <u>Refeed of Room 214</u> This Subcontractor will work with the Construction Manager and HVAC Subcontractor to refeed the electrical feeds to the panel in Room 214. This will consist of running all conduit and wiring such that the necessary shut down and swap over is able to be done within one day. This swap over will not be performed until the Temporary Electrical Feed, noted above, is in place and operational. The refeed will be

installed with appropriate disconnects to allow seamless transfer between temporary and permanent power, once permanent power is ready to be utilized.

- 14. <u>Fire Pump Feed</u> This Subcontractor will provide the new fire pump feed from the existing transformer and into the building as a complete system. This Subcontractor will work with the Site Work Subcontractor and the Construction Manager to coordinate the amount of sidewalk that needs to be removed and poured back, which will be performed by the Site Work Subcontractor. Additionally, this Subcontractor will coordinate with the University and the Construction Manager for all necessary Transformer shutdowns and tie-ins. This Subcontractor has included all necessary digging, back filling, spoils removal, core drilling, patching, conduit, and feeders necessary for a complete fire pump feed as indicated in the Contract Drawings.
- 15. <u>Electrical Panels</u> This Subcontractor understands that the electrical panels will be procured early by the University. As a result, the OFCI electrical panels will be received and inventoried, in writing, by this Subcontractor. This Subcontractor has included any necessary temporary insured storage of panels until they are needed on site, all coordination, shaking out of panels, inspection, installation, and connections to the same.
- 16. Generator This subcontractor shall provide and install the generator and generator day tank including all piping and controls between generator and generator day tank. Provide fuel tank alarms and generator remote annunciator including all wiring for a complete system.
- 17. <u>VFDs</u> This Subcontractor shall be responsible for mounting and wiring VFDs provided by others. This Subcontractor shall also be responsible for all pathways and wiring from VFD to equipment.
- 18. <u>Lighting</u> This Subcontractor shall be responsible for all lighting as required by the Contract Documents to include but not be limited to the following:
 - Light fixtures
 - Exit Signs
 - Switches
 - Occupancy Sensors
 - Lighting Controls
 - Power supplies
 - Remove, rewire and replace existing lighting as indicated
- 19. <u>Equipment Power</u> This Subcontractor shall be responsible for final electrical connections to all equipment as indicated on the Contract Documents. This shall include but not be limited to:
 - Door auto-operator
 - Fire Alarm Panels & Annunciator
 - Two-Way Communication Master Panel
 - Trap primer unit
 - Power for security/access control panels
 - Power for BAS controllers
 - Elevator & Elevator Cab Lights
 - VAV Controls
 - Split System Units (IDUs & OUs)
 - Condensate Pump
 - Fire Pump
 - Air Compressor
 - Smoke Dampers
 - Water Heaters
 - Elevator Sump Pump
 - Exhaust Fans
 - Lighting Controls Panel
 - Tie-ins to Lab Ceiling Utility Panels
 - Lab Casework power tie-ins

- 20. <u>Telecommunication</u> This Subcontractor shall provide all material and labor required for a complete telecommunication install as required by the Contract Documents. This shall include but not be limited to the following:
 - MDF racks
 - Patch panels
 - Grounding bar
 - Fiber
 - Data receptacle/ports/jacks
 - Data drops for security/access controls
 - Terminations of all data cables
 - Testing of all data cables
 - Tie-ins to Lab Ceiling Utility Panels
 - Data drop for BacNet IP devices including but not limited to:
 - BAS Reporting Devices
 - Lighting Controller
 - Elevator Controller
 - Security points such as card readers
- 21. Lighting Controls This Subcontractor shall provide lighting controls and sequence of operations.
- 22. <u>Grounding</u> This Subcontractor shall be responsible for all grounding and lightning protection as required by the Contract Documents. Provide lightning protection at data cables where they enter the building and transition to indoor rated cabling at that point.
- 23. This Subcontractor shall be responsible for all pathways for this scope of work as well as for Security. This shall include all conduit, boxes, raceways, flexible conduit, etc. This Subcontractor is responsible for all pathways with the exception of those required for HVAC Controls which will be completed by 23A.
- 24. <u>Security Rough-in</u> This Subcontractor shall be responsible for all conduit, boxes and raceway required for access control, security, and video surveillance. Coordinate with 08A for full rough-in requirements. This Subcontractor shall provide pathway into concrete bases for security bollards at the main entrance.
- 25. <u>Fire Alarm</u> This subcontractor shall carry a price of \$125,000 to have Johnson-Control/Simplex perform the fire alarm rework for this project. This Subcontractor (via Simplex) shall be responsible for all design, material and labor required to provide, install, program, test, and commission the complete fire alarm system for the building.
- 26. This Subcontractor shall provide all fire alarm control panels, annunciator panels, network interface panel, fiber connection, etc. as required by the Contract Documents.
- 27. This Subcontractor shall provide all fire alarm devices as required by the Contract Documents to include but not be limited to:
 - Speaker and flashing light combo
 - Speaker
 - Flashing light
 - Break glass station
 - Smoke detector
- 28. This Subcontractor shall wire and monitor the following devices provided by others as required by the Contract Documents:
 - Tamper switches
 - Flow switches
- 29. This Subcontractor shall provide fire alarm connection for building security/access control panels

- 30. This Subcontractor shall provide all relays required for fire alarm connections to the elevator.
- 31. <u>Equipment Pads</u> Lay out all locations and sizes of equipment pads required for this scope of work and submit a shop drawing. Pads provided by others.
- 32. <u>Access Doors</u> Furnish all access doors required for access to electrical & fire alarm system. Access doors to be installed by others.
- 33. <u>Fire Stopping</u> Provide fire stopping at all electrical & fire alarm penetrations through rated assemblies.
- 34. <u>Protection</u> This Subcontractor shall be responsible for identification and protection of all work that will remain exposed after installation. Costs to repair or replace inadequately protected work that becomes damaged shall be borne by this Subcontractor.
- 35. Subcontractor shall seal all penetrations where electrical wire or conduit penetrates interior or exterior partitions. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer's recommendations before waterproofing is installed.
- 36. <u>Electrical Supports</u> This Subcontractor shall be responsible for mounting of all devices, equipment, etc. related to this scope of work. This shall include all means and methods include additional steel supports, unistrut supports, threaded rod, hangers, etc.
- 37. <u>Labeling</u> Furnish and install labels and signage which meet Contract Documents along with the governing code for electrical systems. Identification (labels, tags, schedules, engravings, etc.) for all items including conduits and raceways provided by this unit of work. Temporary labels and schedules are required for any panels and switchgear that are activated. Update labels as work is installed.
- 38. <u>Temporary Power</u> Provide conduit, cable, and panels for temporary power within the building and onsite during construction. Furnish, install and wire power stands at each floor and for site and break area. The intent is to provide a panel and multiple power stands for site, a panel and multiple stands for the break area and a panel and multiple stands for the building. This temporary power shall be fed from the main building transformer and all required equipment, conduit and devices from this point is the responsibility of this Subcontractor. See site logistics plans for details.
- 39. <u>Temporary Lighting</u> Provide temporary lighting for entire building to include all fixtures, pathways, junction boxes & wiring and feed from temporary service during construction. Use low voltage construction lighting system such as clear-vu Flex SLS 3.0 system. Install lighting as needed to maintain OSHA required light levels and adjust or add lighting as walls are added. Provide site lighting capable of maintaining a minimum of four foot candles. This Subcontractor shall also provide temporary lighting at temporary fencing and temporary pedestrian walkways. See site logistics plans for details. This subcontractor shall provide two (2) MXF041-1XL Milwaukee Rocket Tower Lights with MX Fuel Red Lithium XC406 Battery Pack for planned night work on exterior of building. These temporary lights will be turned over to the construction manager and used at the
- 40. This subcontractor shall be responsible for coordination of slab on grade saw cutting and removal for 02A -Demolition and new slab on grade installation with other trades per BIM coordination drawings. This subcontractor shall provide a coordination drawing detailed with specific locations for existing slab on grade to be cut/removed so that this subcontractor's work below slab can take place. Slab removal shall be by 02A after coordination. This subcontractor shall be responsible for excavation/trenching below slab for this work and shall be responsible for installation of rock bedding for new piping installed. This subcontractor shall be responsible for all inspections of under slab piping. Concrete pour back to be completed by others. Any rework, as a result of failure to coordinate work by this subcontractor, shall be the responsibility of this subcontractor.
- 41. <u>Commissioning</u> Provide commissioning support including but not limited to the following:
 - Completion of commissioning documentation
 - Attendance in commissioning meetings when directed by The Construction Manager

- Onsite support during functional testing
- Onsite support to resolve any commissioning issues with installed work
- Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
- 42. <u>Site Conditions</u> All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
- 43. <u>Traffic Control</u> This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
- 44. <u>Add Alternates</u> This Subcontractor shall review the alternates as shown in the Contract Documents. This Subcontractor shall provide alternate pricing for the alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. Items listed below shall part of this Subcontractor's scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification.
 - Add Alternate #1 Install power to BAS panels for controls alternate
 - Add Alternate #2 –Provide and install consolidated generator and day tank. Provide new ATS. Remove 1996 generator and turn over to UK. Provide temporary generator for back-up power to Rooms 214 & 220 during switchover to new generator.
 - Add Alternate #3 Power feeds to new Lab Vacuum Pump

END OF SPECIFIC SCOPE