

UK UNIVERSITY OF KENTUCKY Purchasing Division

INVITATION FOR BIDS: CCK-2689-23

IMPROVE SANDERS-BROWN CENTER ON AGING/NEUROSCIENCE FACILITIES

PROJECT #2571.0

ADDENDUM # 4

March 9TH, 2023

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 All Work Categories:** 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.
- 2. Clarification to Subcontract All Work Categories:** Please see the attached answers to bid questions 1-XXX. The Bid Amount shall include the cost to provide this scope.
- 3. Clarification to Subcontract All Work Categories:** Please see the attached updated project schedule. The schedule for construction from Construction Start to Substantial Completion shall be 18 months. The Bid Amount shall include the cost to provide this scope.
- 4. Clarification to Subcontract All Work Categories:** ALL Work Category have been updated in addendum #4 and should be used for bid submission. Bid Amount shall include the cost to provide this scope.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

Ken Scott 03/09/2023

Ken Scott / (859) 257-9102

SIGNATURE

Typed or Printed Name

End of Addendum #4

ADDENDUM NUMBER FOUR

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.

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. **Phenolic-Core Toilet Compartments (10 2113 Paragraph 2.3.A.)** – The following manufacturers may offer products that meet the specified criteria:

Scranton Products

(570)348-0997 www.scrantonproducts.com
Courtney Smith courtney.smith@azekco.com

QUESTIONS & CLARIFICATIONS

1. **Misc.** – Question: “Are there any as-built drawings showing the detail of how the precast panels are attached on the building of the 1979 and more importantly the 1996 building?”

Answer: No, the University has no record of the precast attachment details.

2. **Specification 01 2500 Substitution Procedures** – Question: “FullForce Substitution Request”

Answer: See article 1.4.A. for substitution procedural requirements.

3. **Specification 01 2500 Substitution Procedures** – Question: “Substitution Request Azeko”

Answer: See article 1.4.A. for substitution procedural requirements.

4. **Specification 01 2500 Substitution Procedures** – Question: “Are Victaulic grooved mechanical products an approved pipe joining method for 2 ½” and larger domestic water and heating water piping?”

Answer: This project will remain copper and steel for all heating and domestic water piping. See article 1.4.A. for substitution procedural requirements.

5. **Specification 01 2500 Substitution Procedures** – Question: “Is Carbon Steel pipe with Vic fittings acceptable on the hydronic pipe 2 ½” and above, Please advise.”

Answer: Refer to the response to item #4 above.

6. **Specification 01 2500 Substitution Procedures** – Question: “Is Carbon Steel pipe with Vic fittings acceptable on the hydronic pipe 2 ½” and above, Please advise.”

Answer: Refer to response to item #4 above.

7. **Specification 01 2500 Substitution Procedures** – Question: “Proposed Addendum Wording - Victaulic 607 or engineer approved equivalent mechanical grooved pipe couplings and fittings may be used in lieu of solder. For potable water, product shall utilize grade “P” EPDM gasket rated from +0 degree F to +180 degree F for improved resistance to chlorine, chloramine and other typical potable water disinfectants. Victaulic 608N may be utilized with copper groove system.”

Answer: Refer to item #4 above.

8. **Specification 01 2500 Substitution Procedures** – Question: “Proposed Addendum Wording – Schedule 40 Victaulic 107V mechanical grooved pipe couplings and fittings with 125# rating minimum may be used. Install gaskets as recommended by the manufacturer. Victaulic Vic-300 Butterfly Valve, 732 Wye Strainer and 716 Check Valve may be used with grooved piping system. Piping system shall be rated for minimum of 250 degree F

water temperature. Mechanical grooved piping may not be used if system water temperature exceeds 250 degree F.”

Answer: Refer to item #4 above

9. **Specification 01 3300 Submittal Procedures** – Question: “Regarding BIM, what files will be turned over to the successful trade contractor(s)? Also, is any 3D scanning of the existing building going to be required? If so, can an allowance be set for the 3D scanning?”

Answer: All the design consultant's Revit files will be turned over to the Construction Manager following the execution of a C106-2013 Digital Data Licensing Agreement. A draft copy of the document is attached for reference. Refer to Whiting-Turner’s response for additional information. Refer to Whiting-Turner response matrix item #88 for additional information.

10. **Specification 01 5200 Vivarium Protocol & Pest Control** – Question: “Spec section 015200 “Vivarium Protocol & Pest Control” 1.2, A.,1-5: Please clarify scope of work for pest control for this project as it relates to these items. Does “vivarium” pest control only apply to isolated work areas in LDAR space? What areas received “vermin control” both temporary and ongoing? Construction areas only, existing areas only, all areas of 1979/1996 construction? Who determines treatment frequency, inspection intervals, and levels of acceptable “control?””

Answer: Specification 01 5200 “Vivarium Protocol & Pest Control” applies to the level 04 vivarium only. Extents of the "vivarium" and "Barrier Area", as defined by the specifications, are clarified in the attached drawing. Contractor to provide services for these areas as outlined in specification 01 5200. Vermin-Control Contractor shall provide a vermin-control plan per article 1.4.D. Contractor shall implement plan as outlined in article 3.2 and provide maintenance as outlined in article 3.2.E. Where intervals or standards of treatment aren't specifically stated, it is up to the discretion of the Vermin-Control Contractor.

11. **Specification 03 3300 Architectural Concrete** – Question: ““Article 1.2.B.4 references spec section 07 1900 Water Repellents. No such spec section exists. Are water repellents in the project? If so, to what extent?””

Answer: Water repellents will only be applied to architectural concrete surfaces. See attached specification 07 1900 “Water Repellents” for more information.

12. **Specifacaton 05 5813 Column Covers** – Question: “Will mock-up be required for 2.3 of spec section 055813 Column Covers?””

Answer: Per article 1.5.C., mockups are required for all column covers and column cover accessories outlined in part II of the specification.

- **Specificaion 07 1900 Water Repellents** – “Question: “Bricks needs water repellent. Precast has a coating on panels and some columns .Don’t think 40 VOC will penetrate. Also small fenced building has an EIFS wall system.40 VOC will eat the coating.””

Answer: Refer to item #11 above.

13. **Specification 07 4223 Metal Composite Material Panels** – Question: “Will mock-up be required for 1.8.D spec section 074223 Metal Composite Material Panels?””

Answer: Per article 1.8.D., mockups are required for all systems and accessories outlined in part II of the specification.

14. **Specification 07 7200 Roof Accessories** – Question: “Please Provide more detail regarding the “Surface Mounted weighted pads” associated with the galvanized guardrail. Is roofing trade package providing these? What spec is to be met? How do they attached to guardrail?””

Answer: In specification 07 7200, article 2.6, add item K. with the following text to read:
“PREFABRICATED WALKWAYS

1. Provide walkway where indicated. Provide complete assemblies and components needed for complete installation.
2. Support stands to be located on accessory equipment pad sized based on pad manufacturer’s written instructions.”

2.6.K.2.a should read: “Accessory Equipment Pads: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following: Yellow Spaghetti ® Roof Walkway Pads and Rolls by Western Plastics”

Refer to item #120 below and Whiting-Turner’s response matrix item #151. for additional information.

15. **Specification 08 4413 Glazed Aluminum Curtain Walls** – Question: “Will mock-up be required for 1.9 of spec section 084413 Glazed Aluminum Curtain Walls?”

Answer: Curtainwall mockups are not required for this project. Article 1.9 is outlining the expectation that the sub-contractor will field verify existing conditions prior to fabrication and the generation of shop drawings.

16. **Specification 08 7100 Door Hardware** – Question: “Can you advise hardware set assignments for tag 239, 339, 439? Not shown in hardware specification listing”

Answer: Refer to Addendum 3 for updated hardware specifications including mentioned doors.

17. **Specification 08 8000 Glazing** – Question: Will mock-up be required for 1.8.E of spec section 088000 Glazing?”

Answer: Glazing mock-up will not be required. Delete article 1.9.E. of specification 08 8000 "Glazing."

- **Specification 10 4413 Fire Protection Cabinets** – Question: “For Fire Protection, The semi-recessed material is not shown in spec section 10 4413 and the Accessory Schedule shows the Semi-Recessed Fire Extinguisher Cabinets but does not specify who is responsible for this material. Please advise.”

Answer: See “Architectural Accessory Schedules” item below.

Specification 10 4413 “Fire Protection Cabinets,” item 2.3, replace with “FIRE EXTINGUISHER CABINET (Accessory Schedule Items No. 8 and 9, Provide in Rated Walls.)”

Replace item 2.3.D with “Recessed Cabinet: Cabinet box recessed or semi-recessed as indicated on the Drawings.”

Specification 10 4413 “Fire Protection Cabinets,” item 2.4, replace with “FIRE EXTINGUISHER CABINET (Accessory Schedule Items No. 8 and 9, Provide in Rated Walls.)”

Replace item 2.4.D with “Recessed Cabinet: Cabinet box recessed or semi-recessed as indicated on the Drawings.”

- **Specification 12 2413 Roller Window Shades** – Question: “I would like to email someone a Substitution Request, Drawings and Product information for the Levolor Manual Roller Shades to be reviewed and added to specifications as an approved manufacturer.”

Answer: All roller shades are OFOI.

18. **Specification 12 3553 Laboratory Casework** – Question: “Please provide specs for SS-01, Safety Shower, or is it provided by owner”

Answer: See QL011 Service Fittings Schedule; Specified under 12 3553 Laboratory Casework.

19. **Specification 12 3553 Laboratory Casework** – Question: “Please provide specs for EW, Eye Wash, or is it provided by owner”

Answer: See QL011 Service Fittings Schedule; Specified under 12 3553 Laboratory Casework.

20. **Specification 12 3553 Laboratory Casework** – Question: “Please provide specs for LS-01, Lab Sink, or is it provided by owner”

Answer: See QL011 Service Fittings Schedule; Specified under 12 3553 Laboratory Casework.

21. **Specification 12 3553 Laboratory Casework** – Question: “Please provide specs for DI and DI-2 or is it provided by owner”

Answer: See QL011 Service Fittings Schedule; Specified under 12 3553 Laboratory Casework.

22. **Specification 20 1300 Pipe, Pipe Fittings and Pipe Support** – Question: “Spec Section 201300-4, specs for the below slab SWV indicates Service Weight or Extra Heavy. Please clarify which is required.”

Answer: Underground sanitary pipes and fittings shall be extra heavy class.

23. **Specification 20 1300 Pipe, Pipe Fittings and Pipe Support** – Question: “Spec Section 201300-5, are Heavy Duty couplings required on no hub cast iron storm piping, as they are on SWV?”

Answer: Storm piping shall have heavy duty couplings for no hub cast iron piping.

24. **Specification 20 1300 Pipe, Pipe Fittings and Pipe Support** – Question: “Spec Section 201300-7, specs for Acid Waste/Lab Waste piping indicates glass piping. Is schedule 40 polypropylene piping acceptable? Mechanical joint or fusion joint?”

Answer: Acid waste pipe shall be polypropylene schedule 40 flame retardant pipe conforming to F1412 and D4101 with mechanical joints. Fittings shall be schedule 40, mechanical joints and conform to ASTM F1412, D3311 and D4101.

25. **Specification 20 1300 Pipe, Pipe Fittings and Pipe Support** – Question: “Is there a spec for the Lab/acid waste spec section 201300-7.P indicate Glass, please advise.”

Answer: Refer to the response to item #39 above.

26. **Specification 20 1300 Pipe, Pipe Fittings and Pipe Support** – Question: “Can you provide more specifications on the Mechanical Piping, for hot water piping it is 3” or 4” and below still copper? Please confirm.

Answer: Refer to 201300.5.G. 2.5" and larger hydronic piping can be either of the materials listed.

27. **Specification 20 1300 Pipe, Pipe Fittings and Pipe Support** – Question: “Per spec section 201300-7 note P, acid waste and vent piping is to be Glass pipe. Are we able to utilize Polypropylene Fusion piping for this project? Please advise.”

Answer: Refer to the response to item #24 above.

28. **Specification 20 1300 Pipe, Pipe Fittings and Pipe Support** – Question: “Is there a spec for the Lab/acid waste spec section 201300-7.P indicate Glass, please advise.”

Answer: Refer to the response to item #24 above.

29. **Specification 20 1300 Pipe, Pipe Fittings and Pipe Support** – Question: “Spec section 201300 – 7 note R. Medical gas piping (Compressed Air and Vacuum) states that vacuum piping will utilize Sil-Fos fittings. I don’t believe that Sil-Fos fittings are required on this system due to it being waste. Are we required to utilize Sil-Fos fittings? Please advise.”

Answer: Compressed air and vacuum piping shall be type "L" hard copper tubing with wrought copper fittings with lead free solder equivalent in performance to 95/5. Maximum lead content of solder and flux is 2%. There are no special requirements for factory washing and capping.

30. **Specification 20 3100 Testing, Balancing, Lubrication and Adjustments** – Question: “Bid documents show TAB as part of 23A, specification 203100 states TAB will be under a separate contract (with Commonwealth). Please clarify.”

Answer: Refer to reissued specification in this addendum.

31. **Specification 20 3100 Testing, Balancing, Lubrication and Adjustments** – Question: “Spec 203100 states TAB contractor to provide a building air tightness test, will this be required under TAB scope for this project?”

Answer: Refer to reissued specification in this addendum.

32. **Specification 23 1200 Sheet Metal and Flexible Duct** – Question: “Spec section 231200-11 indicates the following regarding ductwork for LEF-1 (below). There is not a section for “Hazardous Exhaust Duct” in spec section 231200. Please clarify what material, etc. is required for Hazardous Exhaust Duct.”

Answer: All laboratory exhaust ductwork shown on the plans from each fume hood to the inlet of the LEF-1 shall be 4 mil x 4mil PVC Coated galvanized duct. Ductwork shall meet all SMACNA requirements for

4” w.g. pressure class ductwork. The duct shall be transported, stored, and installed in accordance with SMACNA Advanced Cleanliness standards. Any scratches or imperfections observed in the PVC coating shall be repaired per the manufacturers recommended procedure or removed from the jobsite. No flexible duct shall be allowed on Exhaust systems. All devices located within the exhaust air stream shall be stainless steel or PVC Coated. This includes sound attenuators, screws, dampers, etc.

33. **Specification 25 0200 Automatic Temperature Controls** – Question: “Water flow meter: As per the control specification section 250200, the specification for the water flow meter is not available. Should this be a turbine-type flow meter? Please confirm/clarify.”

Answer: Meters for condensate shall be Onicon F-3100 or F-2600.

34. **Specification 25 0200 Automatic Temperature Controls** – Question: “Humidity sensor: As per control specification section 250200, accuracy for the humidity sensor is not available. Should the humidity sensors be chosen to be 3% accuracy? Please confirm/clarify.”

Answer: This specification has been the University standard specification for some time and not ever had the accuracy range questioned.

35. **Specification 25 0200 Automatic Temperature Controls** – Question: “In summary, these two sections conflict with one another for which contractor is responsible for providing 120V power for BAS Controls. Should this be amended to clarify?”

Answer: The controls contractor shall provide all power wiring per specification 25 0200.

36. **Specification 32 9113 Soil Profile Rebuilding** – Question: “Spec section 329113 "Soil Profile Rebuilding": States "areas that are to be vegetated by trees and large woody plants" and "verify the area to be treated is free of any buried utilities". This specification is provided, but not included on L1.0. Additionally, if assumed to relate to L1.0, note #13, the process of "soil profile rebuilding", as specified, will not be possible in the area shown. This area depicts both "lawn areas" as well as "areas to be vegetated by trees and woody plants". Should bidders exclude this work, assume this work in landscape areas only, or provide topsoil to finished grade per typical site restoration?”

Answer: Soil Profile Rebuilding will not be required per 329113 due to underground utilities. However, see response to question 197 above.

37. **Drawing L1.0** – Question: “L1.0, note #13: Please clarify that 24" depth of topsoil replacement is necessary/required. This area is heavily congested with multiple utilities and structures that will be encountered at depths less than 24". Excavation methods to achieve this depth and safely protect existing utilities will be both labor intensive and time consuming, thus impacting the budget.”

Answer: Drawing sheets L1.0 & L2.0 shall reference each other for description of work. Scope of work for each bid package shall be referenced for responsibilities. 24" depth topsoil replacement shall be limited to 10'-0" diameter at tree planting locations. 12" depth topsoil replacement shall be provided in shrub & perennial bed locations. 6" depth topsoil replacement shall be provided in all lawn locations. Following removal of existing 6" depth of soil and prior to placement of new topsoil, any rocks/gravel shall be removed and top 4" of subsoil tilled to break up compacted soil.

38. **Drawing L1.0** – Question: “Addendum 1, plan E4.0, notes E54, E61, E62, & E80: Which bid package is responsible for demolition and restoration of landscape and hardscape as it pertains to electrical conduits as shown? L1.0 does not define hardscape/landscape restoration in this area. Please provide details for restoration.”

Answer: Detail C on sheet L1.0 shall be used for concrete restoration. Dowels and expansion joint material shall be used between all existing and new concrete as detailed. Reinforcement shall be provided as detailed. Contraction joints and finish shall match existing pattern adjacent to restoration. Refer to Whiting-Turner’s response for additional information.

39. **Structural Drawings** – Question: “Please provide T/Steel elevations for penthouse framing and mid-height framing.”

Answer: Top of new steel shall match existing steel at penthouse floor. Mid-height steel shall match existing W8x15 beams around perimeter at mid-height.

40. **Structural Drawings** – Question: “How deep below FFE are existing grade beams and wall footings?”

Answer: Existing plans indicate the 1979 portion grade beams are at 8" below finished floor elevation. Top of footings/grade beams for 1996 portion are not specified on the existing drawings. Sections for the 1996 portion show top of footing at minimum 2'-0" below adjacent finished grade. Contractor to field verify all existing conditions.

41. **Structural Drawings** – Question: “Is x-ray/scanning of the elevated floor slabs required prior to core drilling?”

Answer: Yes. Existing rebar shall not be cut in any existing concrete construction.

42. **Structural Drawings** – Question: “For the demolition of the underground plumbing, can the floor be overcut in the corners of the floor slab.”

Answer: Yes. Infill overcut with joint filler after slab repair.

43. **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.

45. **Drawing S4.1** – Question: “Detail N/S4.1 – Is it acceptable to use rolled angle in combination with welded plate stock in lieu of a 3 piece system for achieving the radius EOS extension member?”

Answer: Intent of detail is to avoid buckling or oil canning issues with rolling an angle shape. It is acceptable to substitute the (3) plate system with a combination of the rolled angle with vertical edge plate. Contractor's responsibility to ensure no oil canning or buckling of the modified section. Contractor to provide revised detail of assembly on shop drawings prior to assembly.

46. **Drawing S4.1** – Question: “Are new HSS assemblies at XA line intended to only connected at one end? It appears that each are supported at one end by a T/S4.1 detail with no connection on 1979 side. Is this correct?”

Answer: Yes. HSS Assemblies are not attached to 1979 portion of the building. See tag note 3 on framing plans.

47. **Drawing S4.1** – Question: “Detail A/S4.1 shows L5x5x5/16 mounted to stem wall. Detail 3/A8.6 shows L6x4x5/16 mounted to stem wall. Please clarify which is intended.

Answer: L6x4x5/16 L.D.V. is acceptable. Match architectural drawings. See A/S4.1 for attachment of angle to concrete wall.

48. **Drawing S4.1** – Question: “E/S4.1 shows slip dowels to be installed in existing concrete slabs. Please clarify.”

Answer: Post-install slip-dowel (smooth rod) in existing site concrete at this section. See specifications for smooth dowel size and length. Plastic insert is not required. Drill and adhesive #4 rebar into building slab on grade as shown in detail.

• **Architectural Accessory Schedules** – Question: “For Fire Protection, the Accessory Schedule shows that the Recessed Fire Extinguisher Cabinets are OFCI. Are the Fire Extinguishers to be OFCI or new?”

Answer: Accessory items 8, 9, 10 are CFCI. See respective specification sections for more information.

• **Architectural Accessory Schedules** – Question: “For Fire Protection, are all Fire Extinguishers to be OFCI or new?”

Answer: Refer to item “Architectural Accessory Schedules” above.

49. **Drawing A-1.3a** – Question: “Tag 310 on page A-1.3A – should this be HM20? HM5 is assigned and that is just a window”

Answer: Frame containing door 310 on A-1.3a is to be changed from HM5 to HM17.

50. **Drawing A-4.4** – Question: “Enlarged wall section 2/A4.4, looks to show a window sill that returns to the floor at Lab 125B, please clarify since not labeled?”

Answer: Detail 3/A-8.6 shall be implemented at all level 01 sill conditions.

51. **Drawing A-4.8** – Question: “Detail 3&4/A4.8 show CFMF atop the HSS beam in chase B. Detail G/S4.1 shows angle atop the HSS beam. Please clarify which is intended.”

Answer: Concrete is preferred. Refer to attached drawing AD-A-4.6.

52. **Drawing A-7.2** – Question: “Detail 3/A7.2 depicts the parapet framing as overhanging the existing concrete by 3.5”. Detail P/S4.1 depicts the parapet framing inset an unknown/arbitrary dimension away from the existing concrete edge. Placement of the framing affects concrete anchor layout among other things. Please clarify

Answer: Match Structural Detail P/S4.1. Embed anchors in channel plate base shall be located minimum 4" from edge of concrete beam. Channel center line and CFS wall centerline shall match. Refer to attached drawing AD-A-4.5.

53. **Drawing A-7.2** – Question: “5/A7.2 Galvanized steel tube guardrail shows an anchored base to coping “as required by load calculations”. When will engineer provide info about how many braces/anchor bases are needed?”

Answer: These details will be determined by the delegated design engineer. See article 2.1 in specification 05 5213 "Pipe and Tube Railings" for more information.

54. **Drawing A-8.1R1** – Question: “Tag 500A and RF501 are assigned KM01 in the hardware specification, however, these (2) openings are not shown on door schedule – Do we need to supply doors/frames for these openings?”

Answer: Doors 500A and RF501 have been added to the door schedule. Refer to Addendum 3.

55. **Drawing A-8.1R1** – Question: “Tag 100A.2 shown as Aluminum on Door Schedule, however, on Floor Plan A-1.1A this opening shows HM1 – Is this opening Aluminum or HM?”

Answer: Door 100A.2 is HM. Refer to Addendum 3.

56. **Drawing A-8.1R1** – Question: “Tag 100B.1 shown as Hollow Metal on door schedule, however, on Floor Plan A-1.1B this opening is in curtain wall – Is this opening HM or Aluminum?”

Answer: Door 100B.1 is Aluminum. Refer to Addendum 3.

57. **Drawing A-8.1R1** – Question: “Tag RF401 – note #1 state Existing HM Frame, Door schedule notes new frame – Is this frame existing or new?”

Answer: Door RF401 existing HM frame is to remain per note #1.

58. **Drawing QL011** – Question: “Please provide specs for EW and SS TMV valves

Answer: See QL011 Service Fittings Schedule, model numbers listed with EW and SS; there is not a separate spec covering the TMVs, but the intent is to provide the paired model for the EW and SS sold by the EW & SS manufacturer/vendor.

59. **Plumbing Drawings** – Question: “Per plumbing plans all sinks are drop in by plumber, no integral bowls are called for?”

Answer: Correct.

60. **Plumbing and Mechanical Drawings** – Question: “Is seismic bracing required on plumbing/mechanical components? Please provide Seismic Design Category and Component Importance Factor.”

Answer: Seismic bracing is not required for this project.

61. **Plumbing and Mechanical Drawings** – Question: “Are valve packages on the reheat coils acceptable?”

Answer: No, as Engineer understands the make-up of the valve package. Ball valve must be separate and the installation must match precisely to the UK standard piping diagram.

62. **Plumbing and Mechanical Drawings** – Question: “The drawing shows a fuel oil return pump on the bigger day tank. Why? It seems the bigger day tank should have a fuel supply pump to supply fuel to the smaller day tank. The smaller day tank probably should have a fuel return pump. Someone from Pryco should probably get involved. Will the Fire Marshal’s office even allow this transfer between day tanks?”

Answer: A vendor is not necessary to be involved. The existing pump is a fuel transfer pump supplying fuel from the 600 gallon tank to the 100 gallon tank. In the base bid, this pump will remain and the new 100 gallon tank will be connected to the transfer fuel system. In bid alternate #2, this transfer system will be demolished.

63. **Plumbing and Mechanical Drawings** – Question: “Shut off valves are not allowed in return lines. A locking ball valve can be installed in the return line but it has to be locked in the open position. Please clarify.”

Answer: Any shut-off valves installed in the fuel oil return lines will be lockable.

64. **Plumbing and Mechanical Drawings** – Question: “On each day tank the work vent and the emergency vent both must be piped to the outside. Please clarify.”

Answer: This is not accurate. Protected tanks with UL 2085 listing are permitted to be emergency vented indoors. For the base bid, the 100 gallon tank's emergency vent will vent indoors. For Alternate #2 the emergency vent will vent indoors.

65. **Plumbing and Mechanical Drawings** – Question: “In the Kentucky permit application to install emergency power stand-by power systems (see attached) in Section 2 item 12, it ask “will fuel tanks inside buildings be restricted to 660 gallons of diesel”. The 2 day tanks listed add up to 700 gallons so this won’t work. Please clarify.”

Answer: In the event the base bid is the only work related to the generator, the 100 gallon tank is acceptable to the UK Fire Marshall. If Alternate #2 is accepted, the indoor storage capacity will be 600 gallons.

- **Water Heater Schedule WH-1, WH-2 & WH-3** – Question: “Please list Reco as an acceptable manufacture.”

Answer: Reco is an acceptable manufacturer.

66. **Drawings P0.1 and P4.0** – Question: “Please provide DW Heaters steam trap schedule and information”

Answer: Refer to P0.1 and P4.0. Domestic water heater schedule states 2000 lbs/hr. Piping diagram shows 2" branch condensate pipe size with combined overall size of 3" entering the existing condensate pump system.

- **Drawing P1.0** – Question: “Please provide the specification for the steam to water heaters.”

Answer: Refer to P1.0 Water Heater Schedule - Steam and addendum write-up.

- **Drawing P1.0** – Question: “Please confirm if these are to be double wall construction as the notes do not mention this.”

Answer: Refer to item #123 below.

- **Drawing P1.0** – Question: “If double wall construction is required is copper acceptable and what gauge?”

Answer: Refer to item #123 below.

- **Drawing P1.0** – Question: “Please confirm BACnet MS/TP or IP?”

Answer: Refer to P1.0 Water Heater Schedule - Steam.

67. **Drawing P3.1b** – Question: “Please provide VP-1 hookup layout and diagram, drawing P3.1b”

Answer: Refer to relevant drawings included in this addendum.

68. **Drawing P4.0** – Question: “Domestic Water Heater Diagram indicates steam/steam condensate piping however none is shown serving the water heaters on either the plumbing or mechanical drawings. Please provide additional info.”

Answer: Refer to drawings included in this addendum.

69. **Drawing P4.0** – Question: “Drawing P40, Domestic Water Heater Diagram – there are three expansion tanks (?) indicated on the diagram. Are these existing or new? If new, please provide specification.”

Answer: Refer to P2.1b and P3.1b. lighter line types indicate existing equipment.

70. **Drawing P4.0** – Question: “Please provide piping layout and connection points for DW Heaters, Steam, CW, HW, Condensate, drawing P4.0”

Answer: Refer to relevant drawings included in this addendum.

71. **Drawing P4.0** – Question: “Please provide specifications for DW P1,2,3 drawing P4.0”

Answer: Refer to addendum documents for additional information on Domestic water heaters.

72. **Drawing P4.0** – Question: “Please provide information on the (3) tanks located in middle of page, drawing P4.0”

Answer: The equipment is existing expansion tanks.

73. **Drawing P4.0** – Question: “Per Drawing P4.0 Detail 1 it shows LPS and LPC lines to each Water Heater. Those LPS and LPC lines are not shown drawing M3.1b or on the referenced enlarged plans on M3.7. Could you please show the routing of those LPS lines to the water heaters.”

Answer: Refer to drawings included in this addendum.

74. **Drawing P4.0** – Question: “Per Drawing P4.0 Detail 1 it shows LPS and LPC lines to each Water Heater. Those LPS and LPC lines are not shown drawing M3.1b or on the referenced enlarged plans on M3.7. Could you please show the routing of those LPS lines to the water heaters.”

Answer: Refer to drawings included in this addendum.

75. **Controls Drawings** – Question: “Are there VFDs that need to be replaced by the Unit 23B contractor, or is there a different contractor furnishing/installing and the Unit 23B contractor is just integrating?”

Answer: There is no scope of work related to any VFD new or existing associated with the 23B Controls contractor. The only two new VFDs in the project are base bid 23A contractor. The existing VFDs shown in Alternate #1 in 1996 Penthouse is 23A Controls contractor scope. Refer to Whiting-Turner response matrix item #163 for additional information.

76. **Controls and Mechanical Drawings** – Question: “Trade Contract 23C – Lab Controls is to furnish venturi valves and deliver to 23A Mechanical Contractor to install. Please be sure the supplier for the venturi valves include their own draw outs and sealant with their venturi valves. Each manufacturer has their own connection types and cannot be used with other manufacturers brand of venturi valves.”

Answer: This is a coordination item between prospective mechanical contractors and equipment vendors.

77. **Drawings IC0.1, M3.5a, M7.0, M3.2a, M3.1b, M3.3a** – Question: “Regarding the equipment “AC-1” – it is not clear if a new B-BC is required on the 1976 or 1996 building, and if it’s part of the Base Bid or Add Alternate #1. There is an “AC-1” in both buildings it appears – Is AC-1 the same as the “Computer Room CRAC-2”? Please clarify what type of equipment “AC-1” is for each building, and in which phase a new B-BC controller is required, if required.”

Answer: Refer to IC0.1 and M3.5a. (E) AC-1 is an existing AHU that has no controls scope other than that demonstrated by M2.5a TN58. Refer to M7.00, M3.2a, M3.1b and M3.3a for new mini-split IDF room air conditioner AC-1. Mini-Split air conditioner AC-1 shall be provided with BACnet/IP control card, per note #4 on schedule. There are three instances of AC-1, two in the 1976 side, one in the 1996 side.

78. **Drawing IC0.1** – Question: “Existing Systems (AC-1,2,3 and RF-1,2, Boiler): As per mechanical floor drawing, we have found existing units with tag AC-1,2,3 and 2 roof fans, Boiler, chiller etc. While referring to control architecture-IC0.1, we could identify existing AC unit, fans and chiller and Freezer monitoring. However, these units don’t have any keynote, sequence, point list, schematics etc. on new drawing as well as on demolition plan. Please clarify.”

Answer: Refer to response to item #91 below for boiler. There are no controls scope for existing AC-1, AC-2, AC-3, two return fans controls. Refer to IC0.1 showing this equipment as existing. Refer to M2.5a TN MD58 for only scope of work related to existing equipment controls.

79. **Drawing IC0.1** – Question: “There are no written Keynotes or Scope on what work is to be performed in the diagrams on IC0.1 – we are assuming anything in bold is requiring a new controller, device, or integration. We are also assuming anything “dashed” is existing and will remain, with no work associated with that device or piece of equipment. However, what is the expectation for a device or equipment that is neither “dashed” or “bold” – for instance, the entire Penthouse level and most of the Roof level of Building 1976 appear to have no work being performed. Please confirm.

Answer: The IC0.1 drawing is a diagram describing the building's control architecture and should be used as a reference to other controls drawings. The absence of a tagged note on this sheet giving detailed supplemental information does not mean there is no work. There are only two line types on this diagram, bold and light, that represent controllers. Dashed lines represent the communication trunk between devices. Bold lines represent new controllers, thin lines represent existing to remain controllers. For a complete description of controls scope refer to the entire IC-XX and MX-XXX drawing sets.

80. **Drawings IC3.1b, IC3.2b, IC3.3b, and IC3.4b** – Question: “Variable Air Volume unit (Alternate bid 1): As per mechanical floor plan IC3.1b, IC3.2b, IC3.3b and IC3.4b, we have found total 37 existing VAV's, however reheat coil is not shown on floor plan like was shown on IC3.1a, IC3.2a, IC3.3a and IC3.4a. Should a new heating control valve for all existing VAVs be provided in Add Alt #1? If so, Please confirm/clarify sizes for each VAV.”

Answer: Existing VAV and Venturi valve coil reheat valves shown in Bid Alternate #1 are not in the scope of the project.

81. **Drawings IC1.1** – Question: “Lab vacuum pump control: As per control drawing IC1.1, we have found vacuum pump monitoring requirement. However, we could not find this vacuum pump on floor plan, hence controls considered as per control schematic. Please confirm/clarify.”

Answer: Refer to P3.1b near grid B/3.

82. **Drawing IC4.0** – Question: “There is reference to AHU-6 & AHU-7 on the drawings, but Controls Diagrams and Points Schedule regarding AHU-1 & AHU-2. Are these the same AHUs, and this is a typo? Per the provided control drawing IC4.0, we could identify control schematics for existing AHU-1 & 2. While referring to responsibility matrix, it is mentioned to provide new controls for AHU-6 & 7. We assumed that to be a typo/error and considered controls for existing AHU-1 & 2 to be meant for AHU-6 & 7, respectively. Please confirm/clarify.”

Answer: The references are to the same AHU's. Any reference to "AHU-1" is AHU-6. Any reference to "AHU-2" is AHU-7.

83. **Drawing IC4.0** – Question: “AHU & ERU Controls: As per control drawing IC4.0, we can see control schematics and point list are not matching with each other. Hence, currently, we have considered controls as per point list. Please confirm/clarify.”

Answer: Engineer agrees the point list should be used to identify points. Diagram has several points that are mislabeled.

84. **Drawing IC4.0** – Question: “Heating and steam control valve: As per control drawing IC4.0, we could find (1) existing energy recovery system control drawing, however we could not find energy recovery system on floor plan. Please confirm/clarify. We have assumed standard valve sizes of 2 inch for heating, and steam control, please confirm/clarify.”

Answer: The existing energy recovery system is shown on IC3.5b indicated by BAS-CP-ER (Energy Recovery). The other portion of the system is shown on M3.7. Refer to TN H10. Controls contractor to submit control valves during submittal process.

85. **Drawing IC4.0** – Question: “Dampers: Per the provided drawing IC4.0, we could identify the exhaust air bypass damper for which in point list we have found reference to furnish remote bypass dampers. We believe these

dampers are only backdraft dampers. Please confirm/clarify, as the naming conventions do not match from the diagram to the points list.”

Answer: Dampers identified by EXH1 and EXH2 are backdraft dampers but are not the same as DO-7 and DO-8 listed in the points list. E1BP_C and E2BP_C are VFD remote bypass relays to engage VFD bypass.

86. **Drawing IC5.0** – Question: “EF-3, 4, 6 & 7: Per the provided control drawing-IC5.0, we have found control schematics for EF-3, 4, 6 & 7. While referring to inputs, we have not found any schedule or floor plan reference for those fans. Please confirm/clarify.”

Answer: Refer to IC3.1b EF-3 is located in Electrical Room 126. Refer to M3.7 fan associated with TN A23 is EF-4. Refer to IC3.5b. EF-7 is located near Intake side of AHU-7 at approximately grid D/4. Refer to IC3.1b EF-6 is below first level level utility tunnel ventilation fan and is located near grid G/4.

87. **Drawing IC5.0** – Question: “Emergency Shower: Per the provided control schematics-IC5.0, we could identify the flow switch requirement for Emergency Shower. It is unclear whether it is flow switch or flow meter. Please confirm/clarify.”

Answer: All existing showers covered in bid alternate #1 have flow switches. New showers in base bid are to have a flow switch.

88. **Mechanical Drawings** – Question: “Per the Responsibility Matrix, it is mentioned for the CC-A contractor to provide gauges for temperature sensors. Generally, temperature gauges will be provided by the mechanical contractor – please confirm/clarify.”

Answer: The responsibility matrix does not indicate for the controls contractor (CC-A) to provide temperature gauges. The mechanical contractor is to provide all manual temperature gauges. Refer to Whiting-Turner response in attached matrix for additional information.

89. **Mechanical Drawings** – Question: “There is no spill containment for the fill. The 2 items listed for the fill cap and adaptor (see attached) are for underground tanks. If Pryco day tanks are to be used then Pryco makes a remote fill station. This should be used and the fill line should be 2” not 3”. This way Pryco can install a level switch that will activate the alarm in the remote spill box and also shut a valve on the fill line. Please clarify.”

Answer: For the base bid, there is no scope of work related to the fuel fill system. For Alternate #2, a new fill system will be installed.

90. **Drawing M2.2a and M4.2a** – Question: “Will the relocation of piping for the CRAC units in Room 214 & 220 need to be done off hours and with HEPA Tents?”

Answer: There is not a scope of work to relocate refrigerant piping for Rm 220. The scope of work is to relocate refrigerant piping for equipment serving Rm 214. Refer to Drawing M2.2a TN MD50 and Drawing M4.2a TN H15 for instructions on demolition and reinstallation of refrigerant piping. There are no "off hour requirements" for when this work needs to occur. Refer to attached Whiting-Turner response matrix for additional information.

91. **Drawing M3.5a** – Question: “Boiler: As per mechanical plan M3.5a, we have found 1 boiler skid, however we have not found any control note or control drawing regarding the boiler system. As per demolition plan M2.5a, we have not found any keynote for the Boiler. Are Boiler controls excluded from this Project?”

Answer: The boiler skid serves the 4th floor DLAR and is not part of base bid nor bid alternate #1. Refer to IC0.1 4th floor showing existing controls for all equipment related to DLAR.

92. **Drawing M3.6b** – Question: “Drawing M3.1b tagged note H1 references drawing M3.5b for the continuation of the new refrigerant piping but drawing M3.5b does not exist. Please clarify.”

Answer: Refer to M3.6bR1 issued with this addendum.

93. **Drawing M3.7** – Question: “Are there any drawings for the continuation of the fuel oil piping (FOS/FOR) coming off of the day tanks (DT-1/2) outside of the mechanical rooms on M3.7?”

Answer: Refer to drawing M4.1a drawing that shows the 1976 mechanical room and most of 1996 mechanical room. This drawing shows both existing grid XA and XB. Both grids appear in their respective views on M3.7.

94. **Drawing M3.7** – Question: “Loose dampers: As per mechanical drawing M3.7, we have found total 3 loose dampers where it is mentioned that there will be existing Louvers. Is this intent to only provide new motorized damper actuators, not new dampers as well? Please confirm/clarify.”

Answer: Refer to Drawing M3.1a, M3.7, M7.0 and addendum #3 item 2h. All three instances have new motorized dampers. The only louver that is being replaced is the base bid generator cooling louver. Both makeup air louvers to remain. Addendum #3 clarified louver sizes. TN A27 should state new louver in lieu of existing. Also, refer to this addendum #5 for revised L-1 size 70 x 80”.

95. **Drawing M3.7** – Question: “Loose dampers (Alternate bid 2): As per mechanical drawing M3.7, we have found total 1 loose dampers. This damper size is not shown/available – please confirm size for the top half and bottom half.”

Answer: The louver associated with Bid Alternate #2 is L-2. Refer to M7.0 and M3.7, TN A22. Damper shall be full louver size.

96. **Drawing M4.2a** – Question: “Drawing M4.2a we are to provide new refrigerant piping for existing HVAC Units. Could you provide Refrigerant line sizes? Also, will they be line sets? Will the refrigerant lines be empty of all refrigerant prior to installing new. Will we need to include any additional refrigerant, start up, and will the controls contractor run the low voltage wiring if any? Could you provide information on the existing units?”

Answer: The scope of work is to relocate existing refrigerate piping on two highly critically important HVAC systems serving an active research freezer farm. These systems are functional at the space must remain conditioned throughout the projects. Refer to M2.2a and M4.2a TNs MD26 and H15 for information on demolition and installation phasing. The existing suction pipe is 1-1/4" and suction is 5/8" for both system. However, it should NOT be assumed that pipe size is required for the new installation. Contractor to coordinate with equipment manufacturer to size new refrigerant pipe sizes based on final installation routing. Additionally, contractor to work with manufacturer of existing equipment for refrigerant charge and provide any new refrigerant required for equipment to fully function. Contractor to provide factory start-up for each unit. Equipment manufacturer is Liebert.

97. **Drawing M4.3a** – Question: “On drawing M4.3a there are (3) lines shown for Tie-ins in screen shot below. Can you clarify what those lines are and if they are in the HVAC hydronic scope.”

Answer: Refer to M4.1a and M4.2a for new medium pressure steam, medium pressure condensate and low pressure condensate piping. New piping to connect to existing branch piping serving 4th floor DLAR and existing piping extending to penthouse.

98. **Drawing M6.1** – Question: “Detail 7 on M6.1 shows a new PRV-3, but the schedule page (M7.0) does not show a new pressure reducing valve. Please provide technical info for new PRV.”

Answer: Detail 7 on sheet M6.1 lists the capacity as 4000 lbs/hr. PRV shall be cast steel housing per University of Kentucky Standards.

99. **Drawing M6.1** – Question: “Detail 7 on M6.1 shows a new PRV-3 but is not indicated on the plan view. Please reference new PRV on plan view.”

Answer: Refer to Drawing M2.7 and M3.7. Low Pressure Steam Pressure Reducing Station is located at grid X4/XA.

100. **Drawing M6.1** – Question: “Will there be water treatment and cleaning for piping if so, can you provide specifications?”

Answer: There is an existing to remain chemical pot feeder that will serve the future heating water system. No additional chemical treatment beyond the detail 10 on M6.1 is required. There are no extraordinary requirements for cleaning or pipe system flushing beyond 201300 1.R & 1.S.

101. **Drawing M6.1** – Question: “Will there be water treatment and cleaning for piping if so, can you provide specifications?”

Answer: Refer to the response to item #100 above.

102. **Drawing M6.1** – Question: “The only information we can see regarding chemical treatment is detail 10 on M6.1. Are there any specs/procedures associated with chemical treatment?”

Answer: Refer to the response to item #155.

103. **Drawing M7.0** – Question: “The schedule on M7.0 list one heat exchanger (HX-1), detail 10 on M6.1 indicates heat exchangers HX-1A and 1B, and detail 2 on M3.7 indicates (2) HX-1’s. Please confirm that (2) heat exchangers are required, both being the same capacities.”

Answer: Qty 2 HEX both same capacity.

104. **Drawing M7.0** – Question: “Cooling control valve: As per FCU mechanical schedule on mechanical drawing M7.0, flow GPM for cooling coil is given as 7 GPM. As per mechanical drawing M4.1a, line size for FCU chilled water line is given as 1-1/4 inch. Based on GPM, we believe the cooling control valve should be 3/4 inch – please confirm/clarify.”

Answer: control valve selections are performed by the controls contractor during submittal process. Engineer expects to see a CV reflective of 3-5 PSI pressure drop.

105. **Drawing M7.0** – Question: “Lab Exhaust Fan: As per mechanical schedule on drawing M7.0, only one exhaust fan is shown. However, As per control drawing IC3.5a, we have found 2 exhaust fans. Please confirm/clarify. We have also found motorized isolation and bypass damper requirements in this schedule. But we could not find the motorized damper sizes on floor plan – please confirm/clarify damper sizes.”

Answer: The scheduled model number defines 2 fans enclosed in a single unit requiring the listed isolation dampers. Additionally, M3.6A shows two discharge nozzles.

106. **Drawing M7.0** – Question: “Fire and Jockey Pump: Per the provided schedule-M7.0, we have found the system schedule for pumps for fire and jockey pumps details are not provided. While referring to the inputs, we have not found any control schematics or key notes to provide them. Is there a requirement to furnish any controls for Fire and Jockey Pump(s)?”

Answer: The fire pump and jockey pump should not be on the Hydronic Pump schedule. That is a software filter mistake. Refer to FP1.0 fire protection schematic for indication that both are existing to be relocated. The existing jockey pump controller will be reused and the fire pump will have a new control panel. Refer to FP3.1a TN F22 and F23. Refer to Fire Pump control schematic on IC1.1.

107. **Drawing M7.0** – Question: “Is an expansion tank and / or air separator required? An expansion tank is referenced on M7.0 but neither an air separator nor expansion tank are shown on the details on M6.1, or elsewhere in the documents.”

Answer: Refer to revised drawings included in this addendum.

108. **Drawing M7.0** – Question: “Will the Pryco day tanks be provided by the electrical contractor or mechanical contractor?”

Answer: The day tanks will be provided by the mechanical contractor . Refer to M7.00 and Whiting-Turner response on matrix.

• **Drawing M7.0** – Question: “Please provide specification for the flash tank.”

Answer: Refer to M7.0 included in this addendum.

• **Drawing M7.0** – Question: “Please provide a specification for the heat exchanger.

Answer: Refer to M7.0 included in this addendum.

• **Drawing M7.0** – Question: “Please provide a specification of for the coils.”

Answer: Refer to M7.0 included in this addendum

- **Flash Tank Schedule FT-1** – Question: “Who is responsible for the construction of the stand the contractor or the flash tank manufacture?”
Answer: This is a mechanical contractor and equipment vendor scope coordination item. If a factory stand provides adequate elevation for connection to the condensate pumps that is acceptable. If not, the contractor and vendor should coordinate this scope.
- **Flash Tank Schedule FT-1** – Question: “Please list Penn Separator as an acceptable manufacture.”
Answer: Penn is an acceptable manufacturer.
- **Steam to Water Heat Exchanger Schedule HX-1** – Question: “Please include Armstrong as an acceptable manufacture.”
Answer: Armstrong is an acceptable manufacturer.

CORRECTIONS / CHANGES

109. **Specification 09 5113 Acoustical Panel Ceilings** – Change item 2.5.D from “Narrow-Face, Capped, Double-Web, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet; prepainted, electrolytically zinc coated, or hot-dip galvanized, G30 coating designation; with prefinished 9/16-inch- wide metal caps on flanges.” to “Wide-Face, Capped, Double-Web, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet; prepainted, electrolytically zinc coated, or hot-dip galvanized, G30 coating designation; with prefinished 15/16-inch- wide metal caps on flanges.”
- Change item 2.5.D.1 from “Basis-of-Design Product: Armstrong World Industries, Inc.; Suprafine XL 9/16" Exposed Tee.” to “Basis-of-Design Product: Armstrong World Industries, Inc.; Prelude XL 15/16" Exposed Tee.”
- **Specification 12 3553 Laboratory Casework** – All laboratory casework shall be OFOI.
110. **Specification 20 3100 Testing** – Refer to specification 203100 Testing included in this addendum. This supercedes the previous specification.
111. **Specification 263213 Emergency Generators** – Add the following paragraph to section 263213 Emergency Generators, Section 14: Generator manufacturer shall provide factory produced or reduce standard factory rail length at factory authorized shop or onsite to facilitate installation through future 70” x 80” louver opening. Where performed on-site, manufacturer shall have representative on-site that will perform this work. Any modification made to rails post factory shall not have oxy acetylene cutting torch kerf as final finish and shall be painted to match factory finish. Any cut or modification of rail length shall be perpendicular to length of rail. Access to rear of building where generator will enter building measures 141” from Sanders Brown Exterior wall to Warren Wright Medical Plaza exterior wall. Installing contractor shall make provisions to move generator at an angle perpendicular to the Sanders Brown exterior wall prior to entering alleyway as adequate turning radius cannot be achieved. Contractor shall lift generator as required in certain areas to avoid obstructions.
112. **Specification 263213 Emergency Generators** – Mechanical Contractor shall refer to item #111 above and make provisions to cut and reinstall natural gas pipe extruding into alleyway to facilitate generator installation. Contractor shall remove existing painted carbon steel shroud and furnish new shroud coordinated with new mechanical louver size.
113. **Drawings** – All references to Roller Window Shades (Specification 12 2413), shall be noted as “Owner Furnished, Owner Installed.”
114. **Drawing L1.0** – Reference drawing E-4.0R1, detail C on drawing L1.0, detail C on drawing L2.0, specifications 321313 Concrete Paving, 321373 Concrete Paving Joint Sealants and 329300 Plants. Concrete sidewalk shall be sawcut, removed and replaced for installation of the electrical conduits from Sanders-Brown to the existing transformer and Health Services Utility Vault. Detail C on sheet L1.0 shall be used for concrete restoration. Dowels and expansion joints shall be provided between all existing and new concrete as detailed. Reinforcement shall be provided as detailed. Contraction joints and finish shall match pattern of existing concrete adjacent to restoration. Landscape disrupted by trenching for conduit shall be restored to match existing conditions. The shrubs in the bed around the existing transformer are 24" height boxwoods and dwarf fothergilla. The mulch in planting beds is fired shale, known locally as Kenlite. Any disruption within these existing plant beds for

electrical work shall be restored with these materials. The attached photos display some of these. The landscape beds shall be left in pre-existing condition, with clean Kenlite mulch (no soil intermixed) at depth to match existing, and healthy shrubs to be warranted for one year.

- **Drawing S4.1** – Revise detail P/S4.1 to add bent plate at top of parapet to create sloping surface. See attached detail on sheet As-S-3.1.
115. **Drawing 1/AD-1.1a** – Base Bid: Enlarge louver opening in Mechanical Room 104 as shown in attached drawing AD-A-4.1.
116. **Drawing 1/AD-2.1** – Base Bid: Enlarge louver opening located to the right of column line XA2 as shown in attached drawing AD-A-4.1.
117. **Drawing 1/A-1.1a** – Base Bid: Enlarge new louver in Generator Room 102B as shown in attached drawing AD-A-4.1.
118. **Drawing 1/A-1.1a** – Add “OPP.” designation for CW5 along perimeter of Room 101 Departmental Storage.
119. **Drawing 1/A-2.1** – Base Bid: Enlarge new louver located to the right of column line XA2 as shown in attached drawing AD-A-4.1.
- **Drawing A-5.10** - Sub-Contractor to install three applications of joint sealant, as shown in detail 1/AD-A-4.2 at all instances of curtainwall - head, jamb, and sill. Typical.
 - **Drawing A-6.6** – See attached drawing AD-A-4.3 for additional details. All roller shades are to be OFOI. Ceiling sub-contractors with adjacent or abutting construction to coordinate with Owner regarding OFOI roller shades to ensure a complete and coordinated install of both systems.
 - **Drawing A-7.3** – Face of concrete shown in detail 5/A-7.3 with note “EXISTING PRECAST PAREPET WALL BEYOND” shall receive elastomeric coating per specification 09 9653 “Elastomeric Coating.”
120. **Drawing 5/A-7.2** – Change note “PROVIDE SURFACE MOUNT WEIGHTED PADS UNDER STEEL CHANNEL” to read “07 7200 – PROVIDE ACCESSORY EQUIPMENT PADS UNDER STEEL CHANNEL”
Refer to item #14 above for additional information.
121. **Drawing A-8.3 – A-8.6** – Detail callouts added. Refer to attached drawings A-8.3R1, A-8.4R1, A-8.5R1, and A-8.6R1.
122. **Drawing FP3.1aR2** – Added elevation and isometric views for reference. Clarification on housekeeping pad. Refer to attached drawing.
123. **Drawing P1.0** – Domestic Water Heater Schedule: Add the following notes:
- ASME Pressure Vessel listing
 - Double wall coil construction
 - Stainless steel tank
 - Stainless steel piping connections
 - 2” foam insulation
 - Structural Steel base
 - Drain valve
 - Water Pressure gauge and valve
 - 20ga. steel painted jacket
- **Drawing P1.0** – Revise PSIG to Valve from 75 to 30
124. **Drawing P2.0aR1** – Revised underground sanitary and vent stack to be inside new plumbing chase. Removed demolition scope. See attached drawing.

125. **Drawing P3.0aR1** – Revised underground sanitary and vent stack to be inside new plumbing chase. See attached drawing.
126. **Drawing P3.1aR1** – Revised location of domestic water backflow devices. Existing floor drains in 102 Mech was revised to be in accurate locations. Refer to attached drawing.
127. **Drawing P3.1bR1** – Added piping to new water heaters in 120 Mech. Refer to attached drawing.
128. **Drawing IC1.2R1** – Added controls diagram for stairwell heating fan coils. Refer to attached drawing.
129. **Drawing M2.1aR1** – Revised demolition scope of condensate pipe in 102 Mech. Refer to attached drawing.
130. **Drawing M3.1b** - Revise tag note H1 to read “ROUTE NEW SPLIT SYSTEM REFRIGERANT PIPING LINESET UP FROM LEVEL 01 TO THE ROOF ABOVE LEVEL 4 IN EXISTING SHAFT. REFER TO SHEET M3.6b FOR CONTINUATION. REFRIGERANT PIPE SIZING AND ROUTING SHALL BE PER MANUFACTURER'S SPECIFICATIONS. PIPING SHOWN REPRESENTS SUCTION AND LIQUID REFRIGERANT LINES.”
131. **Drawing M3.6bR1** – Clarified refrigerant pipe routing to CU-1. Refer to attached drawing.
132. **Drawing M3.7R1** – Revised location of flash tank, condensate pump and associated piping. Refer to attached drawing.
133. **Drawing M4.1aR1** – Added stairwell heating fancoils. Refer to attached drawing.
134. **Drawing M4.3aR1** – Added stairwell heating fancoils. Refer to attached drawing.
135. **Drawing M4.5aR1** – Added stairwell heating fancoil. Refer to attached drawing.
136. **Drawing M6.1R1** – Revised fuel oil system detail. Refer to attached drawing.
137. **Drawing M7.0R1** – Revised schedules. Refer to attached drawing.
138. **Drawing E-3.1aR2** – Added undercabinet lighting. Refer to attached drawing.
139. **Drawing E-3.2aR1** – Added undercabinet lighting. Refer to attached drawing.
140. **Drawing E-3.3aR2** – Added undercabinet lighting. Refer to attached drawing.
141. **Drawing E-4.0R2** – Clarified mounting location of generator quick connect. Refer to attached drawing.
142. **Drawing E-4.1aR1** – Added Bid Alternate #2 rework for Life Safety power. Refer to attached drawing.
143. **Drawing E-4.1aR3** – Reworked electrical layout of Fire Pump Room. Refer to attached drawing.
144. **Drawing E-4.1cR2** – Clarified mounting location of generator quick connect. Updated Life Safety circuits in Bid Alternate #2. Refer to attached drawing.
145. **Drawing E-4.2aR1** – Added above counter receptacles for future task lighting. Refer to attached drawing.
146. **Drawing E-4.3aR1** – Added coffee station power. Refer to attached drawing.
147. **Drawing E-4.6aR1** – Added Bid Alternate #2 rework for Life Safety power. Refer to attached drawing.
148. **Drawing E-5.1** – Show 120V Power circuit to new Fan Coil Units shown in Stair A and Stair C. Refer to updated sheet M4.1aR1 for locations. Power both units from Circuit P-1-43. Refer to updated Panel Schedule sheet E-9.3R2.
149. **Drawing E-5.1** – Refer to updated sheet M3.7R2 for updated Enlarged Mechanical Room Layout. Relocate electrical disconnects appropriately to match new equipment locations.
150. **Drawing E-5.3** – Show 120V Power circuit to new Fan Coil Units shown in Stair A and Stair C. Refer to updated sheet M4.3aR1 for locations. Power both units from Circuit P-5-34. Refer to updated Panel Schedule sheet E-9.4R2.

151. **Drawing E-5.5** - Show 120V Power circuit to new Fan Coil Unit shown in Stair A. Refer to updated sheet M4.5aR1 for location. Provide 3#12, #12G in ¾" conduit and terminate on existing panel 501/n/s on 15A/3P breaker.
152. **Drawing E-8.2** - Add undercabinet light 'UC' to fixture schedule. Light shall be 4000K LED, 475 Lumens, 8 Watts, 120V. Basis of Design WAS Lighting BA-AC12. Equals 'Metalux'.
153. **Drawing E-9.3R2** – Added circuits to Panel P-1. Refer to attached drawing.
154. **Drawing E-9.4R2** – Added circuits to Panel P-5 and P-6. Refer to attached drawing.

END OF ADDENDUM NO. 4

DRAFT AIA® Document C106™ – 2013

Digital Data Licensing Agreement

AGREEMENT made as of the «TBD» day of «TBD» in the year «TBD»
(In words, indicate day, month and year.)

BETWEEN the Party transmitting Digital Data (“Transmitting Party”):
(Name, address and contact information, including electronic addresses)

«Omni Architects»
«212 North Upper Street
Suite 200»
«Lexington, KY 40507
859-252-6664»
«ezabilka@omniarchitects.com»

and the Party receiving the Digital Data (“Receiving Party”):
(Name, address and contact information, including electronic addresses)

«TBD»
«»
«»

for the following Project:
(Name and location or address)

«Improve Sanders-Brown Center on Aging/Neuroscience Facilities, 2571.0»
«Lexington, Kentucky 40536»
«Omni Project #: 2133»

The Transmitting Party and Receiving Party agree as follows.

TABLE OF ARTICLES

- 1 GENERAL PROVISIONS
- 2 TRANSMISSION OF DIGITAL DATA
- 3 LICENSE CONDITIONS
- 4 LICENSING FEE OR OTHER COMPENSATION
- 5 DIGITAL DATA

ARTICLE 1 GENERAL PROVISIONS

§ 1.1 The purpose of this Agreement is to grant a license from the Transmitting Party to the Receiving Party for the Receiving Party’s use of Digital Data on the Project, and to set forth the license terms.

§ 1.2 This Agreement is the entire and integrated agreement between the parties. Except as specifically set forth herein, this Agreement does not create any other contractual relationship between the parties.

§ 1.3 For purposes of this Agreement, the term Digital Data is defined to include only those items identified in Article 5 below.

ADDITIONS AND DELETIONS: The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

ELECTRONIC COPYING of any portion of this AIA® Document to another electronic file is prohibited and constitutes a violation of copyright laws as set forth in the footer of this document.

§ 1.3.1 Confidential Digital Data is defined as Digital Data containing confidential or business proprietary information that the Transmitting Party designates and clearly marks as “confidential.”

ARTICLE 2 TRANSMISSION OF DIGITAL DATA

§ 2.1 The Transmitting Party grants to the Receiving Party a nonexclusive limited license to use the Digital Data identified in Article 5 solely and exclusively to perform services for, or construction of, the Project in accordance with the terms and conditions set forth in this Agreement.

§ 2.2 The transmission of Digital Data constitutes a warranty by the Transmitting Party to the Receiving Party that the Transmitting Party is the copyright owner of the Digital Data, or otherwise has permission to transmit the Digital Data to the Receiving Party for its use on the Project in accordance with the terms and conditions of this Agreement.

§ 2.3 If the Transmitting Party transmits Confidential Digital Data, the transmission of such Confidential Digital Data constitutes a warranty to the Receiving Party that the Transmitting Party is authorized to transmit the Confidential Digital Data. If the Receiving Party receives Confidential Digital Data, the Receiving Party shall keep the Confidential Digital Data strictly confidential and shall not disclose it to any other person or entity except as set forth in Section 2.3.1.

§ 2.3.1 DELETED

§ 2.4 The Transmitting Party retains its rights in the Digital Data. By transmitting the Digital Data, the Transmitting Party does not grant to the Receiving Party an assignment of those rights; nor does the Transmitting Party convey to the Receiving Party any right in the software used to generate the Digital Data.

§ 2.5 To the fullest extent permitted by law, the Receiving Party shall indemnify and defend the Transmitting Party from and against all claims arising from or related to the Receiving Party’s modification to, or unlicensed use of, the Digital Data.

§ 2.6 The Receiving Party agrees to make no claim and hereby waives, to the fullest extent permitted by law, any claim or cause of action of any nature against the Transmitting party, the officers, directors, employees, agents, or subconsultants of the Transmitting party that may arise out of or in connection with the use of the digital data files by the Receiving party

§ 2.7 The Receiving Party agrees to keep Confidential Information strictly confidential and not to disclose it to any other person except to (1) its employees, (2) those who need to know the content of the Confidential Information in order to perform services or construction solely and exclusively for the Project, or (3) its consultants and contractors whose contracts include similar restrictions on the use of the Confidential Information.

ARTICLE 3 LICENSE CONDITIONS

The parties agree to the following conditions on the limited license granted in Section 2.1:

(State below rights or restrictions applicable to the Receiving Party’s use of the Digital Data, requirements for data format, transmission method or other conditions on data to be transmitted.)

«§ 3.1.1 The Receiving Party shall utilize the digital data files for the sole purpose of Pre-Construction and Construction tasks associated with the Project named above, including constructability review, cost estimating, construction coordination, and submittal preparation.

§ 3.1.2 The Transmitting Party will furnish the Receiving Party only one set of digital data files of the drawings for use in preparing submittals, to the extent such models are available in digital file format.

§ 3.1.3 Digital data files will only be furnished to the Receiving Party, not to subcontractors or material suppliers.

§ 3.1.4 Upon request from the Receiving Party for specific drawings, indicated by drawing sheet number (attached and referenced as Exhibit A of this Agreement), both parties will execute this Agreement. Upon receipt of the Processing Fee (as defined in Article 4) from the Receiving Party, the Transmitting Party will deliver the digital data files to the Receiving Party on CD or DVD.

§ 3.1.5 The Transmitting Party will make drawings available in .RVT (version 2022) format at its discretion.

§ 3.1.6 Data contained in these digital data files are part of the Transmitting Party's instruments of service and shall not be used by the Receiving Party or others receiving this data through or from the Receiving Party for any purpose other than as described in Article 3.1.1 for the referenced project. Any other use or reuse by the Receiving Party or by others will be at the sole risk of the Receiving Party and without liability or legal exposure to the Transmitting Party.

§ 3.1.7 The digital data files are not construction documents. Differences may exist between these digital data files and corresponding hard-copy construction documents. The Transmitting Party makes no representation regarding the accuracy or completeness of the digital data files received by the Receiving Party. In the event that a conflict arises between the signed or sealed hard-copy construction documents shall govern. The Receiving Party is responsible for determining if any conflicts exist. By the use of these digital data files, the Receiving Party is not relieved of its duty to fully comply with the contract documents, including, and without limitation, the need to check, confirm and coordinate all dimensions and details, take field measurements, verify field conditions and coordinate the work of the Receiving Party with that of other contractors, subcontractors, and suppliers for the project.

§ 3.1.8 Because information presented on the digital data files can be modified, unintentionally or otherwise, the Transmitting Party reserves the right to remove title blocks, company names, logos, professional licensing stamps, and other identification information from these files.

§ 3.1.9 Under no circumstances shall delivery of the digital data files for use by the Receiving Party be deemed a sale by the Transmitting Party, and the Transmitting Party makes no warranties, either express or implied, of merchantability and fitness for any particular purpose. In no event shall the Transmitting Party will be liable for any loss of profit or any consequential damages as a result of the use or reuse of these digital data files by the Receiving Party.»

ARTICLE 4 LICENSING FEE OR OTHER COMPENSATION

The Receiving Party agrees to pay the Transmitting Party the following preparation fee for the Receiving Party's use of the Digital Data:

(State the fee, in dollars, or other method by which the Receiving Party will compensate the Transmitting Party for the Receiving Party's use of the Digital Data.)

«\$0.00»

ARTICLE 5 DIGITAL DATA

The Parties agree that the following items constitute the Digital Data subject to the license granted in Section 2.1: *(Identify below, in detail, the information created or stored in digital form the parties intend to be subject to this Agreement.)*

«Entire Construction Drawing set in digital format.»

This Agreement is entered into as of the day and year first written above and will terminate upon Substantial Completion of the Project, as that term is defined in AIA Document A201™-2007, General Conditions of the Contract for Construction, unless otherwise agreed by the parties and set forth below.

(Indicate when this Agreement will terminate, if other than the date of Substantial Completion.)

« »

TRANSMITTING PARTY *(Signature)*

«Teddi Hibberd, Associate»

(Printed name and title)

RECEIVING PARTY *(Signature)*

«TBD»«»

(Printed name and title)

GENERAL NOTES

SEE QL-SERIES DRAWINGS FOR LABORATORY EQUIPMENT, CASEWORK, ACCESSORIES, ETC.
SEE A-8 SERIES DRAWINGS FOR CURTAIN WALL, LOUVER, DOOR, AND OTHER OPENING TYPES.
SEE ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL EQUIPMENT ITEMS NOT SHOWN ON THE FLOOR PLANS.
SEE A-10 SERIES DRAWINGS FOR FINISH PLANS.
SEE A-9 SERIES DRAWINGS FOR SIGN TYPES.
SEE ELEVATIONS FOR STACKED WALL CONDITIONS, WITH CORRESPONDING WALL TYPES, NOT VISIBLE IN PLAN VIEW.
PROVIDE PENETRATION FIRESTOPPING SYSTEM NEEDED TO MAINTAIN A 2-HR RATED FLOOR ASSEMBLY, TYPICAL FOR ALL NEW AND EXISTING PENETRATIONS IN 1979 BUILDINGS.
SEE SHEET A-10.1 FOR FLOOR DRAIN LOCATIONS.
STOREFRONT DIMENSIONS ARE LOCATED BY ADJACENT WALLS.
NEW DOORS LOCATED IN 3 5/8" STUD WALL ARE TO BE 4" FROM NEAREST ADJACENT WALL STRUCTURE UNLESS OTHERWISE INDICATED.
REFER TO REFLECTIVE CEILING PLAN FOR GYPSUM BOARD CONTROL JOINT LOCATIONS.
ALL EXTERIOR PRECAST AND BRICK MASONRY TO REMAIN SHALL RECEIVE CLEANING, REPAIR, AND REPAINTING AT LOCATIONS WHERE MORTAR HAS RECEDED MORE THAN 3/8" BACK FROM FACE OF MASONRY OR WHERE THERE IS CRACKING IN THE MORTAR JOINT. SEE SPECIFICATIONS FOR MORE INFORMATION.
REFER TO MEP DRAWINGS FOR SCOPE OF SERVICES TO BE RELOCATED OR REPLACED ALONG PERIMETER WALLS.

UTILITY OUTAGES

GIVEN THE SENSITIVE NATURE OF THE LEVEL 02 FREEZER FARM WHICH WILL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION, UTILITY OUTAGES SHALL BE KEPT TO AN ABSOLUTE MINIMUM. IN THE EVENT A UTILITY OUTAGE IS REQUIRED, THE CONTRACTOR SHALL PERFORM EXTENSIVE COORDINATION WITH THE CONSTRUCTION MANAGER, OWNER, AND ARCHITECT PRIOR TO APPROVAL OF OUTAGE AS OUTLINED IN SECTION 01 1000 "SUMMARY".

- EXISTING CONSTRUCTION TO REMAIN - DO NOT DISTURB
- CJ STEM WALL CONTROL JOINT (20' MAXIMUM SPACING) SEE SPECIFICATION 03 3000



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

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

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

REVISIONS

LEVEL 04 FLOOR PLAN

A-1.4a



1 LEVEL 04 FLOOR PLAN
1/4" = 1'-0"

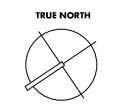
VIVARIUM - SEE SPECIFICATION 01 5200, ARTICLE 1.3.A.
 BARRIER AREA - SEE SPECIFICATION 01 5200, ARTICLE 1.3.B.

ACCESSORY SCHEDULE

#	DESCRIPTION	SIZE	SPECIFICATION	PROVIDER	COMMENTS
1	FLAT SCREEN DISPLAY MOUNT	VARIABLE	11 5213	CFCI	CONFIRM MOUNTING HEIGHTS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. PROVIDE BLOCKING IN WALL.
2	REFRIGERATOR - UNDER COUNTER	15" x 23"	11 3013	OFOI	
3	TRASH/RECYCLING CONTAINER	VARIABLE	-	OFOI	
4	MOVABLE PODIUM WITH AUDIO VISUAL RACK	-	-	OFOI	
5	COPIER / PRINTER	-	11 3013	OFOI	
6	REFRIGERATOR	-	11 3013	OFOI	
7	MICROWAVE	-	11 3013	OFOI	
8	RECESSED FIRE EXTINGUISHER CABINET	-	10 4413	OFOI	REFERENCE SHEET A.02 TYPICAL MOUNTING HEIGHTS
9	FIRE EXTINGUISHER SEMI-RECESSED CABINET	-	10 4413	OFOI	REFERENCE SHEET A.02 TYPICAL MOUNTING HEIGHTS
10	SPILL KIT CABINET	-	10 4413	OFOI	CONTRACTOR TO PROVIDE BLOCKING.
11	MULTI-TIER LOCKER	12" X 18"	10 2600	CFCI	
12	WALL GUARDS	-	10 2600	CFCI	
13	CORNER GUARD	5" HIGH	10 2600	CFCI	
14	REPAIR CABINET	-	10 4420	CFCI	

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SECTION 203100 - TESTING, BALANCING, LUBRICATION AND ADJUSTMENTS

1. GENERAL

- A. The General Conditions, Instructions to Bidders, Section 200100, and other Contract Documents are a part of this specification and shall be binding on all Mechanical Contractors. It shall be each Contractor's responsibility to apprise himself of all information pertinent to his work prior to submitting his proposal. No adjustments will be made in this Contract which are a result of failure to comply with this requirement.
- B. The Engineer, or his authorized representative, shall be notified by the Contractor twenty-four (24) hours in advance of any tests called for in these specifications or required by others. Any leaks or imperfections found shall be corrected and a new test run to the satisfaction of the Engineer or his authorized representative. Upon completion of a test, a written approval of that part of the work will be given to the Contractor. Only after written approval, signed by the Engineer, shall the Contractor apply insulation or paint or allow his work to be furred-in. This written approval, however, does not relieve the Contractor of the responsibilities for any failure during the guarantee period. The expense of all tests shall be borne by the Contractor, along with all temporary equipment, materials, gauges, etc. required for tests.

2. PLUMBING

- A. Piping shall be tested before being insulated or concealed in any manner. Where leaks or defects develop, required corrections shall be made and tests repeated until systems are proven satisfactory.
- B. Water piping systems shall be subjected to a hydrostatic test of one hundred fifty pounds. The system shall be proven tight after a twenty-four (24) hour test.
- C. The house drain line, interior storm sewers, interior rain water conductors, and all soil, waste and vent piping shall be subjected to a hydrostatic test of not less than a 10-foot head or an air test of not less than 5 lbs. per sq. inch using a mercury column gauge and shall hold for 15 minutes.
- D. Exterior sewer lines to the termination point outside the building shall be subject to a ten-foot hydrostatic test or an approved smoke test. These lines shall be subjected to a second test after 2 feet of backfill has been properly installed.
- E. After fixtures have been installed, the entire plumbing system, exclusive of the house sewer, shall be subjected to an air pressure test equivalent to one-inch water column and proven tight. The Contractor responsible shall furnish and install all of the test tees required, including those for isolating any portion of the system for tests.
- F. The Contractor shall perform all additional tests that may be required by the Kentucky Department of Health or other governing agency.
- G. Set temperature control on water heaters and adjust tempering valves as required. Per University standards, hot water shall be maintained at 120 deg F.
- H. Any leaks or imperfections found shall be corrected and a new test run until satisfactory results are obtained. The cost of repair or restoration of surfaces damaged by leaks in any system shall be borne by the Contractor.
- I. The compressed air system shall be tested for leaks for eight (8) hours at 250 PSI.
- J. The natural gas piping shall be tested in accordance with requirements and/or recommendations of the local gas company.

- K. Fuel oil piping shall be static tested at 250 PSI for eight (8) hours.
- L. The domestic hot water recirculation system balancing shall be performed. The system shall be balanced as often as necessary to obtain desired system operation and results.

3. HEATING, VENTILATING AND AIR CONDITIONING

- A. All piping shall be tested before being insulated or concealed in any manner. Where leaks or defects develop, required corrections shall be made and tests repeated until systems are proven satisfactory. Water piping systems shall be subjected to a hydrostatic test of not less than one hundred pounds and shall be proven tight after a twenty-four (24) hour test.
- B. All motors, bearings, etc. shall be checked and lubricated as required. All automatic, pressure regulating and control valves shall be adjusted. Excessive noise or vibration shall be eliminated.
- C. Thermometers and gauges shall be checked for accuracy. If instruments are proven defective, they shall be replaced.
- D. For all balance valves, include pressure drop and balance valve setting in the final balance reports.
- E. System balancing, where required, shall be performed only by persons skilled in this work. The system shall be balanced as often as necessary to obtain desired system operation and results.
- F. All fan belts shall be adjusted for proper operation of fans. If sheaves are required to obtain the air flows specified, the Contractor shall provide them.
- G. Set temperature controls on boilers, etc. as specified.
- H. The Contractor shall adjust all pump drives or balancing valves to obtain water flow specified. The Contractor shall also provide and change pump impellers, if required, to obtain flows specified.
- I. The Contractor shall perform and be responsible for lubrication of all equipment prior to operation. Equipment damaged by failure to perform proper lubrication shall be repaired at his expense.
- J. For the purpose of placing the heating, ventilating and air conditioning system in operation according to design conditions and certifying same, final testing and balancing shall be performed in complete accordance with AABC Standards for Field Measurements and Instrumentation Form No. 81266, Volume One, for air and hydronic systems as published by the Associated Air Balance Council. The Contractor shall procure the services of an AABC or NEBB Certified company, approved by the Engineer, that specializes in and whose business is to balance and test mechanical systems. The Balance Contractor must be independent and may not be a Branch or Company owned by any other Contractor on the project.
- K. Instruments used for testing and balancing of air and hydronic systems shall have been calibrated within a period of six months prior to balancing. All final test analysis reports shall include a letter of certification listing instrumentation used and last date of calibration.
- L. The temperature controls supplier shall provide thorough training, all required software and cable connections to the test and balance trades for use in balancing the systems.

- M. Per University standards, the TAB contractor will conduct an inspection of the mechanical installation at 30% and 70% completion. A report on the installation will be given to the prime contractor listing items to be corrected and addressed prior to the TAB contractor beginning TAB work.
- N. The Contractor must submit any list of interim deficiencies and preliminary balance reports to the Engineer prior to final balance. The Contractor shall make all necessary corrective measures prior to the final balance report submittal.
- O. Four (4) copies of the complete test reports shall be submitted to the Consulting Engineer prior to final acceptance of the project. The TAB report is to be in a letter-sized binder with cover and edge title, introduction information, index, a set of drawings, equipment identification, data sheets, etc. A TAB report is to accompany each M&O manual required.
- P. The Contractor shall provide and coordinate their work in the following manner:
- (1) Provide sufficient time before final completion date so that tests and balancing can be accomplished.
 - (2) Provide immediate labor and tools to make corrections when required without undue delay.
 - (3) The Contractor shall put all heating, ventilating and air conditioning systems and equipment and range hood system into full operation and shall continue the operation of same during each working day of testing and balancing.
 - (4) Provide a fan curve with balance report for each fan with a flow of greater than or equal to 2,000 CFM.
 - (5) Per University standards, the TAB field work is to be conducted in both the heating and cooling mode of operation. This may require the contractor to return to the site after seasonal change-over.
 - (6) Per University standards, the TAB work shall be performed only after all equipment and controls have been installed and all systems are 100% functional.
- Q. Balance all water and air systems. Be sure to include:
- (1) Balance all Air Handlers.
 - (2) Balance all non-lab supply, return, and exhaust air grilles to within 10% of design air flow rate.
 - (3) Balance all lab supply and exhaust air grilles to within 5% of design air flow rate.
 - (4) Balance all exhaust air fans and record inlet static pressure.
 - (5) Domestic Hot Water Recirculating System.
- R. Automatic Flow Control Balance Valves
- (1) Verify that each installed automatic flow control device matches the GPM indicated on the drawings.
 - (2) Verify that the actual pressure at each automatic flow control device is within the pressure limits specified by the valve manufacturer.
 - (3) Include documentation of the above information for each control device in the final balance report.

4. FIRE PROTECTION SYSTEM

- A. Test in accord with local Fire Marshal requirements and/or requirements or recommendations of NFPA Regulations.

5. ACQUISITION OF DOCUMENTS

The construction manager shall furnish one set of all documents, addenda, change orders, shop drawings, etc to the balance contractor for his use.

A. INSTRUMENTATION

All instruments used for measurements shall be accurate and calibrated. Calibration and maintenance of all instruments shall be in accordance with the requirements of the National Standards.

(1) General

- a. The specific systems shall be reviewed and inspected for conformance to design documents. Testing, adjusting and balancing on each identified system shall be performed. The accuracy of measurements shall be in accordance with National Standards. Adjustment tolerances shall be + or - 10% unless otherwise stated.
- b. Equipment settings, including manual damper quadrant positions, manual valve indicators, fan speed control levers, and similar controls and devices shall be marked to show final settings.
- c. All information necessary to complete a proper TAB project and report shall be per National Organization's standards unless otherwise noted. The descriptions for work required, as listed in this section, are guides to the minimum information needed.

(2) Air Systems

- a. The TAB Agency shall verify that all ductwork, dampers, grilles, registers, and diffusers have been installed per design and set in the full open position. The TAB Agency shall perform the following TAB procedures in accordance with the National Standards:

For Supply Fans:

- 1) Fan Speeds - Test and adjust fan RPM to achieve maximum or design CFM. Confirm proper rotation direction.
- 2) Current and Voltage - Test and record motor voltage and amperage, and compare data with the nameplate limits to ensure fan motor is not in or above the service factor.
- 3) Pitot-Tube Traverse - Perform a Pitot-tube traverse of main supply and return ducts, as applicable to obtain total CFM.
- 4) Outside Air - Test and adjust the outside air on applicable equipment using a Pitot-tube traverse. If a traverse is not practical use the mixed/air temperature method if the inside and outside

temperature difference is at least 20 degrees Fahrenheit or use the difference between Pitot-tube traverses of the supply and return air ducts.

- 5) Static Pressure - Test and record system static profile of each supply fan.

For Return Fans:

- 1) Fan Speeds - Test and adjust fan RPM to achieve maximum or design CFM. Confirm proper rotation direction.
- 2) Current and Voltage - Test and record motor voltage and amperage, and compare data with the nameplate limits to ensure fan motor is not in or above the service factor.
- 3) Pitot-Tube Traverse - Perform a Pitot-tube traverse of the main return ducts to obtain total CFM.
- 4) Static Pressure - Test and record system static profile of each return fan.

For Exhaust Fans:

- 1) Fan Speeds - Test and adjust fan RPM to achieve maximum or design CFM. Confirm proper rotation direction.
- 2) Current and Voltage - Test and record motor voltage and amperage, and compare data with the nameplate limits to ensure fan motor is not in or above the service factor.
- 3) Pitot-Tube Traverse - Perform a Pitot-tube traverse of main exhaust ducts to obtain total CFM.

For Zone, Branch and Main Ducts:

- 1) Adjust ducts to within design CFM requirements. As applicable, at least one zone balancing damper shall be completely open. Multi-diffuser branch ducts shall have at least one outlet or inlet volume damper completely open.

For Diffusers, Registers and Grilles:

- 1) Tolerances - Test, adjust, and balance each diffuser, grilles, and register to within 10% of design requirements.
- 2) Adjust all adjustable diffusers to minimize air drafts and eliminate suspended light fixture sway.
- 3) Adjustable diffusers in spaces with ceilings taller than 9 feet shall be adjusted to eliminate air stratification during heating season.
- 4) Identification - Identify the type, location, and size of each grille, diffuser, and register. This information shall be recorded on air outlet data sheets.

For Coils:

- 1) Air Temperature - Once air flows are set to acceptable limits, take wet bulb and dry bulb air temperatures on the entering and leaving side of each cooling coil. Dry-bulb temperature shall be taken on the entering and leaving side of each heating coil.

(3) Hydronic Systems

- a. The TAB Agency shall, as applicable, confirm that all hydronic equipment, piping, and coils have been filled and purged; that strainers have been cleaned, and that all balancing valves (except bypass valves) are set full open. The TAB Agency shall perform the following testing and balancing functions in accordance with the National Standards:

For Pumps:

- 1) Test and adjust chilled water, hot water, and condenser water pumps to achieve maximum or design GPM. Check pumps for proper operation. Confirm proper rotation direction. Pumps shall be free of vibration and cavitation. Record appropriate gauge readings for final TDH and Clock/Off/Dead head calculations.
- 2) Current and Voltage - Test and record motor voltage and amperage, and compare data with the nameplate limits to ensure pump motor is not in or above the service factor.

For System Mains and Branches:

- 1) Adjust water flow in pipes to achieve maximum or design GPM.

For Coils:

- 1) Tolerances - Test, adjust, and balance all chilled-water and hot-water coils within 10% of design requirements.
- 2) Verification - Verify the type, location, final pressure drop and GPM of each coil. This information shall be recorded on coil data sheets.

For Domestic Hot Water System:

- 1) Balance domestic hot water recirculation system.

For Duct Testing:

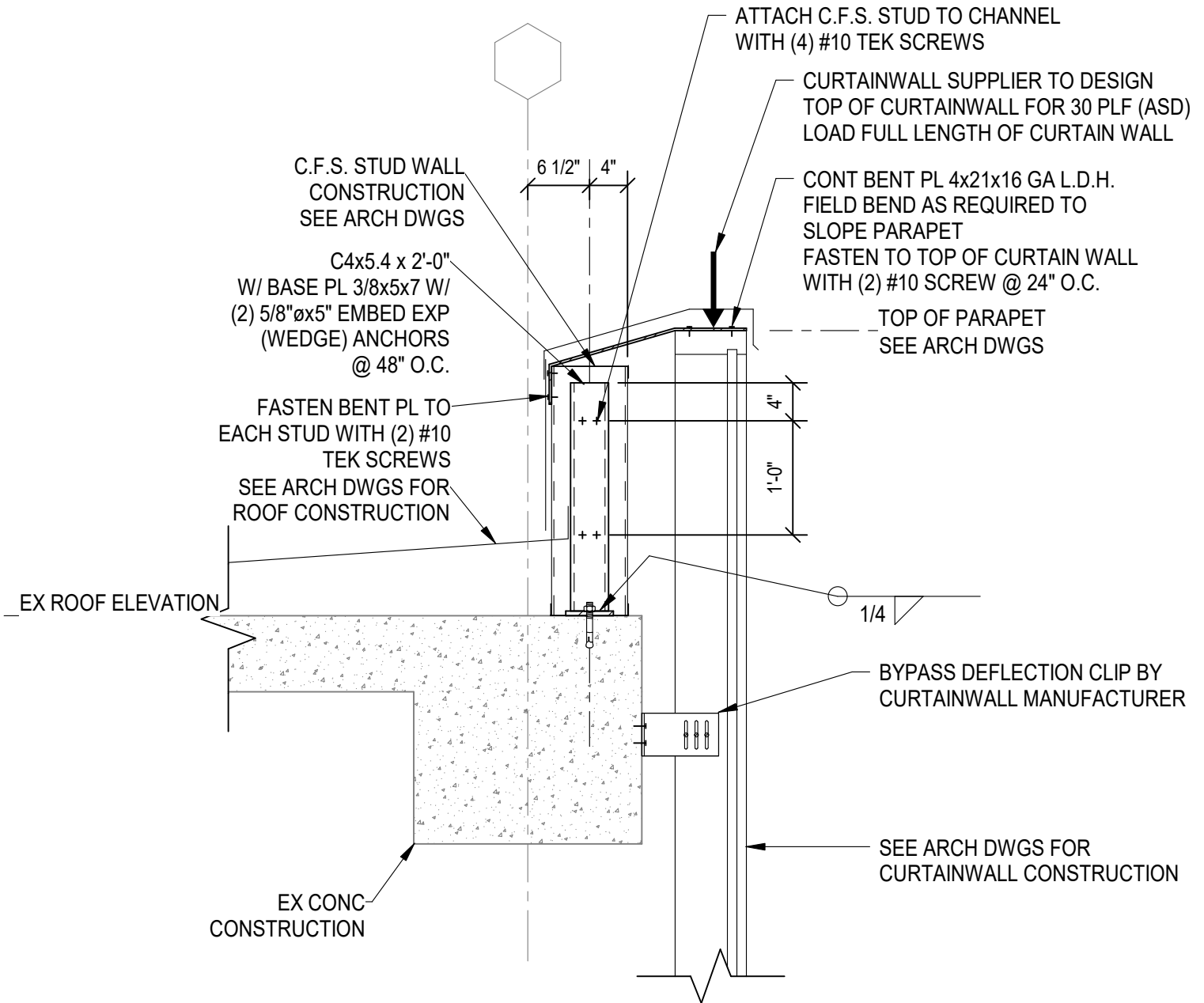
- 1) See Specification Section 231200 for specific requirements.

(4) Other TAB Services

- a. Preconstruction Plan Check and Review: The TAB Agency shall review the project documents and contractor submittals for their effect on the TAB process and overall performance of the HVAC system. It shall submit recommendations for enhancements or changes to the system within 30 days of document review.

- b. Job Site Inspections: During construction, the TAB Agency shall inspect the installation of pipe systems, sheet metal work, temperature controls, and other component parts of the HVAC systems. Inspections shall be conducted a minimum of two times. (Typically, these are performed when 60% of the total system is installed and again when 90% of the total system is installed, prior to insulation of the duct and piping). The TAB Agency shall submit a written report of each inspection.
- c. Temperature Testing: To verify system control and operation, a series of three temperature tests shall be taken at approximately two-hour intervals in each separately controlled zone. The resulting temperatures shall not vary more than two degrees Fahrenheit from the thermostat or control setpoint during the tests. Outside temperature and humidity shall also be recorded during the testing periods. (Random zones may be selected by the Engineer if such a test is needed to prove building system.)
- d. Fume Hood Testing: The TAB Agency shall test and adjust fume hood total air flow by duct Pitot-tube traverse or best possible method. If a Pitot-tube traverse is not practical, an explanation of why a traverse was not made must appear on the appropriate data sheet. Test and record face velocities under design operating conditions using a maximum of a one square foot grid patterns across the entire open face. The TAB Agency shall set sash height on hoods to obtain face velocities within 20% to 100 feet per minute unless specified otherwise. It shall test and adjust VAV controllers to obtain design exhaust air flows and make-up air flows to maintain design hood pressures and face velocities, and design room pressurization. The TAB Agency shall test for turbulence and proper air flow patterns at the face and inside the hoods using a hand-held smoke puffer or other approved smoke-emitting device.
- e. Building/Zone Pressurization: The TAB Agency shall test and adjust building/zone pressurization by setting the design flows to meet the required flow direction and pressure differential. For positive pressure areas, it shall set the supply air to design flow, and gradually reduce and exhaust air rate to obtain the required flow or pressure difference. For negative pressure areas, it shall set the supply air to design flow, and gradually increase the exhaust air rate to obtain the required flow or pressure difference.

END OF SECTION 203100



REVISED P/S4.1

A
Ad-S-3.1

3/4" = 1'-0"



BROWN+KUBICAN
STRUCTURAL ENGINEERS

2224 Young Drive
Lexington, KY 40505
Phone: 859-543-0933
<https://brownkubican.net>

REVISED DETAIL P/S4.1

UK SANDERS BROWN
Lexington, KY

PROJECT #:	21383
DRAWN BY:	MSC
CHECKED BY:	MSC
DATE:	03/08/23

Ad-S-3.1

FIRE RATING GENERAL NOTES

REFER TO 2 / G-1.1 FOR EXTENT OF FIRE RATING ASSEMBLIES AT BRIDGE CONNECTOR.

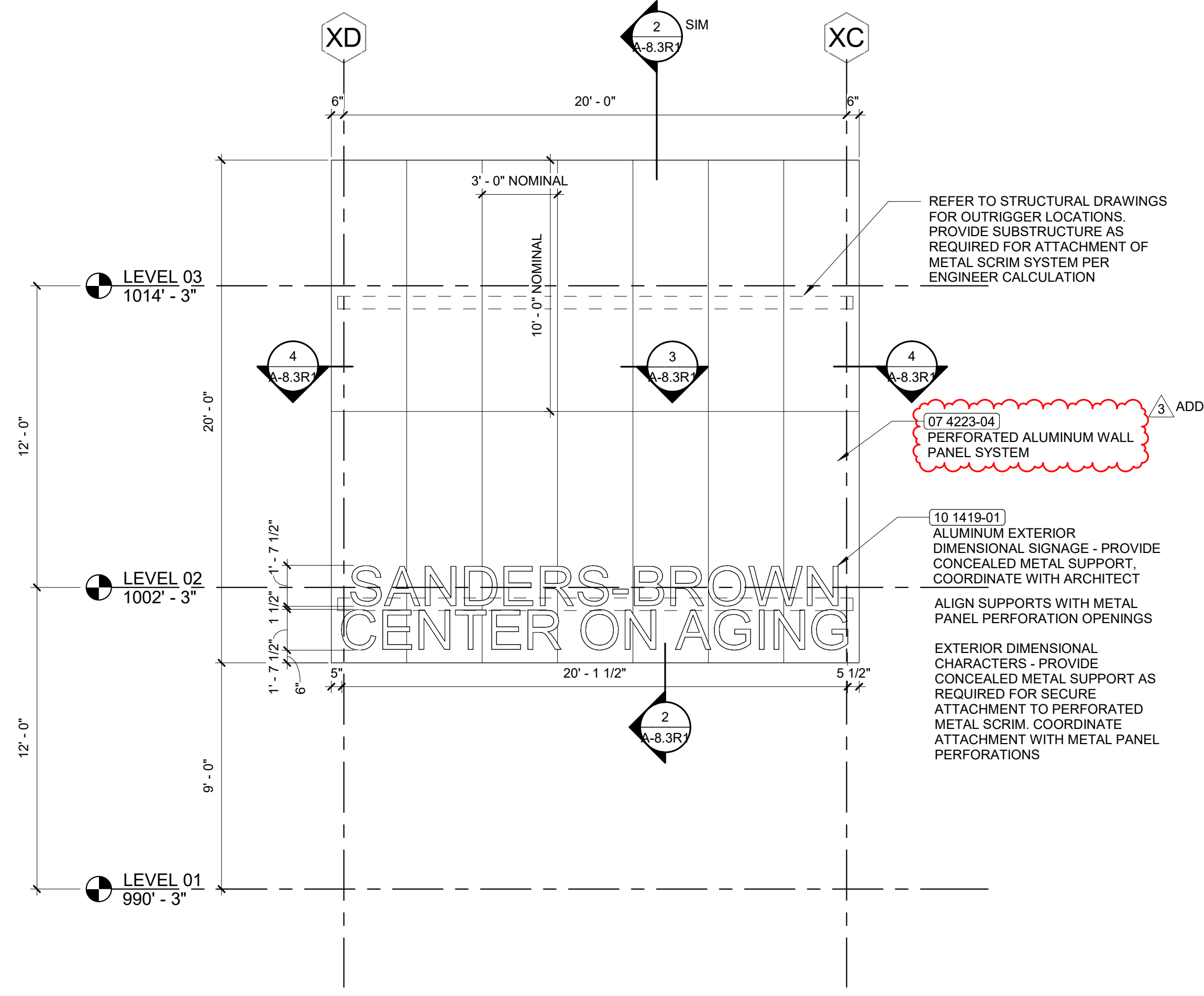
GLAZING LEGEND

REFER TO SPECIFICATION 08 8000 FOR ADDITIONAL INFORMATION REGARDING GLAZING SCHEDULE, REQUIREMENTS, AND PERFORMANCE.

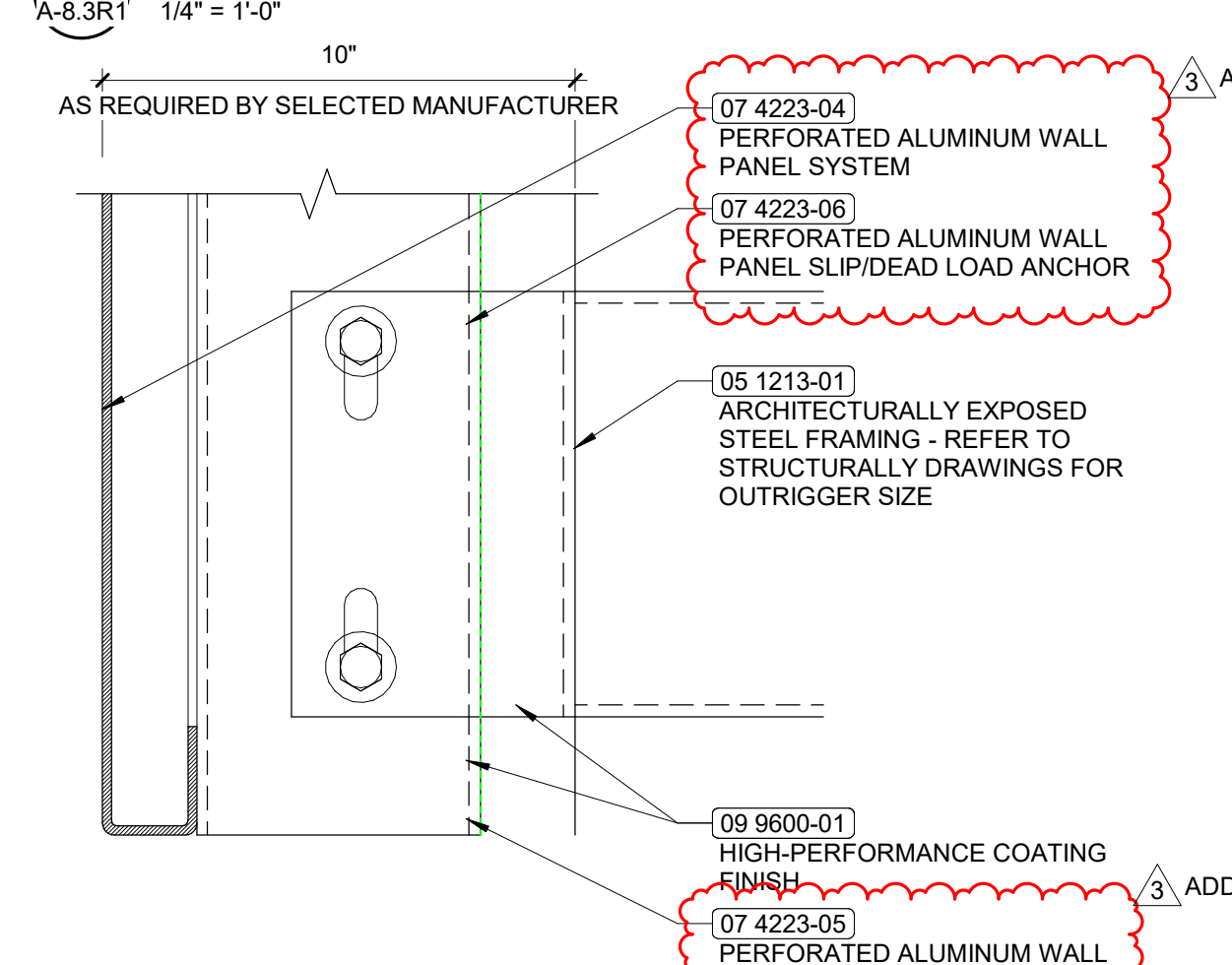
- MG-1 MONOLITHIC GLASS, FULLY TEMPERED
- LG-1 CLEAR LAMINATED GLASS
- IG-1 LOW-E COATED, CLEAR INSULATING GLASS
- IG-2 LOW-E COATED, 40% DOTS DECORATIVE CERAMIC-COATED, CLEAR INSULATING GLASS
- IG-3 LOW-E COATED, 60% HOLES DECORATIVE CERAMIC-COATED, CLEAR INSULATING GLASS
- IG-4 LOW-E COATED, SPANDREL GLASS
- IG-5 LOW-E COATED, 40% DOTS DECORATIVE CERAMIC-COATED, SPANDREL GLASS
- IG-6 LOW-E COATED, 60% HOLES DECORATIVE CERAMIC-COATED, SPANDREL GLASS
- FRPG-1 LOW-E COATED, 120 MINUTE FIRE RESISTIVE CLEAR GLAZING
- FRPG-2 LOW E-COATED, 120 MINUTE FIRE RESISTIVE GLAZING WITH DECORATIVE FILM
- FPGL-60 MINUTE FIRE-RESISTIVE GLAZING

GRAPHIC LEGEND

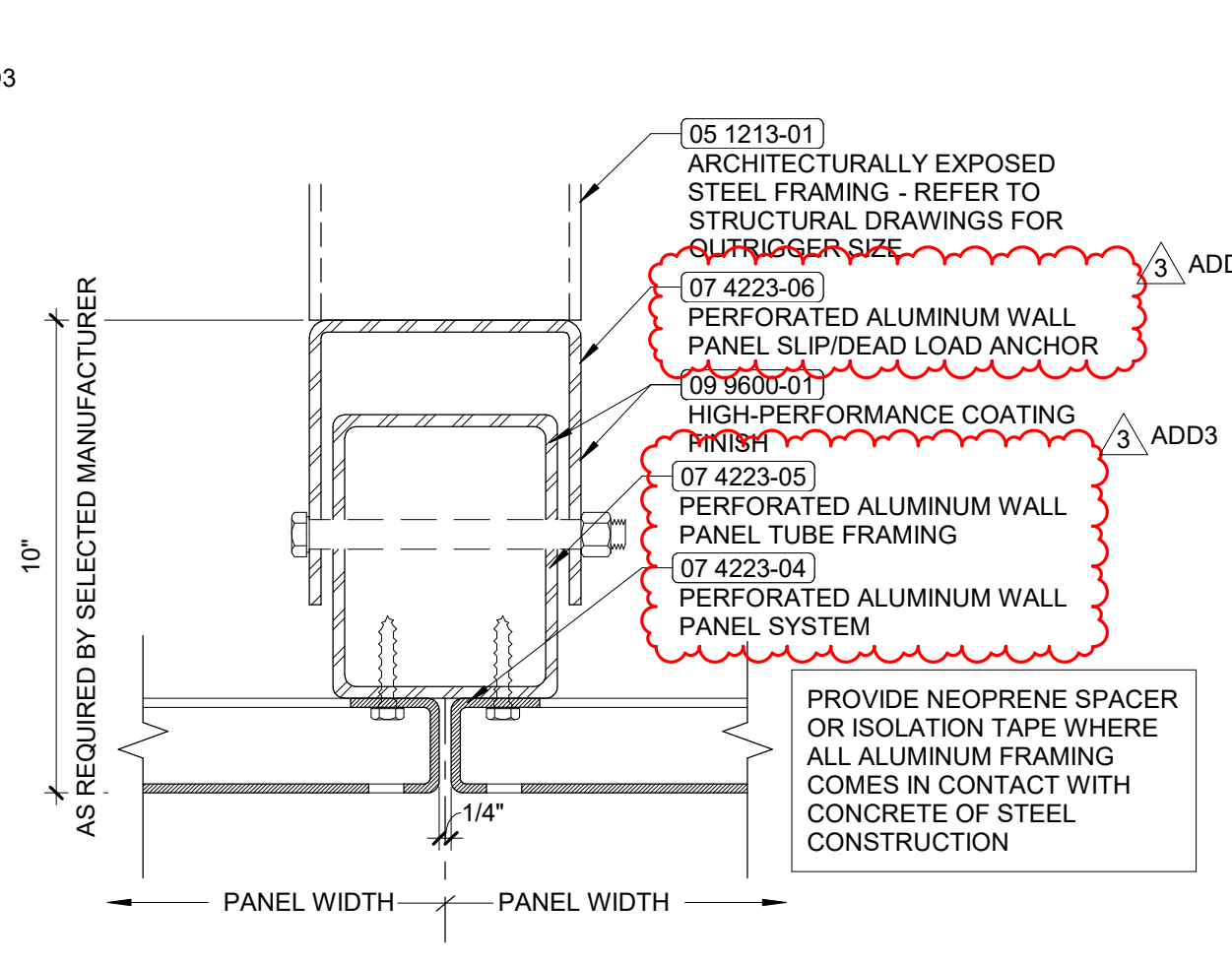
- EXISTING VERTICAL JOINT - ENTIRE HEIGHT
- EXISTING HORIZONTAL CONTROL JOINT - ENTIRE WIDTH



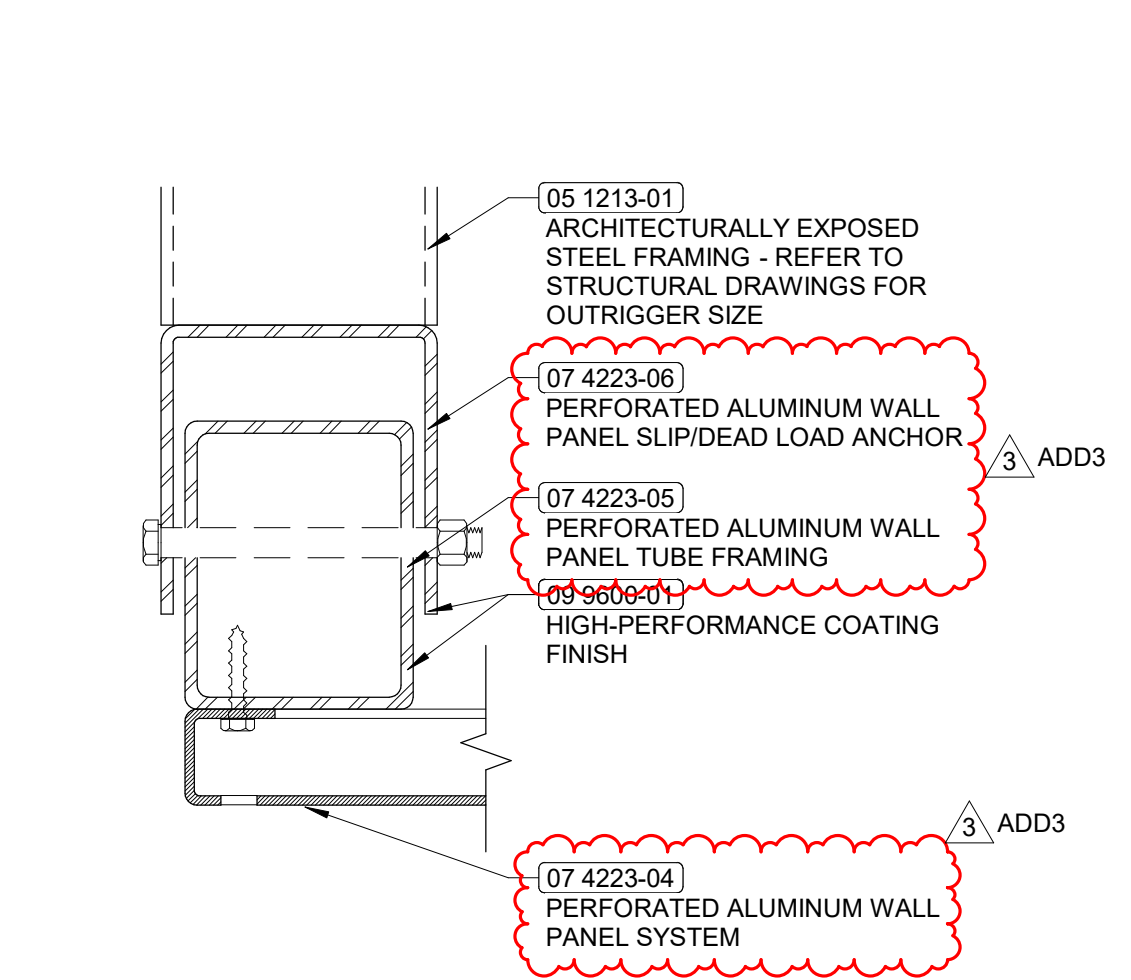
1 ENLARGED ELEVATION - WEST @ SCRIM



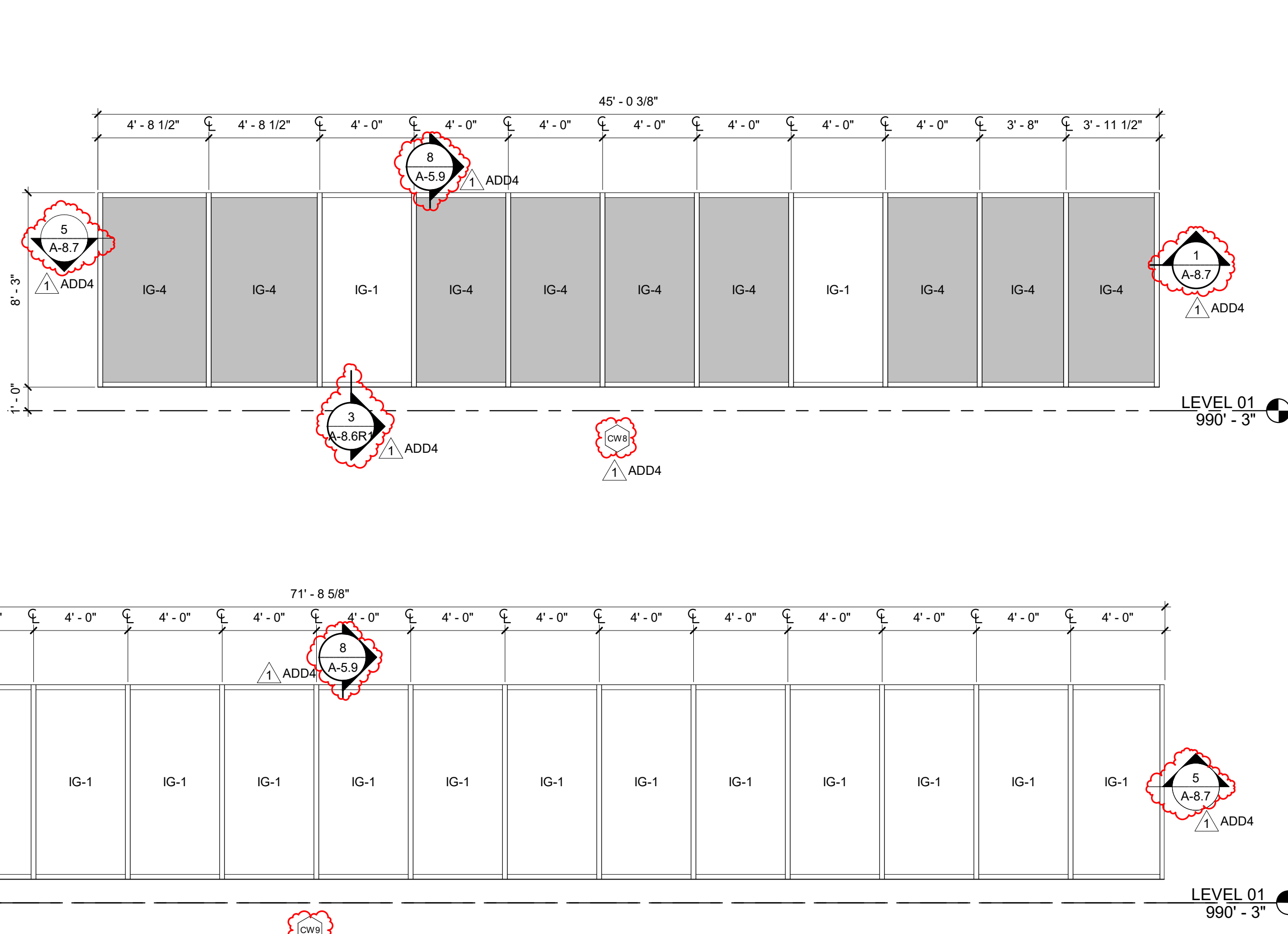
2 METAL SCRIM EDGE DETAIL



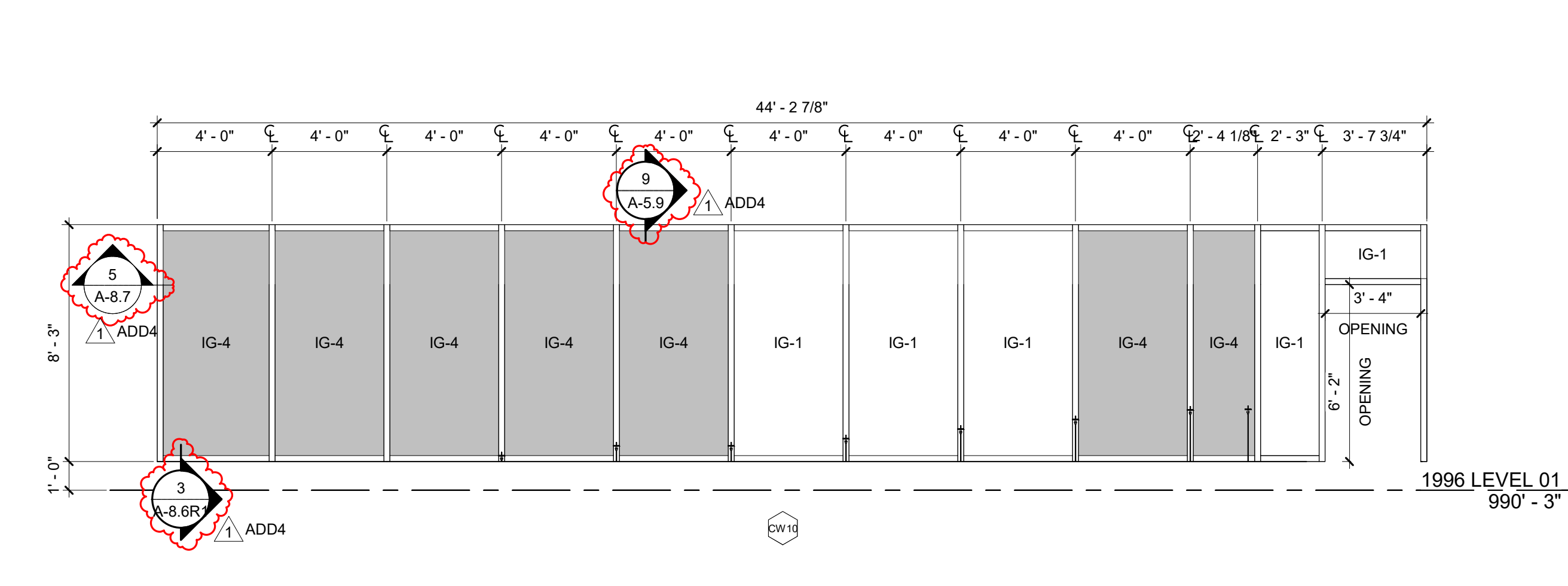
3 METAL SCRIM VERTICAL JOINT DETAIL



4 METAL SCRIM END WALL DETAIL



5 LEVEL 01 CURTAIN WALL ELEVATIONS



5 LEVEL 01 CURTAIN WALL ELEVATIONS

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ADD 3	02/21/2023
ADD 4	03/08/2023

LEVEL 01 CURTAINWALL ELEVATIONS

A-8.3R1

FIRE RATING GENERAL NOTES

REFER TO 2 / G-1.1 FOR EXTENT OF FIRE RATING ASSEMBLIES AT BRIDGE CONNECTOR.

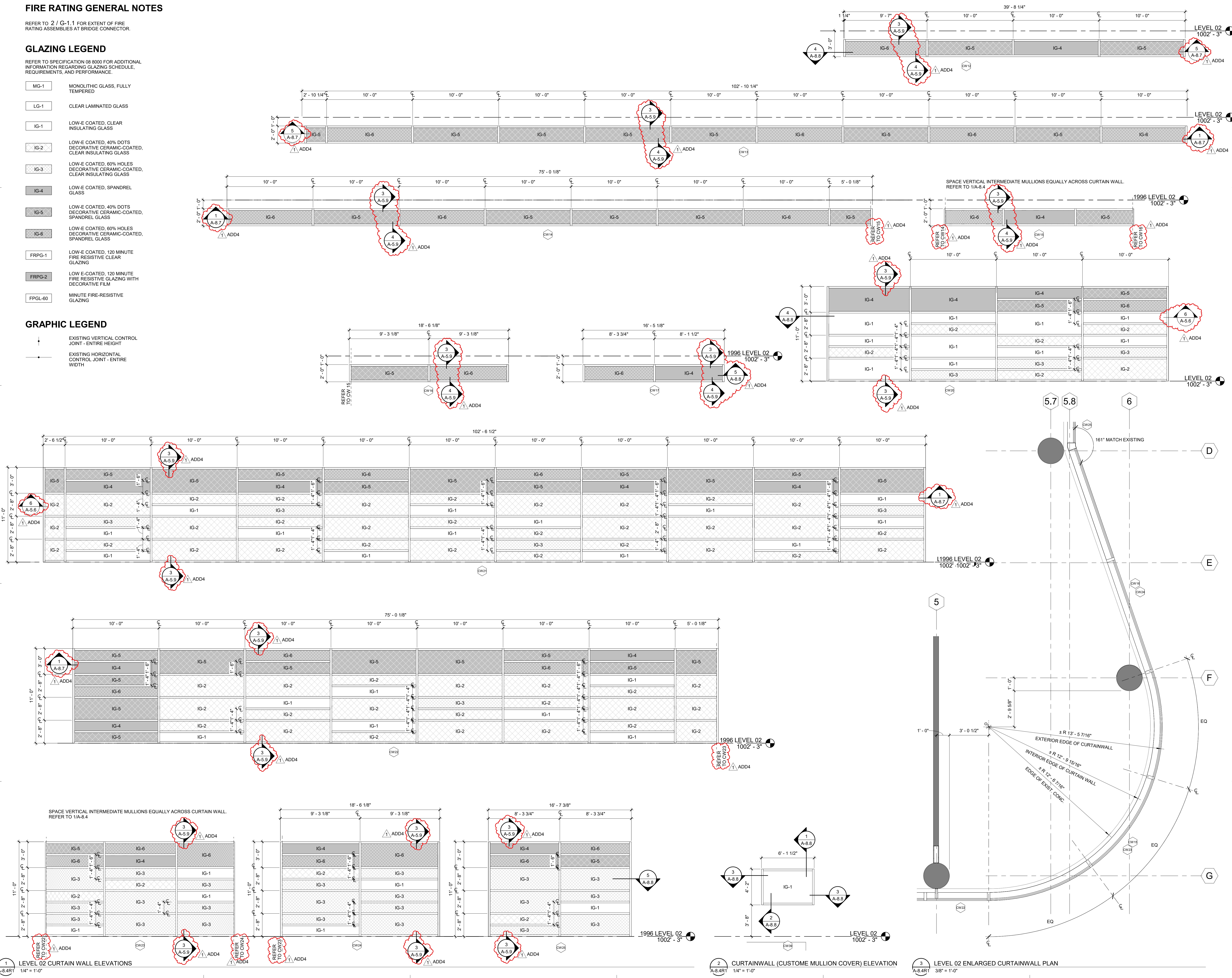
GLAZING LEGEND

REFER TO SPECIFICATION 08 8000 FOR ADDITIONAL INFORMATION REGARDING GLAZING SCHEDULE, REQUIREMENTS, AND PERFORMANCE.

- MG-1 MONOLITHIC GLASS, FULLY TEMPERED
- LG-1 CLEAR LAMINATED GLASS
- IG-1 LOW-E COATED, CLEAR INSULATING GLASS
- IG-2 LOW-E COATED, 40% DOTS DECORATIVE CERAMIC-COATED, CLEAR INSULATING GLASS
- IG-3 LOW-E COATED, 60% HOLES DECORATIVE CERAMIC-COATED, CLEAR INSULATING GLASS
- IG-4 LOW-E COATED, SPANDREL GLASS
- IG-5 LOW-E COATED, 40% DOTS DECORATIVE CERAMIC-COATED, SPANDREL GLASS
- IG-6 LOW-E COATED, 60% HOLES DECORATIVE CERAMIC-COATED, SPANDREL GLASS
- FRPG-1 LOW-E COATED, 120 MINUTE FIRE RESISTIVE CLEAR GLAZING
- FRPG-2 LOW-E COATED, 120 MINUTE FIRE RESISTIVE GLAZING WITH DECORATIVE FILM
- FPGL-60 MINUTE FIRE-RESISTIVE GLAZING

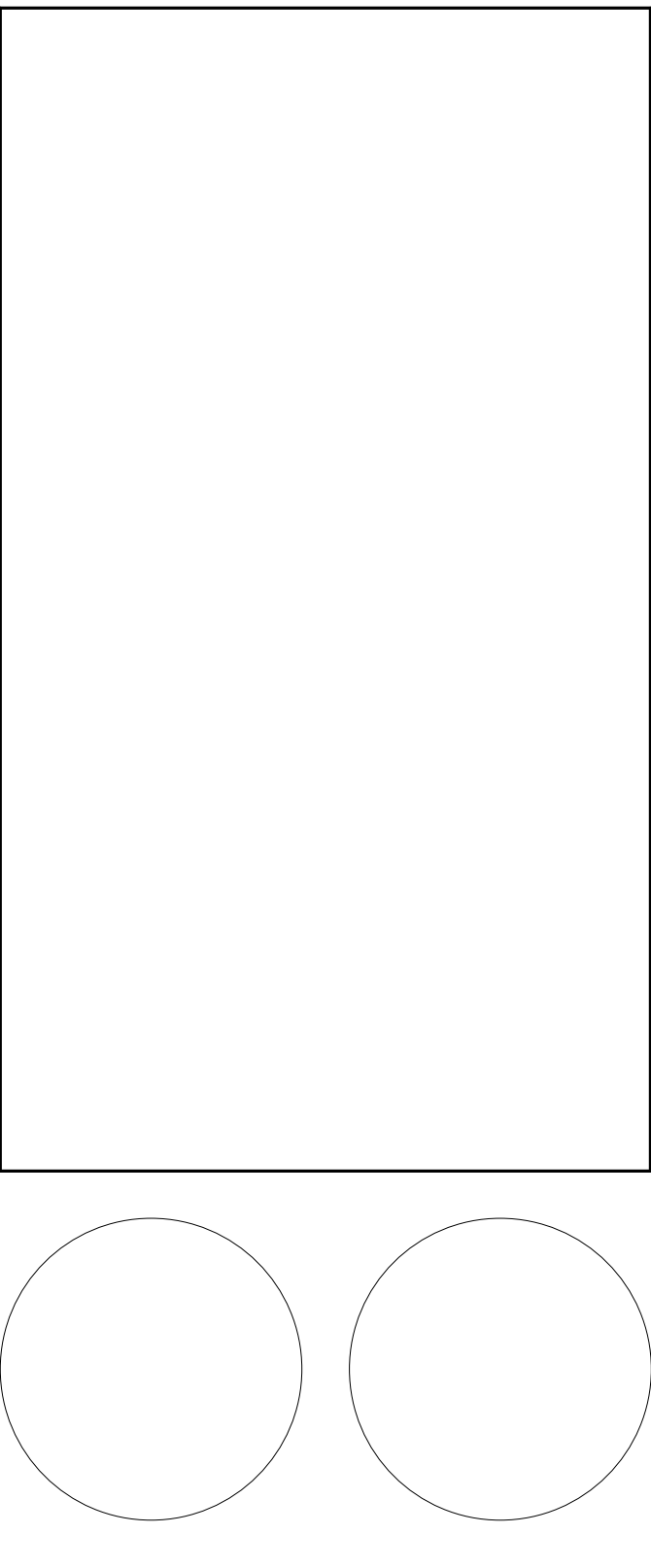
GRAPHIC LEGEND

- ↑ EXISTING VERTICAL CONTROL JOINT - ENTIRE HEIGHT
- EXISTING HORIZONTAL CONTROL JOINT - ENTIRE WIDTH



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1, ADD 4	03/08/2023

LEVEL 02 CURTAINWALL ELEVATIONS

A-8.4R1

PRINT DATE: 3/7/2023 11:20:56 AM

1 LEVEL 02 CURTAIN WALL ELEVATIONS
2 CURTAINWALL (CUSTOME MULLION COVER) ELEVATION
3 LEVEL 02 ENLARGED CURTAINWALL PLAN

GLAZING LEGEND

REFER TO SPECIFICATION 08 8000 FOR ADDITIONAL INFORMATION REGARDING GLAZING SCHEDULE, REQUIREMENTS, AND PERFORMANCE.

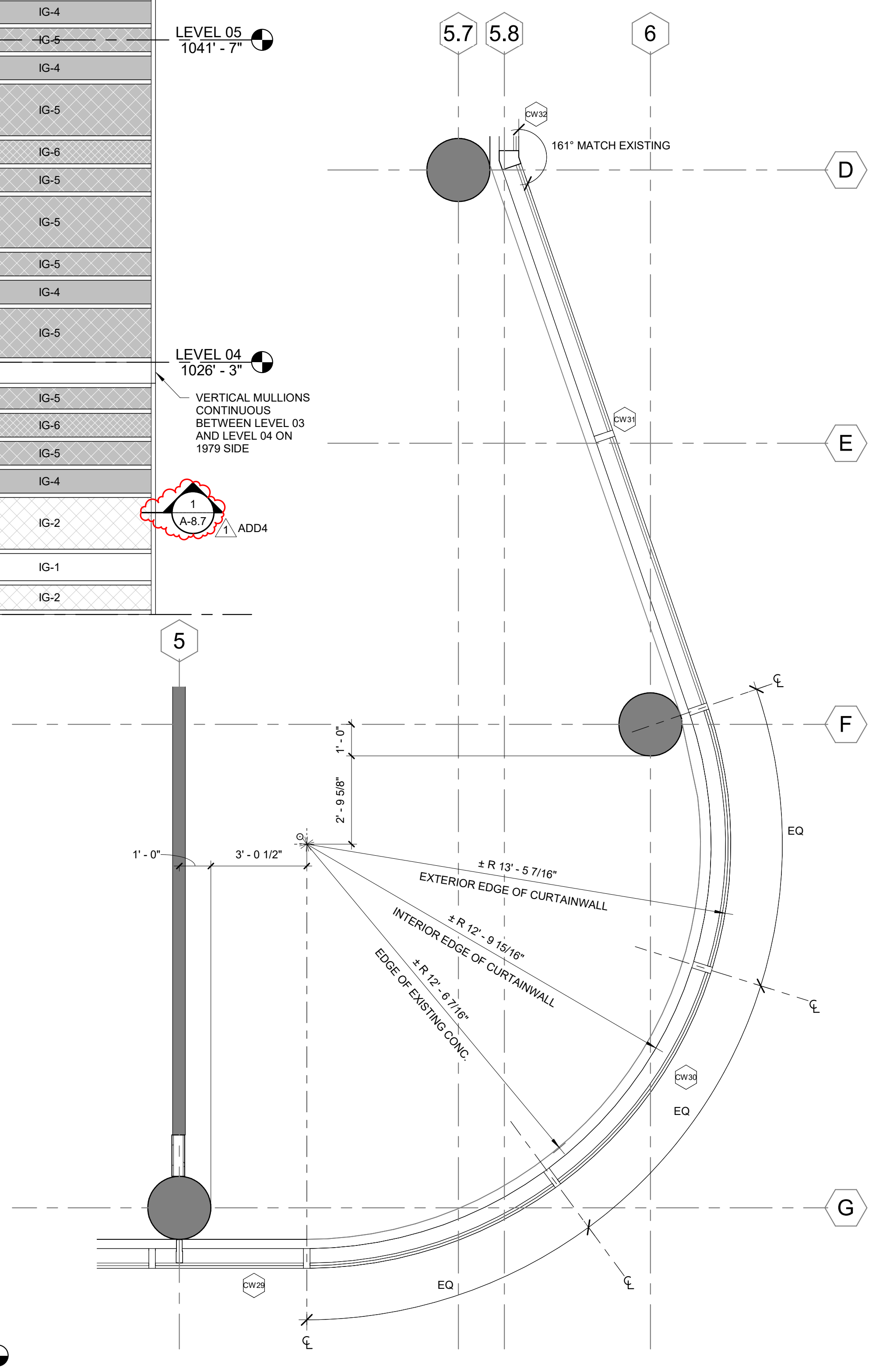
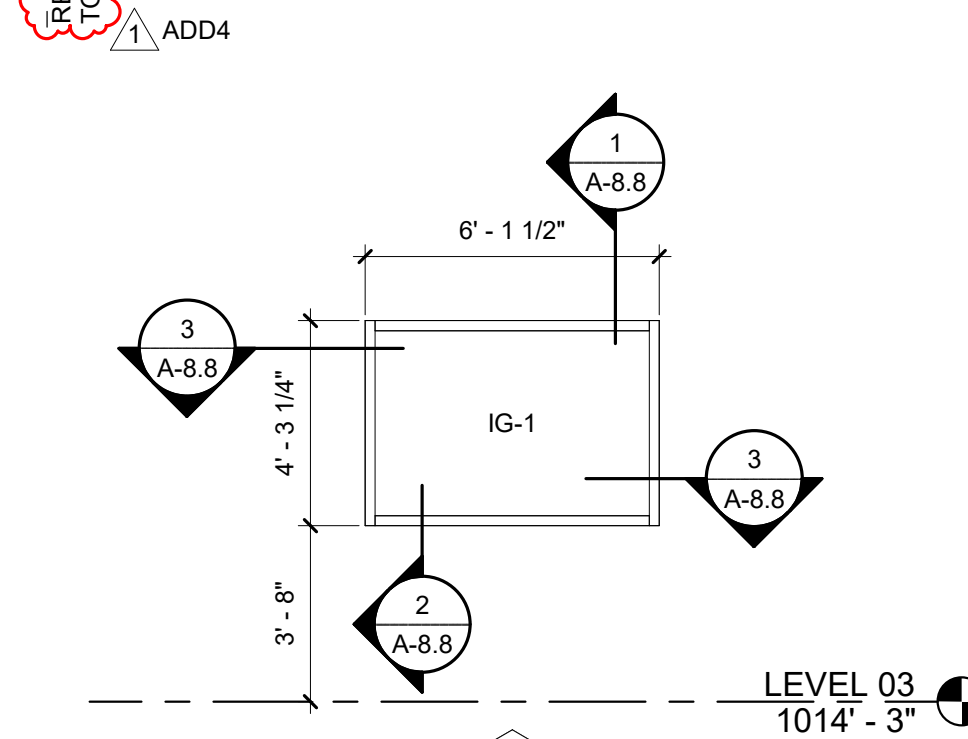
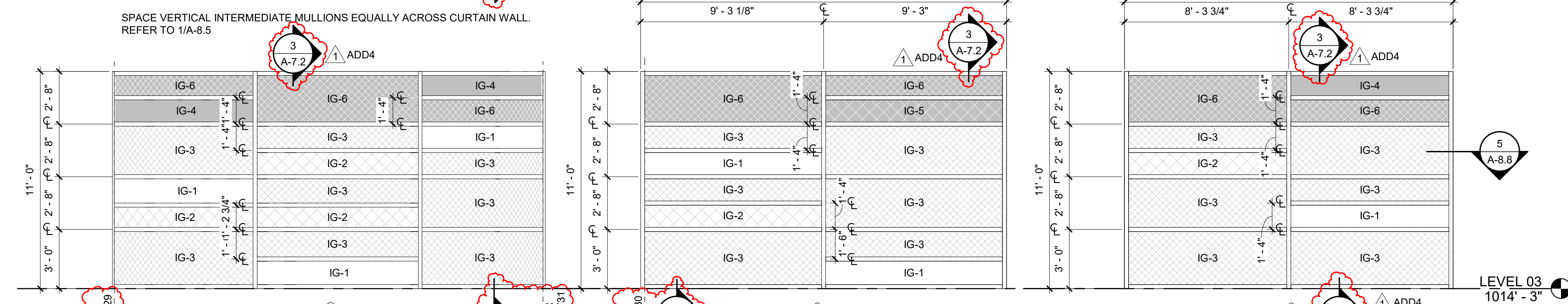
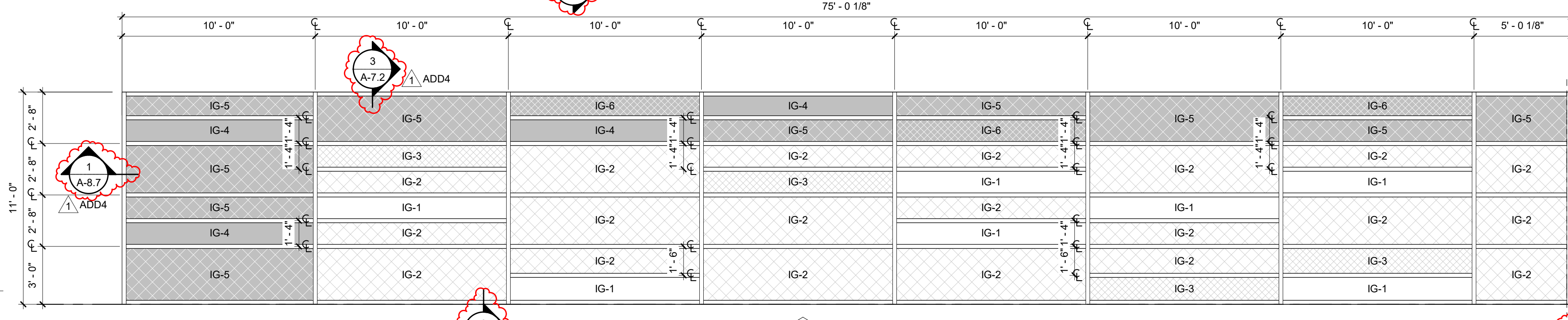
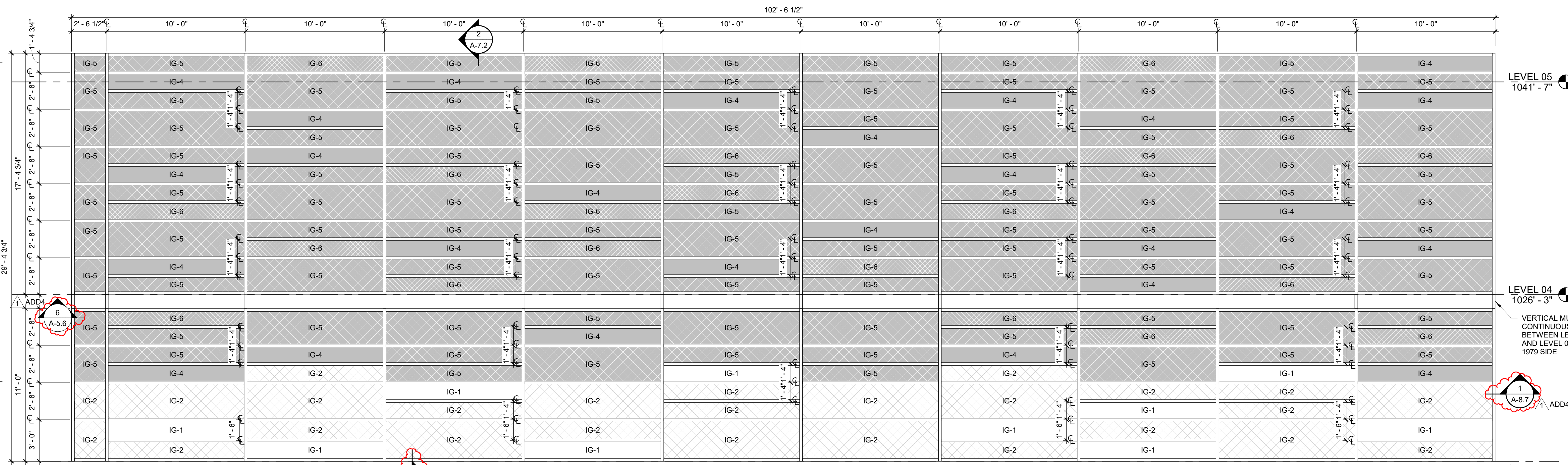
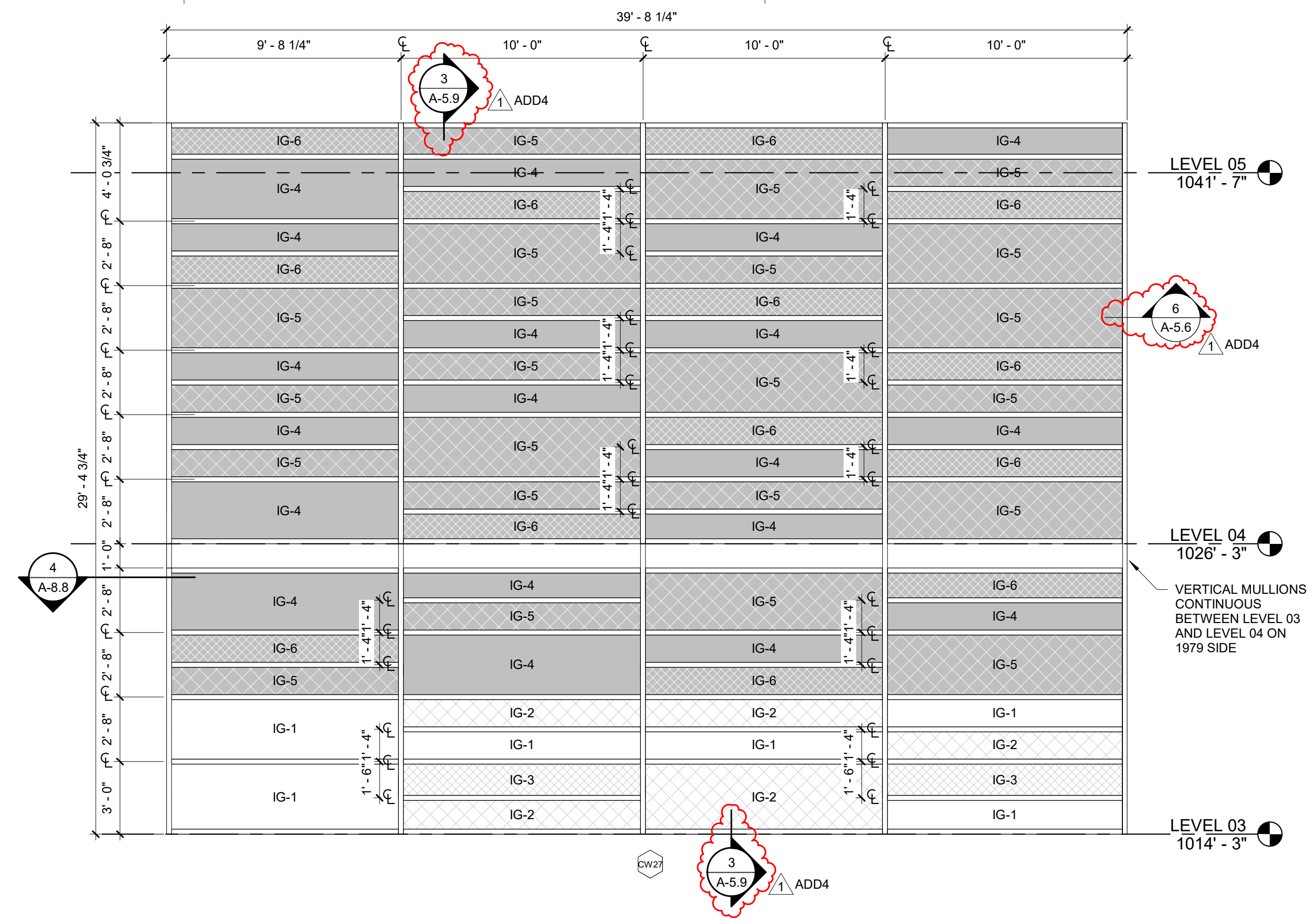
- MG-1 MONOLITHIC GLASS, FULLY TEMPERED
- LG-1 CLEAR LAMINATED GLASS
- IG-1 LOW-E COATED, CLEAR INSULATING GLASS
- IG-2 LOW-E COATED, 40% DOTS DECORATIVE CERAMIC-COATED, CLEAR INSULATING GLASS
- IG-3 LOW-E COATED, 60% HOLES DECORATIVE CERAMIC-COATED, CLEAR INSULATING GLASS
- IG-4 LOW-E COATED, SPANDREL GLASS
- IG-5 LOW-E COATED, 40% DOTS DECORATIVE CERAMIC-COATED, SPANDREL GLASS
- IG-6 LOW-E COATED, 60% HOLES DECORATIVE CERAMIC-COATED, SPANDREL GLASS
- FRPG-1 LOW-E COATED, 120 MINUTE FIRE RESISTIVE CLEAR GLAZING
- FRPG-2 LOW-E COATED, 120 MINUTE FIRE RESISTIVE GLAZING WITH DECORATIVE FILM
- FPGL-60 MINUTE FIRE-RESISTIVE GLAZING

FIRE RATING GENERAL NOTES

REFER TO 2 / G-1.1 FOR EXTENT OF FIRE RATING ASSEMBLIES AT BRIDGE CONNECTOR.

GRAPHIC LEGEND

- ↑ EXISTING VERTICAL CONTROL JOINT - ENTIRE HEIGHT
- EXISTING HORIZONTAL CONTROL JOINT - ENTIRE WIDTH



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NO.	DESCRIPTION

LEVEL 03 CURTAINWALL ELEVATIONS

A-8.5R1

PRINT DATE: 3/7/2023 11:21:00 AM

- 1 LEVEL 03 CURTAIN WALL ELEVATIONS 1/4" = 1'-0"
- 2 CURTAINWALL (CUSTOME MULLION COVER) ELEVATION 1/4" = 1'-0"
- 3 LEVEL 03 ENLARGED CURTAINWALL PLAN 3/8" = 1'-0"

FIRE RATING GENERAL NOTES

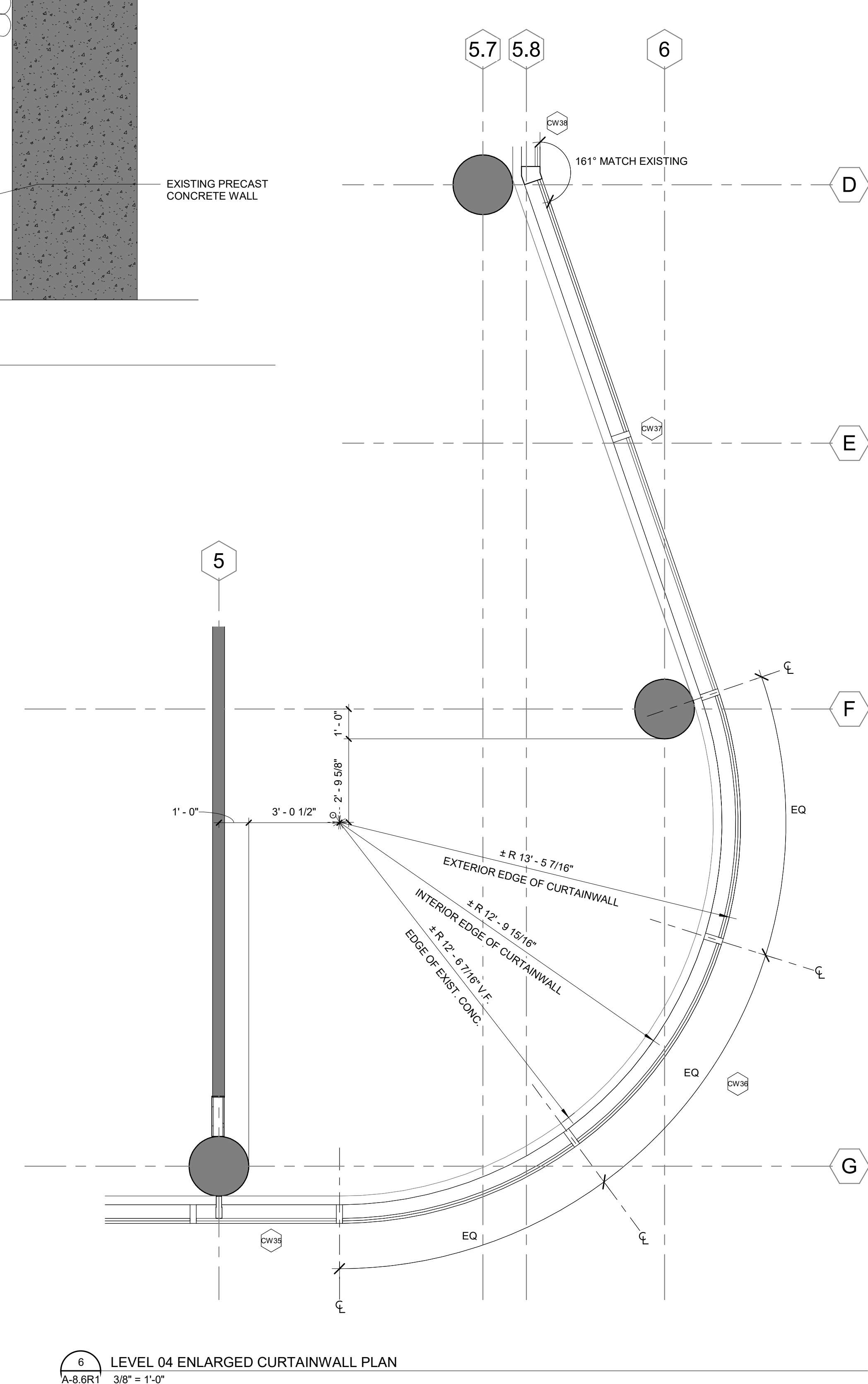
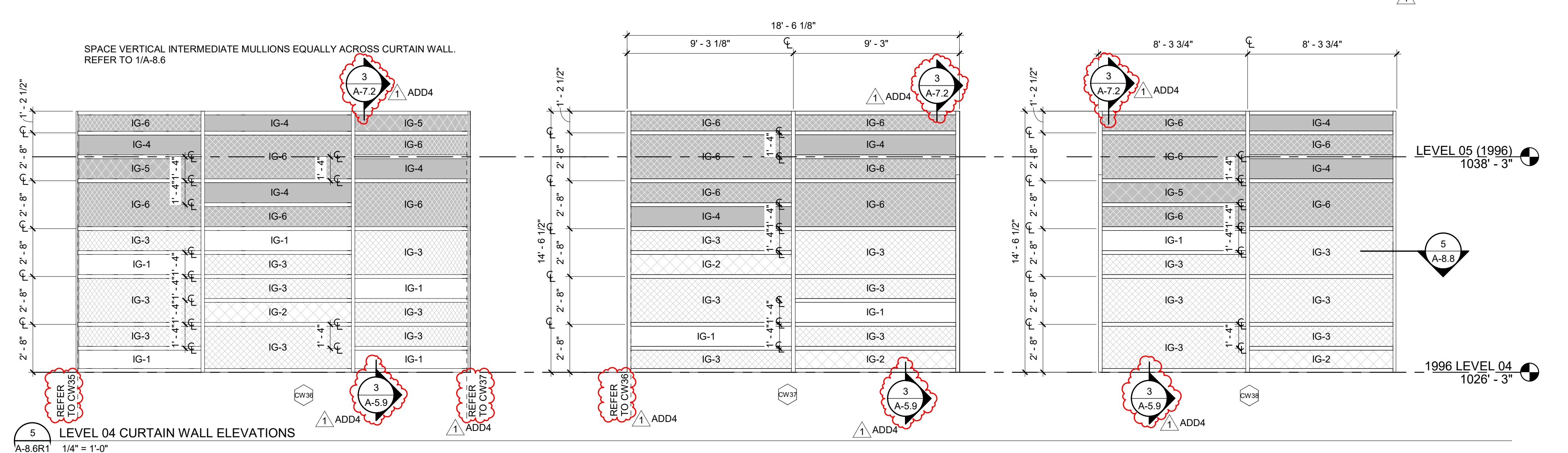
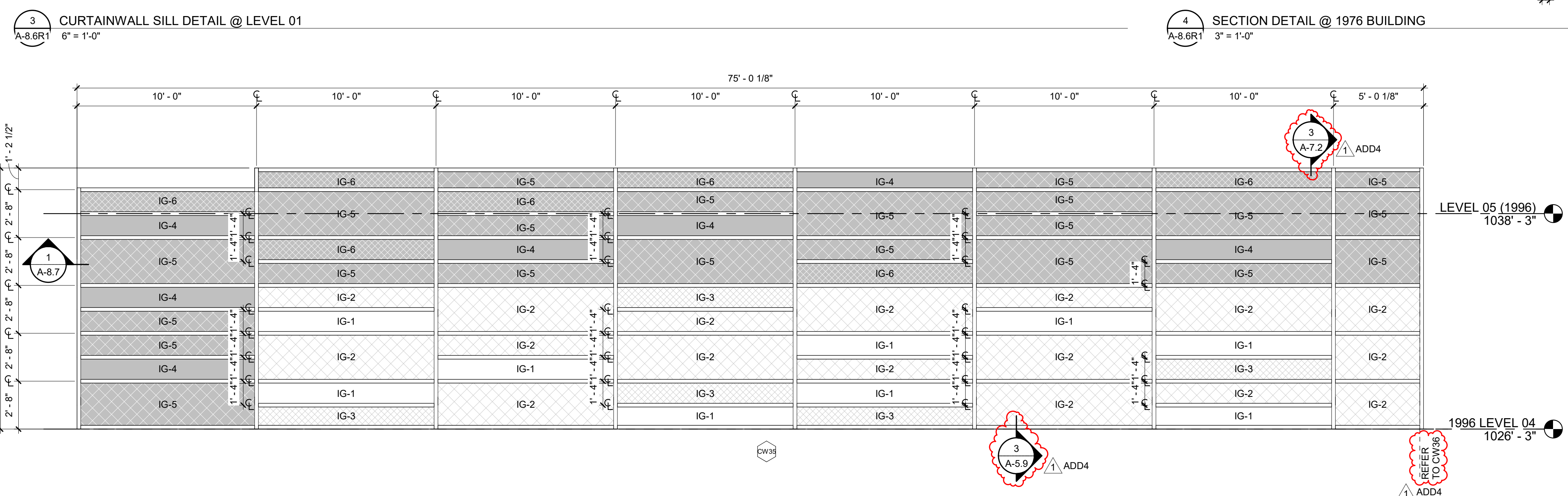
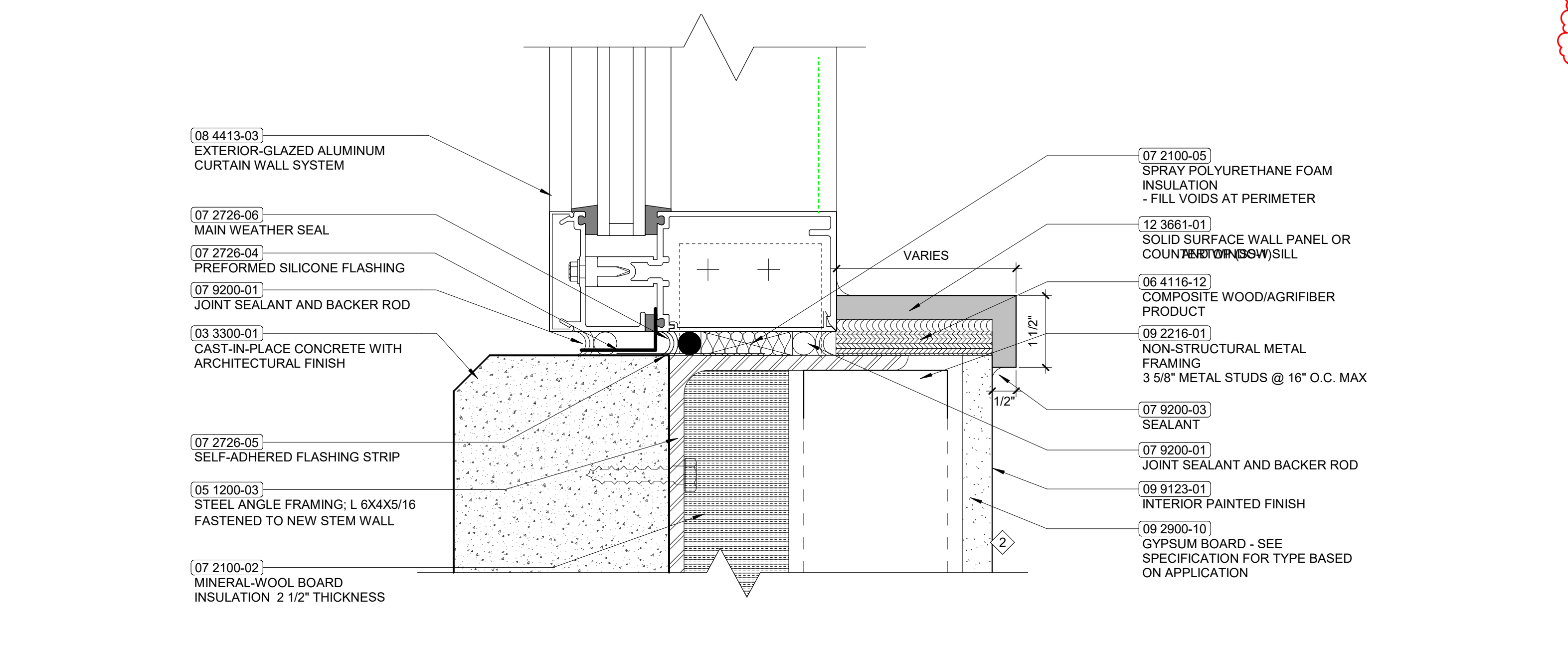
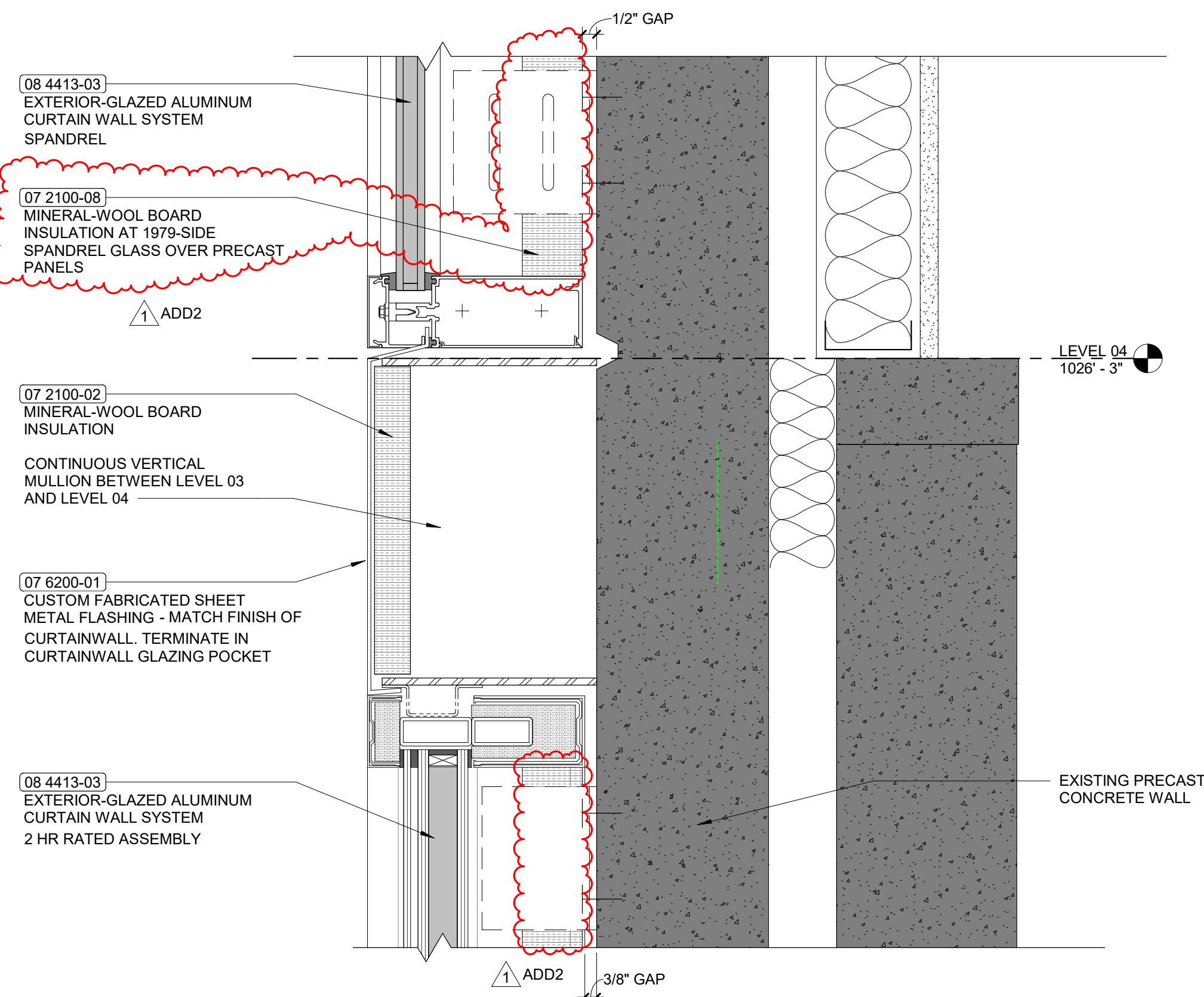
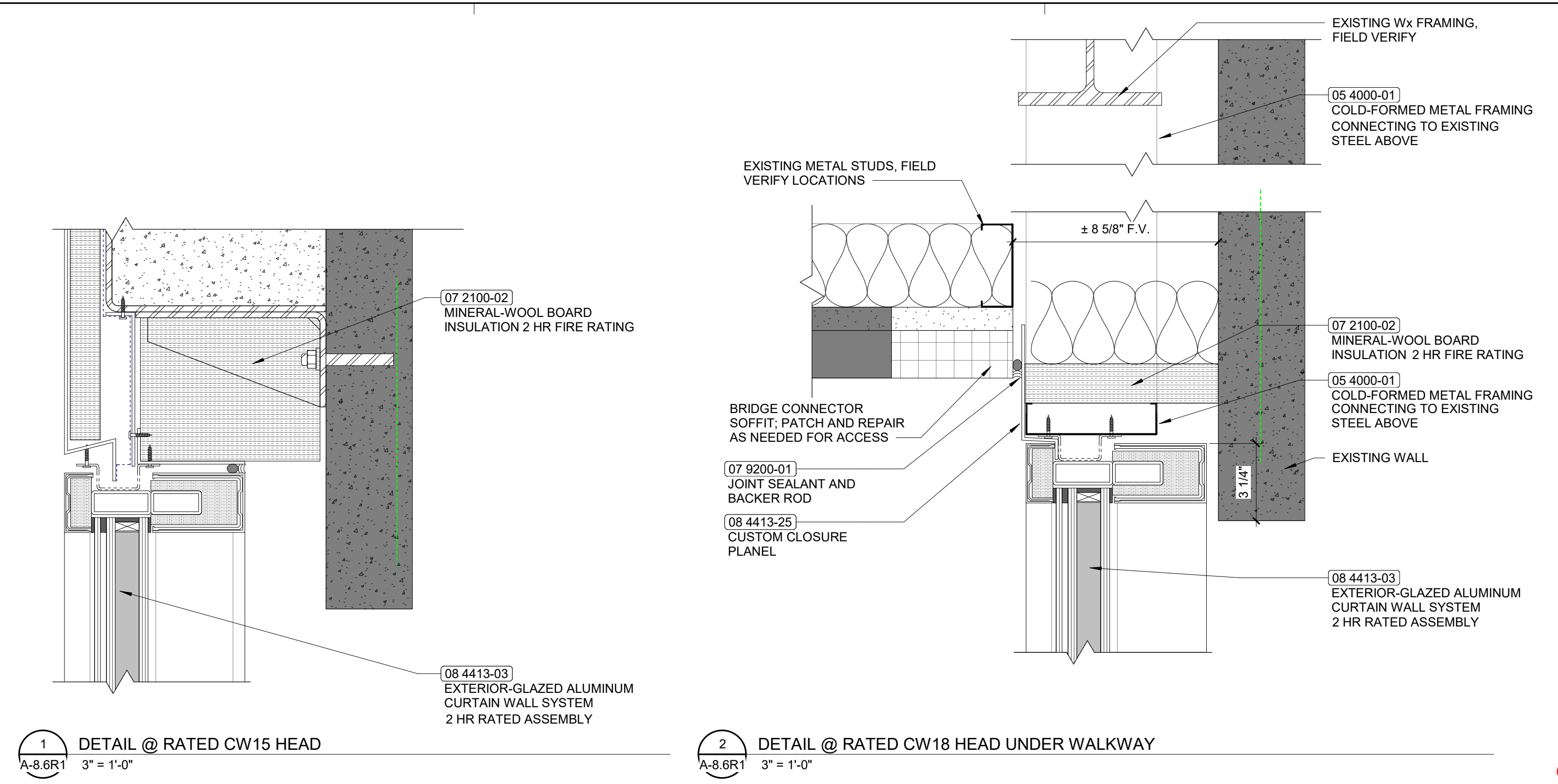
REFER TO 2 / G-1.1 FOR EXTENT OF FIRE RATING ASSEMBLIES AT BRIDGE CONNECTOR.

GLAZING LEGEND

- MG-1 MONOLITHIC GLASS, FULLY TEMPERED
- LG-1 CLEAR LAMINATED GLASS
- IG-1 LOW-E COATED, CLEAR INSULATING GLASS
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- IG-3 LOW-E COATED, 60% HOLES DECORATIVE CERAMIC-COATED, CLEAR INSULATING GLASS
- IG-4 LOW-E COATED, SPANDREL GLASS
- IG-5 LOW-E COATED, 40% DOTS DECORATIVE CERAMIC-COATED, SPANDREL GLASS
- IG-6 LOW-E COATED, 60% HOLES DECORATIVE CERAMIC-COATED, SPANDREL GLASS
- FRPG-1 LOW-E COATED, 120 MINUTE FIRE RESISTIVE CLEAR GLAZING
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- FPGL-60 MINUTE FIRE-RESISTIVE GLAZING

GRAPHIC LEGEND

- ↑ EXISTING VERTICAL CONTROL JOINT - ENTIRE HEIGHT
- EXISTING HORIZONTAL CONTROL JOINT - ENTIRE WIDTH



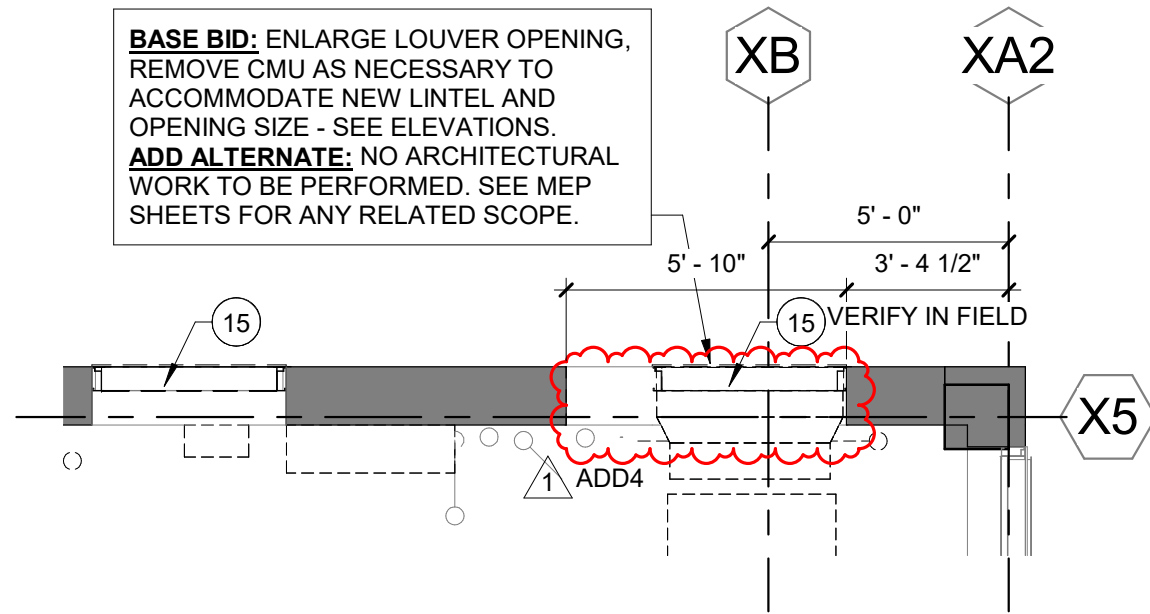
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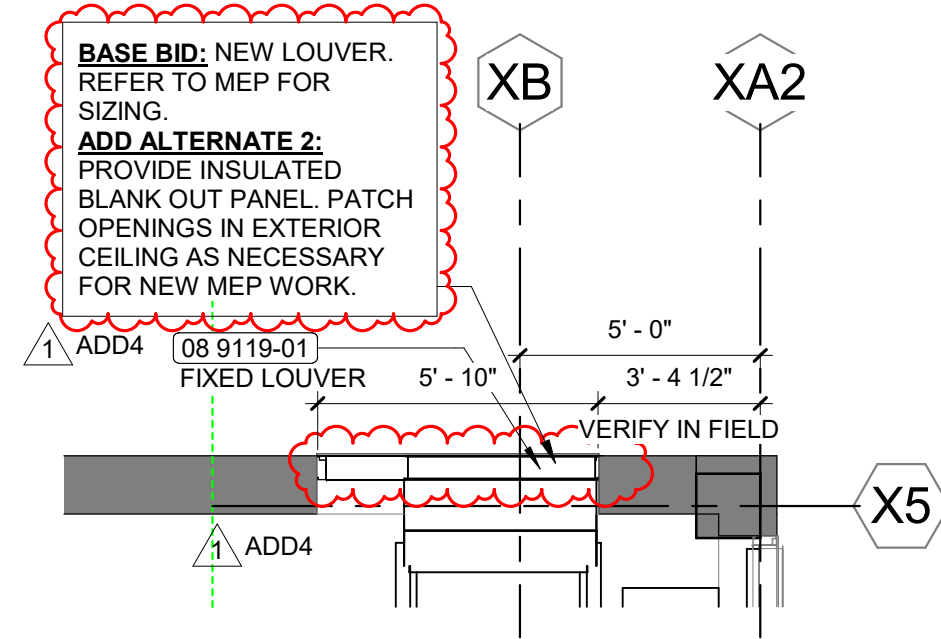
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LEVEL 04 CURTAINWALL ELEVATIONS

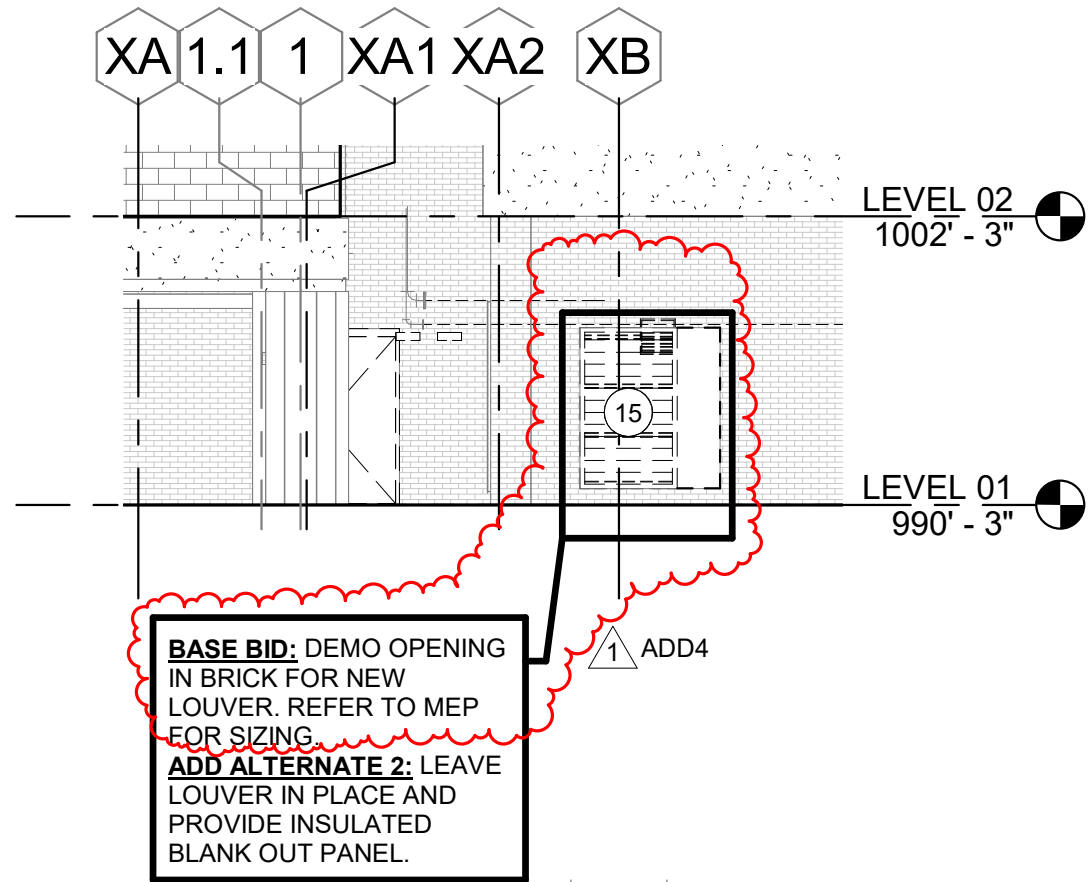
A-8.6R1



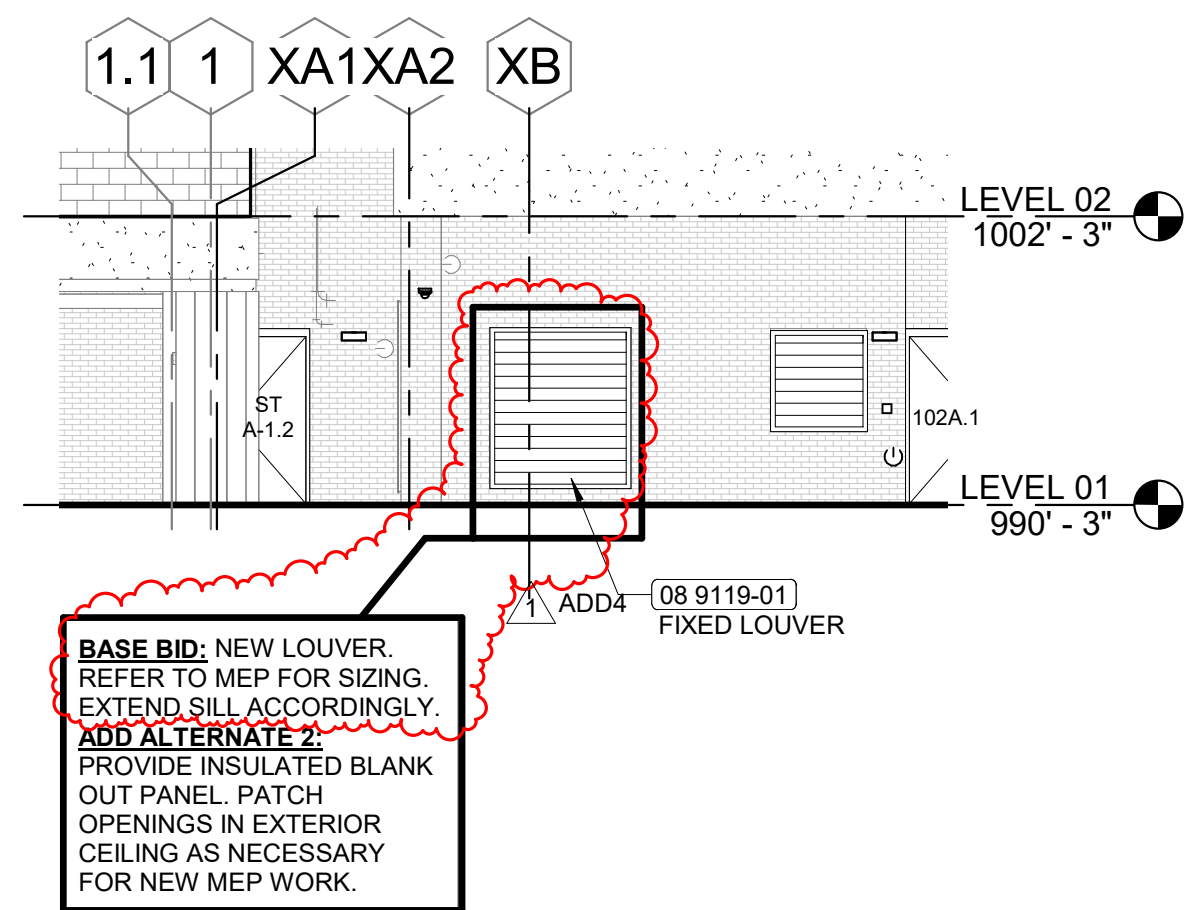
1 REF 1/AD-1.1a LEVEL 01 DEMOLITION PLAN
 AD-A-4.1 1/4" = 1'-0"



3 REF 1/A-1.1a LEVEL 01 FLOOR PLAN
 AD-A-4.1 1/4" = 1'-0"



2 REF 1/AD-2.1 DEMOLITION BUILDING ELEVATION - EAST
 AD-A-4.1 1/8" = 1'-0"



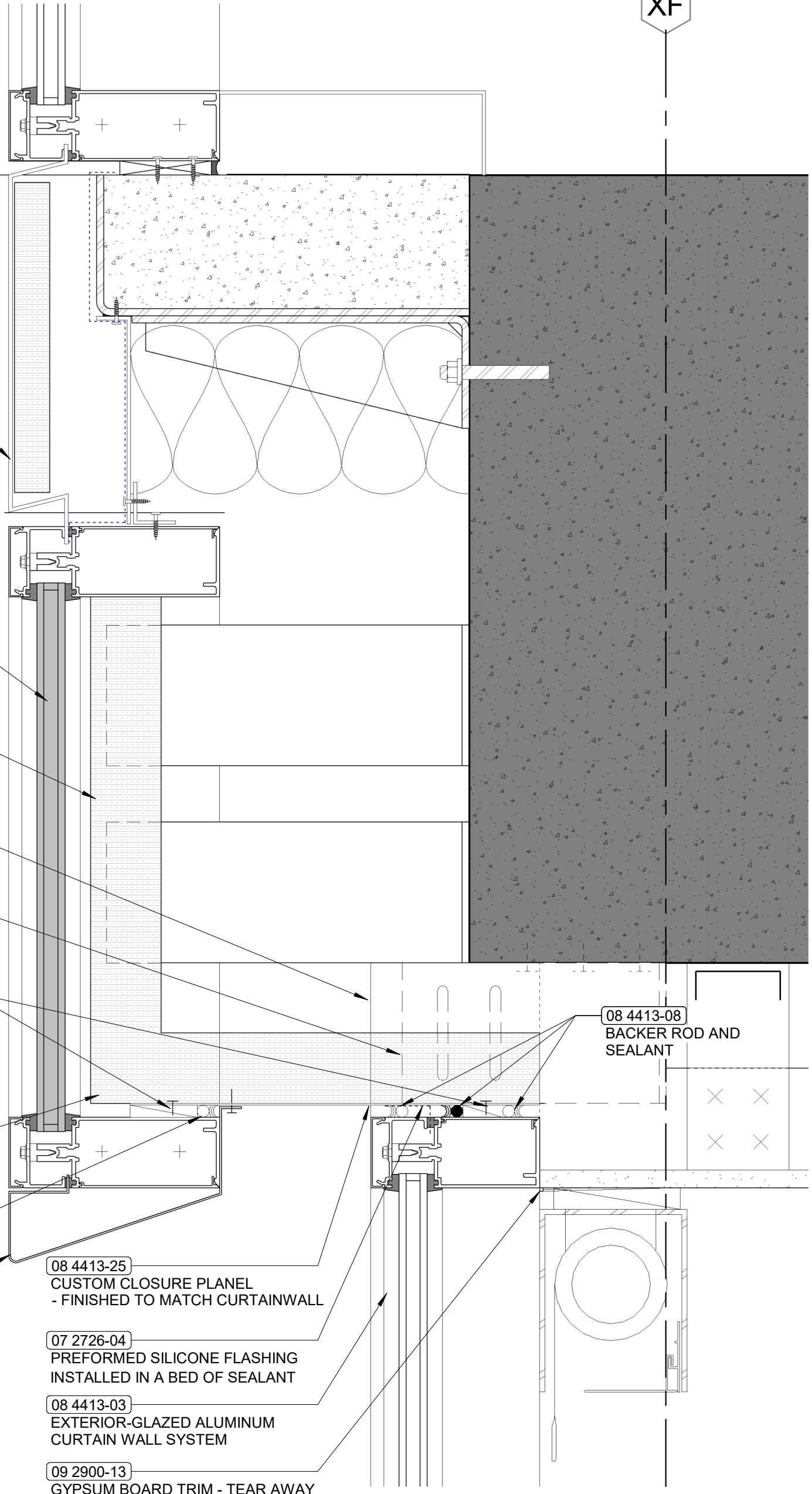
4 REF 1/A-2.1 BUILDING ELEVATION - EAST
 AD-A-4.1 1/8" = 1'-0"

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XF



08 4413-27
INSULATED SPANDREL PANEL

08 4413-03
EXTERIOR-GLAZED ALUMINUM
CURTAIN WALL SYSTEM

07 2100-02
MINERAL-WOOL BOARD
INSULATION

08 4413-29
EXTEND VERTICAL CURTAINWALL
MULLION TO BRACE AGAINST
EXISTING CONCRETE STRUCTURE

08 4413-21
CURTAIN WALL DEFLECTION CLIP -
PAINT TO MATCH CURTAIN WALL
SYSTEM

08 4413-30
SHIM AS NEEDED

NOTCH INSULATION AROUND
VERTICAL MULLION AND ANCHOR
CLIPS, TYP.

08 4413-08
BACKER ROD AND SEALANT

08 4413-25
CUSTOM CLOSURE PANEL

08 4413-25
CUSTOM CLOSURE PANEL
- FINISHED TO MATCH CURTAINWALL

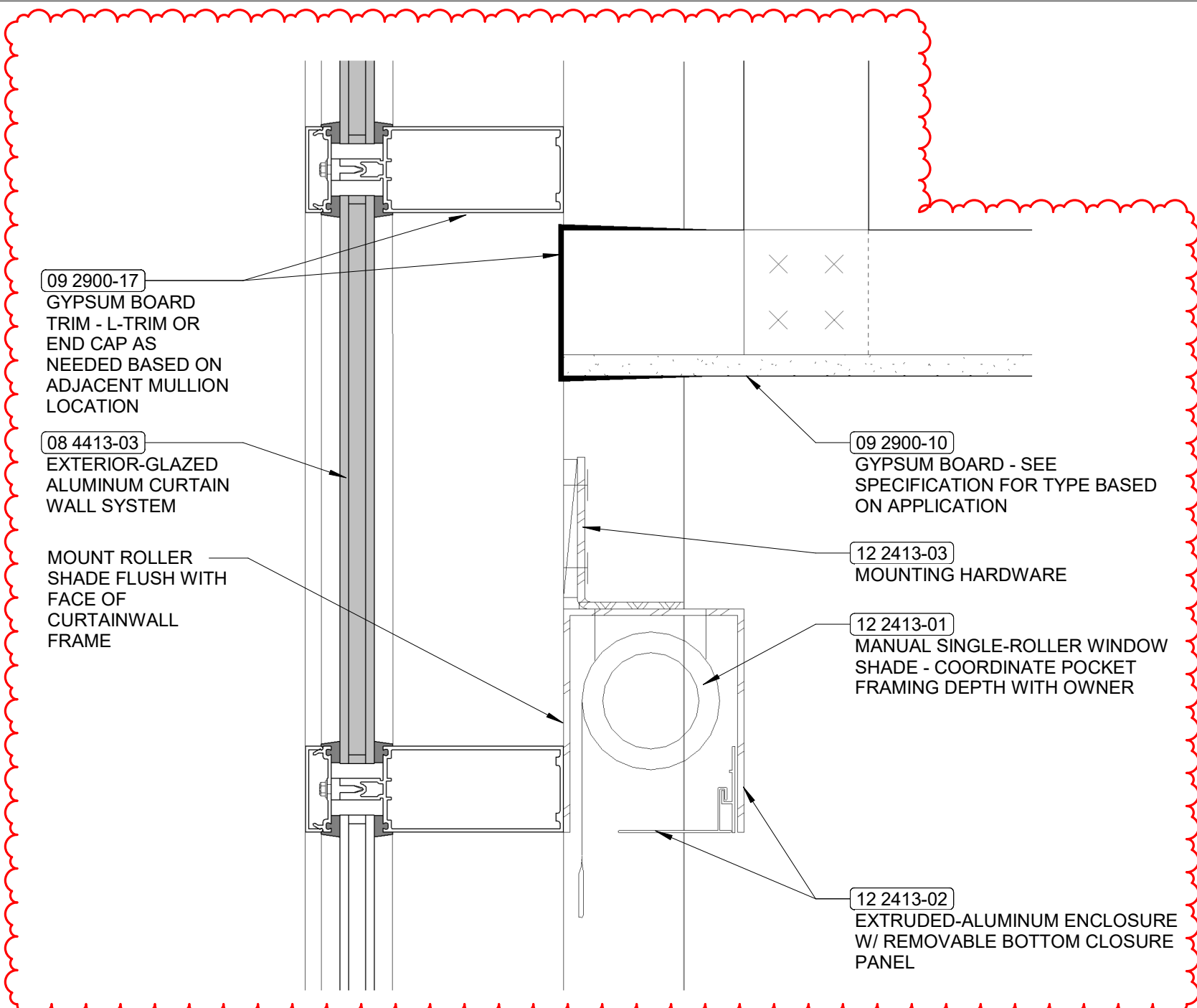
07 2726-04
PREFORMED SILICONE FLASHING
INSTALLED IN A BED OF SEALANT

08 4413-03
EXTERIOR-GLAZED ALUMINUM
CURTAIN WALL SYSTEM

09 2900-13
GYPSUM BOARD TRIM - TEAR AWAY
MASK BEAD

08 4413-08
BACKER ROD AND
SEALANT

1 REF 1/A-5.10 ENLARGED WALL SECTION DETAIL
AD-A-4.2 3" = 1'-0"



09 2900-17
GYPSUM BOARD
TRIM - L-TRIM OR
END CAP AS
NEEDED BASED ON
ADJACENT MULLION
LOCATION

08 4413-03
EXTERIOR-GLAZED
ALUMINUM CURTAIN
WALL SYSTEM

MOUNT ROLLER
SHADE FLUSH WITH
FACE OF
CURTAINWALL
FRAME

09 2900-10
GYPSUM BOARD - SEE
SPECIFICATION FOR TYPE BASED
ON APPLICATION

12 2413-03
MOUNTING HARDWARE

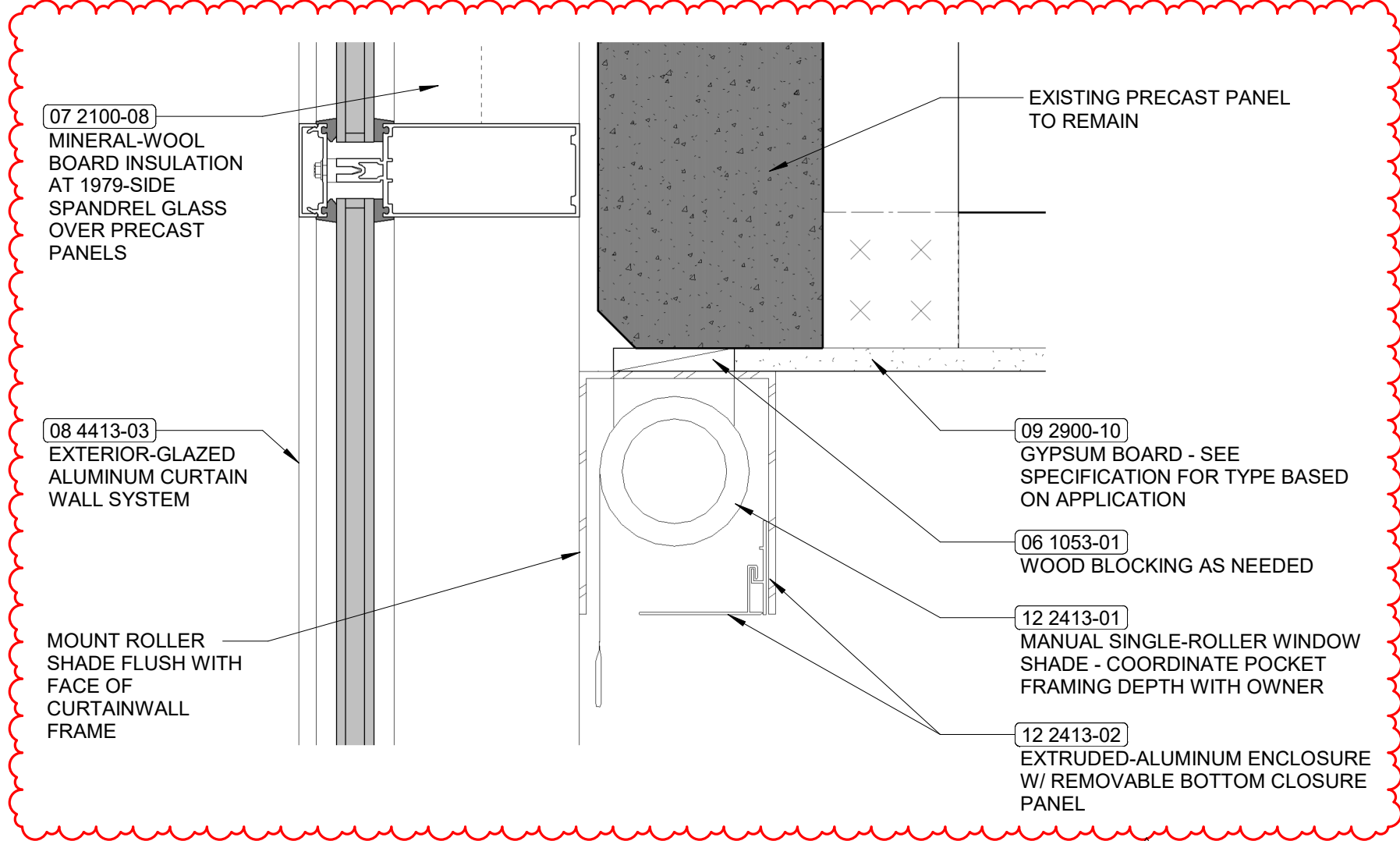
12 2413-01
MANUAL SINGLE-ROLLER WINDOW
SHADE - COORDINATE POCKET
FRAMING DEPTH WITH OWNER

12 2413-02
EXTRUDED-ALUMINUM ENCLOSURE
W/ REMOVABLE BOTTOM CLOSURE
PANEL

3 ADD4

1 REF 17/A-6.6 ROLLER SHADE DETAIL @ CURTAINWALL

AD-A-4.3 3" = 1'-0"



07 2100-08
MINERAL-WOOL
BOARD INSULATION
AT 1979-SIDE
SPANDREL GLASS
OVER PRECAST
PANELS

08 4413-03
EXTERIOR-GLAZED
ALUMINUM CURTAIN
WALL SYSTEM

MOUNT ROLLER
SHADE FLUSH WITH
FACE OF
CURTAINWALL
FRAME

EXISTING PRECAST PANEL
TO REMAIN

09 2900-10
GYPSUM BOARD - SEE
SPECIFICATION FOR TYPE BASED
ON APPLICATION

06 1053-01
WOOD BLOCKING AS NEEDED

12 2413-01
MANUAL SINGLE-ROLLER WINDOW
SHADE - COORDINATE POCKET
FRAMING DEPTH WITH OWNER

12 2413-02
EXTRUDED-ALUMINUM ENCLOSURE
W/ REMOVABLE BOTTOM CLOSURE
PANEL

3 ADD4

2 REF 16/A-6.6 ROLLER SHADE DETAIL @ CURTAINWALL

AD-A-4.3 3" = 1'-0"

AD-A-4.3

IMPROVE SANDERS-BROWN CENTER ON AGING/NEUROSCIENCE FACILITIES

ROLLER SHADE DETAILS

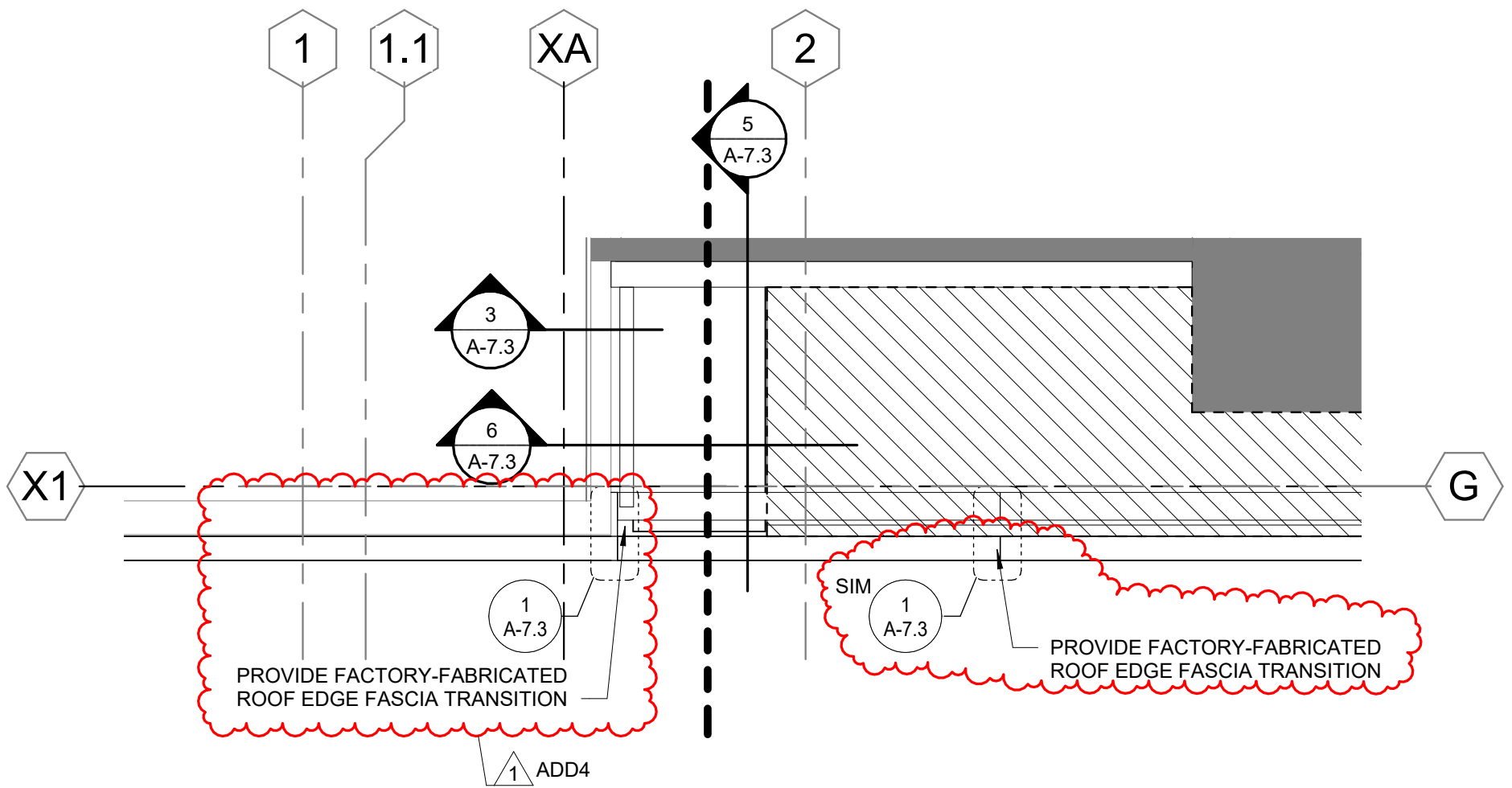
NMA

03/08/23

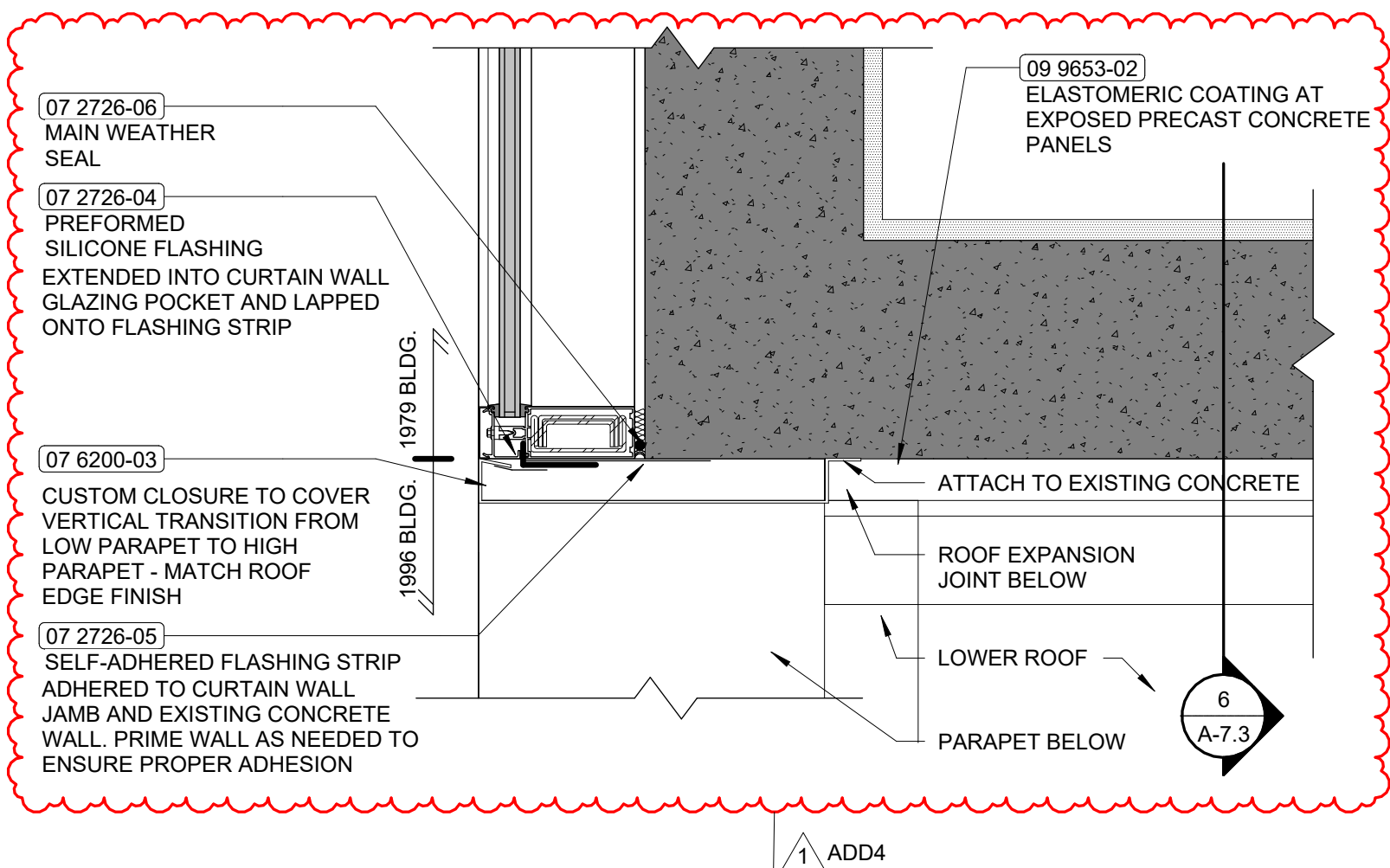


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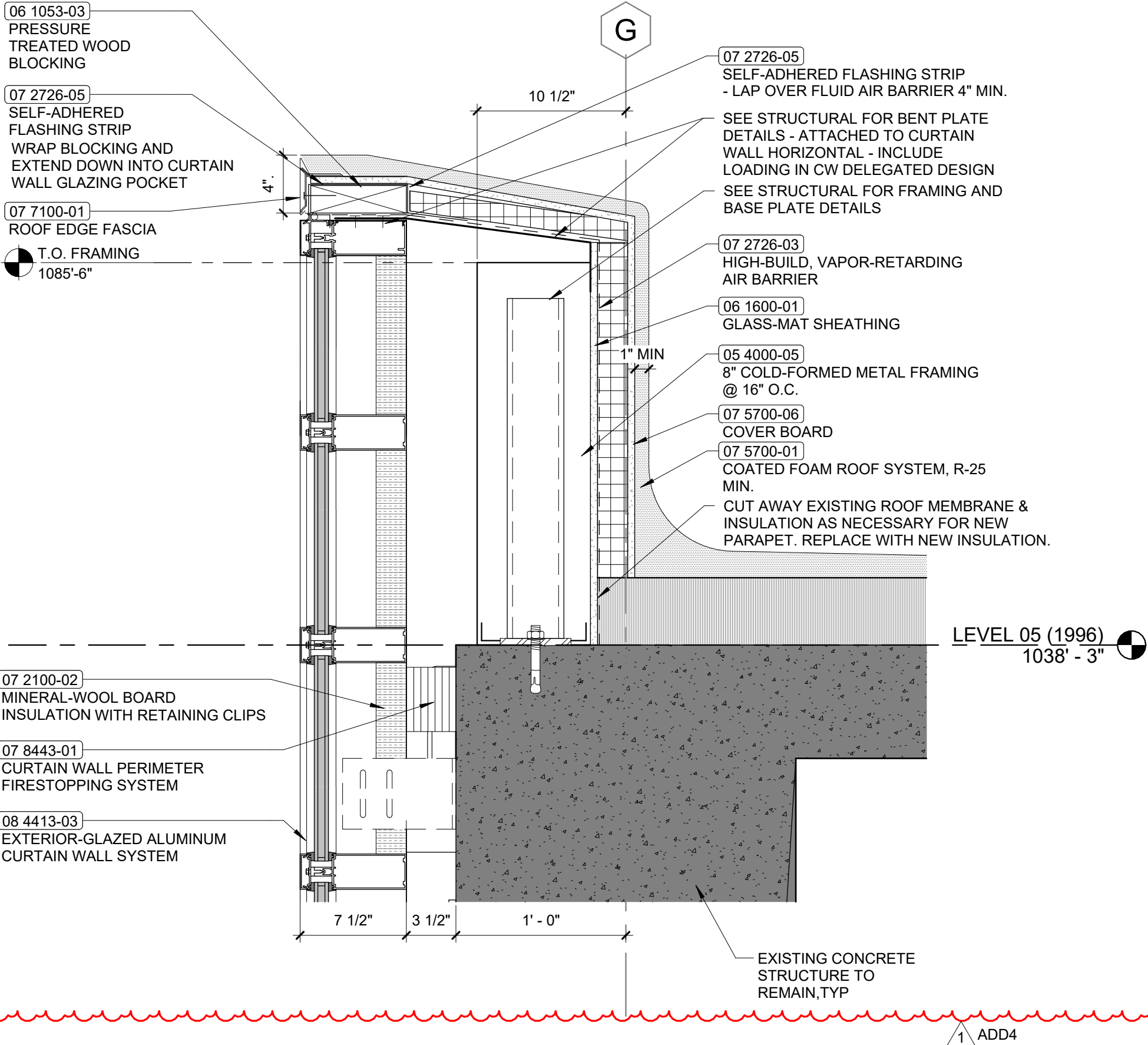
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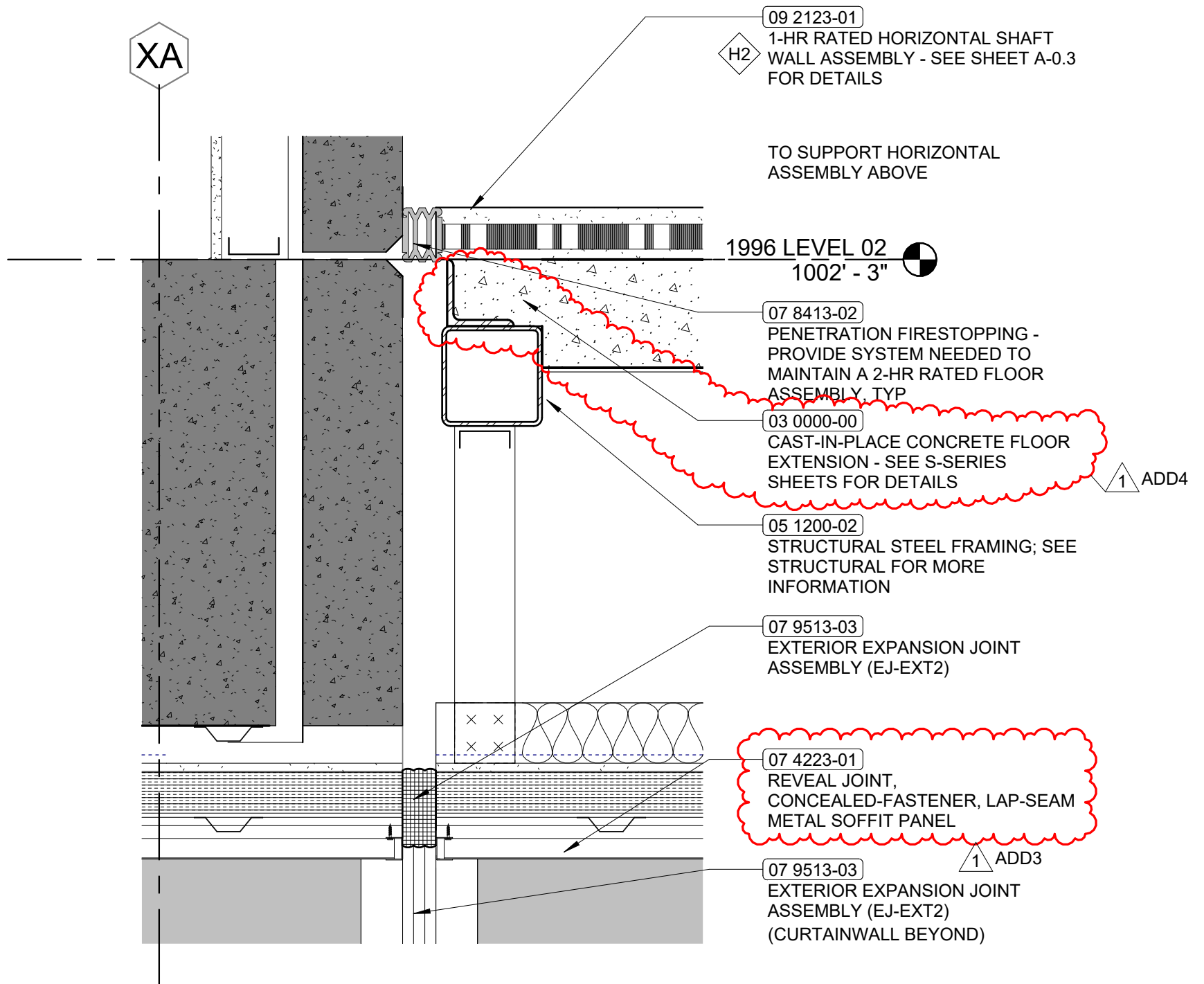
1 REF: 1/A-7.1b - ROOF PLAN
AD-A-4.4 1/4" = 1'-0"



2 REF: 1/A-7.3 - PLAN DETAIL @ PARAPET
AD-A-4.4 1 1/2" = 1'-0"



1 ENLARGED WALL SECTION DETAIL @ 1996 BLDG. PARAPET
AD-A-4.5 1 1/2" = 1'-0"



1 SECTION DETAIL @ EXTERIOR CEILING EXPANSION JOINT
AD-A-4.6 1 1/2" = 1'-0"

TAGGED NOTES

L2 REFER TO SHEET E-3.0 FOR FRONT FAÇADE AND REAR BUILDING MOUNTED LIGHTING LAYOUT.

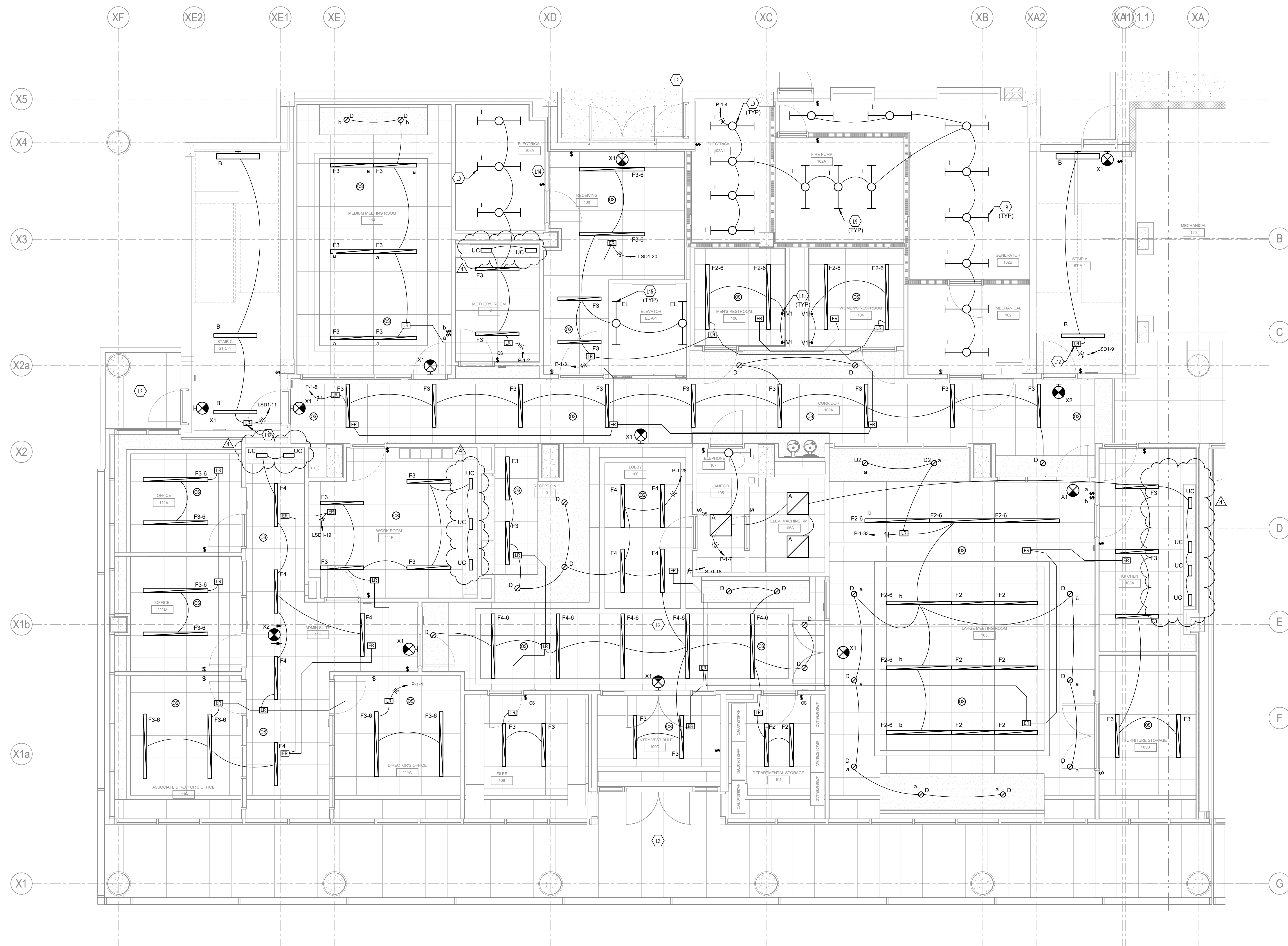
L9 COORDINATE LIGHTING WITH MECHANICAL/ELECTRICAL EQUIPMENT IN THIS SPACE.

L10 MOUNT FIXTURE VERTICALLY. COORDINATE WITH ARCHITECTURAL ELEVATION AND FIXTURE CUTSHEET BACKBOX PRIOR TO ROUGH-IN TO ALLOW FIXTURE TO BE CENTERED ON FINAL MIRROR LOCATION.

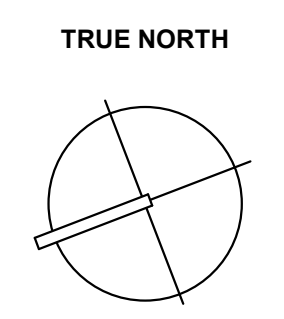
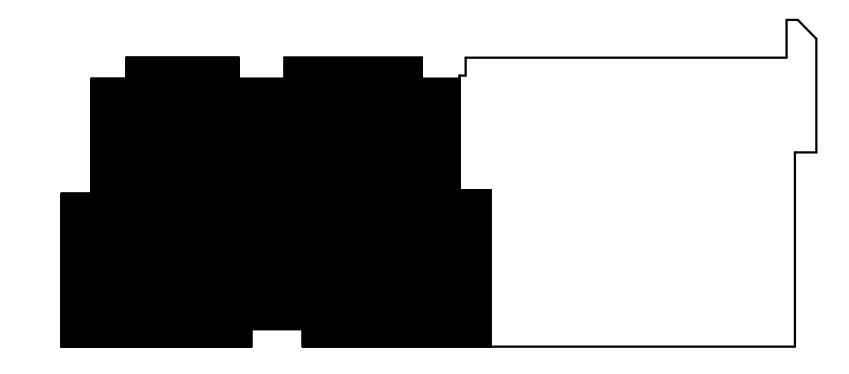
L12 PROVIDE LIGHTING RELAY IN NEARBY ACCESSIBLE CEILING.

L14 PROVIDE LIGHTING CONTROL PANEL IN THIS LOCATION.

L15 ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ELEVATOR FIT LIGHTS WITH THE ELEVATOR TRADE CONTRACTOR PRIOR TO ROUGH-IN TO DETERMINE IDEAL MOUNTING LOCATIONS FOR LIGHTS.



1 LEVEL 01 - LIGHTING
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12' 16'



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▲ ADDENDUM 2	02/17/23
▲ ADDENDUM 3	02/21/23
▲ ADDENDUM 4	03/07/23

LEVEL 01 LIGHTING PLAN

E-3.1aR2

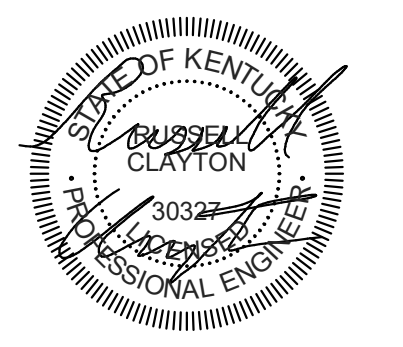
TAGGED NOTES

- L3 REFEED EXISTING LIGHTING CIRCUIT IN THIS ROOM WITH NEW CIRCUIT.
- L10 MOUNT FIXTURE VERTICALLY. COORDINATE WITH ARCHITECTURAL ELEVATION AND FIXTURE CUTSHEET BACKBOX PRIOR TO ROUGH-IN TO ALLOW FIXTURE TO BE CENTERED ON FINAL MIRROR LOCATION.

#



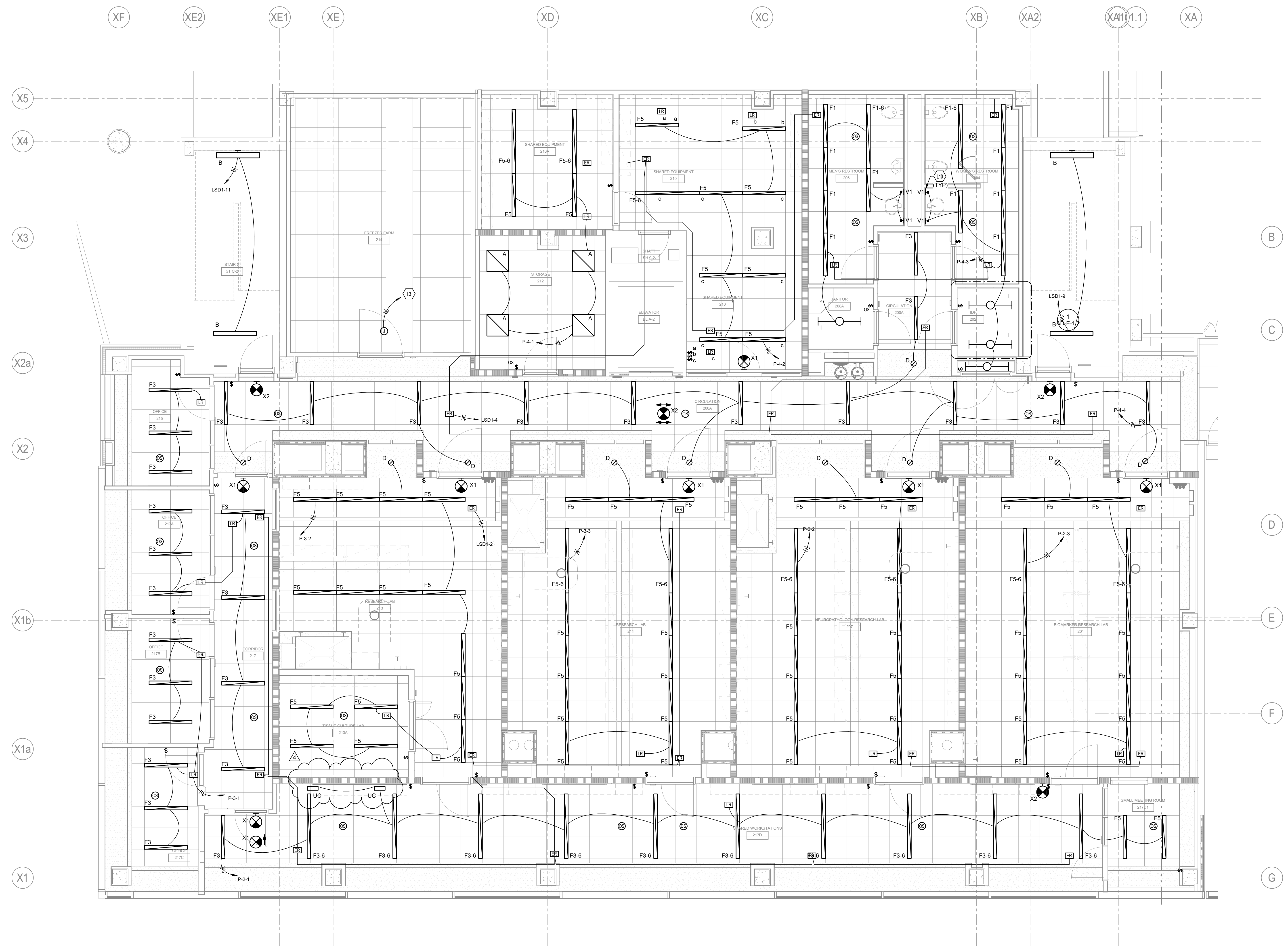
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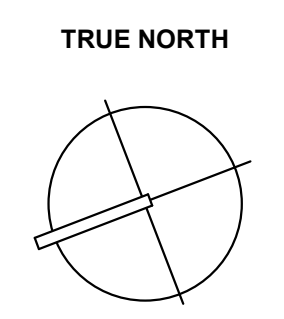
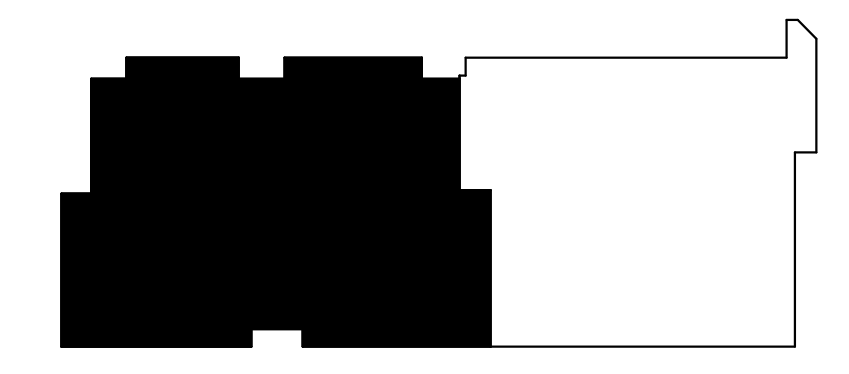
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▲ ADDENDUM 3	02/21/23
▲ ADDENDUM 4	03/07/23



1 LEVEL 02 - LIGHTING
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12' 16'



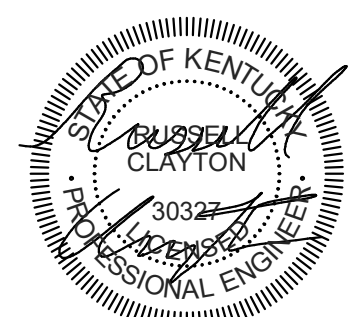
LEVEL 02 LIGHTING PLAN

E-3.2aR1

TAGGED NOTES
 L10 MOUNT FIXTURE VERTICALLY. COORDINATE WITH ARCHITECTURAL ELEVATION AND FIXTURE CUTSHEET BACKBOX PRIOR TO ROUGH-IN TO ALLOW FIXTURE TO BE CENTERED ON FINAL MIRROR LOCATION.



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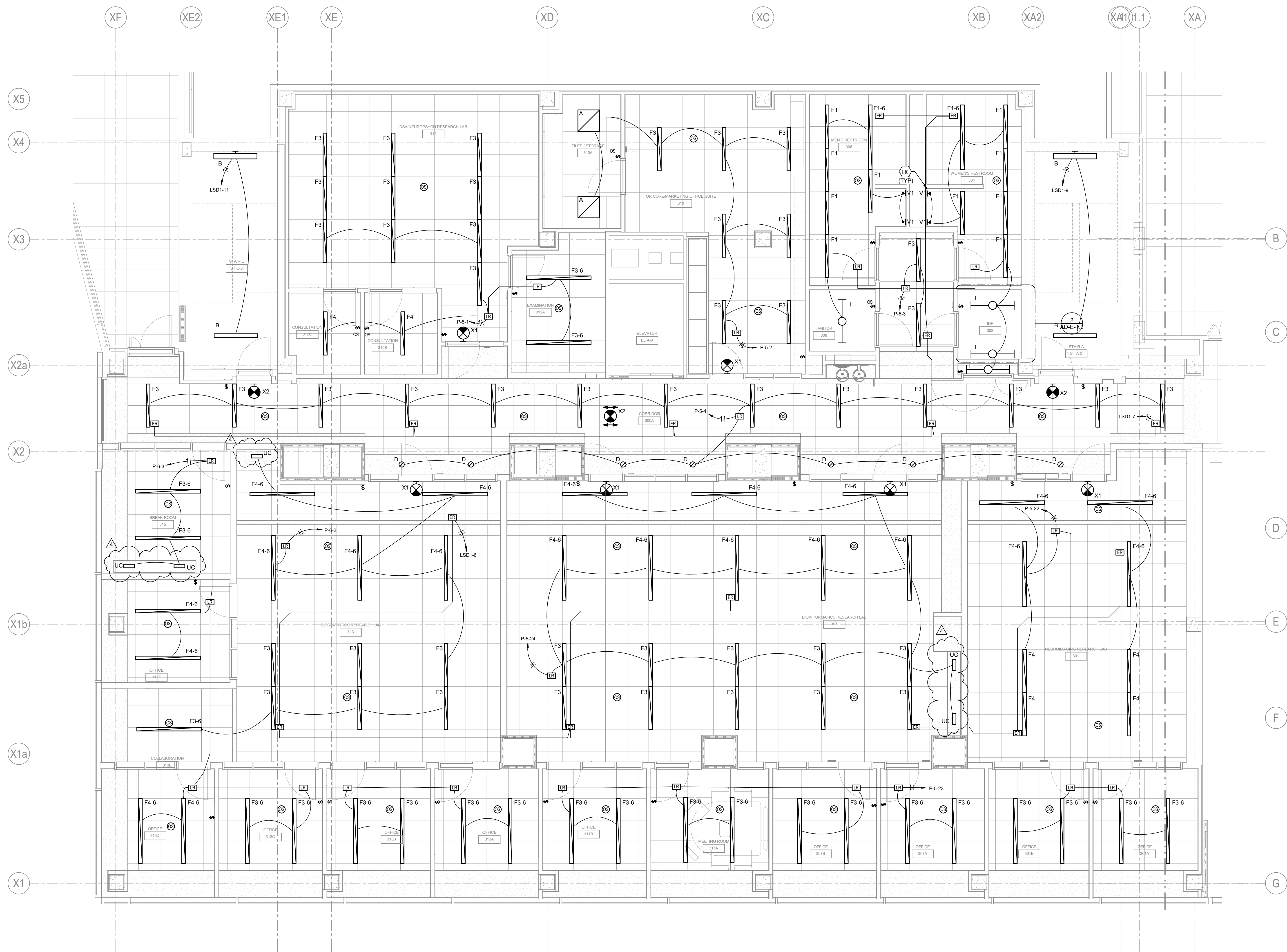
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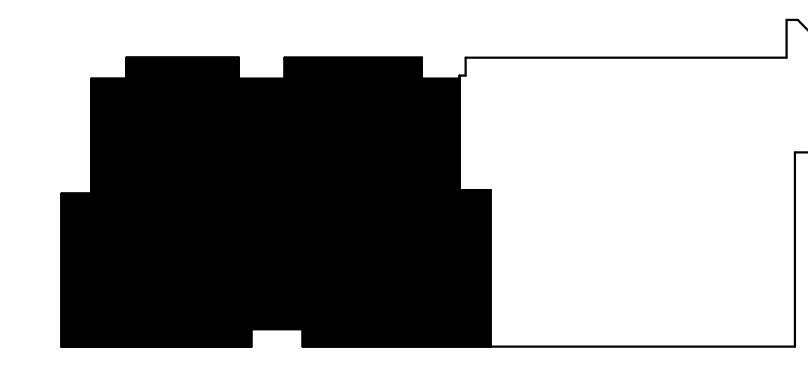
REVISIONS		
▲	ADDENDUM 1	02/09/23
▲	ADDENDUM 2	02/17/23
▲	ADDENDUM 3	02/21/23
▲	ADDENDUM 4	03/07/23

LEVEL 03 LIGHTING PLAN

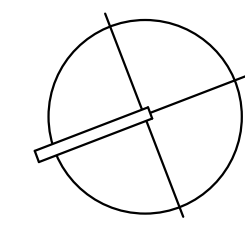
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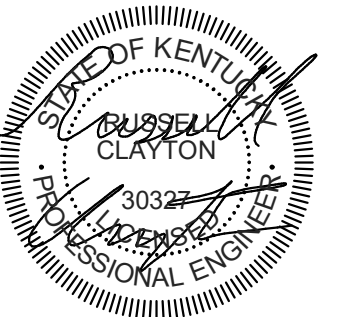
1 LEVEL 03 - LIGHTING
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TRUE NORTH



PRINT DATE: 3/6/2023 3:05:02 PM



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OMNI: 2133

DATE **01/25/2023**
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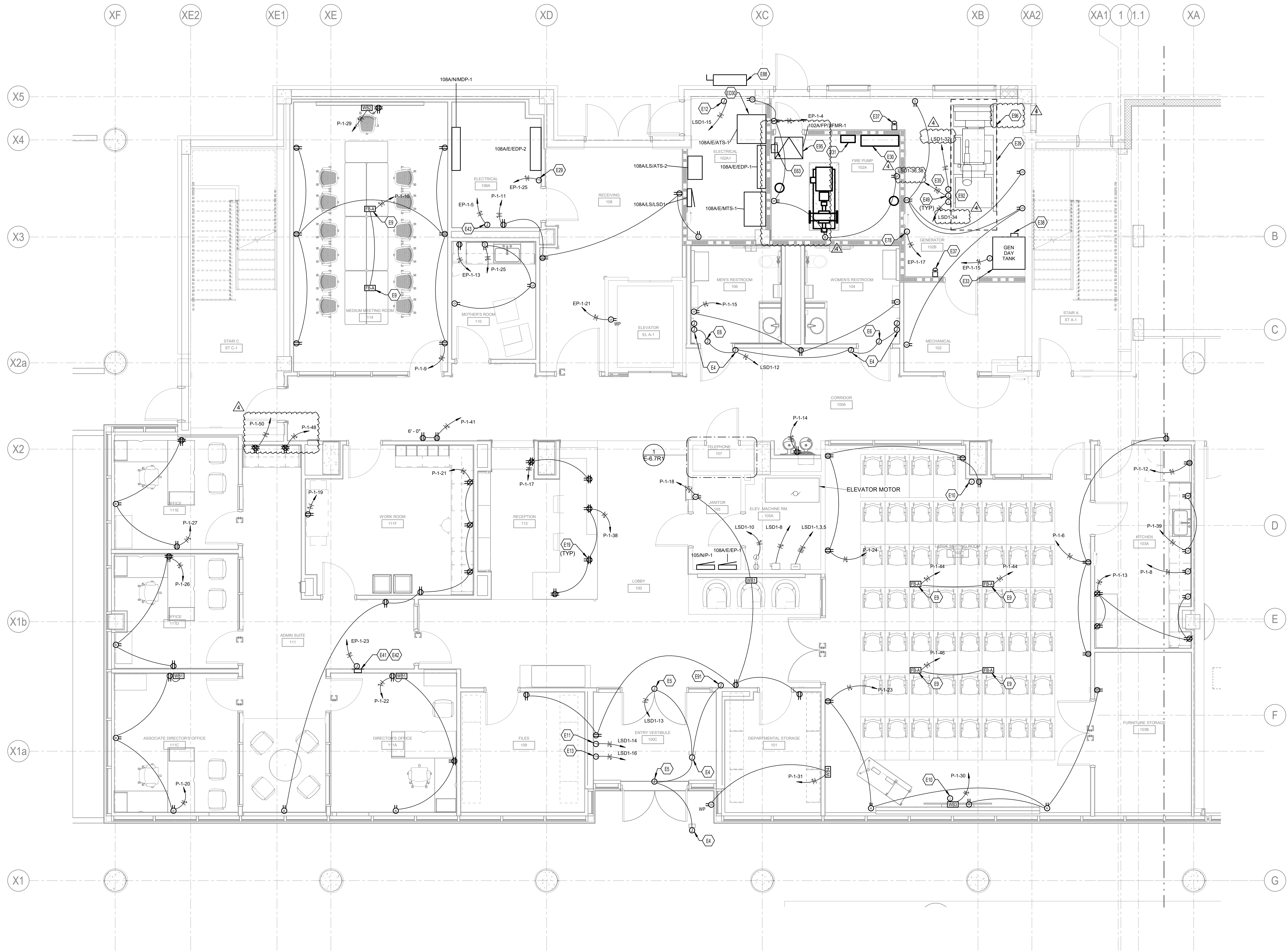
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▲	ADDENDUM 4	03/07/23

LEVEL 01 POWER PLAN

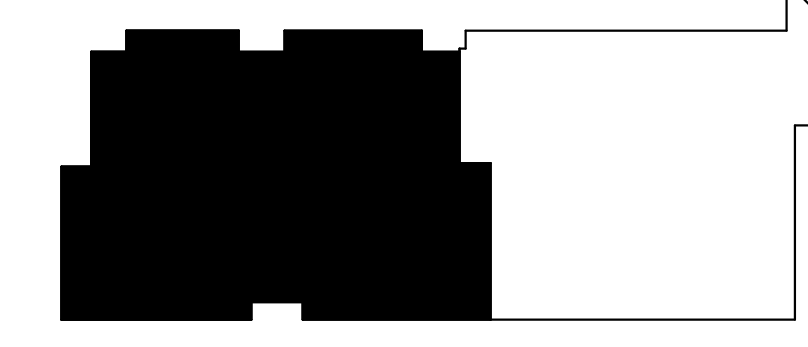
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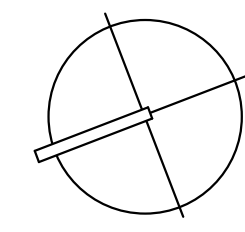
- E4 ADA PUSH PLATE TO BE MOUNTED ON BOLLARD POST AND CONNECTED TO ADA DOOR OPERATOR. SEE DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION.
- E5 POWER TO MOTORIZED DOOR. EXTEND CONDUIT AND CONTROL WIRING TO ADA DOOR OPERATOR ON INTERIOR SERVICE COLUMN AND EXTERIOR BOLLARD.
- E6 POWER TO MOTORIZED DOOR. EXTEND CONDUIT AND CONTROL WIRING TO ADA DOOR OPERATOR INSIDE AND OUTSIDE OF RESTROOM.
- E9 TRENCH ACROSS FLOORING AND CUT-IN NEW BOX IN EXISTING CONCRETE SLAB.
- E10 PROVIDE JUNCTION BOX FOR FUTURE AV CAMERA. REFER TO DETAIL 9 ON SHEET E-8.1 FOR REQUIREMENTS.
- E11 PROVIDE POWER TO FIRE ALARM ANNUNCIATOR.
- E12 PROVIDE POWER TO FIRE ALARM CONTROL PANEL.
- E13 PROVIDE POWER TO TWO WAY COMMUNICATION MASTER STATION.
- E19 INSTALL POWER AND DATA OUTLETS IN CASEWORK. REFER TO ARCHITECTURAL DRAWING A-5.8 FOR EXACT ROUGH-IN LOCATIONS.
- E29 PROVIDE POWER AND DATA FOR LIGHTING CONTROL PANEL.
- 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.
- E33 PROVIDE DAY TANK AND ALL ASSOCIATED FUEL PIPING. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- E35 MOUNT GENERATOR BREAKER ON THIS SIDE TO ALLOW FOR NEC REQUIRED CLEARANCE.
- E37 PROVIDE EMERGENCY GENERATOR AUTOMATIC KILL SWITCH. PROVIDE PUSHROOM HEAD TYPE SWITCH WITH PLASTIC FLIP COVER. PROVIDE WITH LAMACOID LABEL TO INDICATE EMERGENCY GENERATOR SHUT OFF.
- E38 PROVIDE FUEL TANK ALARM. PROVIDE ALL REQUIRED CONNECTIONS TO GENERATOR FUEL TANK AS REQUIRED BY MANUFACTURER. FUEL ALARM SHALL ANNUNCIATE AT GENERATOR ANNUNCIATOR PANEL AND SHALL CONTACT UK FACILITIES DEPARTMENT.
- E39 PROVIDE NEW 208Y/120V GENERATOR WITH DAY TANK. REFER TO SPECIFICATIONS AND ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- E41 PROVIDE EMERGENCY GENERATOR REMOTE ANNUNCIATOR FOR NEW GENERATOR IN ROOM 104. PROVIDE ALL CONTROL WIRING TO GENERATOR NECESSARY FOR A COMPLETE SYSTEM.
- E42 BID ALTERNATE #2. PROVIDE EMERGENCY GENERATOR REMOTE ANNUNCIATOR FOR NEW GENERATOR IN ROOM 120A. PROVIDE ALL CONTROL WIRING TO GENERATOR NECESSARY FOR A COMPLETE SYSTEM.
- E43 PROVIDE POWER AND DATA FOR ACCESS CONTROL PANEL. COORDINATE WITH INSTALLER PRIOR TO ROUGH-IN.
- E49 PROVIDE POWER TO GENERATOR ACCESSORIES. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
- E63 LOCATE FIRE PUMP TRANSFORMER DISCONNECT AS REQUIRED BY CODE BASED ON CONDUCTOR ENTRY LOCATION. REFER TO ONE-LINE FOR SIZING.
- E78 PROVIDE POWER FOR GENERATOR CONTROL PANEL. COORDINATE LOCATION WITH INSTALLER PRIOR TO ROUGH-IN.
- E88 PROVIDE PORTABLE GENERATOR CONNECTION POINT ON EXTERIOR WALL. REFER TO ONE-LINE DIAGRAM FOR REQUIREMENTS. DEMOLISH EXISTING SLAB AND PROVIDE CONDUIT BELOW EXISTING SLAB. PATCH AND REPAIR SLAB AND SIDEWALK IN AREA OUTSIDE OF BUILDING FOOTPRINT. PROVIDE CONCRETE SLAB FOR EQUIPMENT PER MANUFACTURER RECOMMENDATIONS. IF BID ALTERNATE #2 IS SELECTED, THIS CONNECTION SHALL BE MOVED TO LOCATION SHOWN WITH NOTE E89.
- E91 PROVIDE DOOR POWER FOR ADA DOOR OPERATOR IN THIS LOCATION. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- E92 PROVIDE DRIP PAN OVER ENTIRETY OF GENERATOR BREAKER PANEL IN THIS LOCATION TO PROTECT FROM OVERHEAD UTILITIES AND PREVENT FLOODING.
- E95 TRAPEZE MOUNT TRANSFORMER AND COORDINATION NEC CODE REQUIRED CLEARANCE WITH FIRE PUMP PIPING PRIOR TO INSTALLATION.
- E96 GENERATOR MANUFACTURER SHALL TRIM GENERATOR RAIL SYSTEM TO NO LARGER THAN 11" O" TO ALLOW GENERATOR INSTALLATION DUE TO EXTERIOR WALKWAY WIDTH TO ALLOW INSTALLATION WITH EXISTING CONDITIONS.
- E99- EXISTING 4" UNDERGROUND CONDUIT FROM PANEL 100A TERMINATE IN THIS LOCATION. CONTRACTOR SHALL DIG DOWN BELOW SLAB AND INTERCEPT THESE CONDUITS AND EXTEND CONDUIT AND NEW WIRING PER ONE-LINE, ON SHEET E-9.1, TO 108A/EATS-1.

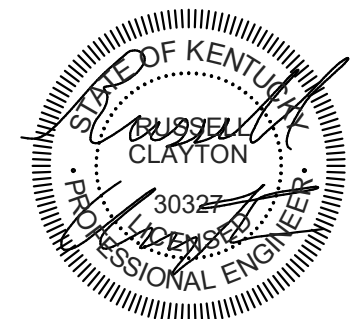


1 LEVEL 01 - POWER
SCALE: 1/4" = 1'-0"
0 1 2 4 8 12 16'



TRUE NORTH





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▲	ADDENDUM 3	02/21/23
▲	ADDENDUM 4	03/07/23

LEVEL 01 SITE AND
UNDERSLAB PLAN

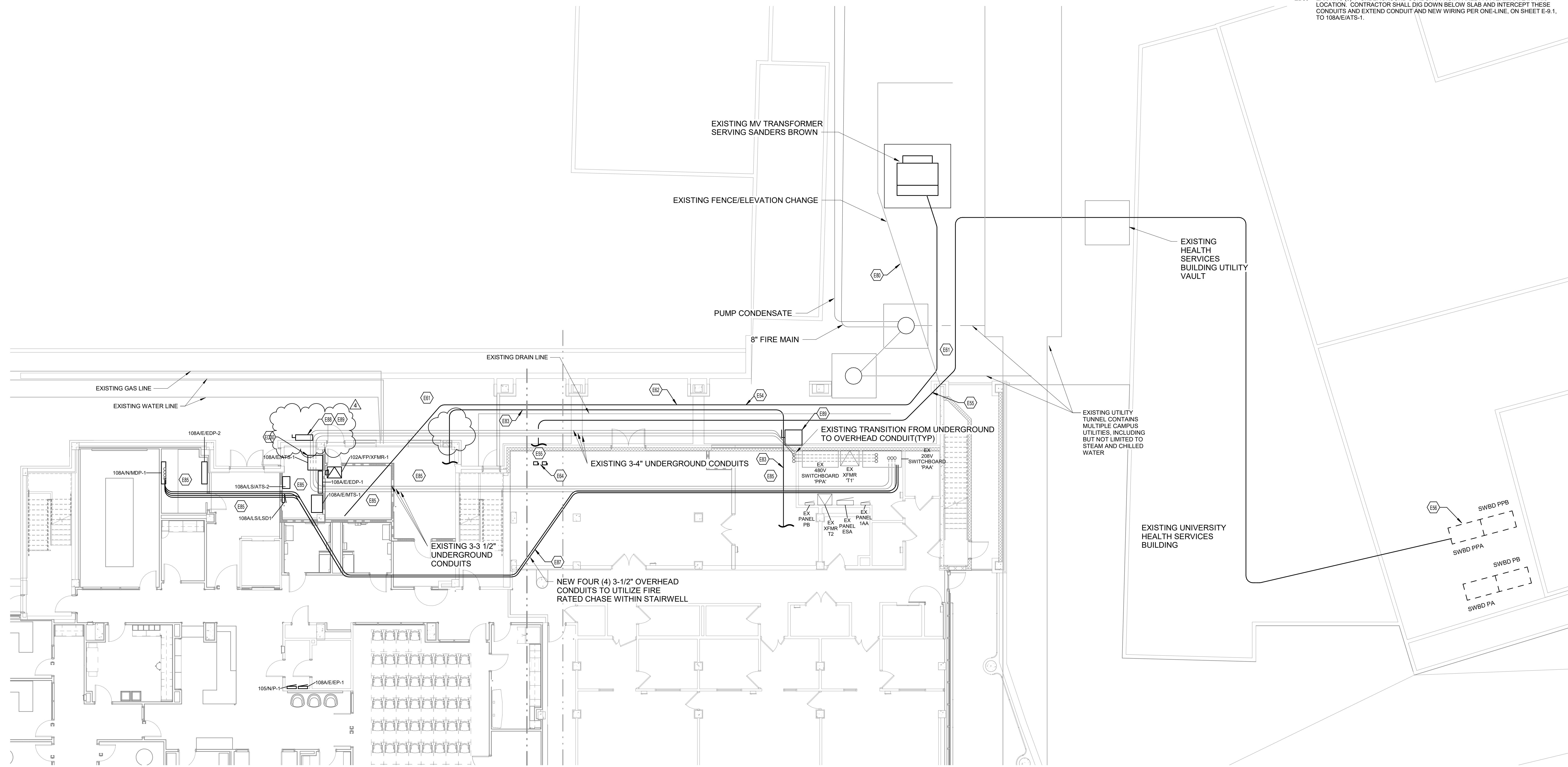
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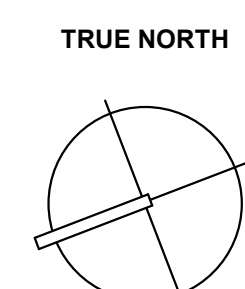
- E54 PROVIDE NEW FIRE PUMP FEED FROM UTILITY TRANSFORMER PER ONE-LINE DIAGRAM. UTILIZE EXISTING CONDUIT STUB-OUT AT TRANSFORMER LOCATION. DEMOLISH EXISTING SLAB IN FIRE PUMP ROOM FOR FEEDER IN THAT SPACE. COORDINATE FINAL LOCATION OF LOW VOLTAGE TRANSFORMER WITH FIRE PUMP AND PIPING IN THIS ROOM. TRAPEZE MOUNT TRANSFORMER AS REQUIRED.
- E55 THIS WORK SHALL BE COMPLETED PRIOR TO ANY BUILDING DEMOLITION. PROVIDE TEMPORARY FEEDER FROM EXISTING UNIVERSITY HEALTH SERVICES BUILDING PANEL PPA IN BASEMENT. ROUTE CONDUIT OVERHEAD IN HEALTH SERVICES BUILDING AND THROUGH UTILITY VAULT, THEN UNDERGROUND BETWEEN VAULT AND EXISTING FENCE. PROVIDE TEMPORARY ROUTING FROM FENCE LOCATION MOUNTED TO BUILDING IN CONDUIT UNTIL ENTERING INTO BUILDING APPROXIMATELY AT LOCATION SHOWN. PROVIDE NEC REQUIRED GROUNDING FOR SERVICE AT LOCATION WHERE CONDUCTORS ENTER THE BUILDING. ROUTE CONDUIT IN SANDERS BROWN TO MANUAL TRANSFER SWITCH LOCATION SHOWN ON SHEET E-4-2A.
- E56 INSTALL ONE NEW 100A/3P OWNER PROVIDED, CONTRACTOR INSTALLED CIRCUIT BREAKER IN EXISTING EATON POW-R-LINE SWITCHBOARD IN EXISTING UNIVERSITY HEALTH SERVICES BUILDING. TERMINATE CONDUCTORS IN EXISTING PPA SWITCHBOARD. SEE ONE-LINE DIAGRAM AND NOTE E55.
- E61 UTILITIES SHOWN IN THIS AREA ARE BASED ON GIS DATA AND ARE APPROXIMATE LOCATIONS ONLY. THESE UTILITIES MUST BE VERIFIED IN THE FIELD BY CONTRACTOR PRIOR TO DIGGING.

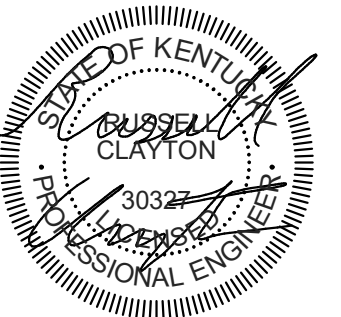
TAGGED NOTES

- E62 FEEDER SHALL BE ROUTED AT 24" BELOW FINISHED GRADE, OR LESS AS ALLOWABLE BY NEC CODE 300.5 WHERE CONDUIT IS INSTALLED BELOW CONCRETE. PROVIDE BACKFILL AND WIRE TRACER TAPE PER SPECIFICATIONS. SAWCUT SIDEWALK AS REQUIRED. PATCH AND REPAIR SECTIONS OF SIDEWALK SUCH THAT THE REWORK IS NOT EVIDENT. REFER TO CIVIL SPECIFICATIONS FOR REQUIREMENTS. CONTRACTOR SHALL CUT FLOOR SLAB INSIDE BUILDING AND ROUTE CONDUIT AND CABLING BELOW SLAB IN ACCORDANCE WITH NEC 905. COORDINATE ROUTING EXISTING WATER AND GAS LINES SHOWN, AND WITH EXISTING FORCED MAIN, SHOWN ON PLUMBING DRAWING P-2.0A.
- E64 PROVIDE DISCONNECTS PER ONE-LINE DIAGRAM AT ENTRY OF TEMPORARY FEEDER FROM UNIVERSITY HEALTH SERVICES BUILDING. COORDINATE WITH FINAL ENTRY LOCATION AND LOCATE DISCONNECTS PER NEC REQUIREMENTS. PROVIDE SERVICE GROUNDING PER NEC REQUIREMENTS.
- E80 COORDINATE ROUTINGS OF NEW ELECTRICAL FEED WITH RETAINING WALL.
- E83 BID ALTERNATE #2: PROVIDE FEEDER FROM NEW GENERATOR OUTPUT BREAKER TO FEED EMERGENCY EQUIPMENT IN MECHANICAL ROOM 102. REFER TO ONE-LINE DIAGRAM FOR MORE INFORMATION. TWO HOUR RATING IS REQUIRED FOR FEEDER TRENCH EXISTING SLAB IN GENERATOR ROOM 102A AND IN MECHANICAL ROOM 102 AND ROUTE TO BUILDING EXTERIOR TRENCH AND ROUTE ALONGSIDE TRENCH FOR FIRE PUMP FEEDER. FEEDER SHALL BE ROUTED AT 24" BELOW FINISHED GRADE, OR LESS AS ALLOWABLE BY NEC CODE 300.5 WHERE CONDUIT IS INSTALLED BELOW CONCRETE.
- E85 SLAB SHALL BE SAWCUT IN THIS AREA TO ACCOMMODATE NEW FIRE PUMP, LIFE SAFETY FEEDS AND PORTABLE GENERATOR CONNECTION. IDENTIFY EXISTING IN-SLAB UTILITIES AND COORDINATE THIS WORK. REFER TO ONE-LINE DIAGRAM FOR SIZE OF ASSOCIATED NEW FEEDERS AND FIRE RATING REQUIREMENTS. COORDINATE WITH ADJACENT UTILITIES SHOWN ON PLUMBING DRAWING E-2.0A. REFER TO SHEET E04.0 FOR ADDITIONAL INFORMATION.
- E87 PROVIDE FOUR (4) 3-1/2" CONDUITS, ROUTED OVERHEAD, FROM EXISTING PANEL "PAA" TO NEW PANEL "MDP-1". PROVIDE ELEVATION CHANGES AND JUNCTION POINTS WHERE NEEDED TO PROVIDE A COMPLETE PATHWAY. COORDINATE WITH NEW AND EXISTING PLUMBING AND HVAC PIPING. CONDUIT PATHWAY SHOWN FOR CLARITY DUE TO ITS LONG RUN. NOT ALL FEEDERS ARE SHOWN ON THIS PLAN, REFER TO ONE-LINE DIAGRAM.
- E88 PROVIDE PORTABLE GENERATOR CONNECTION POINT ON EXTERIOR WALL. REFER TO ONE-LINE DIAGRAM FOR REQUIREMENTS. DEMOLISH EXISTING SLAB AND PROVIDE CONDUIT BELOW EXISTING SLAB. PATCH AND REPAIR SLAB AND SIDEWALK IN AREA OUTSIDE OF BUILDING FOOTPRINT. PROVIDE CONCRETE SLAB FOR EQUIPMENT PER MANUFACTURER RECOMMENDATIONS. IF BID ALTERNATE #2 IS SELECTED, THIS CONNECTION SHALL BE MOVED TO LOCATION SHOWN WITH NOTE E89.
- E89 BID ALTERNATE #2: PROVIDE PORTABLE GENERATOR CONNECTION POINT ON EXTERIOR WALL. REFER TO ONE-LINE DIAGRAM FOR REQUIREMENTS. DEMOLISH EXISTING SLAB AND PROVIDE CONDUIT BELOW EXISTING SLAB. PATCH AND REPAIR SLAB AND SIDEWALK IN AREA OUTSIDE OF BUILDING FOOTPRINT. PROVIDE CONCRETE SLAB FOR EQUIPMENT PER MANUFACTURER RECOMMENDATIONS.
- E030 EXISTING (3)-4" UNDERGROUND CONDUITS FROM PANEL PAA TERMINATE IN THIS LOCATION. CONTRACTOR SHALL DIG DOWN BELOW SLAB AND INTERCEPT THESE CONDUITS AND EXTEND CONDUIT AND NEW WIRING PER ONE-LINE, ON SHEET E-9.1, TO 108AE/ATS-1.



1 LEVEL 01 - SITE WORK
SCALE: 1/8" = 1'-0"
0 2 4 8 16 24 32





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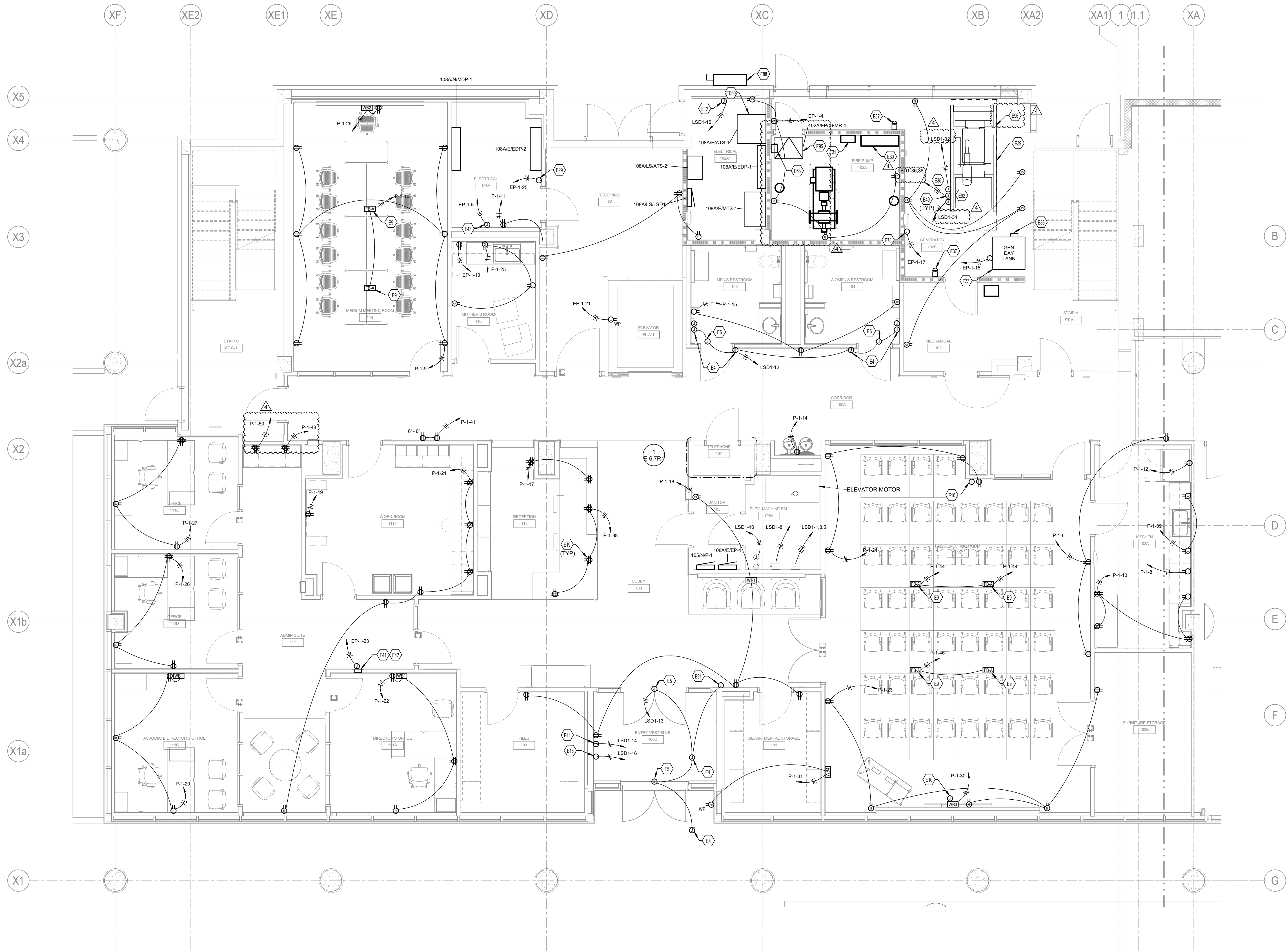
REVISIONS	
▲	ADDENDUM 1 02/09/23
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▲	ADDENDUM 4 03/07/23

LEVEL 01 POWER PLAN

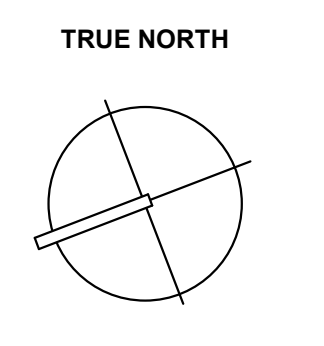
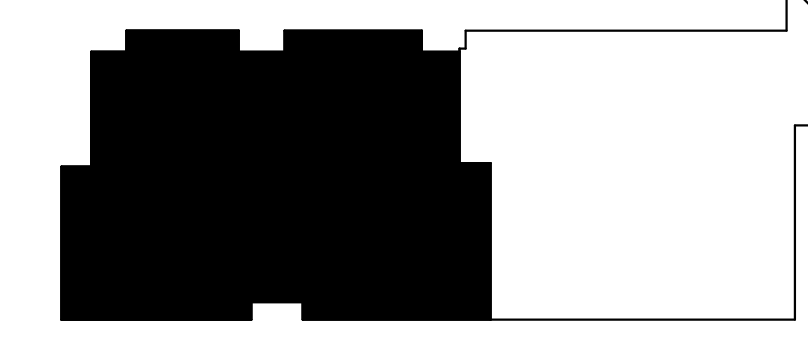
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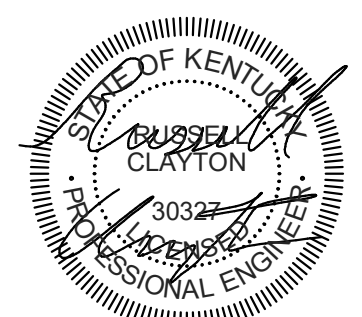
TAGGED NOTES

- E4 ADA PUSH PLATE TO BE MOUNTED ON BOLLARD POST AND CONNECTED TO ADA DOOR OPERATOR. SEE DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION.
- E5 POWER TO MOTORIZED DOOR. EXTEND CONDUIT AND CONTROL WIRING TO ADA DOOR OPERATOR ON INTERIOR SERVICE COLUMN AND EXTERIOR BOLLARD.
- E6 POWER TO MOTORIZED DOOR. EXTEND CONDUIT AND CONTROL WIRING TO ADA DOOR OPERATOR INSIDE AND OUTSIDE OF RESTROOM.
- E9 TRENCH ACROSS FLOORING AND CUT-IN NEW BOX IN EXISTING CONCRETE SLAB.
- E10 PROVIDE JUNCTION BOX FOR FUTURE AV CAMERA. REFER TO DETAIL 9 ON SHEET E-8.1 FOR REQUIREMENTS.
- E11 PROVIDE POWER TO FIRE ALARM ANNUNCIATOR.
- E12 PROVIDE POWER TO FIRE ALARM CONTROL PANEL.
- E13 PROVIDE POWER TO TWO WAY COMMUNICATION MASTER STATION.
- E19 INSTALL POWER AND DATA OUTLETS IN CASEWORK. REFER TO ARCHITECTURAL DRAWING A-5.8 FOR EXACT ROUGH-IN LOCATIONS.
- E29 PROVIDE POWER AND DATA FOR LIGHTING CONTROL PANEL.
- 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.
- E33 PROVIDE 100 GALLON DAY TANK AND ALL ASSOCIATED FUEL PIPING. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
- E35 MOUNT GENERATOR BREAKER ON THIS SIDE TO ALLOW FOR NEC REQUIRED CLEARANCE.
- E37 PROVIDE EMERGENCY GENERATOR AUTOMATIC KILL SWITCH. PROVIDE MUSHROOM HEAD TYPE SWITCH WITH PLASTIC FLIP COVER. PROVIDE WITH LAMACOID LABEL TO INDICATE EMERGENCY GENERATOR SHUT OFF.
- E38 PROVIDE FUEL TANK ALARM. PROVIDE ALL REQUIRED CONNECTIONS TO GENERATOR FUEL TANK AS REQUIRED BY MANUFACTURER. FUEL ALARM SHALL ANNUNCIATE AT GENERATOR ANNUNCIATOR PANEL AND SHALL CONTACT UK FACILITIES DEPARTMENT.
- E39 PROVIDE NEW 208Y/120V GENERATOR WITH DAY TANK. REFER TO SPECIFICATIONS AND ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- E41 PROVIDE EMERGENCY GENERATOR REMOTE ANNUNCIATOR FOR NEW GENERATOR IN ROOM 104. PROVIDE ALL CONTROL WIRING TO GENERATOR NECESSARY FOR A COMPLETE SYSTEM.
- E42 BID ALTERNATE #2. PROVIDE EMERGENCY GENERATOR REMOTE ANNUNCIATOR FOR NEW GENERATOR IN ROOM 102A. PROVIDE ALL CONTROL WIRING TO GENERATOR NECESSARY FOR A COMPLETE SYSTEM.
- E43 PROVIDE POWER AND DATA FOR ACCESS CONTROL PANEL. COORDINATE WITH INSTALLER PRIOR TO ROUGH-IN.
- E49 PROVIDE POWER TO GENERATOR ACCESSORIES. REFER TO PANEL SCHEDULES FOR ADDITIONAL INFORMATION.
- E63 LOCATE FIRE PUMP TRANSFORMER DISCONNECT AS REQUIRED BY CODE BASED ON CONDUITOR ENTRY LOCATION. REFER TO ONE-LINE FOR SIZING.
- E78 PROVIDE POWER FOR GENERATOR CONTROL PANEL. COORDINATE LOCATION WITH INSTALLER PRIOR TO ROUGH-IN.
- E88 PROVIDE PORTABLE GENERATOR CONNECTION POINT ON EXTERIOR WALL. REFER TO ONE-LINE DIAGRAM FOR REQUIREMENTS. DEMOLISH EXISTING SLAB AND PROVIDE CONDUIT BELOW EXISTING SLAB. PATCH AND REPAIR SLAB AND SIDEWALK IN AREA OUTSIDE OF BUILDING FOOTPRINT. PROVIDE CONCRETE SLAB FOR EQUIPMENT PER MANUFACTURER RECOMMENDATIONS. IF BID ALTERNATE #2 IS SELECTED, THIS CONNECTION SHALL BE MOVED TO LOCATION SHOWN WITH NOTE E89.
- E91 PROVIDE DOOR POWER FOR ADA DOOR OPERATOR IN THIS LOCATION. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- E92 PROVIDE DRIP PAN OVER ENTIRETY OF GENERATOR BREAKER PANEL IN THIS LOCATION TO PROTECT FROM OVERHEAD UTILITIES AS REQUIRED BY NEC CODE.
- E95 TRAPEZE TAP TRANSFORMER AND COORDINATION NEC CODE REQUIRED CLEARANCE WITH FIRE PUMP PIPING PRIOR TO INSTALLATION.
- E96 GENERATOR MANUFACTURER SHALL TRIM GENERATOR RAIL SYSTEM TO NO LARGER THAN 11" TO ALLOW GENERATOR INSTALLATION DUE TO EXTERIOR WALKWAY WIDTH TO ALLOW INSTALLATION WITH EXISTING CONDITIONS.
- E97 EXISTING 24" UNDERGROUND CONDUITS FROM PANEL ROOM TERMINATE IN THIS LOCATION. CONTRACTOR SHALL DIG DOWN BELOW SLAB AND INTERCEPT THESE CONDUITS AND EXTEND CONDUIT AND NEW WIRING PER ONE-LINE. ON SHEET E-8.1, TO 108A/EIATS-1.



1 LEVEL 01 - POWER
SCALE: 1/4" = 1'-0"
0 1 2 4 8 12 16'





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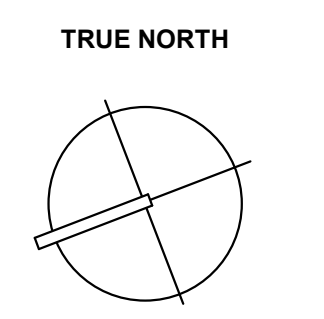
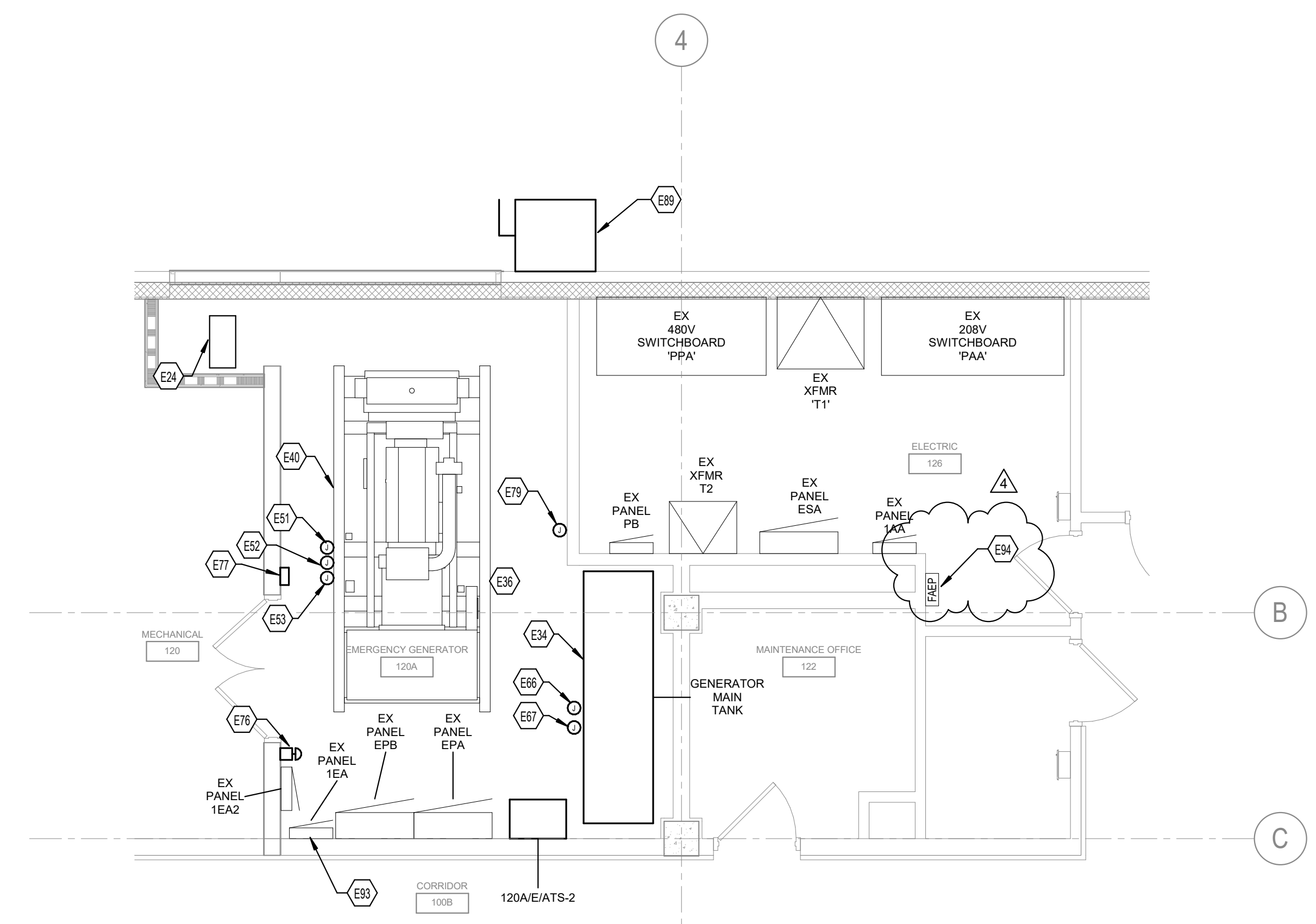
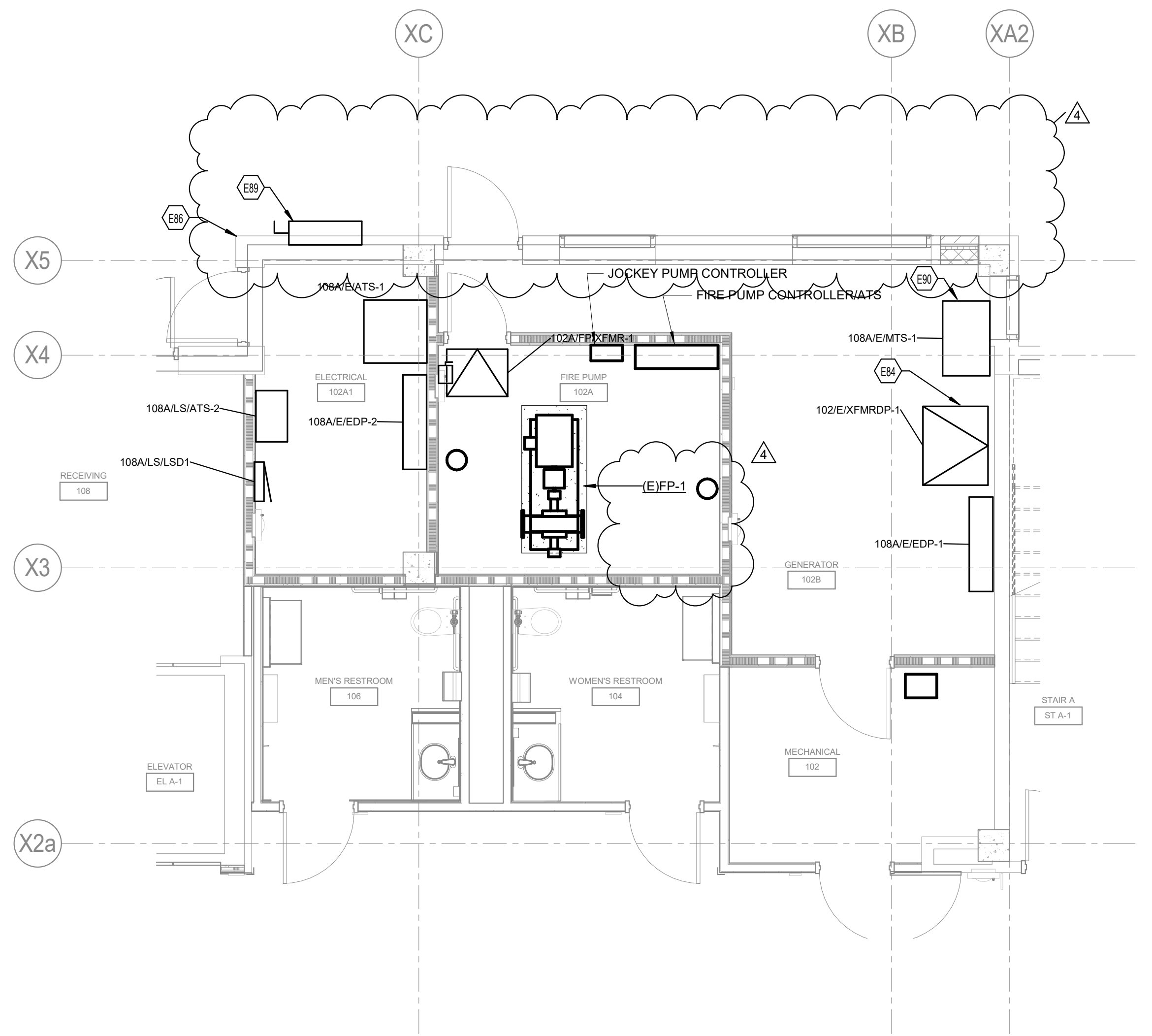
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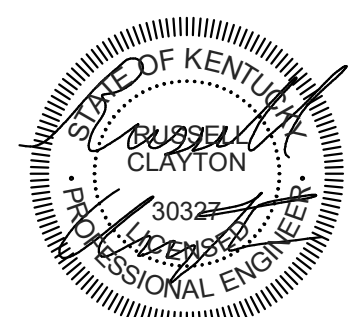
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**GENERATOR ALTERNATE
LEVEL 01 POWER**

E-4.1cR2

- TAGGED NOTES** #
- E24 BID ALTERNATE #2: EXHAUST FAN WILL BE RELOCATED. RELOCATE EXISTING ELECTRICAL CIRCUIT AND FINAL CONNECTIONS TO NEW LOCATION.
 - E34 BID ALTERNATE #2 GENERATOR: PROVIDE 600 GALLON MAIN FUEL TANK WITH MANUAL FILL ON BUILDING EXTERIOR. COORDINATE TANK DIMENSIONS WITH NEW ATS DIMENSIONS PRIOR TO ORDERING TO ENSURE FIT AND NEC REQUIRED CLEARANCE. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
 - E36 BID ALTERNATE #2 GENERATOR: MOUNT GENERATOR BREAKERS ON THIS SIDE TO ALLOW FOR NEC REQUIRED CLEARANCE. PROVIDE PROPOSED LOCATION TO ENGINEER PRIOR TO ORDERING TO VERIFY FIT AND CLEARANCE.
 - E40 BID ALTERNATE #2: PROVIDE NEW 480/277V GENERATOR WITH DAY TANK. REFER TO SPECIFICATIONS AND ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
 - E51 BID ALTERNATE #2: PROVIDE 2#12 #12G TO GENERATOR FOR BATTERY CHARGER AND TERMINATE IN NEW 15A/1P BREAKER IN PANEL LSD1.
 - E52 BID ALTERNATE #2: PROVIDE 3#10 #10G TO GENERATOR FOR BLOCK HEATER AND TERMINATE IN NEW 25A/2P BREAKER IN PANEL LSD1.
 - E53 BID ALTERNATE #2: PROVIDE 2#12 #12G TO GENERATOR FOR ALTERNATOR HEATER AND TERMINATE IN NEW 15A/1P BREAKER IN PANEL LSD1.
 - E66 BID ALTERNATE #2: PROVIDE 2#12 #12G TO GENERATOR FOR TANK VENT POWER AND TERMINATE IN NEW 15A/1P BREAKER IN PANEL LSD1.
 - E67 BID ALTERNATE #2: PROVIDE 2#10 #10G TO GENERATOR FOR FUEL PUMP POWER AND TERMINATE IN 20A/1P BREAKER IN PANEL LSD1.
 - E76 BID ALTERNATE #2: PROVIDE EMERGENCY GENERATOR AUTOMATIC KILL SWITCH. PROVIDE MUSHROOM HEAD TYPE SWITCH WITH PLASTIC FLIP COVER. PROVIDE WITH LAMACOID LABEL TO INDICATE EMERGENCY GENERATOR SHUT OFF.
 - E77 BID ALTERNATE #2: PROVIDE FUEL TANK ALARM. PROVIDE ALL REQUIRED CONNECTIONS TO GENERATOR FUEL TANK AS REQUIRED BY MANUFACTURER. FUEL ALARM SHALL ANNUNCIATE AT GENERATOR ANNUNCIATOR PANEL AND SHALL CONTACT UK FACILITIES DEPARTMENT.
 - E79 BID ALTERNATE #2: PROVIDE 2#12 #12G TO GENERATOR CONTROLS. TERMINATE IN NEW 15A/1P BREAKER IN PANEL LSD1.
 - E84 BID ALTERNATE #2: PROVIDE TRANSFORMER IN THIS LOCATION FOR FIRE PUMP FEEDER. REFER TO ONE-LINE DIAGRAM FOR MORE INFORMATION. TRENCH FIRE PUMP FEEDER IN EXISTING SLAB FROM SITE AND TO FIRE PUMP FROM THIS LOCATION. COORDINATE WITH PLUMBING UTILITIES. SHOWN ON SHEET P-2.0A. REFER TO SHEET EQ4.0 FOR ADDITIONAL INFORMATION.
 - E86 BID ALTERNATE #2: THIS DRAWING SHOWS THE ALTERNATE PANEL LAYOUT CONFIGURATION IS THE ALTERNATE IS ACCEPTED. ALL OTHER WORK NOT ASSOCIATED WITH GENERATOR AND PANEL CONFIGURATION, INCLUDING BRANCH WIRING AND ELECTRICAL DEVICES, SHOWN ON SHEET E-4.1A SHALL STILL BE REQUIRED IN BID ALTERNATE #2.
 - E89 BID ALTERNATE #2: PROVIDE PORTABLE GENERATOR CONNECTION POINT ON EXTERIOR WALL. REFER TO ONE-LINE DIAGRAM FOR REQUIREMENTS. DEMOLISH EXISTING SLAB AND PROVIDE CONDUIT BELOW EXISTING SLAB. PATCH AND REPAIR SLAB AND SIDEWALK IN AREA OUTSIDE OF BUILDING FOOTPRINT. PROVIDE CONCRETE SLAB FOR EQUIPMENT PER MANUFACTURER RECOMMENDATIONS.
 - E90 PROVIDE MANUAL TRANSFER SWITCH.
 - E93 BID ALTERNATE #2: LIFE SAFETY LIGHTING CIRCUITS SHALL BE INTERCEPTED AT THIS PANEL AND ROUTED TO BE FED FROM NEW PANEL LSD1 IN ROOM 102A1. ASSUME THREE CIRCUITS TO BE REROUTED. FOR EACH CIRCUIT PROVIDE 2#8 #10G IN 1" CONDUIT FROM THIS LOCATION TO PANEL LSD1 AND TERMINATE ON NEW 20A/1P BREAKER.
 - E94 BID ALTERNATE #2: LIFE SAFETY FIRE ALARM CIRCUIT SHALL BE INTERCEPTED AT THIS LOCATION AND ROUTED TO BE FED FROM NEW PANEL LSD1 IN ROOM 102A1. ASSUME ONE CIRCUIT TO BE REROUTED. PROVIDE 2#8 #10G IN 1" CONDUIT FROM THIS LOCATION TO PANEL LSD1 AND TERMINATE ON NEW 20A/1P BREAKER.



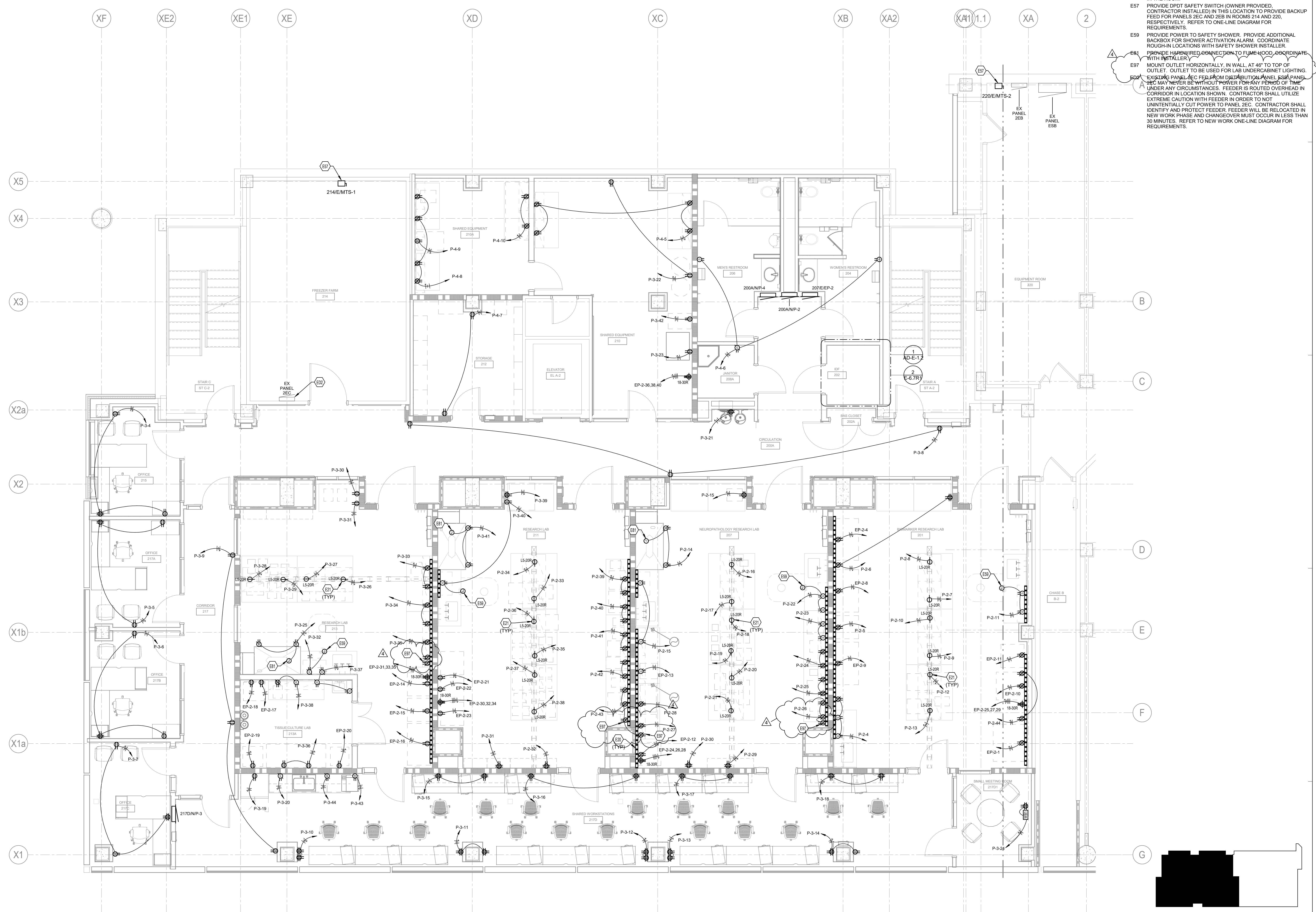


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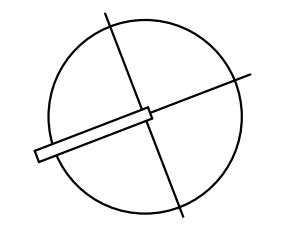
PROJECT NUMBER	UK: 2571.0
	OMNI: 2133
DATE	01/25/2023
100% CONSTRUCTION DOCUMENTS	
REVISIONS	
▲ ADDENDUM 1	02/09/23
▲ ADDENDUM 2	02/17/23
▲ ADDENDUM 3	02/21/23
▲ ADDENDUM 4	03/07/23

- TAGGED NOTES**
- E20 FOR ALL LOCATIONS WHERE RACEWAY IS SHOWN, PROVIDE BOD WIREMOLD ALA5200 SERIES DUAL COMPARTMENT ALUMINUM RACEWAY, OR EQUIVALENT UNLESS NOTED OTHERWISE ON PLANS. ALL POWER AND DATA RECEPTACLES SHOWN ARE TO BE INSTALLED IN RACEWAY UNLESS NOTED OTHERWISE.
 - E21 MOUNT CEILING RECEPTACLE AND DATA PLATE IN CEILING SERVICE ACCESS PANEL. REFER TO ACCESS PANEL IN LAB DRAWINGS SHEET QLO10. TYPICAL ALL CEILING DEVICES SHOWN IN THE ROOM.
 - E57 PROVIDE DPDT SAFETY SWITCH (OWNER PROVIDED CONTRACTOR INSTALLED) IN THIS LOCATION TO PROVIDE BACKUP FEED FOR PANELS 2EC AND 2EB IN ROOMS 214 AND 220, RESPECTIVELY. REFER TO ONE-LINE DIAGRAM FOR REQUIREMENTS.
 - E59 PROVIDE POWER TO SAFETY SHOWER. PROVIDE ADDITIONAL BACKBOX FOR SHOWER ACTIVATION ALARM. COORDINATE ROUGH-IN LOCATIONS WITH SAFETY SHOWER INSTALLER.
 - E81 PROVIDE HARDWIRED CONNECTION TO FUME HOOD, COORDINATE WITH INSTALLER.
 - E97 MOUNT OUTLET HORIZONTALLY, IN WALL, AT 48" TO TOP OF OUTLET. OUTLET TO BE USED FOR LAB UNDERCABINET LIGHTING.
 - AD-E-1 EXISTING PANEL 2EC FEED FROM DISTRIBUTION PANEL 658A PANEL 2EC MAY NEVER BE WITHOUT POWER FOR ANY PERIOD OF TIME UNDER ANY CIRCUMSTANCES. FEEDER IS ROUTED OVERHEAD IN CORRIDOR IN LOCATION SHOWN. CONTRACTOR SHALL UTILIZE EXTREME CAUTION WITH FEEDER IN ORDER TO NOT UNINTENTIONALLY CUT POWER TO PANEL 2EC. CONTRACTOR SHALL IDENTIFY AND PROTECT FEEDER. FEEDER WILL BE RELOCATED IN NEW WORK PHASE AND CHANGEOVER MUST OCCUR IN LESS THAN 30 MINUTES. REFER TO NEW WORK ONE-LINE DIAGRAM FOR REQUIREMENTS.



1 LEVEL 02 - POWER
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12' 16'

TRUE NORTH



LEVEL 02 POWER PLAN

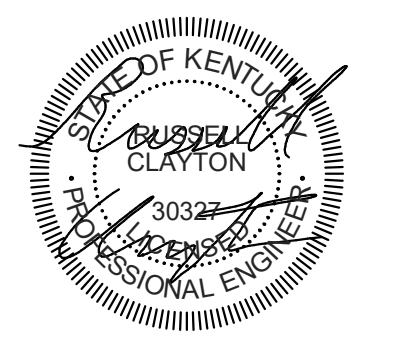
E-4.2aR1

TAGGED NOTES

- E3 POWER CONNECTION FOR DESK LOCATED AWAY FROM THE WALL.
- E4 ADA PUSH PLATE TO BE MOUNTED ON BOLLARD POST AND CONNECTED TO ADA DOOR OPERATOR. SEE DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION.
- E7 POWER TO MOTORIZED DOOR. EXTEND CONDUIT AND CONTROL WIRING TO ADA DOOR OPERATOR.
- E22 PROVIDE POWER FOR ACCESS CONTROL HEADEND EQUIPMENT.



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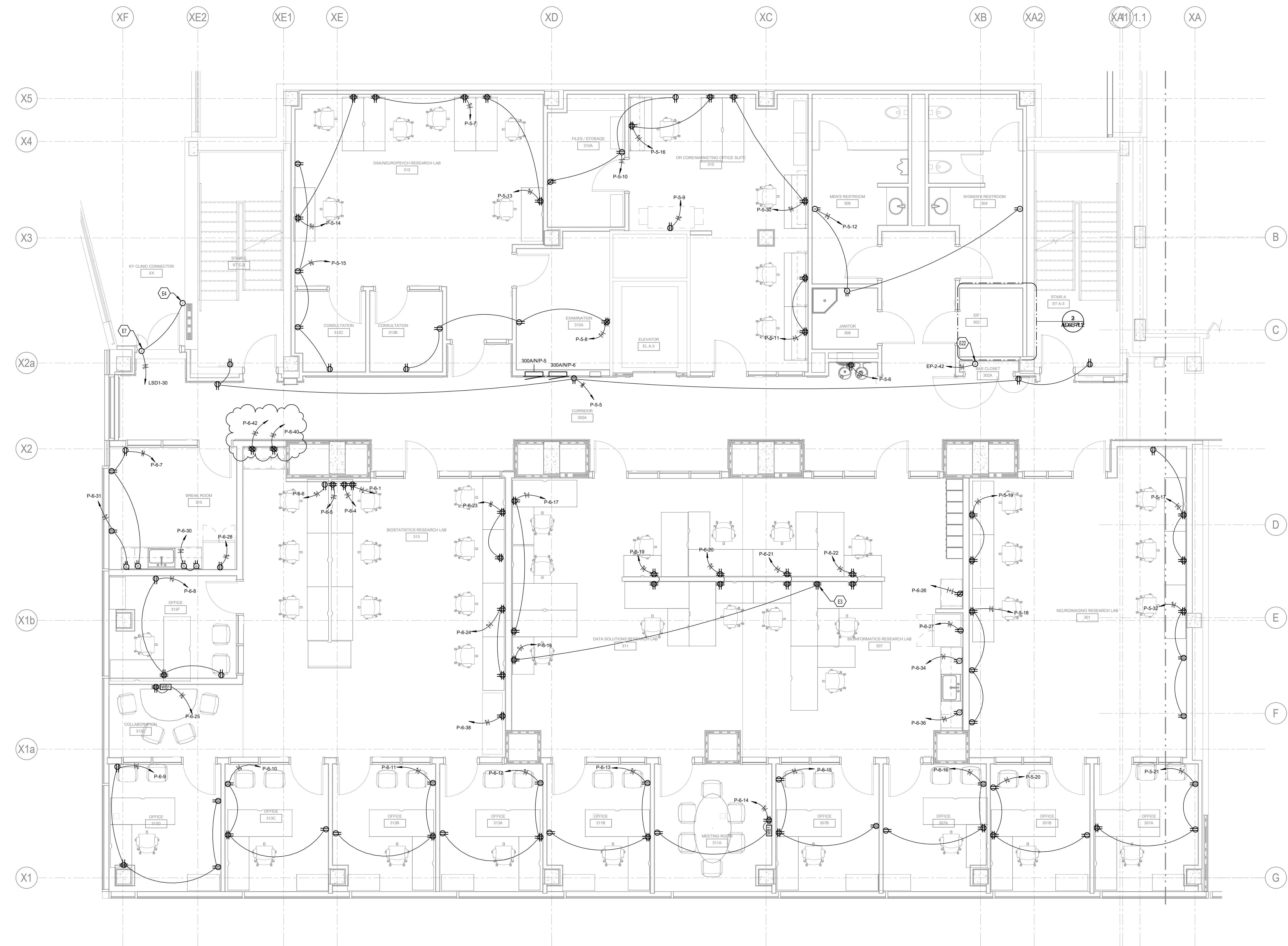
PROJECT NUMBER **UK: 2571.0**
OMNI: 2133

DATE **01/25/2023**
100% CONSTRUCTION DOCUMENTS

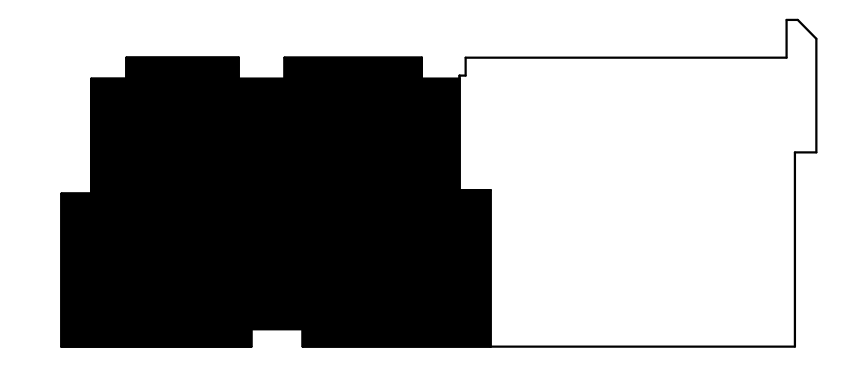
REVISIONS		
▲	ADDENDUM 1	02/09/23
▲	ADDENDUM 2	02/17/23
▲	ADDENDUM 3	02/21/23
▲	ADDENDUM 4	03/07/23

LEVEL 03 POWER PLAN

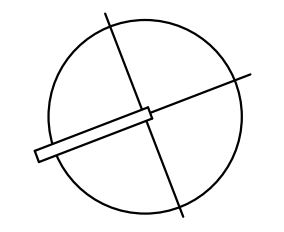
E-4.3aR1



1 LEVEL 03 - POWER
SCALE: 1/4" = 1'-0"
0 1 2 4 8 12 16'



TRUE NORTH



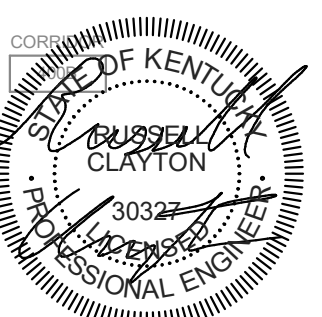
TAGGED NOTES

E93 BID ALTERNATE #2: LIFE SAFETY LIGHTING CIRCUITS SHALL BE INTERCEPTED AT THIS PANEL AND REROUTED TO BE FED FROM NEW PANEL LSD1 IN ROOM 102A1. ASSUME THREE CIRCUITS TO BE REROUTED. FOR EACH CIRCUIT PROVIDE 2#8, #10G IN 1" CONDUIT FROM THIS LOCATION TO PANEL LSD1 AND TERMINATE ON NEW 20A/1P BREAKER.

ED1 REROUTE EXISTING PANEL FROM NEW SWITCHGEAR. REFER TO ONE-LINE DIAGRAM FOR MORE INFORMATION.

Omni
ARCHITECTS

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OMNI: 2133

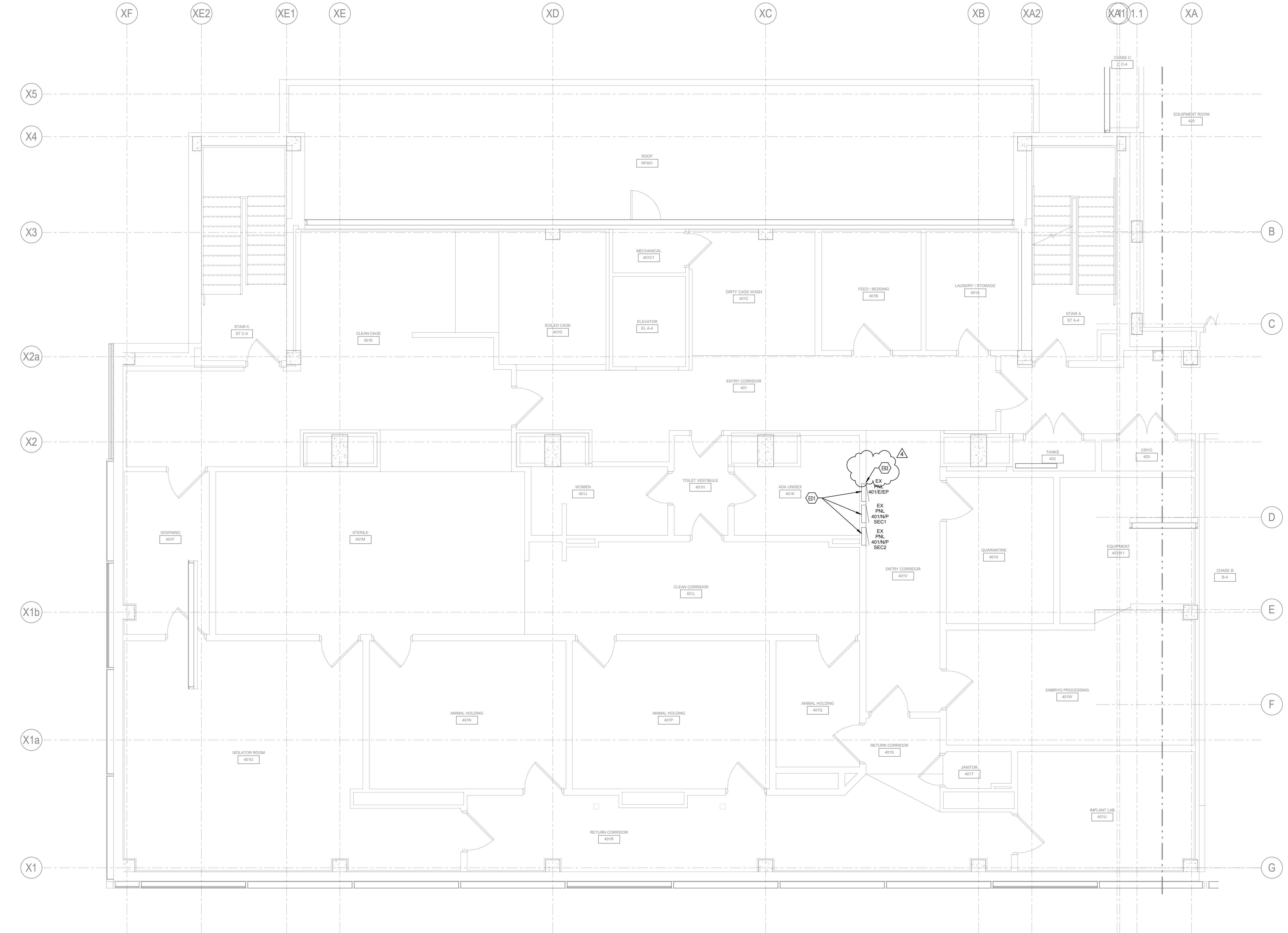
DATE **01/25/2023**
100% CONSTRUCTION DOCUMENTS

REVISIONS

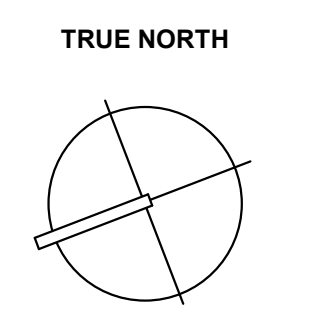
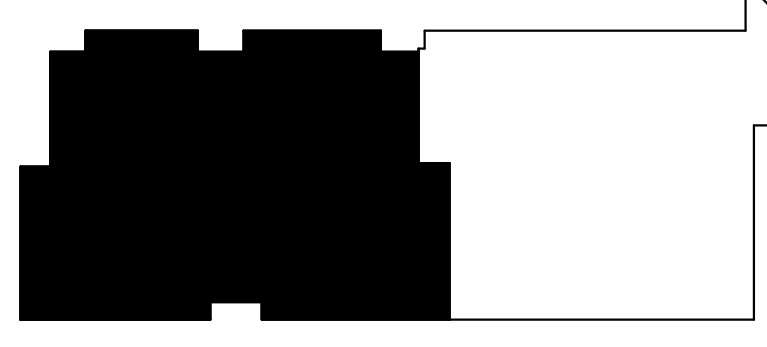
ADDENDUM 1	02/09/23
ADDENDUM 2	02/17/23
ADDENDUM 3	02/21/23
ADDENDUM 4	03/07/23

LEVEL 04 POWER PLAN

E-4.4aR1



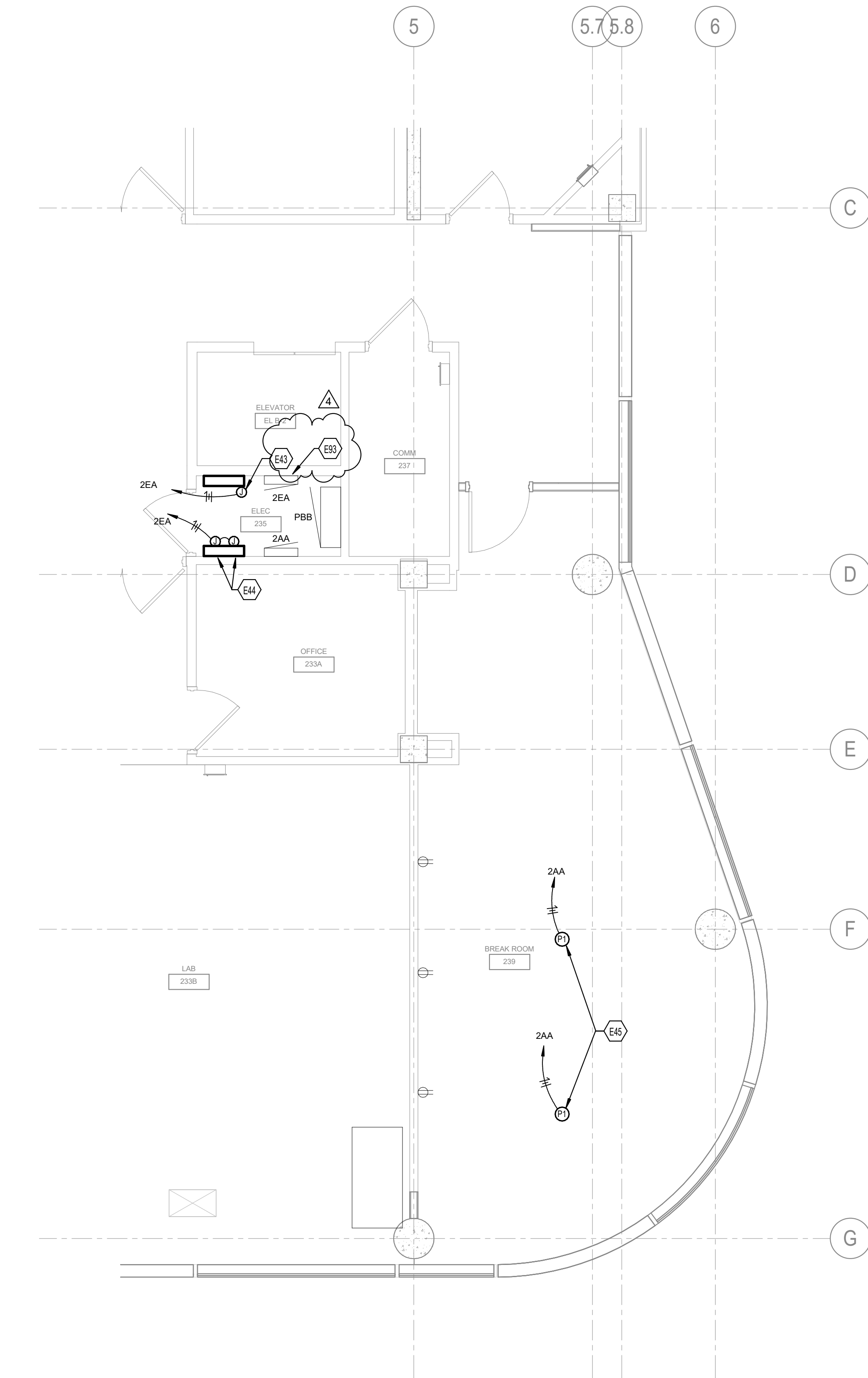
1 LEVEL 04 - POWER
SCALE: NONE



PRINT DATE: 3/6/2023 3:05:27 PM

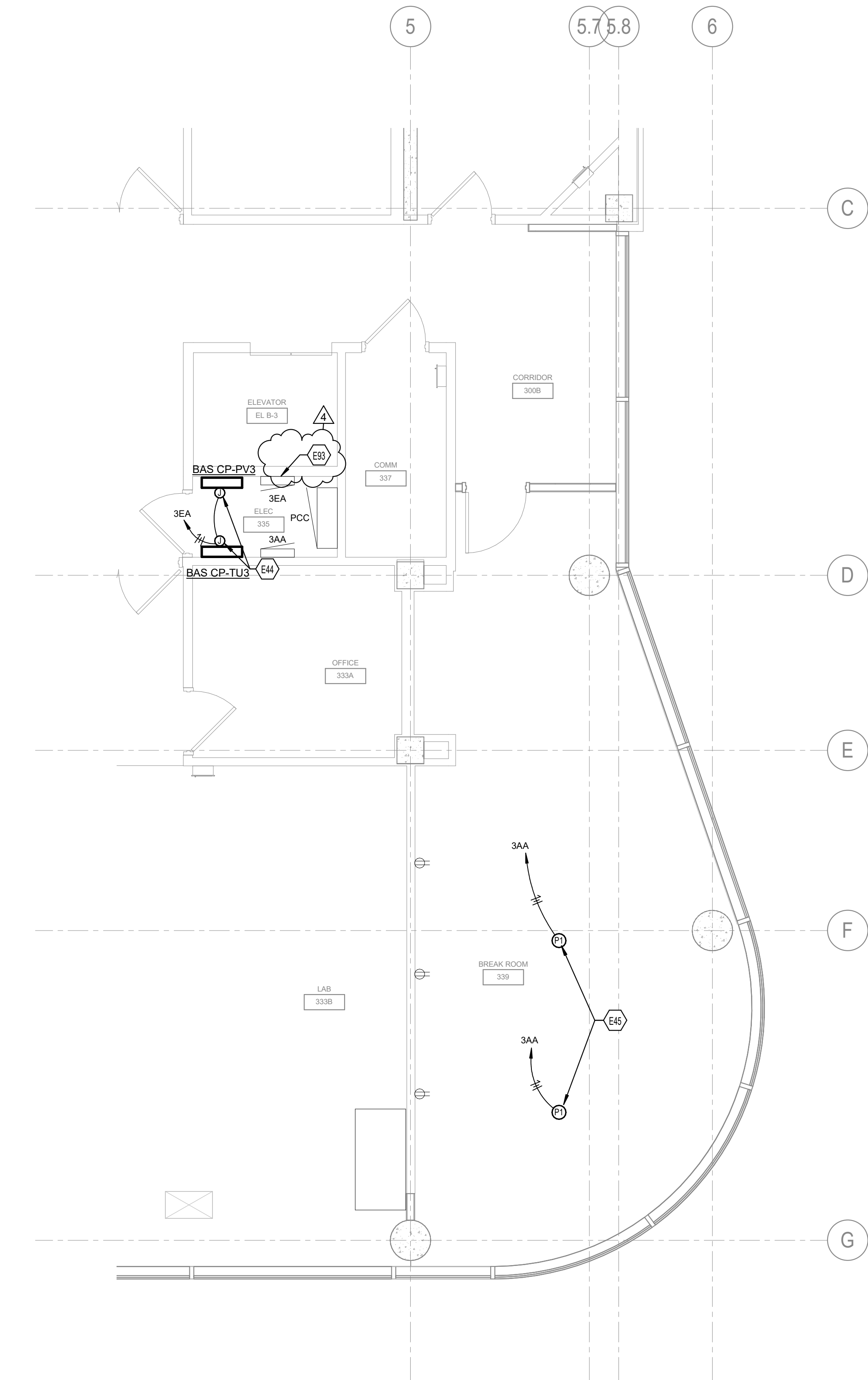
TAGGED NOTES

- E43 PROVIDE POWER AND DATA FOR ACCESS CONTROL PANEL. COORDINATE WITH INSTALLER PRIOR TO ROUGH-IN.
- E44 PROVIDE POWER AND DATA AT THIS LOCATION FOR A BAS PANEL. THIS WORK IS TO BE PART OF BID ALTERNATE #1.
- E45 PROVIDE SEPARATED CIRCUIT 2#12 AWG IN 1" CONDUIT FROM PANELBOARD INDICATED.
- E93 BID ALTERNATE #2: LIFE SAFETY LIGHTING CIRCUITS SHALL BE INTERCEPTED AT THIS PANEL AND REROUTED TO BE FED FROM NEW PANEL LSD1 IN ROOM 102A1. ASSUME THREE CIRCUITS TO BE REROUTED. FOR EACH CIRCUIT PROVIDE 2#8 #10G IN 1" CONDUIT FROM THIS LOCATION TO PANEL LSD1 AND TERMINATE ON NEW 20A/1P BREAKER.



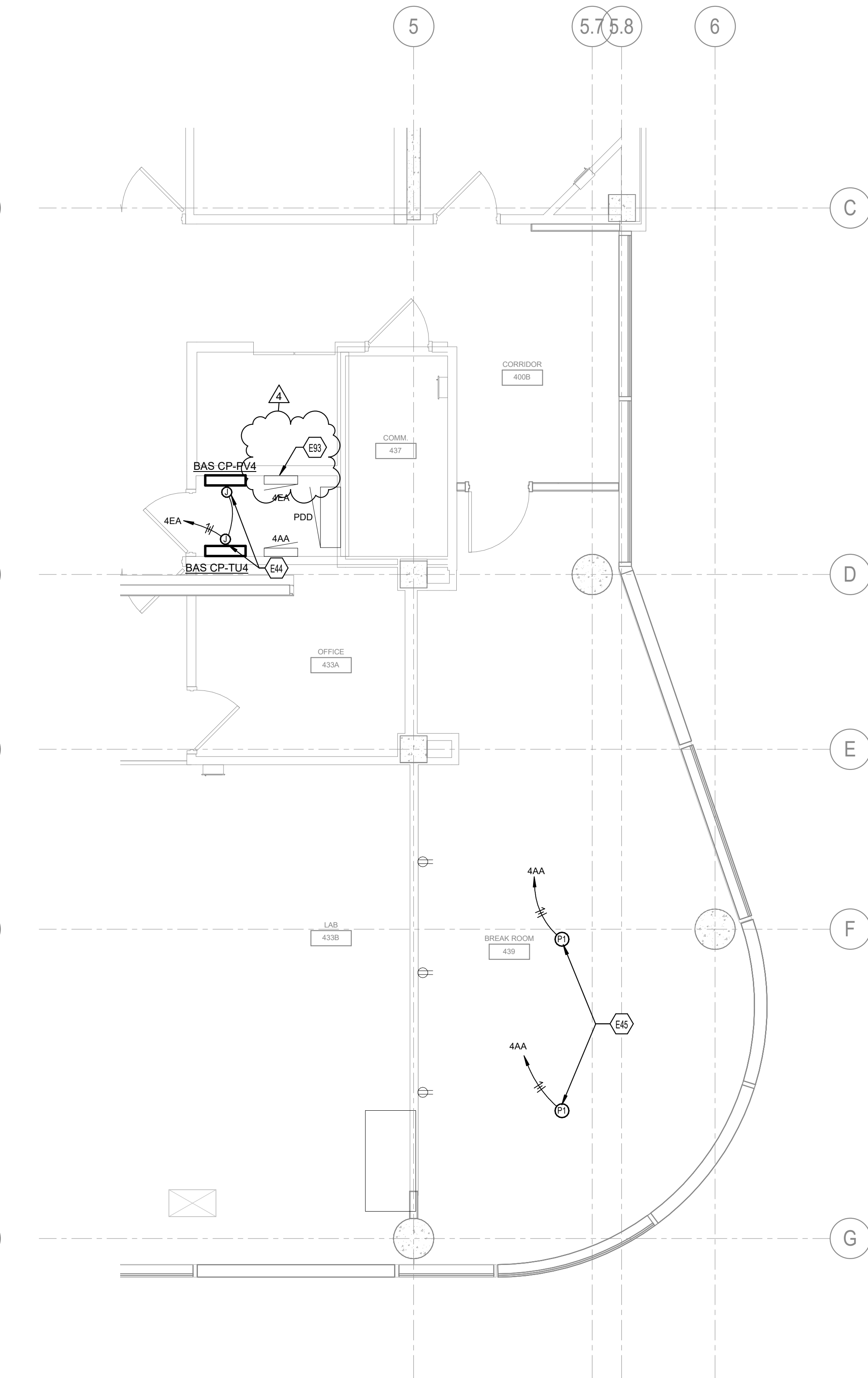
1 LEVEL 02b - POWER

SCALE: 1/4" = 1'-0"



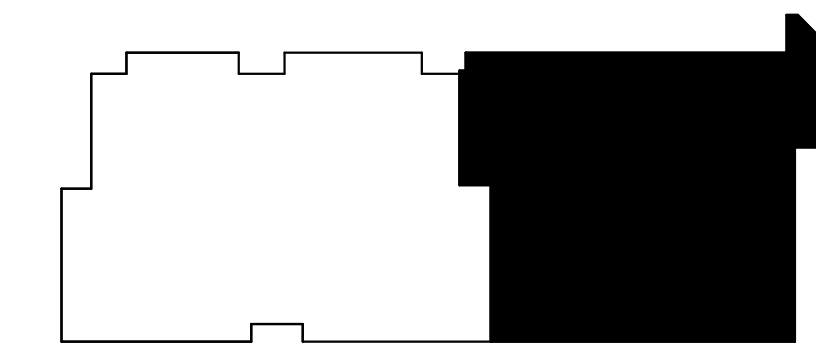
2 LEVEL 03b - POWER

SCALE: 1/4" = 1'-0"

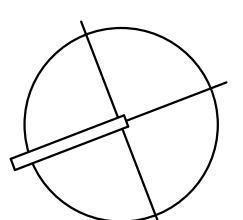


3 LEVEL 04b - POWER

SCALE: 1/4" = 1'-0"



TRUE NORTH



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REVISIONS

AREA B POWER PLAN

E-4.6bR1

SWITCHBOARD AND WIRING SCHEDULE

SWITCHBOARD: 108A/N/MDP-1. MAINS TYPE: MCB. PANEL INTERRUPTING RATING: 10,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 1200 A. MOUNTING: FLOOR. SUPPLY FROM: 144 kVA.

LOAD CLASSIFICATION TABLE with columns: EQUIP, REC, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, PANEL TOTALS.

NOTES: GENERAL NOTES: 1. PROVIDE I-LINE TYPE PANEL DUE TO SPACE RESTRICTIONS. 2. PROVIDE 100% RATED MAIN CIRCUIT BREAKER.

ALL PANELS SHOWN HERE SHALL BE OWNER PROVIDED, CONTRACTOR INSTALLED. ALL WIRING SHOWN SHALL BE PROVIDED BY CONTRACTOR.

PANELBOARD AND WIRING SCHEDULE

PANEL: 108A/LS/LSD1. MAINS TYPE: MCB. PANEL INTERRUPTING RATING: 10,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 250 A. MOUNTING: SURFACE. SUPPLY FROM: 108A/N/MDP-1.

LOAD CLASSIFICATION TABLE for Panel 108A/LS/LSD1.

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

SWITCHBOARD AND WIRING SCHEDULE

SWITCHBOARD: 108A/E/EDP-2. MAINS TYPE: MCB. PANEL INTERRUPTING RATING: 10,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 1000 A. MOUNTING: FLOOR. SUPPLY FROM: 108A/E/EDP-1.

LOAD CLASSIFICATION TABLE for Panel 108A/E/EDP-2.

NOTES: GENERAL NOTES: 1. PROVIDE I-LINE TYPE PANEL DUE TO SPACE RESTRICTIONS. 2. PROVIDE 100% RATED MAIN CIRCUIT BREAKER.

PANELBOARD AND WIRING SCHEDULE

PANEL: 105/N/P-1. MAINS TYPE: MLO. PANEL INTERRUPTING RATING: 22,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 225 A. MOUNTING: SURFACE. SUPPLY FROM: 108A/N/MDP-1.

LOAD CLASSIFICATION TABLE for Panel 105/N/P-1.

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: 200A/N/P-2. MAINS TYPE: MCB. PANEL INTERRUPTING RATING: 10,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 225 A. MOUNTING: FLUSH. SUPPLY FROM: 108A/N/MDP-1.

LOAD CLASSIFICATION TABLE for Panel 200A/N/P-2.

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: 200A/N/P-4. MAINS TYPE: MCB. PANEL INTERRUPTING RATING: 10,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 100 A. MOUNTING: FLUSH. SUPPLY FROM: 108A/N/MDP-1.

LOAD CLASSIFICATION TABLE for Panel 200A/N/P-4.

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: 207/E/EP-2. MAINS TYPE: MCB. PANEL INTERRUPTING RATING: 10,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 225 A. MOUNTING: FLUSH. SUPPLY FROM: 108A/E/EDP-2.

LOAD CLASSIFICATION TABLE for Panel 207/E/EP-2.

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

PANEL: 217/D/N/P-3. MAINS TYPE: MCB. PANEL INTERRUPTING RATING: 10,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 225 A. MOUNTING: FLUSH. SUPPLY FROM: 108A/N/MDP-1.

LOAD CLASSIFICATION TABLE for Panel 217/D/N/P-3.

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.

PANELBOARD AND WIRING SCHEDULE

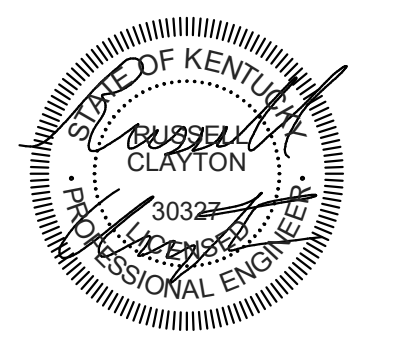
PANEL: 108A/E/EP-1. MAINS TYPE: MLO. PANEL INTERRUPTING RATING: 22,000. VOLTAGE: 208Y/120V, 3P, 4W. AMPERES: 100 A. MOUNTING: SURFACE. SUPPLY FROM: 108A/E/EDP-2.

LOAD CLASSIFICATION TABLE for Panel 108A/E/EP-1.

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.



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DATE: 01/25/2023 100% CONSTRUCTION DOCUMENTS

REVISIONS table with columns: NO., ADDENDUM, DATE.

PANEL SCHEDULES

E-9.3R2

PRINT DATE: 3/6/2023 3:08:37 PM

ALL PANELS SHOWN HERE SHALL BE OWNER PROVIDED, CONTRACTOR INSTALLED. ALL WIRING SHOWN SHALL BE PROVIDED BY CONTRACTOR.

PANELBOARD AND WIRING SCHEDULE															
PANEL: 300A/N/P-5			MAINS TYPE: MLO			PANEL INTERRUPTING RATING: 10,000			LOCATION: Space 163						
VOLTAGE: 208Y/120V, 3P, 4W			SPD: No			SUPPLY FROM: 108A/N/MDP-1			MOUNTING: SURFACE						
AMPERES: 150 A			MOUNTING: FLUSH			MOUNTING: FLUSH			MOUNTING: SURFACE						
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCPI	P	CKT	A	B	C	CKT	P	OCPI	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	LTNG LAB312, CONNS12B-C, EXAM312A	1#12, 1#12, 1#12	20	1	P-5-1	0.5	0.3		P-5-2	1	20	1#12, 1#12, 1#12	LTNG LAB312, ST0310A		
	LTNG OF302 RSTRM306, 304, JAN308	1#12, 1#12, 1#12	20	1	P-5-3		0.5	0.5	P-5-4	1	20	1#12, 1#12, 1#12	LTNG CORRIDOR 300A		
	REC CORRIDOR 300A	1#12, 1#12, 1#12	20	1	P-5-5			0.9	0.4	P-5-6	1	20	1#12, 1#12, 1#12	REC WTRF IN 300A	1
	REC LAB 312	1#12, 1#12, 1#12	20	1	P-5-7	0.7	0.7		P-5-8	1	20	1#12, 1#12, 1#12	REC EXAM312A, CONNS12B		
	REC OFFICE 310	1#12, 1#12, 1#12	20	1	P-5-9		0.2	0.5	P-5-10	1	20	1#12, 1#12, 1#12	REC FILES STORAGE		
	REC OFFICE 310	1#12, 1#12, 1#12	20	1	P-5-11			0.7	0.5	P-5-12	1	20	1#12, 1#12, 1#12	REC RSTRM306, 304, JAN308	
	REC DESK PWR LAB 312	1#12, 1#12, 1#12	20	1	P-5-13	0.7	0.7		P-5-14	1	20	1#12, 1#12, 1#12	REC LAB 312		
	REC LAB312, CONSULTATION312C	1#12, 1#12, 1#12	20	1	P-5-15		0.7	0.7	P-5-16	1	20	1#12, 1#12, 1#12	REC OFFICE 310		
	REC LAB 301	1#12, 1#12, 1#12	20	1	P-5-17		0.9	0.5	P-5-18	1	20	1#12, 1#12, 1#12	REC LAB 301		
	REC LAB 301	1#12, 1#12, 1#12	20	1	P-5-19	0.7	0.7		P-5-20	1	20	1#12, 1#12, 1#12	REC OFFICE 301B		
	REC OFFICE 301A	1#12, 1#12, 1#12	20	1	P-5-21		0.7	0.6	P-5-22	1	20	1#12, 1#12, 1#12	LTNG LAB 301, OFFICE301B, 301A		
	LTG OFFICE311B, 307B, 307A, RM311A	1#12, 1#12, 1#12	20	1	P-5-23		0.4	0.8	P-5-24	1	20	1#12, 1#12, 1#12	LTNG LAB 307		
	VAV CONTROLS 300A	1#12, 1#12, 1#12	20	1	P-5-25	1.0	0.5		P-5-26	1	20	1#12, 1#12, 1#12	VAV CONTROLS LAB 312		
	VAV CONTROLS LAB 311	1#12, 1#12, 1#12	20	1	P-5-27		0.5	0.5	P-5-28	1	20	1#12, 1#12, 1#12	REC RSTRM306, 304, JAN308		
1	SPARE	--	20	1	P-5-29			0.0	0.7	P-5-30	1	20	--	SPARE	
1	SPARE	--	20	1	P-5-31	0.0	0.7		P-5-32	1	20	1#12, 1#12, 1#12	REC LAB 307		
	SPARE	--	20	1	P-5-33		0.0	0.2	P-5-34	1	15	1#12, 1#12, 1#12	FC-2 UNITS 3RD FLOOR STAIRS		
	SPARE	--	20	1	P-5-35			0.0	0.0	P-5-36	1	20	--	SPARE	
	SPARE	--	20	1	P-5-37	0.0	0.0		P-5-38	1	20	--	SPARE		
	SPARE	--	20	1	P-5-39		0.0	0.0	P-5-40	1	20	--	SPARE		
	SPARE	--	20	1	P-5-41			0.0	0.0	P-5-42	1	20	--	SPARE	
						7.4 kVA	5.8 kVA	5.9 kVA							
						62 A	48 A	49 A							
LOAD CLASSIFICATION			CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS									
EQUIP		2740 VA	100.00%	2740 VA	TOTAL CONNECTED LOAD: 19026 VA										
LTNG		3686 VA	100.00%	3686 VA	TOTAL ESTIMATED DEMAND: 17726 VA										
REC		12600 VA	89.68%	11300 VA	TOTAL CONNECTED CURRENT: 53 A										
					TOTAL ESTIMATED DEMAND CURRENT: 49 A										
					25 % ADDITIONAL CAPACITY: 12 A										
					TOTAL PANEL CURRENT: 62 A										

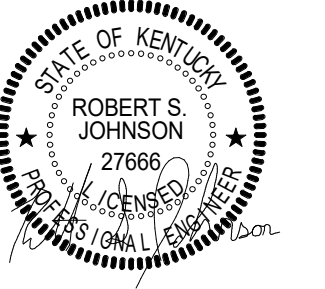
SWITCHBOARD AND WIRING SCHEDULE											
SWITCHBOARD: 108A/E/EDP-1			MAINS TYPE: MLO			KAIC VALUE: 22,000			LOCATION: ELECTRICAL 102A1		
VOLTAGE: 208Y/120V, 3P, 4W			SPD: No			SUPPLY FROM:			MOUNTING: FLOOR		
AMPERES: 1200 A			MOUNTING: FLOOR			MOUNTING: FLOOR			MOUNTING: FLOOR		
CKT	CIRCUIT DESCRIPTION	SETS	WIRE	GND	COND	POLES	FRAME	TRIP	LOAD (kVA)	REMARKS	
EDP-1-1	108A/E/EDP-2	--	--	--	--	3	1000 A	1000 A	228.8		
EDP-1-2		--	--	--	--						
EDP-1-3	PANEL 108A/LS/LS01	--	--	--	--	1	250 A	250 A	28.0		
EDP-1-4	FIRE PUMP	--	--	--	--	1	175 A	175 A	43.0		
EDP-1-5	SPARE	--	--	--	--	1	100 A	100 A	0.0		
EDP-1-6	SPARE	--	--	--	--	1	100 A	100 A	0.0		
EDP-1-7	SPARE	--	--	--	--	1	225 A	225 A	0.0		
EDP-1-8		--	--	--	--						
EDP-1-9		--	--	--	--						
LOAD CLASSIFICATION			CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS					
EQUIP		198273 VA	100.00%	198273 VA	TOTAL CONN. LOAD: 300 kVA						
REC		30560 VA	66.36%	20280 VA	TOTAL EST. DEMAND: 290 kVA						
Spare		71000 VA	100.00%	71000 VA	TOTAL CONN. CURRENT: 532 A						
					TOTAL EST. DEMAND CURRENT: 804 A						

NOTES:
1. BID ALTERNATE #2. PROVIDE 100% RATED MAIN CIRCUIT BREAKER IN LEU OF MLO PANEL.
GENERAL NOTES: 1. PROVIDE I-LINE TYPE PANEL DUE TO SPACE RESTRICTIONS.
2. PROVIDE 100% RATED MAIN CIRCUIT BREAKER.

PANELBOARD AND WIRING SCHEDULE															
PANEL: 300A/N/P-6			MAINS TYPE: MLO			PANEL INTERRUPTING RATING: 10,000			LOCATION: Space 163						
VOLTAGE: 208Y/120V, 3P, 4W			SPD: No			SUPPLY FROM: 108A/N/MDP-1			MOUNTING: SURFACE						
AMPERES: 150 A			MOUNTING: FLUSH			MOUNTING: FLUSH			MOUNTING: SURFACE						
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCPI	P	CKT	A	B	C	CKT	P	OCPI	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES	
	REC RM 313	1#12, 1#12, 1#12	20	1	P-6-1	0.2	0.5		P-6-2	1	20	1#12, 1#12, 1#12	LTNG LAB313		
	LTNG OFFICE 315, 313F-A	1#12, 1#12, 1#12	20	1	P-6-3		0.6	0.2	P-6-4	1	20	1#12, 1#12, 1#12	REC RM 313		
	REC RM 313	1#12, 1#12, 1#12	20	1	P-6-5			0.2	0.2	P-6-6	1	20	1#12, 1#12, 1#12	COOPER POWER RM 313	
	REC BREAKROOM 315	1#12, 1#12, 1#12	20	1	P-6-7	0.5	0.7		P-6-8	1	20	1#12, 1#12, 1#12	REC OFFICE 313F		
	REC OFFICE 313D	1#12, 1#12, 1#12	20	1	P-6-9		0.9	0.7	P-6-10	1	20	1#12, 1#12, 1#12	REC OFFICE 313C		
	REC OFFICE 313B	1#12, 1#12, 1#12	20	1	P-6-11			0.7	0.7	P-6-12	1	20	1#12, 1#12, 1#12	REC OFFICE 313A	
	REC OFFICE 313B	1#12, 1#12, 1#12	20	1	P-6-13	0.7	0.9		P-6-14	1	20	1#12, 1#12, 1#12	REC MEETING ROOM 311A		
	REC OFFICE 307B	1#12, 1#12, 1#12	20	1	P-6-15		0.7	0.7	P-6-16	1	20	1#12, 1#12, 1#12	REC OFFICE 307A		
	REC LAB 311	1#12, 1#12, 1#12	20	1	P-6-17		0.7	0.7	P-6-18	1	20	1#12, 1#12, 1#12	REC LAB 311		
	REC LAB 311	1#12, 1#12, 1#12	20	1	P-6-19	0.7	0.7		P-6-20	1	20	1#12, 1#12, 1#12	REC LAB 311		
	REC LAB 307	1#12, 1#12, 1#12	20	1	P-6-21		0.7	0.7	P-6-22	1	20	1#12, 1#12, 1#12	REC LAB 307		
	REC LAB 313	1#12, 1#12, 1#12	20	1	P-6-23		0.7	0.7	P-6-24	1	20	1#12, 1#12, 1#12	REC LAB 313		
	REC COLLABORATION 313F	1#12, 1#12, 1#12	20	1	P-6-25	0.7	0.4		P-6-26	1	20	1#12, 1#12, 1#12	REC LAB 307		
	REC LAB 307	1#12, 1#12, 1#12	20	1	P-6-27		0.2	0.2	P-6-28	1	20	1#12, 1#12, 1#12	REC FRIDGE RM 315	1	
	SPARE	--	20	1	P-6-29			0.0	0.4	P-6-30	1	20	1#12, 1#12, 1#12	REC RM 315	
	REC RM 315	1#12, 1#12, 1#12	20	1	P-6-31	0.4	0.5		P-6-32	1	20	1#12, 1#12, 1#12	VAV CONTROLS LAB 313		
1	SPARE	--	20	1	P-6-33		0.0	0.2	P-6-34	1	20	1#12, 1#12, 1#12	REC RM 307 SINK		
1	SPARE	--	20	1	P-6-35		0.0	0.2	P-6-36	1	20	1#12, 1#12, 1#12	REC RM SINK		
	SPARE	--	20	1	P-6-37	0.0	0.4		P-6-38	1	20	1#12, 1#12, 1#12	REC RM 313		
	SPARE	--	20	1	P-6-39		0.0	0.2	P-6-40	1	20	1#12, 1#12, 1#12	COFFEE STATION RM 313		
	SPARE	--	20	1	P-6-41			0.0	0.2	P-6-42	1	20	1#12, 1#12, 1#12	COFFEE STATION RM 313	
	SPARE	--	20	1	P-6-43	0.0	0.0		P-6-44	1	20	--	SPARE		
	SPARE	--	20	1	P-6-45		0.0	0.0	P-6-46	1	20	--	SPARE		
	SPARE	--	20	1	P-6-47			0.0	0.0	P-6-48	1	20	--	SPARE	
	SPARE	--	20	1	P-6-49	0.0	0.0		P-6-50	1	20	--	SPARE		
	SPARE	--	20	1	P-6-51			0.0	0.0	P-6-52	1	20	--	SPARE	
	SPARE	--	20	1	P-6-53			0.0	0.0	P-6-54	1	20	--	SPARE	
						7.3 kVA	6.0 kVA	5.4 kVA							
						62 A	51 A	45 A							
LOAD CLASSIFICATION			CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS									
EQUIP		500 VA	100.00%	500 VA	TOTAL CONNECTED LOAD: 18785 VA										
LTNG		1185 VA	100.00%	1185 VA	TOTAL ESTIMATED DEMAND: 15235 VA										
REC		17100 VA	79.24%	13550 VA	TOTAL CONNECTED CURRENT: 52 A										
					TOTAL ESTIMATED DEMAND CURRENT: 42 A										
					25 % ADDITIONAL CAPACITY: 11 A										
					TOTAL PANEL CURRENT: 53 A										

NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.
1. PROVIDE GFI RATED RECEPTACLE.
GENERAL NOTE: PROVIDE STAINLESS STEEL PANELBOARD COVER.

PANELBOARD AND WIRING SCHEDULE														
PANEL: 501B/E/E2			MAINS TYPE: MCB			PANEL INTERRUPTING RATING: 10,000			LOCATION: Space 163					
VOLTAGE: 208Y/120V, 3P, 4W			SPD:			SUPPLY FROM: 108A/E/EDP-2			MOUNTING: SURFACE					
AMPERES: 400 A			MOUNTING: SURFACE			MOUNTING: SURFACE			MOUNTING: SURFACE					
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCPI	P	CKT	A	B	C	CKT	P	OCPI	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
2	LEF-1 ROOF EF	3#1, 1#1, 1#6	110	3	E2-3	4.6	0.8		E2-2	2	15	2#12, 1#12, 1#12	IDF CU-1	
					E2-5			4.6	0.8	E2-6	2	15	2#12, 1#12, 1#12	IDF CU-1
					E2-7	4.6	0.8		E2-8	2	15	2#12, 1#12, 1#12	IDF CU-1	
2														



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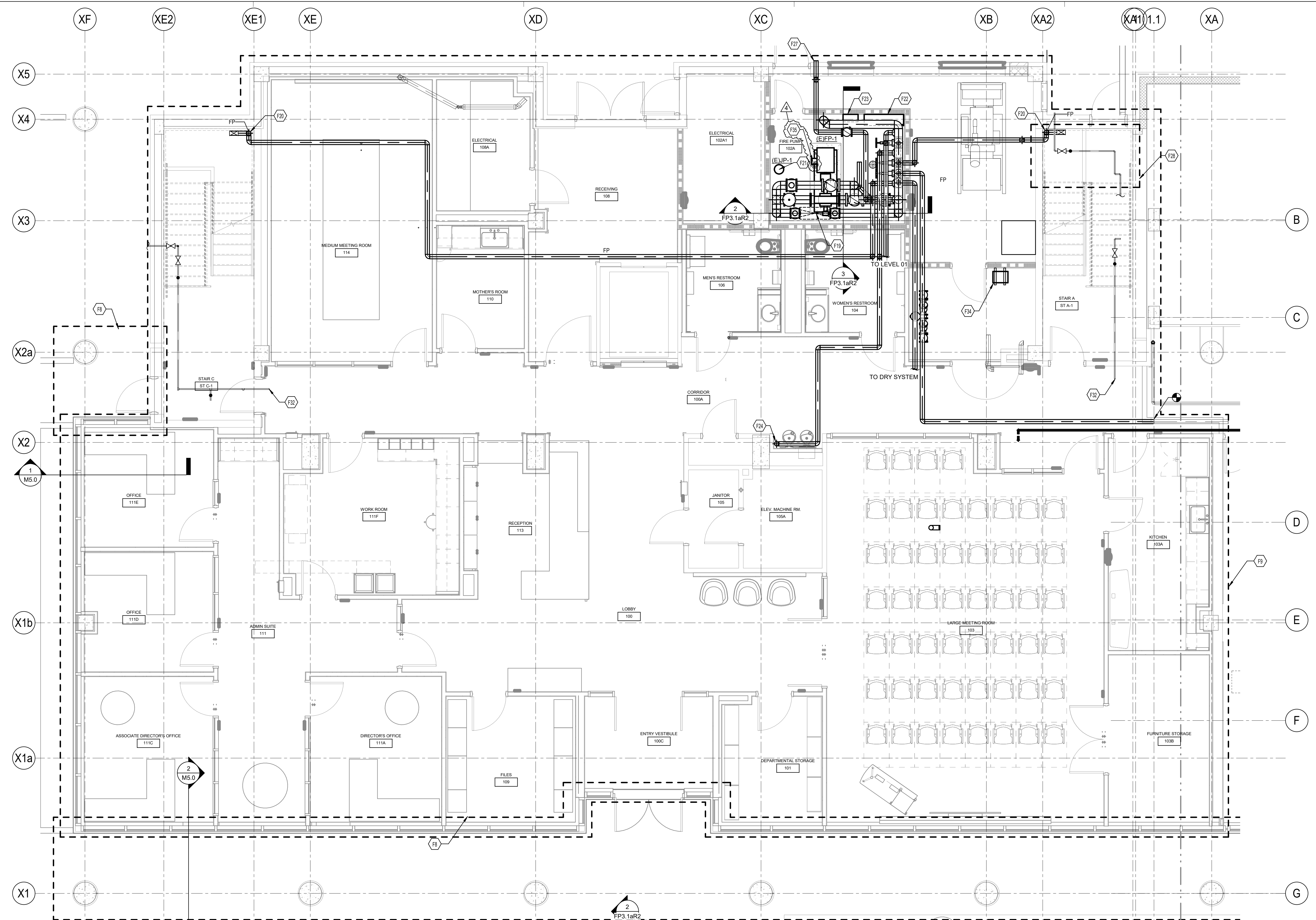
DATE **01/25/2023**
100% CONSTRUCTION DOCUMENTS

REVISIONS		
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▲	ADDENDUM 2	02/17/23
▲	ADDENDUM 3	02/21/23
▲	ADDENDUM 4	03/07/23

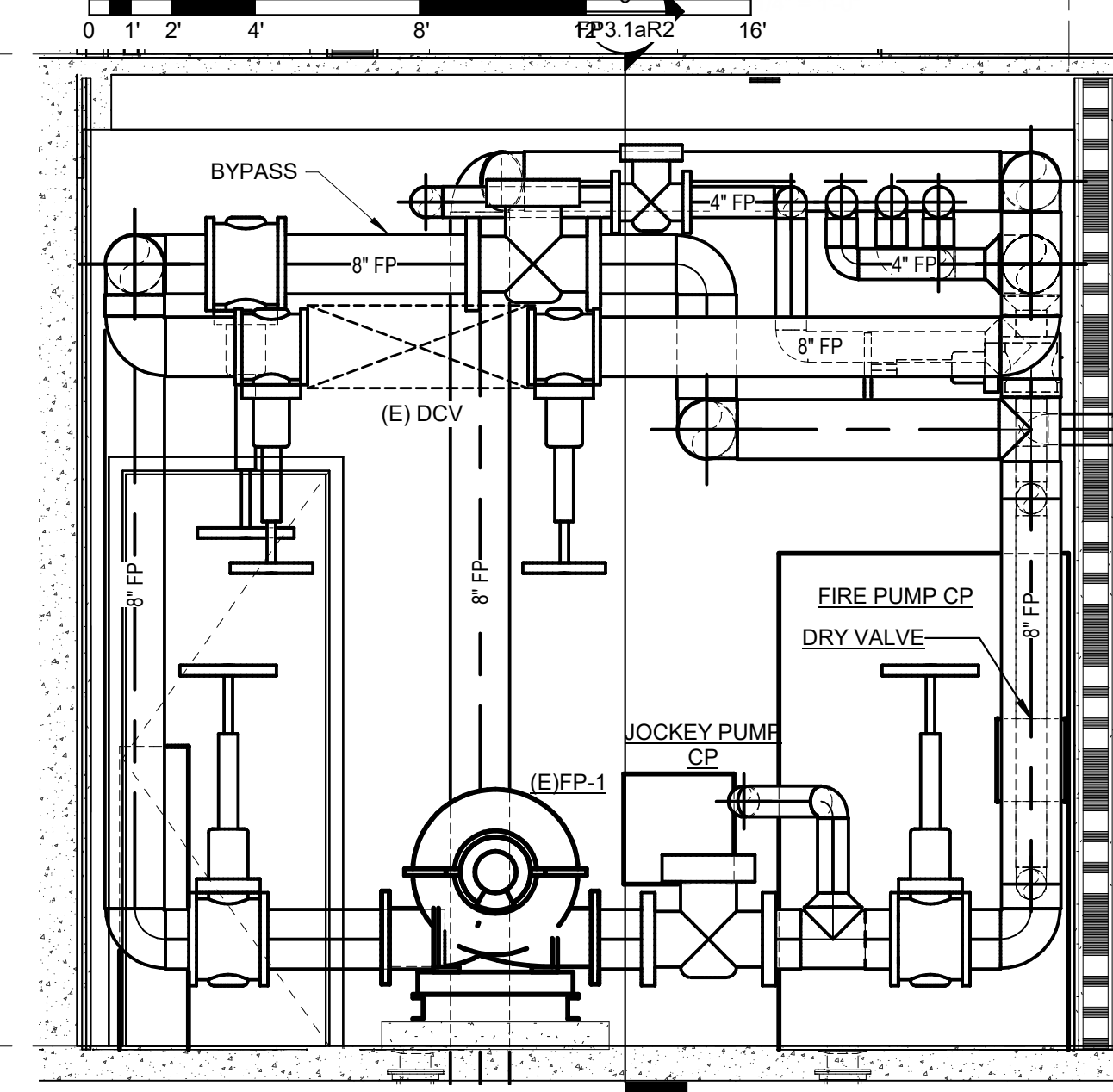
LEVEL 01 FIRE PROTECTION PLAN

FP3.1aR2

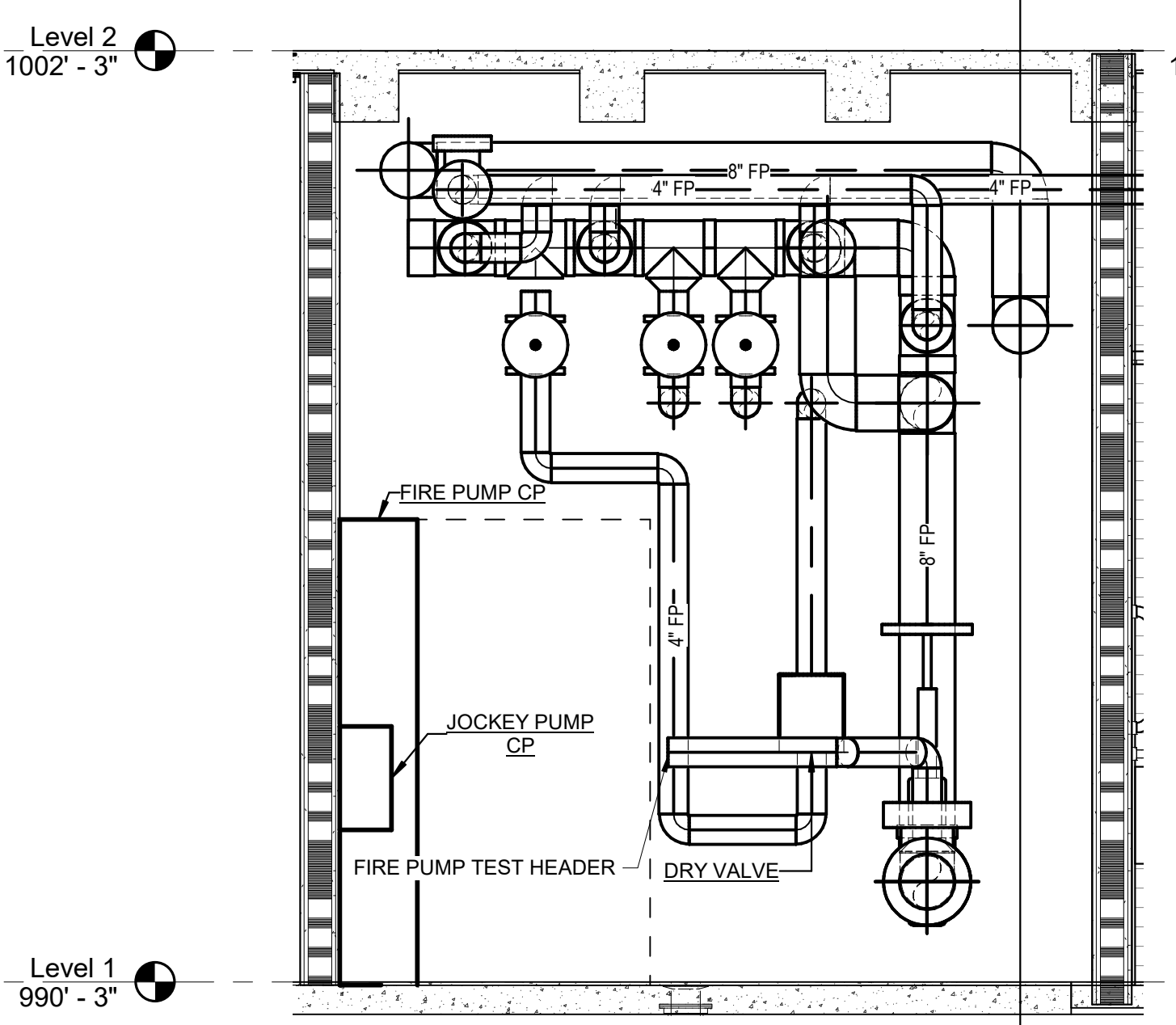
- TAGGED NOTES**
- F8 PROVIDE DRY SPRINKLER SYSTEM IN THE 2ND LEVEL OVERHANG.
 - F9 PROVIDE NFPA13 AND NFPA14 COMPLIANT SPRINKLER AND STANDPIPE FIRE PROTECTION SYSTEM.
 - F19 REINSTALL SALVAGED BACKFLOW DEVICE. PROVIDE MOUNTING STAND.
 - F20 PROVIDE NEW STANDPIPE AND CONNECT TO FIREPUMP.
 - F21 REINSTALL 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 HEADS.
 - 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 FABRICATED IN A MANNER THAT PROTECTS AIR COMPRESSOR FROM FLOOR SWINGS.
 - F35 POUR NEW FIRE PUMP PAD AROUND EXISTING FLOOR DRAIN. FLOOR DRAIN TO REMAIN FUNCTIONAL.



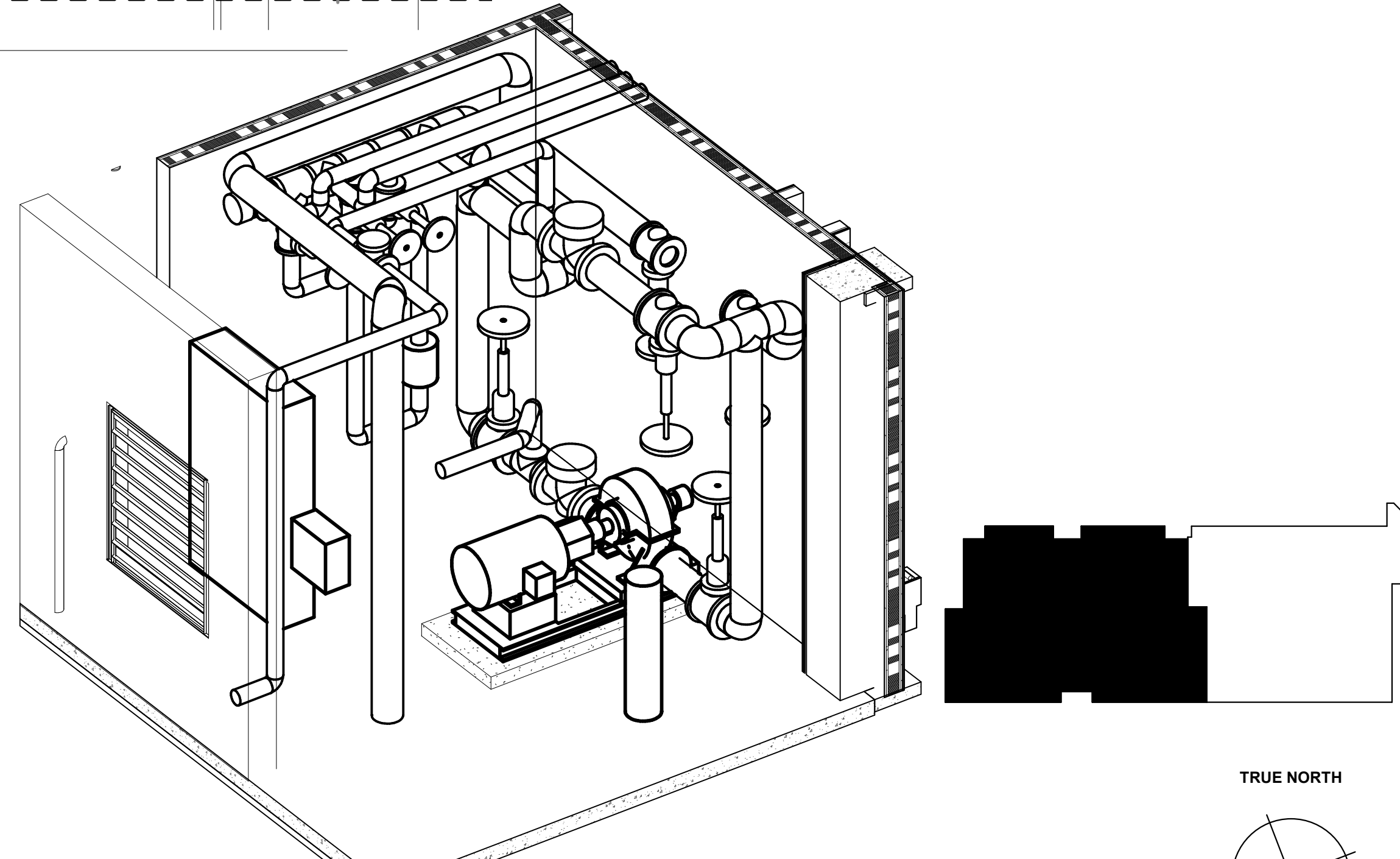
1 LEVEL 01 FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"



2 FIRE PUMP ROOM ELEVATION A
SCALE: 1/2" = 1'-0"

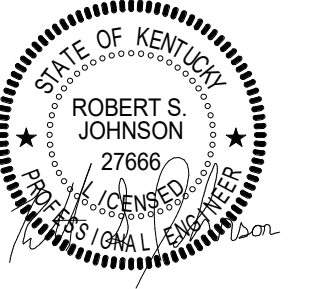


3 FIRE PUMP ROOM ELEVATION B
SCALE: 1/2" = 1'-0"



4 FIRE PUMP ISOMETRIC VIEW
SCALE: NONE

PRINT DATE: 3/7/2023 8:53:20 AM



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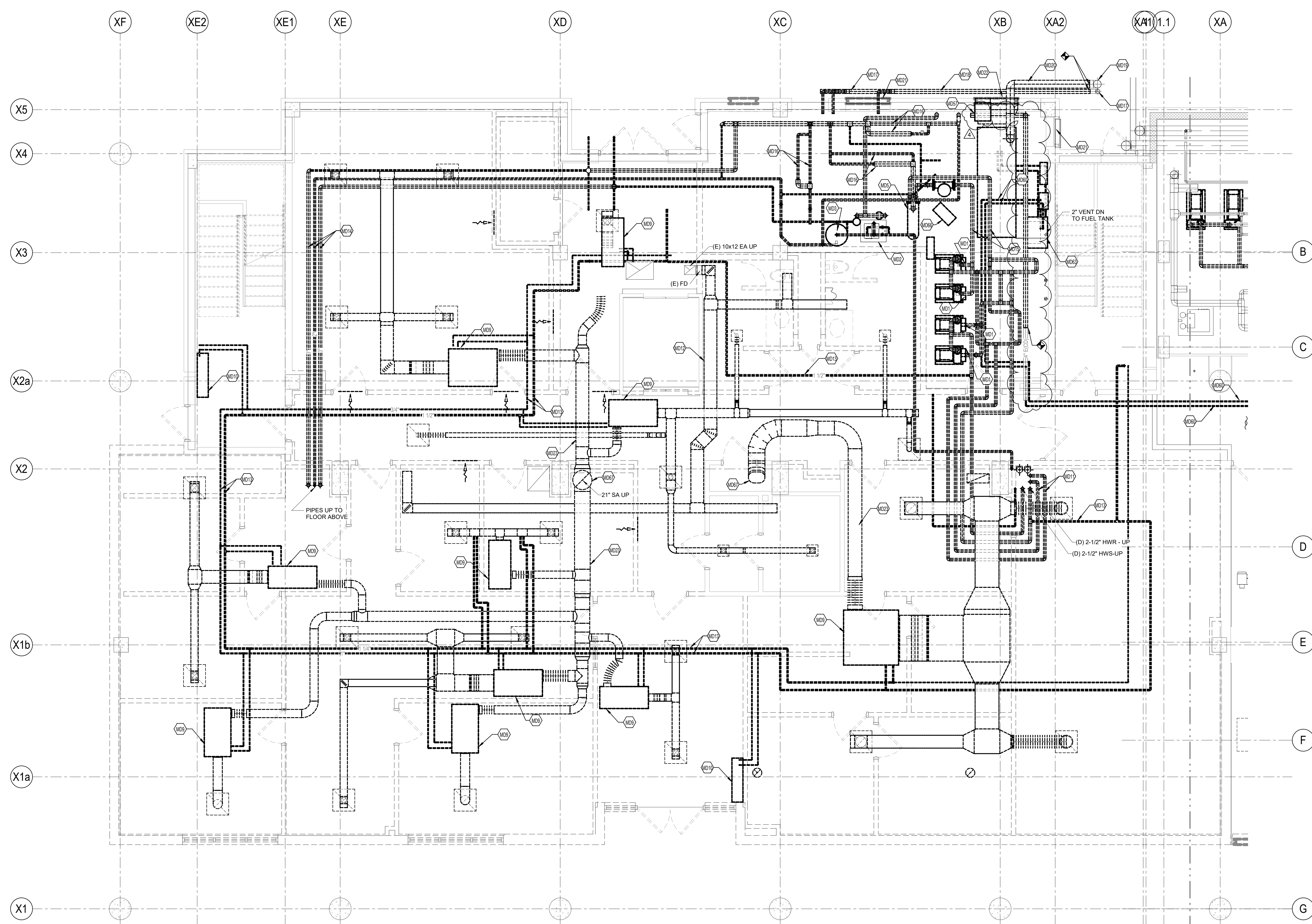
REVISIONS		
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▲	ADDENDUM 2	02/17/23
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▲	ADDENDUM 4	03/07/23

**LEVEL 01 MECHANICAL
DEMOLITION PLAN**

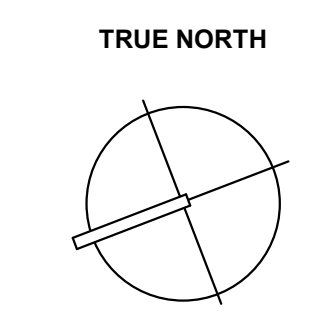
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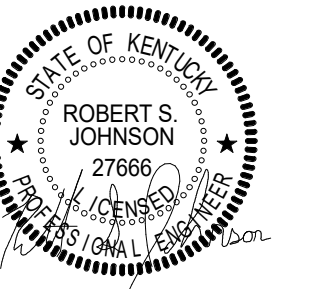
- MD1 DEMOLISH COMPLETE EXISTING HEATING WATER HYDRONIC PUMPS INCLUDING CONTROLS, PIPING, HYDRONIC SPECIALTIES, HANGERS, INSULATION AND ALL RELATED EQUIPMENT. DEMOLISH COMPLETE CONCRETE HOUSEKEEPING PAD.
- MD2 REMOVE AND STORE WITHOUT DAMAGE EXISTING DUPLEX CONDENSATE PUMP AND RECEIVER TANK. DEMOLISH COMPLETE ALL STEAM CONDENSATE PIPING RETURN PIPING AND PUMPED CONDENSATE PIPING. DEMOLISH PUMPED CONDENSATE PIPING FROM PUMP TO CONDENSATE METER. CONDENSATE METERS TO REMAIN.
- MD3 DEMOLISH COMPLETE EXISTING FLASH TANK AND ALL RELATED PIPING, VALVES AND FITTINGS. DEMOLISH ALL HANGERS, INSULATION AND ALL RELATED EQUIPMENT.
- MD5 DEMOLISH COMPLETE EXISTING STEAM TO WATER HEAT EXCHANGER INCLUDING STAND, STEAM AND HYDRONIC VALVES, PIPING, TRAPS AND ALL RELATED EQUIPMENT.
- MD9 DEMOLISH COMPLETE EXISTING AIR TERMINAL UNIT INCLUDING MEDIUM AND LOW PRESSURE DUCTS, AIR DEVICES, CONTROLLERS, THERMOSTATS, AND RELATED CONTROLS AIR TUBING AND ALL RELATED EQUIPMENT. DEMOLISH COMPLETE AIR HANGERS AND ALL APPURTENANCES.
- MD10 DEMOLISH COMPLETE FAN COIL, PIPING, CONTROLS, HANGERS, AND ALL RELATED EQUIPMENT.
- MD11 DEMOLISH COMPLETE EXISTING PENTHOUSE HEATING WATER RISERS FROM PUMPS TO 3RD FLOOR CEILING CAVITY. PREPARE RISER ABOVE 3RD FLOOR FOR RECONNECTION.
- MD12 DEMOLISH COMPLETE EXISTING EXHAUST DUCT INCLUDING AIR DEVICES, HANGERS, AND ALL RELATED EQUIPMENT. DEMOLISH BACK TO FIRE DAMPER. CLEAN AND INSPECT FIRE DAMPER.
- MD13 DEMOLISH COMPLETE EXISTING HEATING WATER PIPING INCLUDING ALL MAINS, BRANCHES, CONTROL VALVES, ISOLATOR VALVES, HYDRONIC SPECIALTIES, INSULATION, HANGERS, AND ALL RELATED EQUIPMENT.
- MD14 DEMOLISH COMPLETE MPS, MPR, AND LPR PIPING FROM MECHANICAL ROOM EQUIPMENT TO 3RD FLOOR CEILING. DEMOLISH COMPLETE INSULATION, HANGERS, AND ALL RELATED EQUIPMENT. PREPARE PIPING TO 4TH FLOOR FOR FUTURE RECONNECTION.
- MD15 DEMOLISH COMPLETE HEATING WATER DISTRIBUTION PIPING WITHIN THE MECHANICAL ROOM INCLUDING AIR SEPARATOR, VALVES, HANGERS, AND ALL RELATED EQUIPMENT.
- MD16 DEMOLISH COMPLETE EXISTING STEAM PRESSURE REDUCING STATION INCLUDING VALVES, STRAINERS, PIPING, FITTINGS, SAFETY VALVES, VAT, AND ALL RELATED EQUIPMENT.
- MD17 REFER TO GENERATOR ALTERNATE. IF GENERATOR ALTERNATE IS ACCEPTED, DEMOLISH EXISTING PRESSURE REDUCING STATION SAFETY VALVE DISCHARGE PIPES COMPLETE FROM SAFETY VALVE THROUGH CHASE AND THROUGH ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR ENVELOPE PATCHING.
- MD18 BASE BID: DEMOLISH COMPLETE EXISTING PRESSURE REDUCING STATION SAFETY VALVE DISCHARGE PIPES FROM SAFETY VALVE TO BENEATH EXTERIOR CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR ENVELOPE PATCHING.
- MD19 REFER TO GENERATOR ALTERNATE. IF GENERATOR ALTERNATE IS ACCEPTED, DEMOLISH COMPLETE DEMOLISHED GENERATOR EXHAUST PIPE FROM GENERATOR UP THROUGH CHASE AND THROUGH ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR ENVELOPE PATCHING.
- MD20 BASE BID: DEMOLISH COMPLETE DEMOLISHED GENERATOR MUFFLER EXHAUST PIPE FROM GENERATOR TO BENEATH EXTERIOR CEILING. PREPARE PIPE FOR RECONNECTION.
- MD21 DEMOLISH COMPLETE EXISTING MOTORIZED DAMPER INCLUDING PNEUMATIC ACTUATOR, CONTROLS TUBING, AND ALL MOUNTING HARDWARE. LOUVER TO REMAIN.
- MD22 DEMOLISH COMPLETE EXISTING GENERATOR EXHAUST LOUVER, MOTORIZED DAMPER, DUCTS, PNEUMATIC ACTUATOR, AND ALL RELATED CONTROLS TUBING. DEMOLISH OPENING FOR NEW LOUVER.
- MD23 DEMOLISH COMPLETE EXISTING PRESSURE SUPPLY DUCT MAINS AND RISERS FROM CEILING CAVITY TO 3RD FLOOR CEILING CAVITY.
- MD24 DEMOLISH COMPLETE ABANDONED CHILLED WATER PIPES FROM 1ST FLOOR CEILING TO 3RD FLOOR CEILING. REMOVE COMPLETELY ALL INSULATION, HANGERS, VALVES, CONNECTORS, AND RELATED EQUIPMENT.
- MD57 DEMOLISH COMPLETE EXISTING FAN, LOUVER, DAMPER, CONTROLS, AND ALL RELATED EQUIPMENT.
- MD60 BID ALTERNATE #1: DEMOLISH COMPLETE EXISTING FUEL OIL SUPPLY AND RETURN PIPING, FUEL OIL PUMP, AND REMOTE FUEL OIL SUPPLY AND RETURN PIPING INCLUDING ALL FITTINGS, HANGERS, VALVES, PUMPS AND RELATED EQUIPMENT. PIPES REMAIN IN PLACE IF BID ALTERNATE #2 IS NOT ACCEPTED. CONNECT EXISTING PIPES TO NEW DT-1.
- MD63 DEMOLISH COMPLETE EXISTING FUEL OIL STORAGE TANK INCLUDING OUTER CONTAINMENT SHELL. DEMOLISH FUEL OIL SUPPLY AND RETURN PIPING TO GENERATOR. DEMOLISH REMOTE FUEL TRANSFER SUPPLY AND RETURN OIL PIPING. COORDINATE EXTENT OF THIS DEMOLITION WITH NEW FUEL OIL STORAGE TANK. COORDINATE EXTENT AND DISCONNECT/DEMOLISH STORAGE TANK VENT FOR FUTURE CONNECTION TO NEW STORAGE TANK.
- MD66 DEMOLISH COMPLETE EXISTING STEAM HEATERS, PIPING, VALVES, CONTROLS, CONTROLS TUBING AND ALL RELATED EQUIPMENT.
- MD67 DEMOLISH COMPLETE EXISTING INTERNALLY LINED SUPPLY AIR DUCT RISER FROM 1ST LEVEL TO AHU IN PENTHOUSE.



1 LEVEL 01 MECHANICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"
0 2 4 8 12 16'



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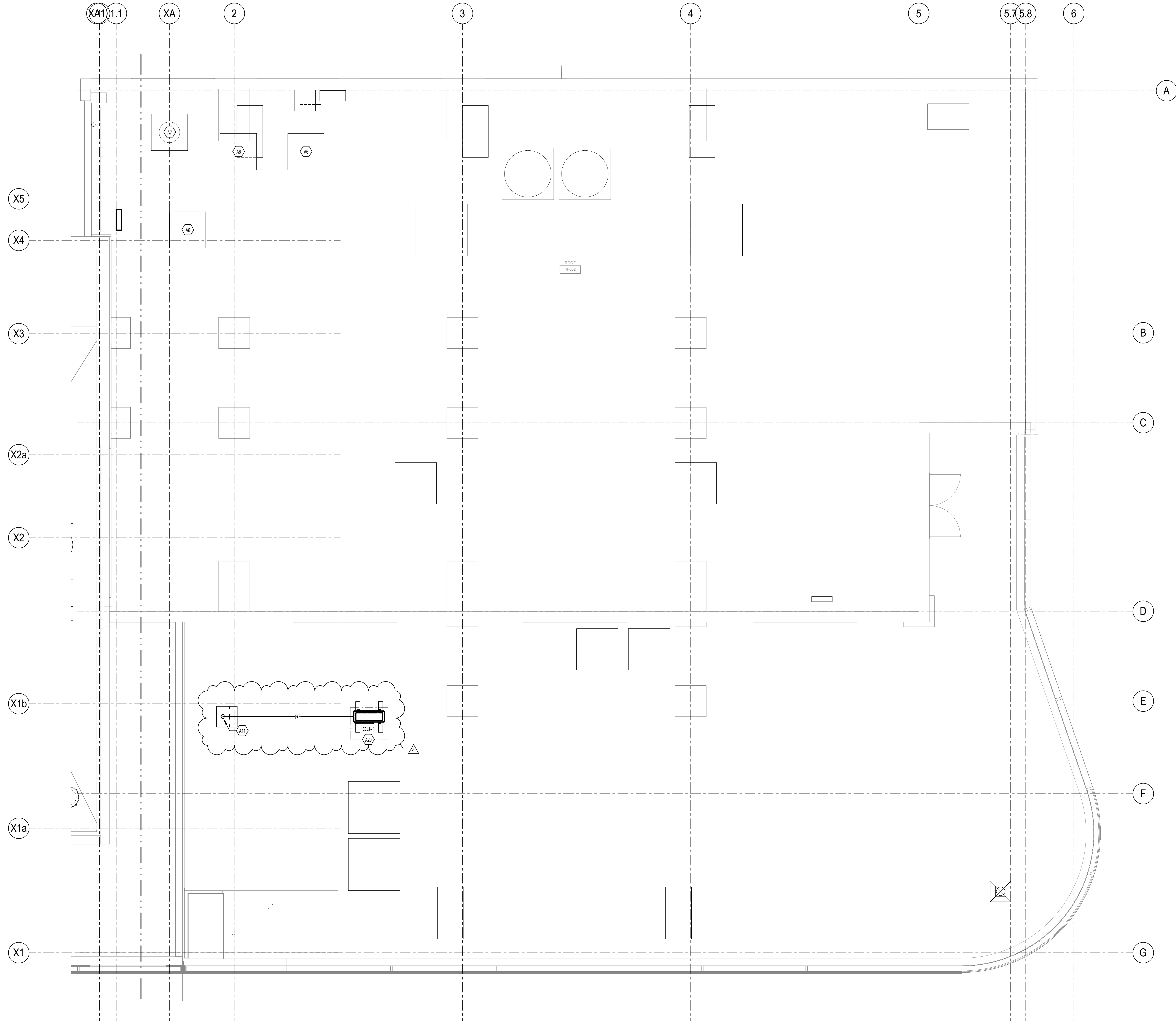
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▲	ADDENDUM 2 02/17/23
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▲	ADDENDUM 4 03/07/23

**ROOF AIR DISTRIBUTION
PLAN**

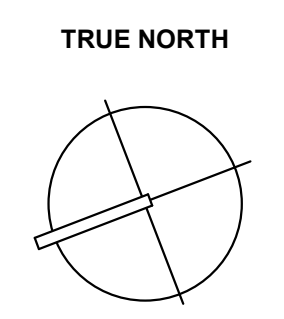
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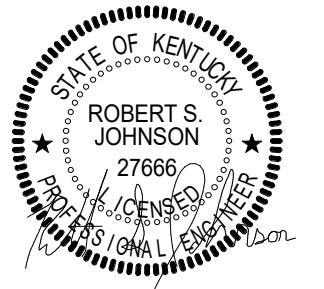
- A6 EXISTING ROOFTOP CONDENSING UNIT TO REMAIN
- A7 EXISTING ROOFTOP EXHAUST FAN/BACK TO REMAIN
- A11 REFRIGERANT PIPING (SUCTION AND LIQUID) DOWN THROUGH ROOF. ALL REFRIGERANT PIPE SIZING AND ROUTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ROOF PIPING PENETRATION PER DETAIL ON SHEET M6.1. PROVIDE DURA-BLOK ROOFTOP PIPING SUPPORTS FOR REFRIGERANT PIPING ROUTED ACROSS ROOF.
- A20 PROVIDE SPLIT SYSTEM OUTDOOR UNIT ON EQUIPMENT RAILS. RAILS SHALL PROVIDE AT LEAST 18" BETWEEN ROOF SURFACE AND UNDERSIDE OF EQUIPMENT.



**ROOF AIR DISTRIBUTION NEW WORK PLAN -
CENTER ON AGING**



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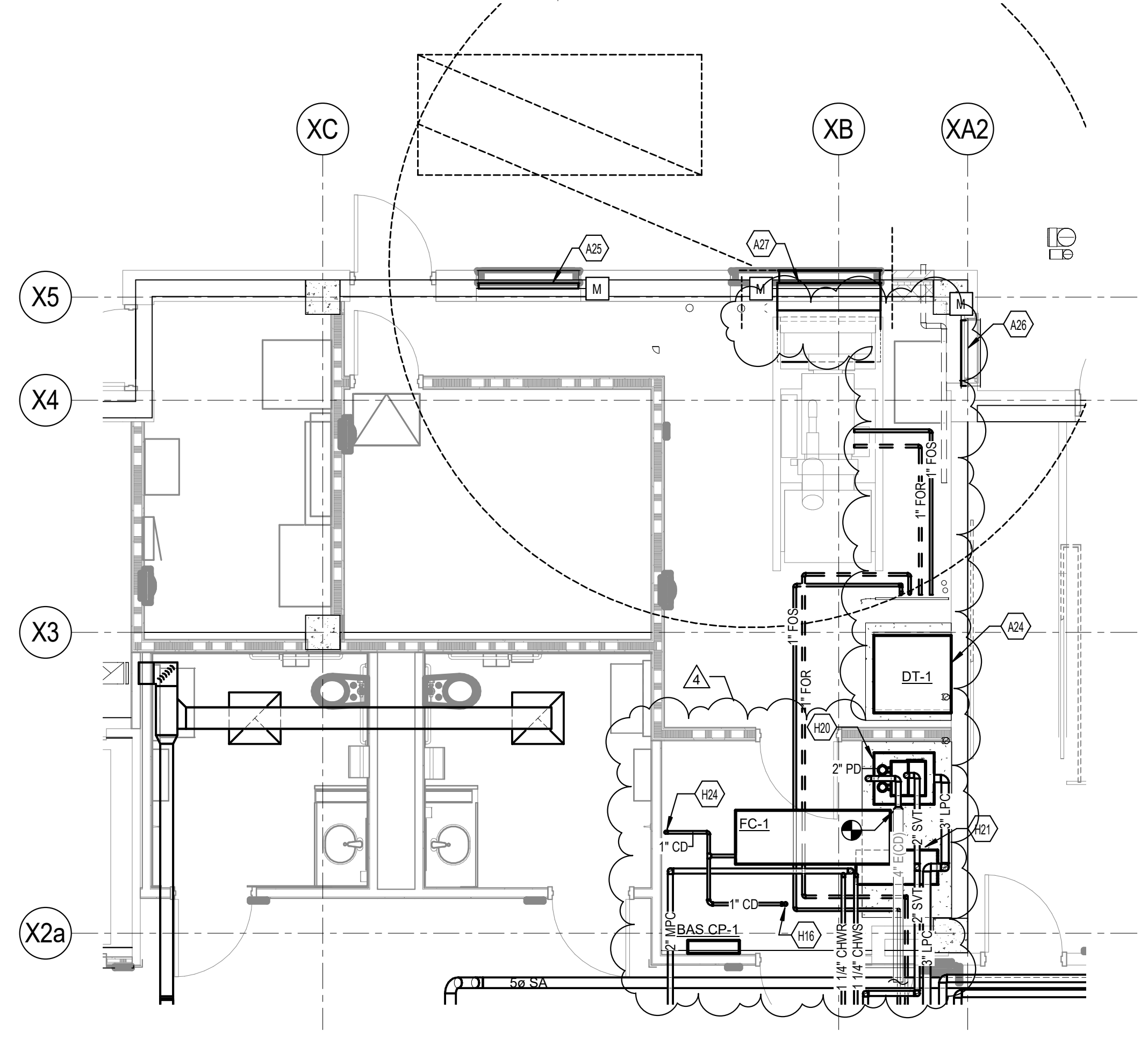
REVISIONS	DATE
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▲ ADDENDUM 2	02/17/23
▲ ADDENDUM 3	02/21/23
▲ ADDENDUM 4	03/07/23

ENLARGED MECHANICAL ROOM PLAN

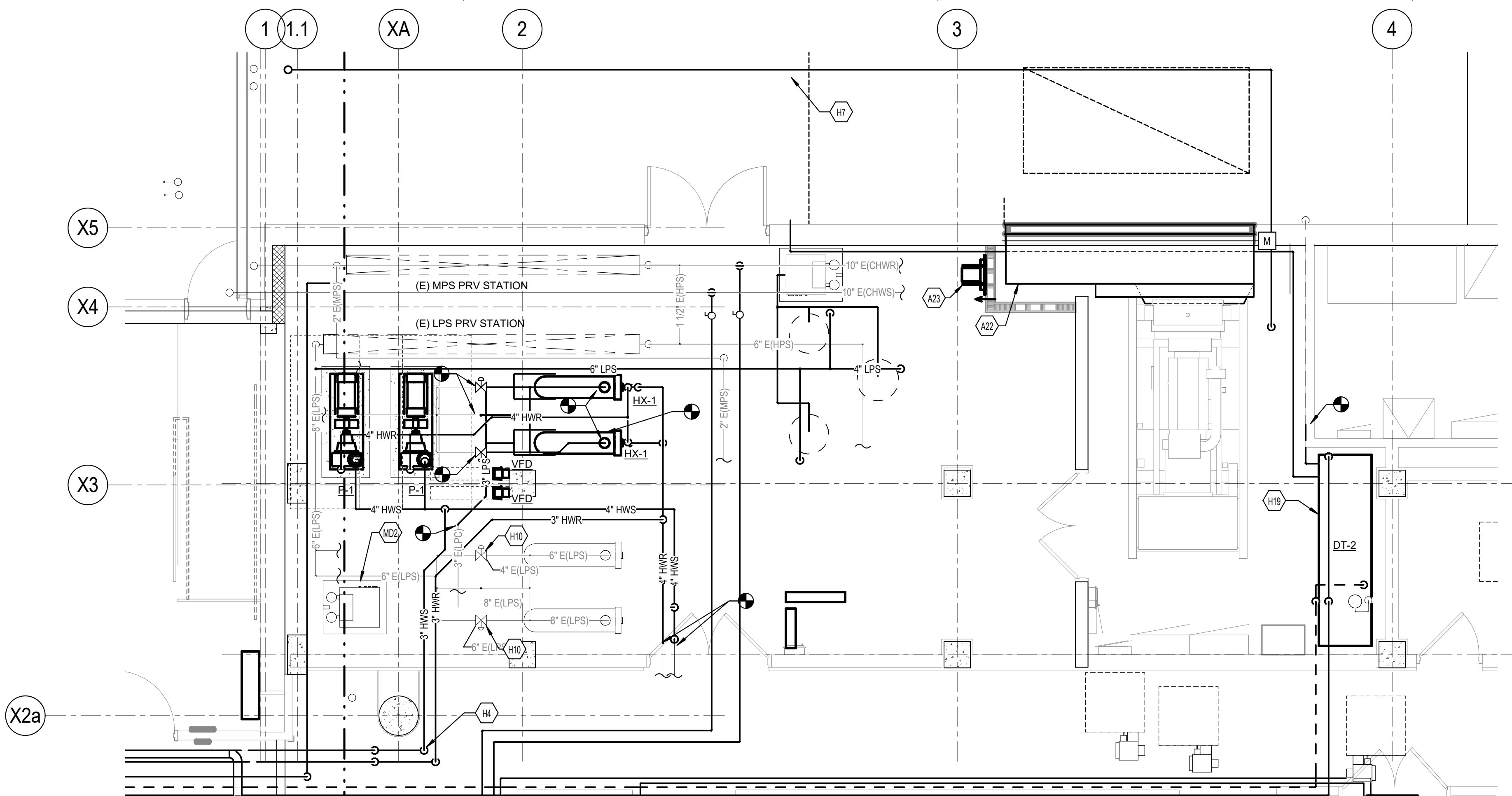
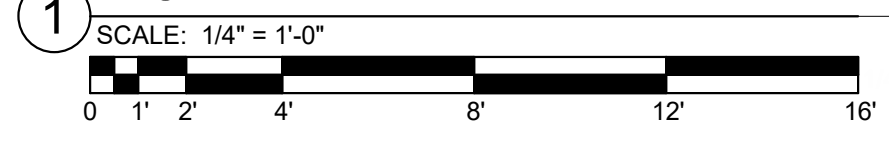
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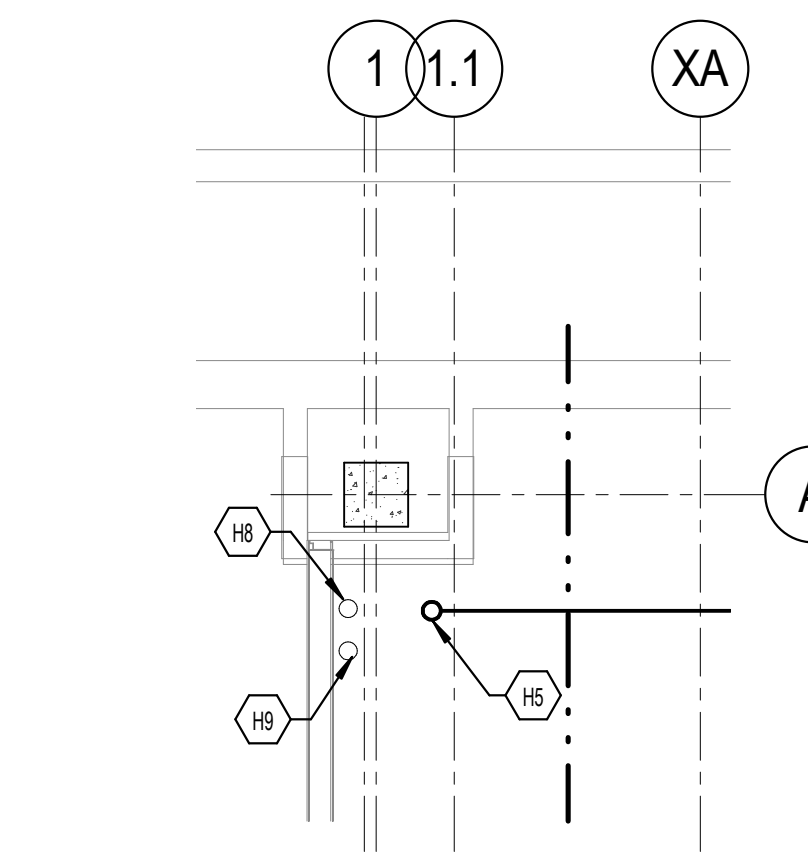
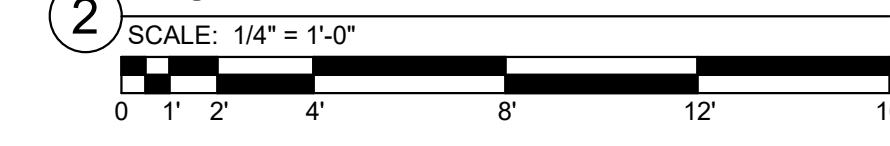
- A22 BID ALTERNATE #2: PROVIDE NEW COMPARTMENTED PLENUM FOR GENERATOR COOLING AND INTAKE AIR. TOP HALF SHALL BE MAKEUP AIR, BOTTOM HALF SHALL BE COOLING AIR. PROVIDE MOTORIZED DAMPER ON MAIN LOUVER.
- A23 BID ALTERNATE #2: REINSTALL SALVAGED FAN ON NEW WALL AND PLENUM. RECONNECT TO BAS.
- A24 PROVIDE NEW FUEL TANK ON HOUSEKEEPING PAD. PROVIDE FUEL SUPPLY AND RETURN PIPING FROM TANK TO NEW GENERATOR. CONNECT EXISTING VENT TO TANK.
- A25 PROVIDE NEW MOTORIZED DAMPER FOR EXISTING 48" x 48" LOUVER. DAMPER SHALL BE NORMALLY CLOSED AND OPEN UPON GENERATOR ACTIVATION.
- A26 PROVIDE NEW MOTORIZED DAMPER FOR EXISTING 32" x 36" LOUVER. DAMPER SHALL BE NORMALLY CLOSED AND OPEN UPON GENERATOR ACTIVATION.
- A27 PROVIDE NEW MOTORIZED DAMPER FOR REPLACED 48" x 36" LOUVER. DAMPER SHALL BE NORMALLY CLOSED AND OPEN UPON GENERATOR ACTIVATION. PROVIDE DUCT FITTING FROM LOUVER OPENING TO GENERATOR RADIATOR SHROUD.
- H4 REFER TO SHEET M4.0 FOR CONTINUATION.
- H5 BID ALTERNATE #2: PROVIDE 12" GENERATOR MUFFLER EXHAUST PIPE IN PLACE OF DEMOLISHED 10" EXHAUST PIPE. ENLARGE EXISTING OPENINGS AS REQUIRED.
- H6 BID ALTERNATE #2: PROVIDE 12" GENERATOR MUFFLER EXHAUST PIPE THROUGH ROOF. PATCH AND REPAIR ROOF. TERMINATE PIPE WITH 90 DEG BEND. TAPER PIPE CUT TO NOT COLLECT WATER.
- H7 BID ALTERNATE #2: PROVIDE NEW 12" GENERATOR MUFFLER EXHAUST PIPE. ROUTE IN PLACE OF DEMOLISHED. PATCH AND REPAIR EXTERIOR ROOF. REFER TO ARCHITECTURAL.
- H8 BID ALTERNATE #2: IF BID ALTERNATE #2 IS ACCEPTED, DEMOLISH VERTICAL PORTION OF SAFETY RELIEF VENT DEMOLISHED IN BASE BID.
- H9 BID ALTERNATE #2: IF BID ALTERNATE #2 IS ACCEPTED, DEMOLISH VERTICAL PORTION OF DEMOLISHED GENERATOR MUFFLER EXHAUST PIPE.
- H10 BID ALTERNATE #1: PROVIDE NEOSTEAM CONTROL VALVES WITH DDC ACTUATORS.
- H16 PROVIDE 1" CONDENSATE DRAIN PIPE FROM IT SPACES ABOVE AND TERMINATE AT EXISTING FLOOR DRAIN.
- H19 BID ALTERNATE #2: PROVIDE NEW CUSTOM SIZED 600 GALLON FUEL OIL TANK. REFER TO SCHEDULE FOR SPECIFIC FOOTPRINT LIMITATIONS. CONNECT EXISTING VENT TO TANK. COORDINATE ELEVATION OF GRAVITY REMOTE FILL PIPE AND APPARATUS.
- H20 REINSTALL SALVAGED CONDENSATE TANK AND DUPLEX PUMPS. PIPE DISCHARGE TO EXISTING PUMPED DISCHARGE PIPE TO REMAIN. EXISTING CONDENSATE METERS TO REMAIN.
- H21 PROVIDE FLASH TANK. REFER TO PIPING DETAIL.
- H24 SPILL CONDENSATE TO EXISTING FLOOR DRAIN. REFER TO SHEET P3.0A FOR FLOOR DRAIN LOCATIONS.
- MD2 REMOVE AND STORE WITHOUT DAMAGE EXISTING DUPLEX CONDENSATE PUMP AND RECEIVER TANK. DEMOLISH COMPLETE ALL STEAM CONDENSATE PIPING RETURN PIPING AND PUMPED CONDENSATE PIPING. DEMOLISH PUMPED CONDENSATE PIPING FROM PUMP TO CONDENSATE METER. CONDENSATE METERS TO REMAIN.



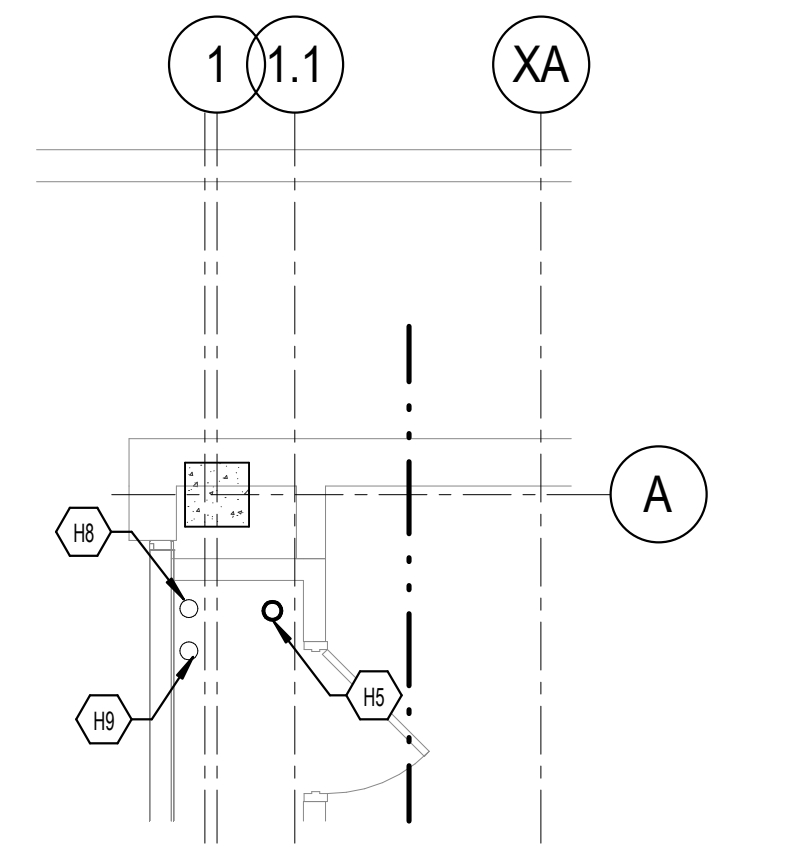
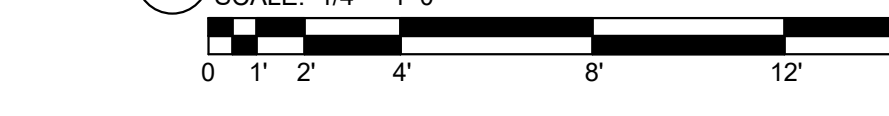
1979 MECHANICAL ROOM ENLARGED NEW WORK PLAN



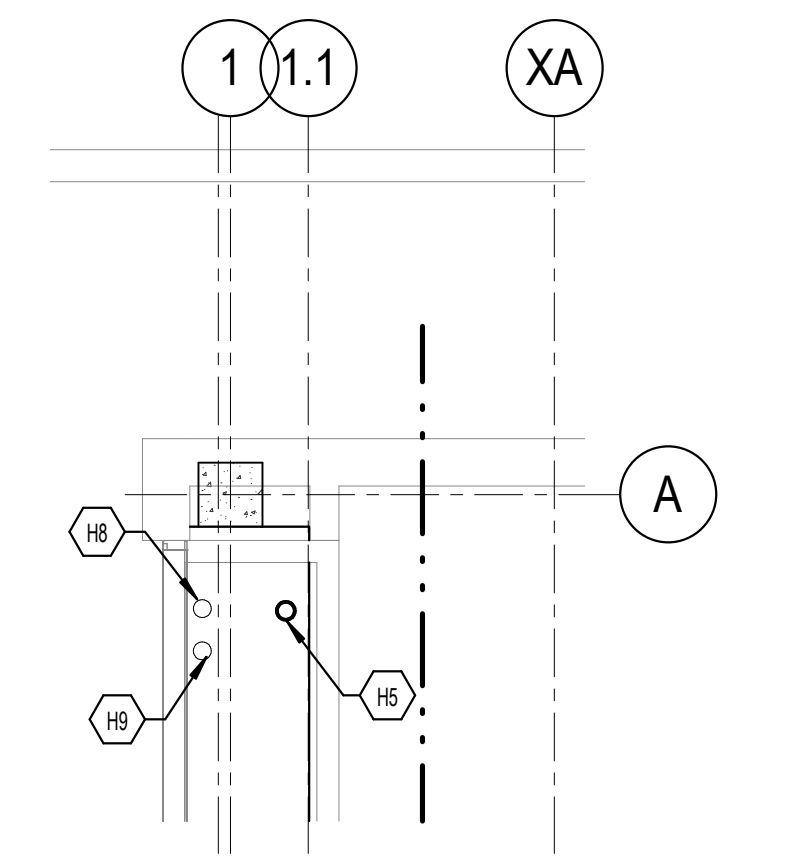
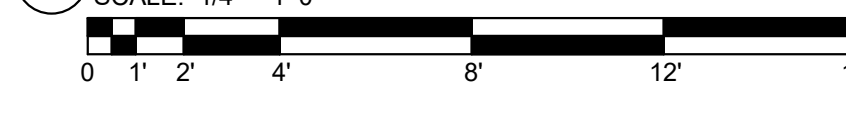
1996 MECHANICAL ROOM ENLARGED NEW WORK PLAN



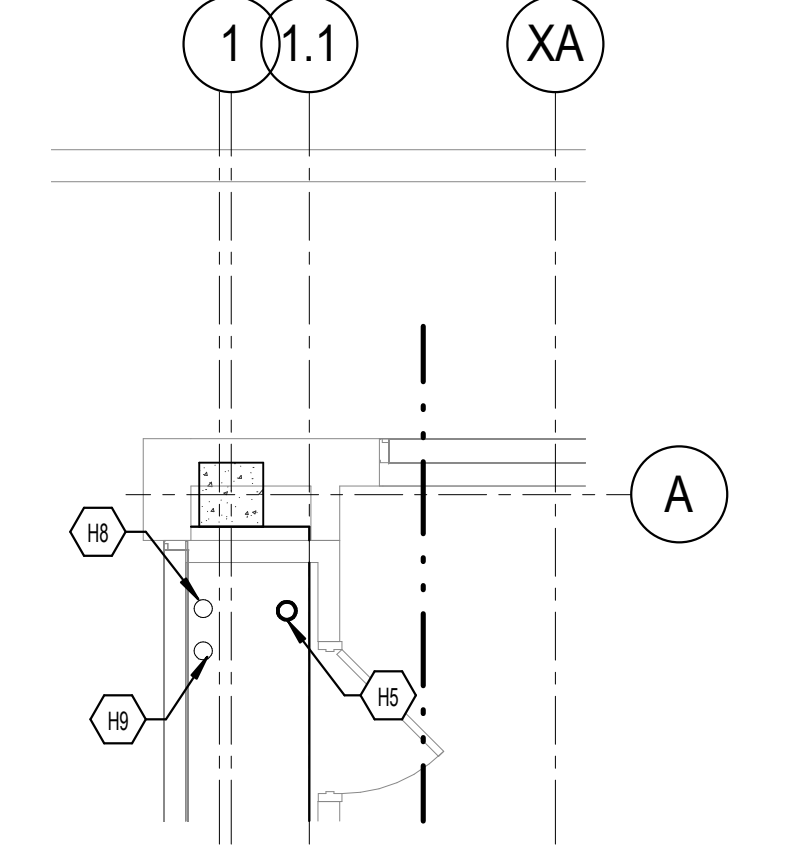
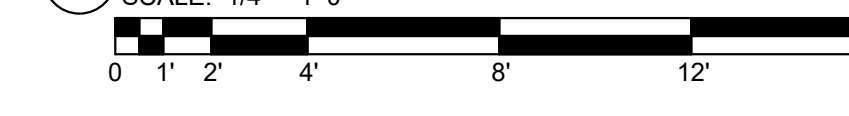
LEVEL ONE SHAFT ENLARGED VIEW



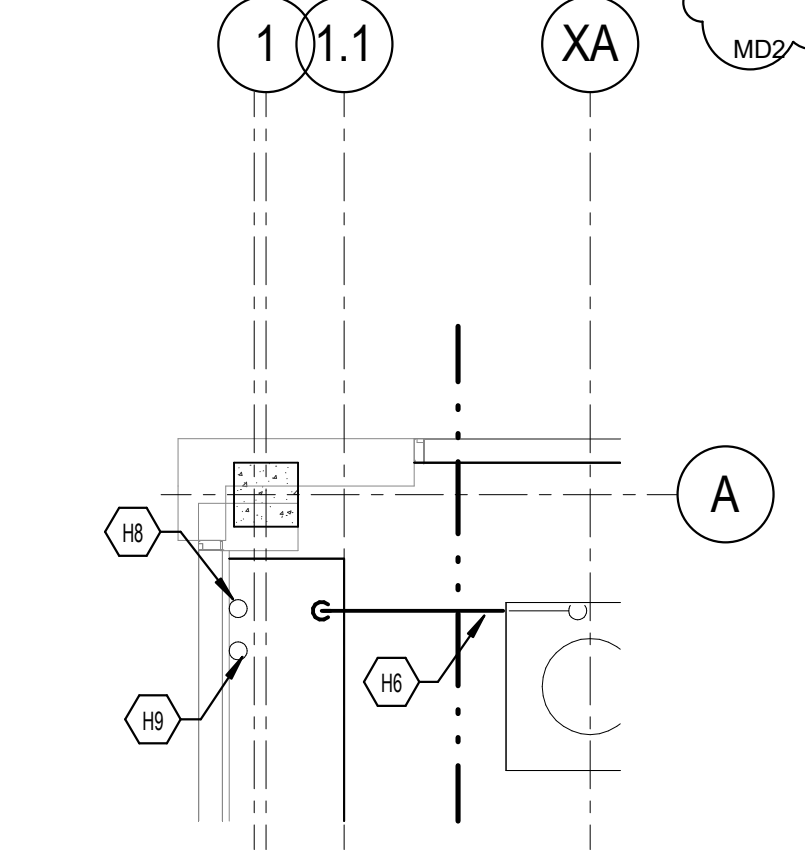
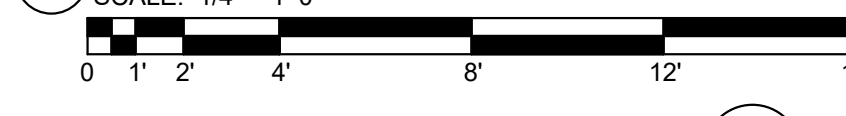
LEVEL TWO SHAFT ENLARGED VIEW



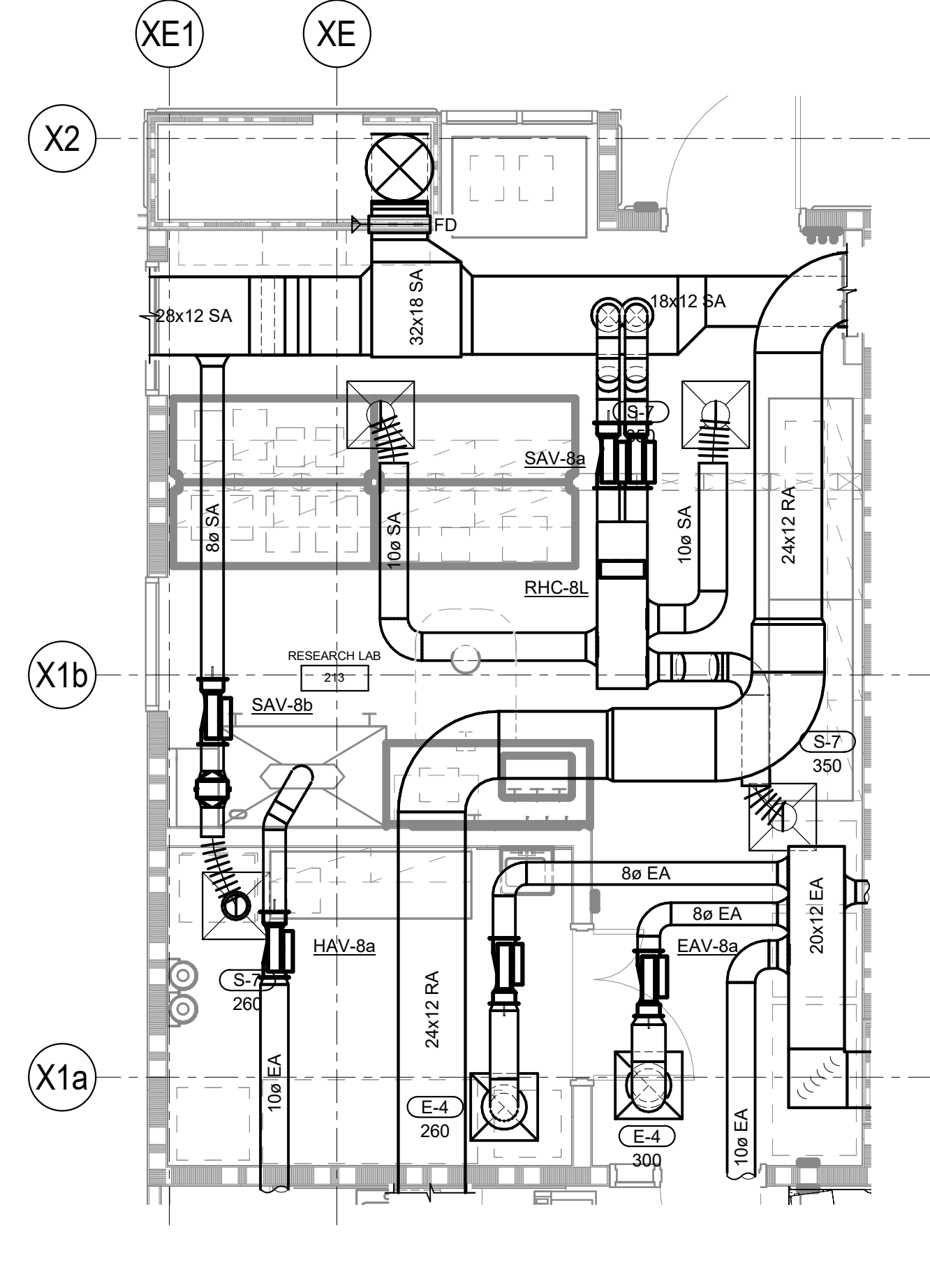
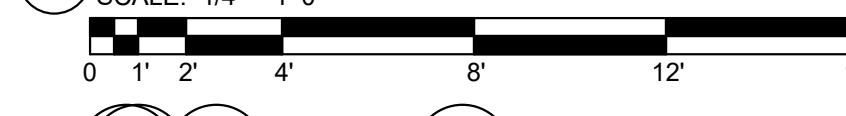
LEVEL THREE SHAFT ENLARGED VIEW



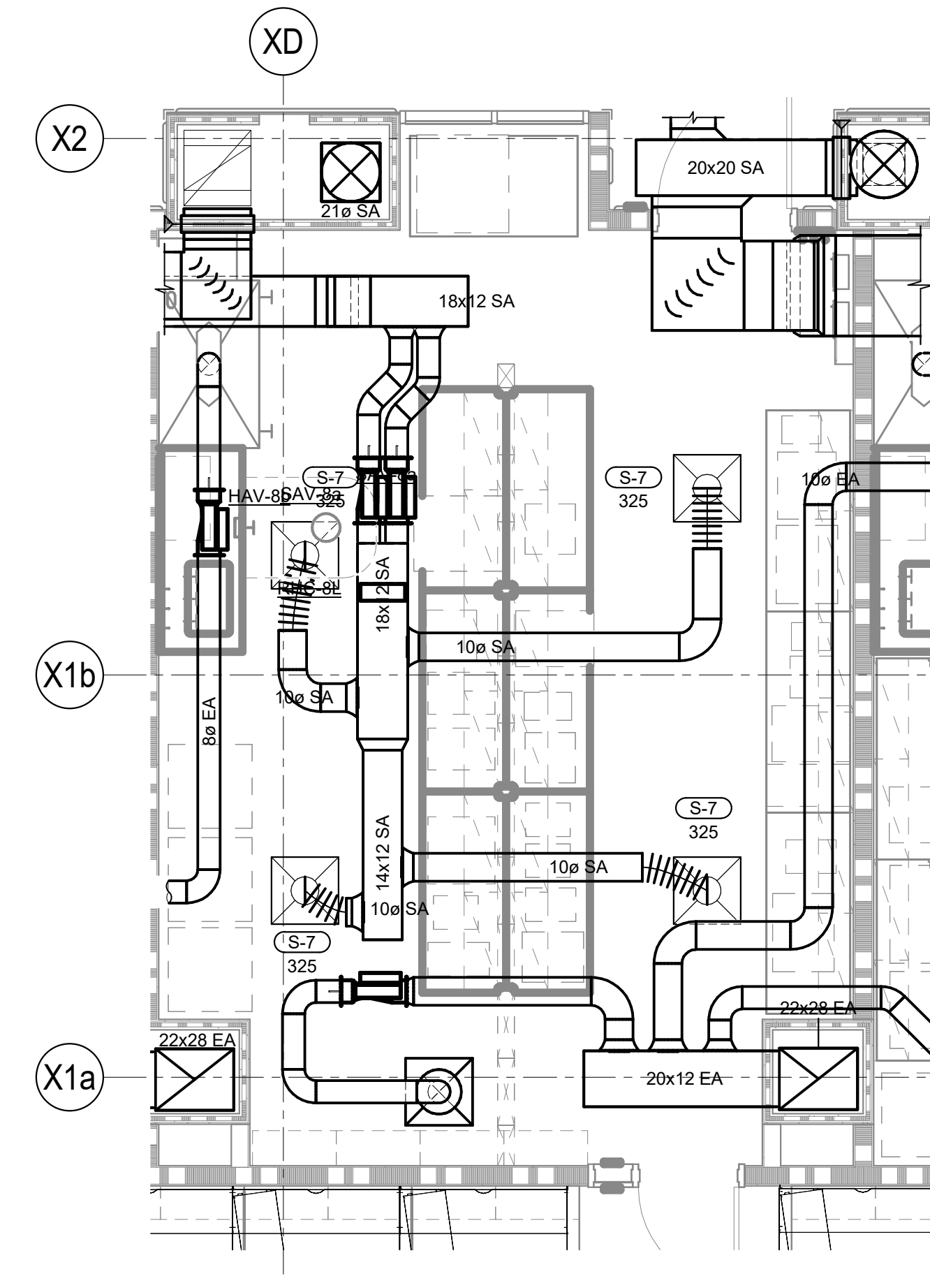
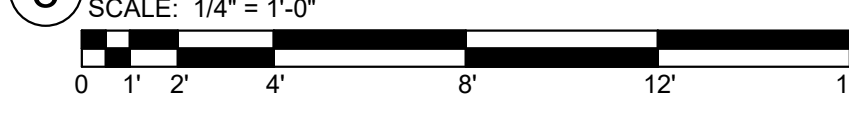
LEVEL FOUR SHAFT ENLARGED VIEW



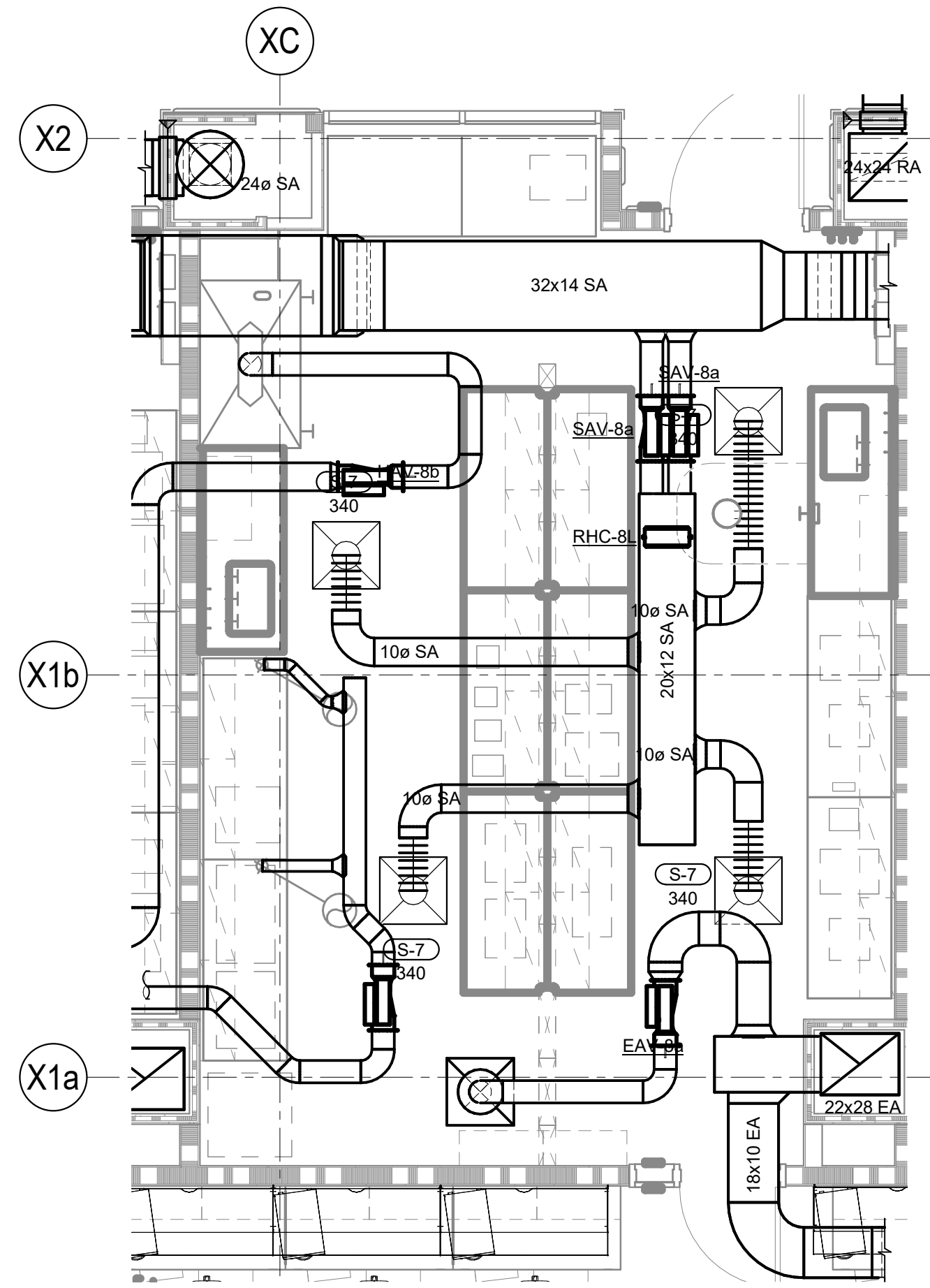
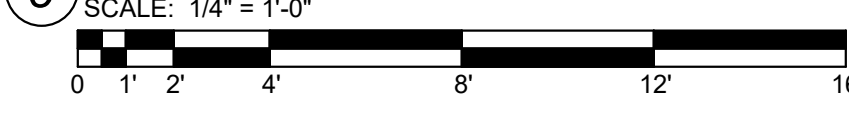
PENTHOUSE SHAFT ENLARGED VIEW



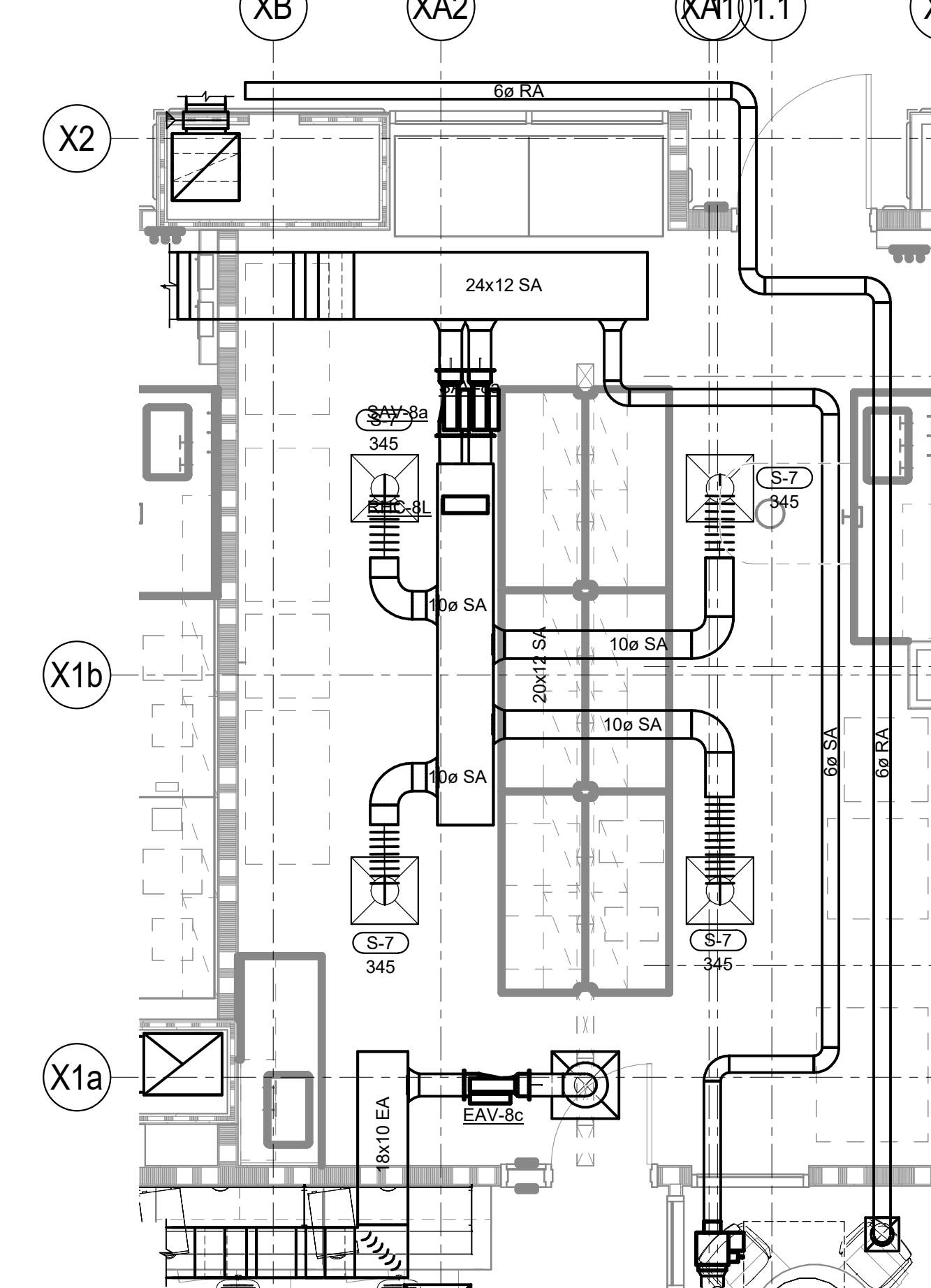
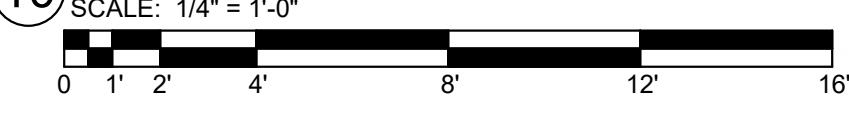
RESEARCH LAB 213 ENLARGED VIEW



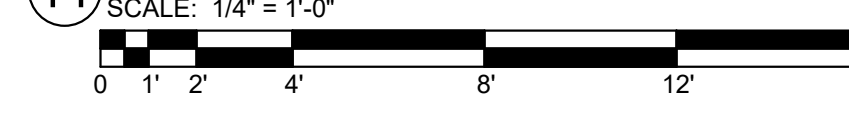
RESEARCH LAB 211 ENLARGED VIEW



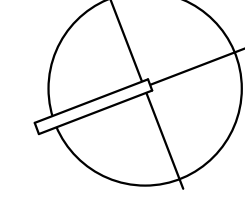
NEUROPATHOLOGY RESEARCH LAB 207 ENLARGED VIEW

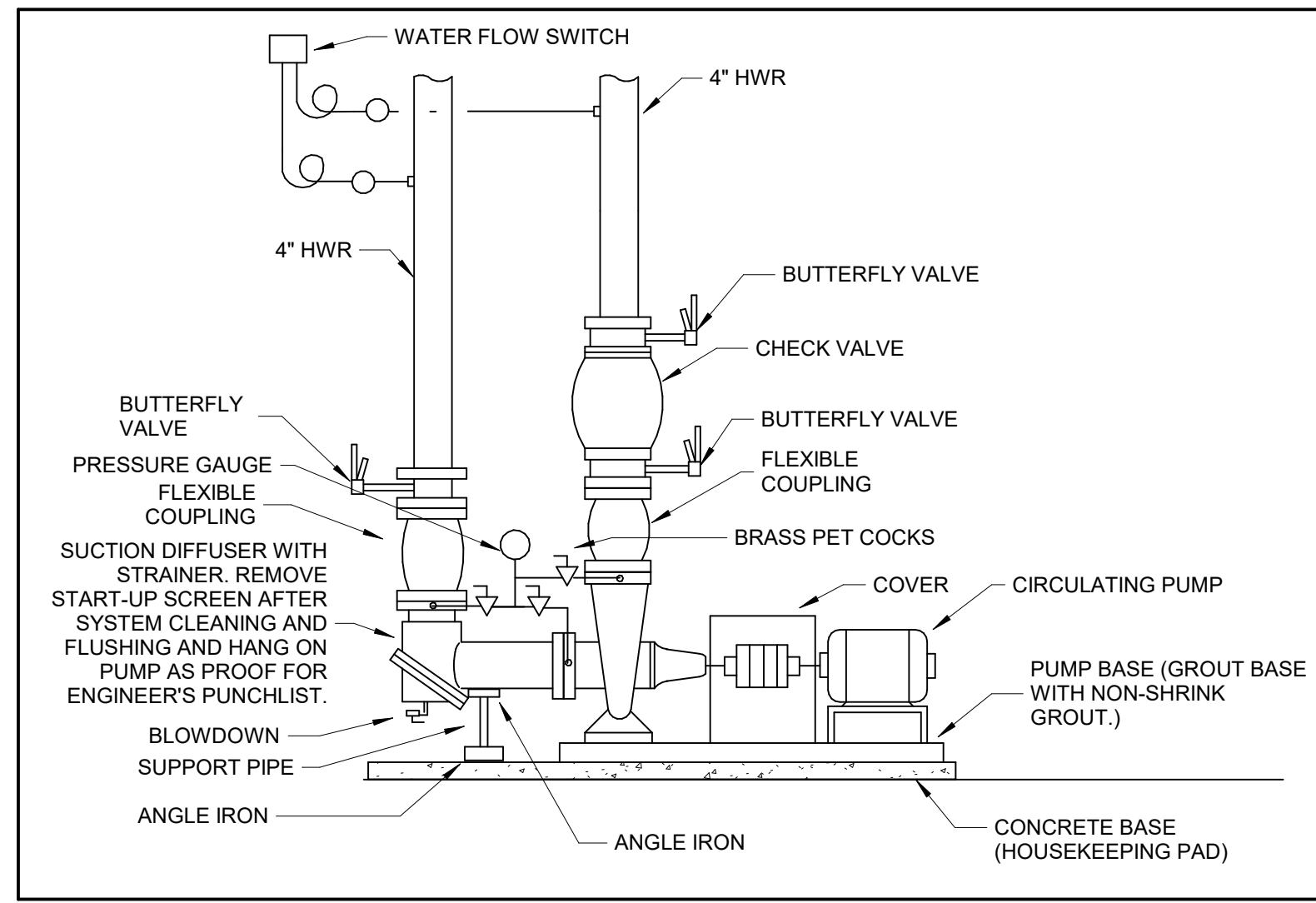


BIOMARKER RESEARCH LAB 201 ENLARGED VIEW

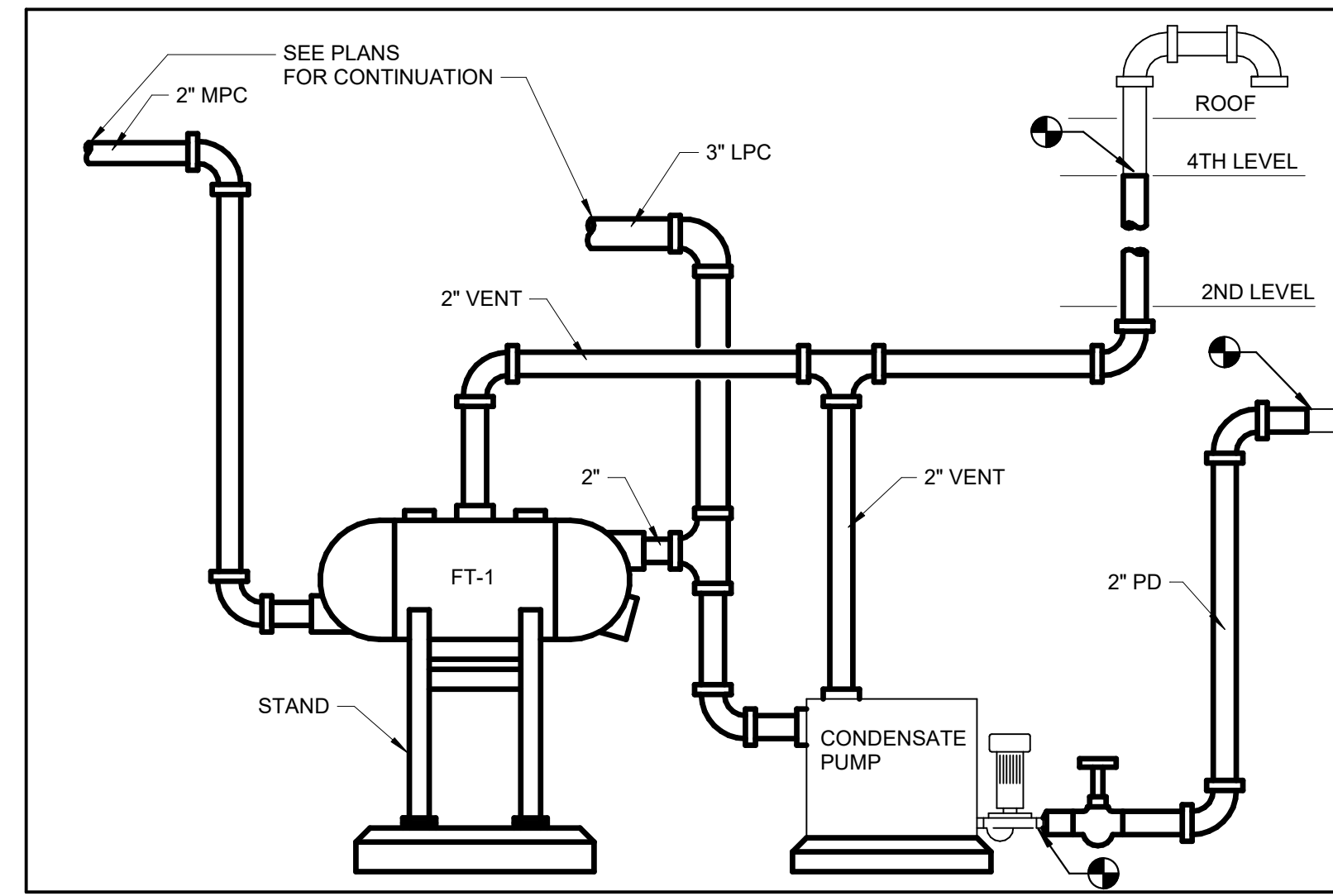


TRUE NORTH

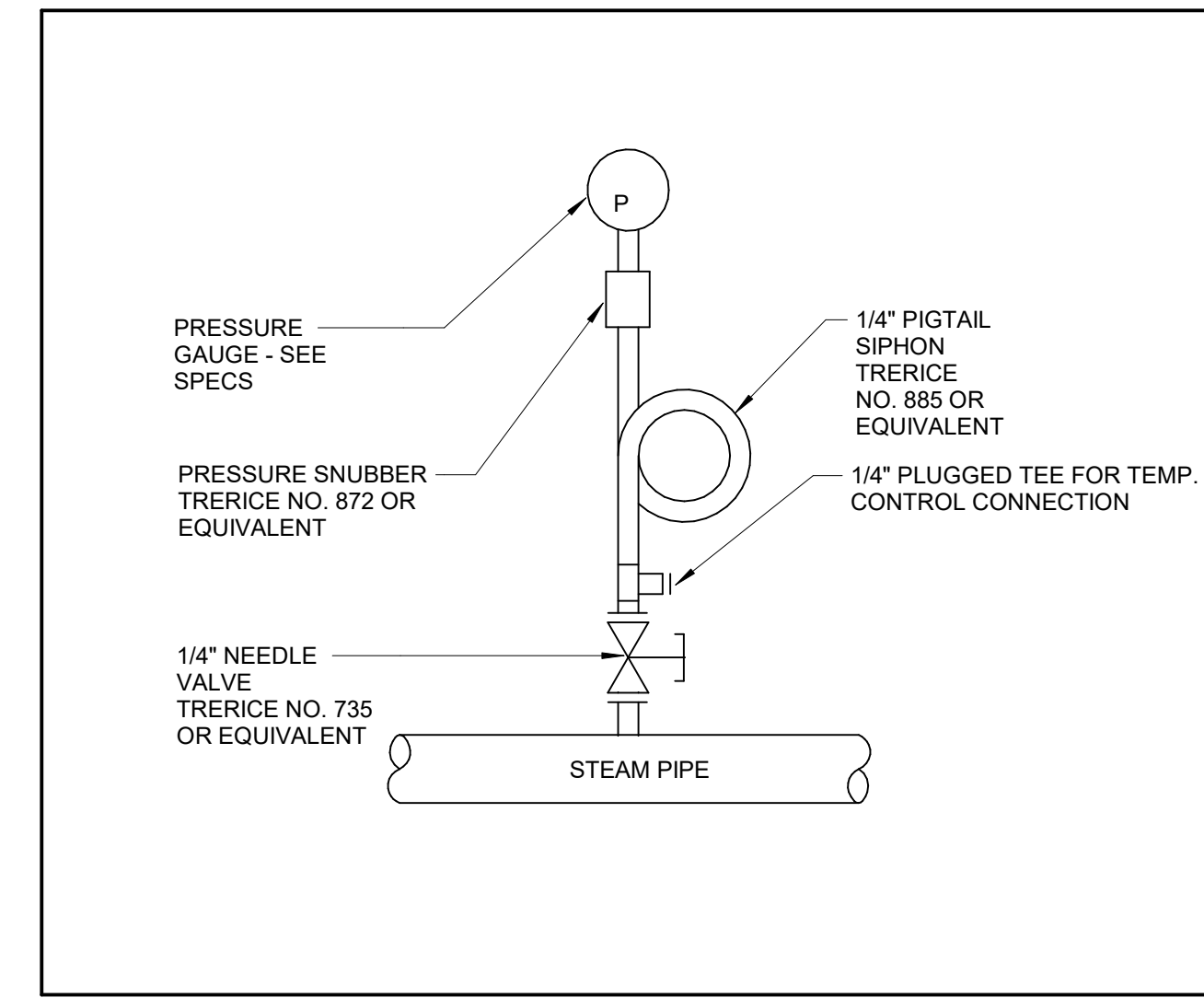




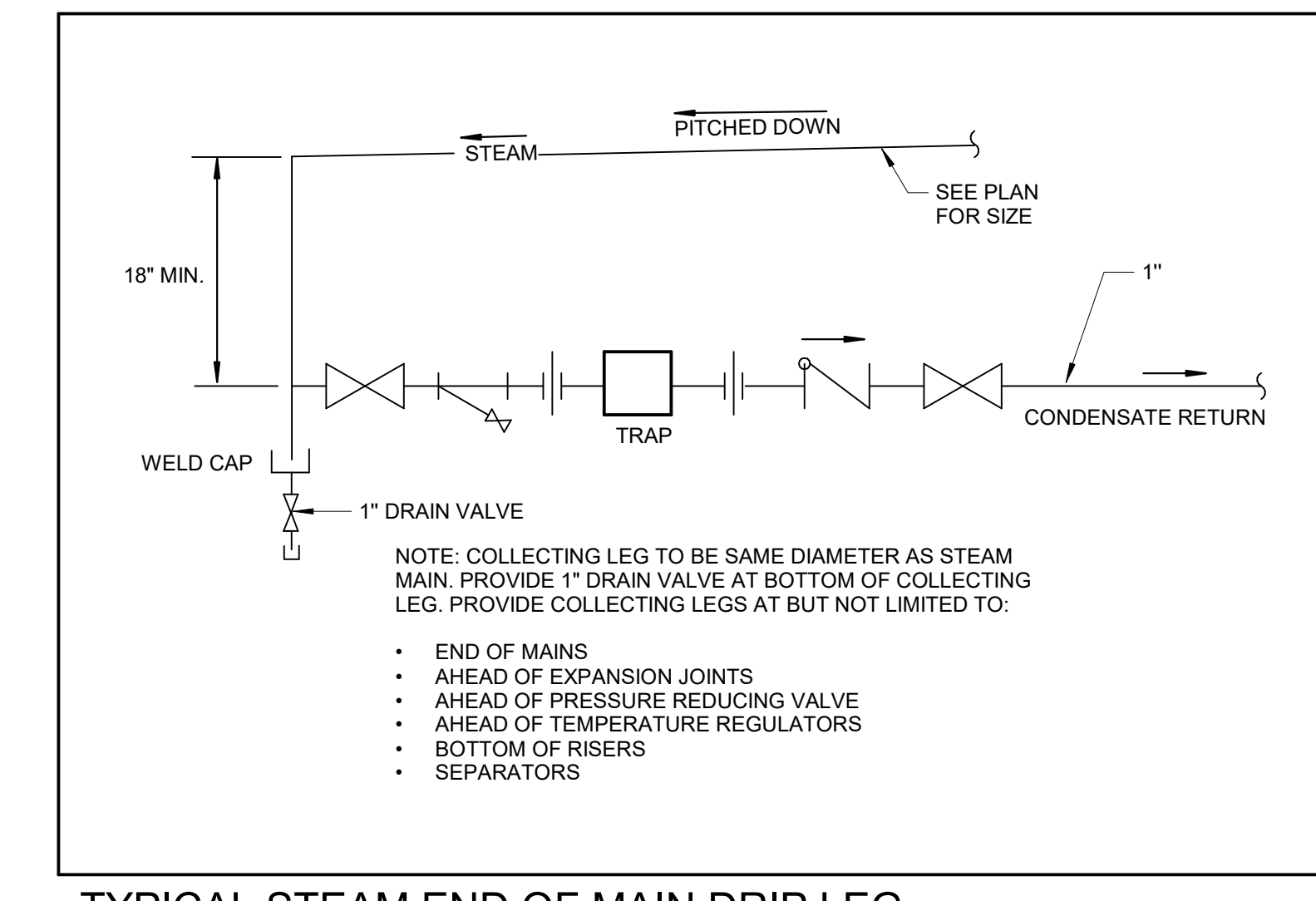
1 BASE MOUNTED PUMP PIPING DETAIL
SCALE: NONE



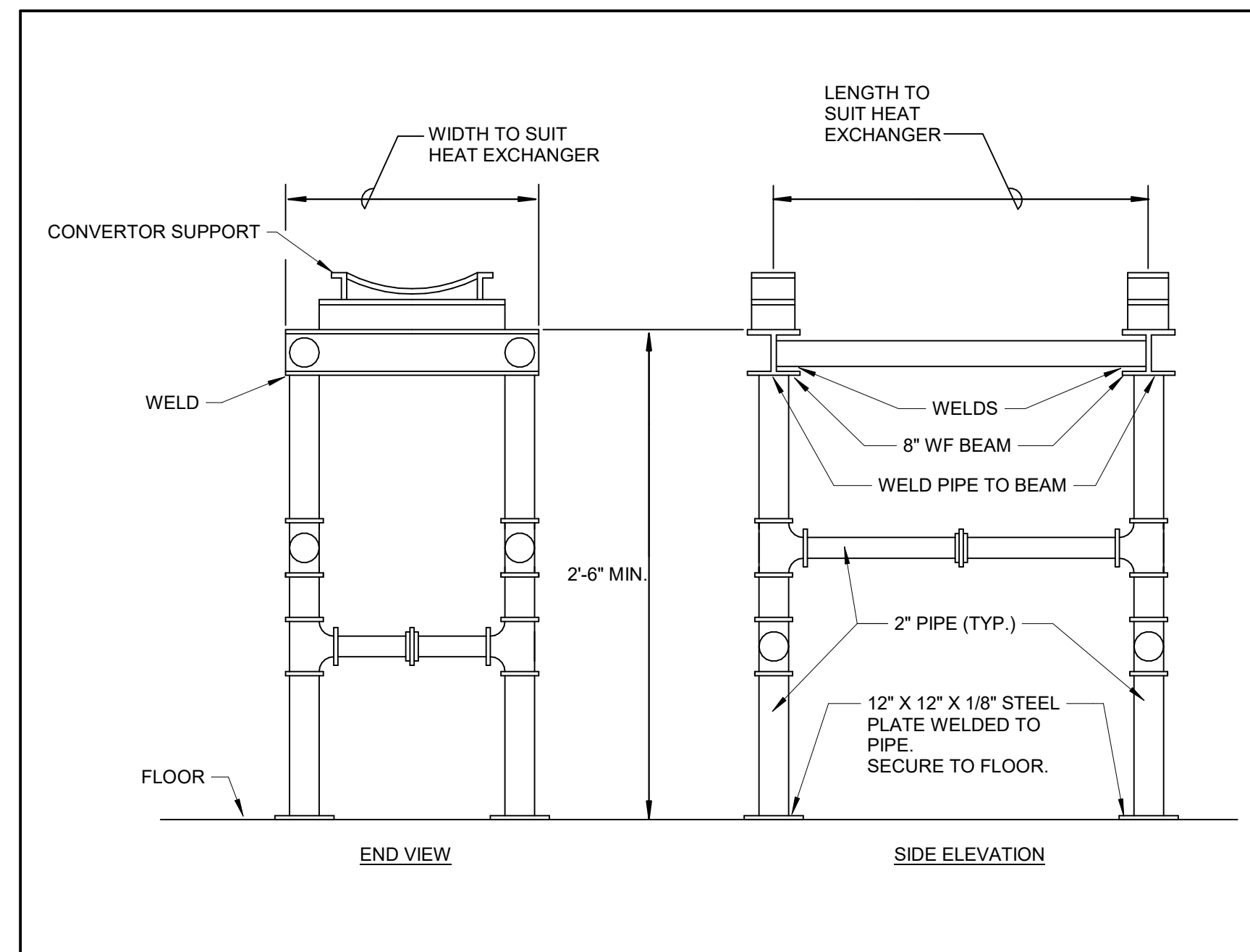
2 FLASH TANK PIPING SCHEMATIC
SCALE: NONE



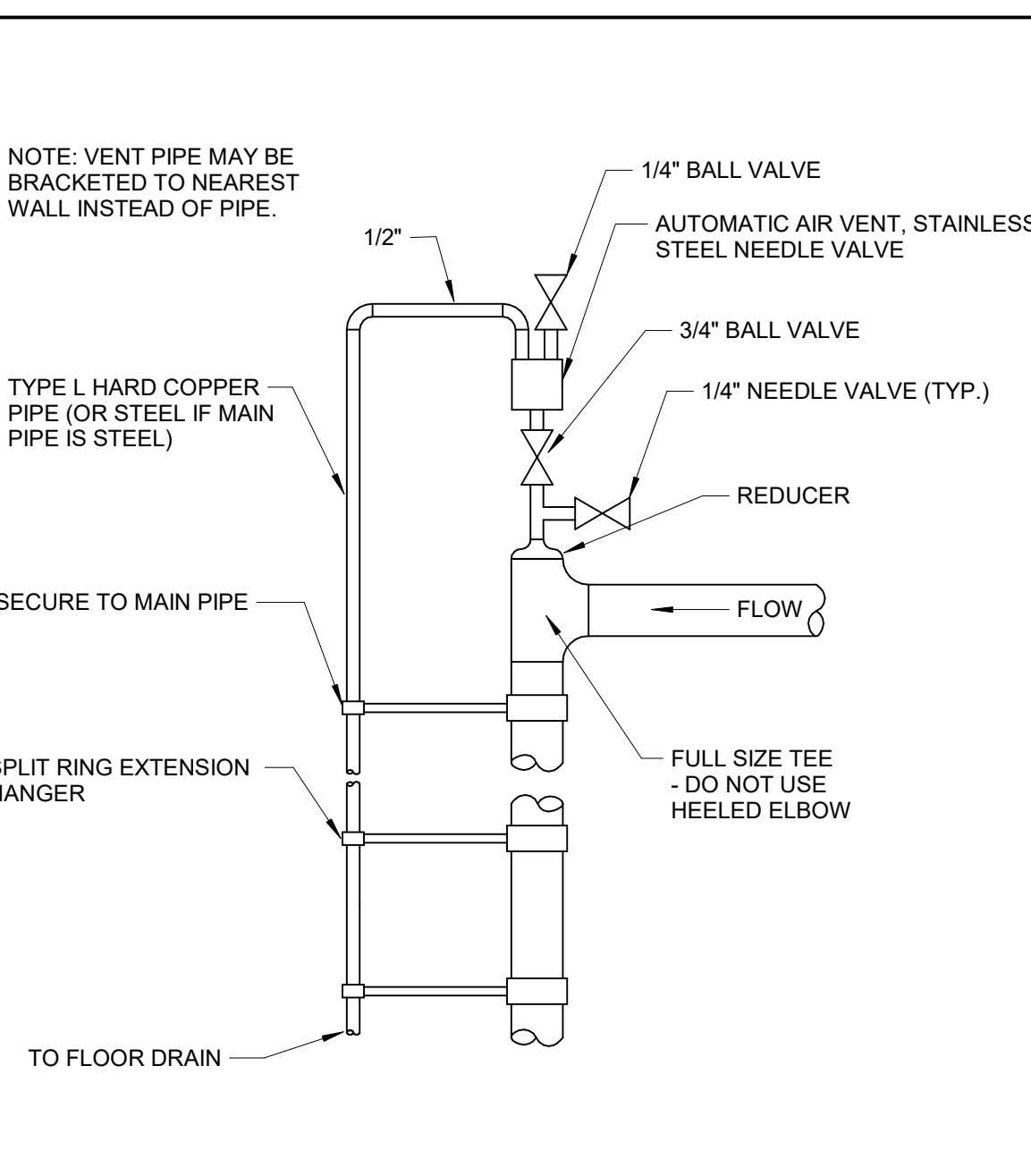
3 STEAM PRESSURE GAUGE INSTALLATION
SCALE: NONE



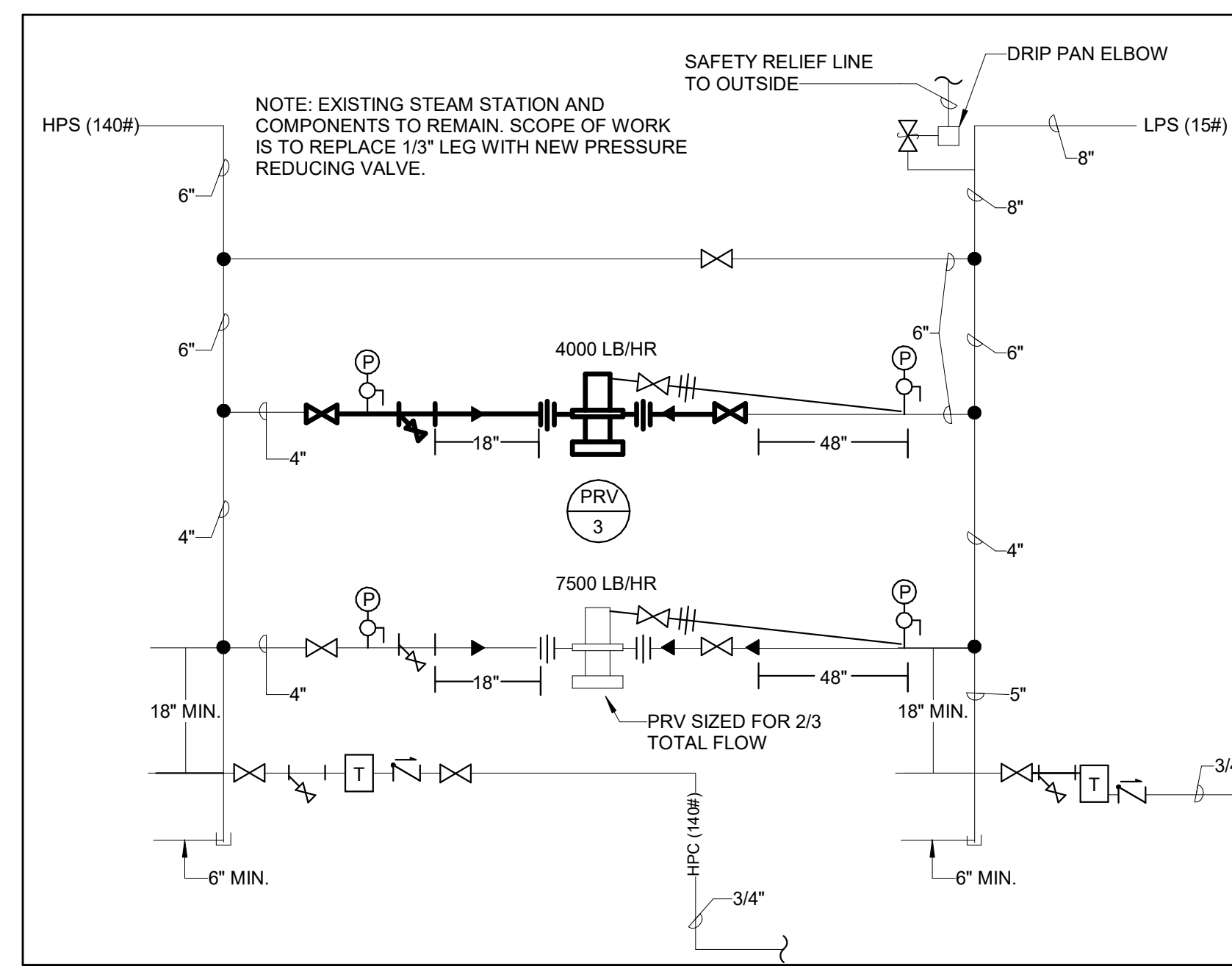
4 TYPICAL STEAM END OF MAIN DRIP LEG DETAIL
SCALE: NONE



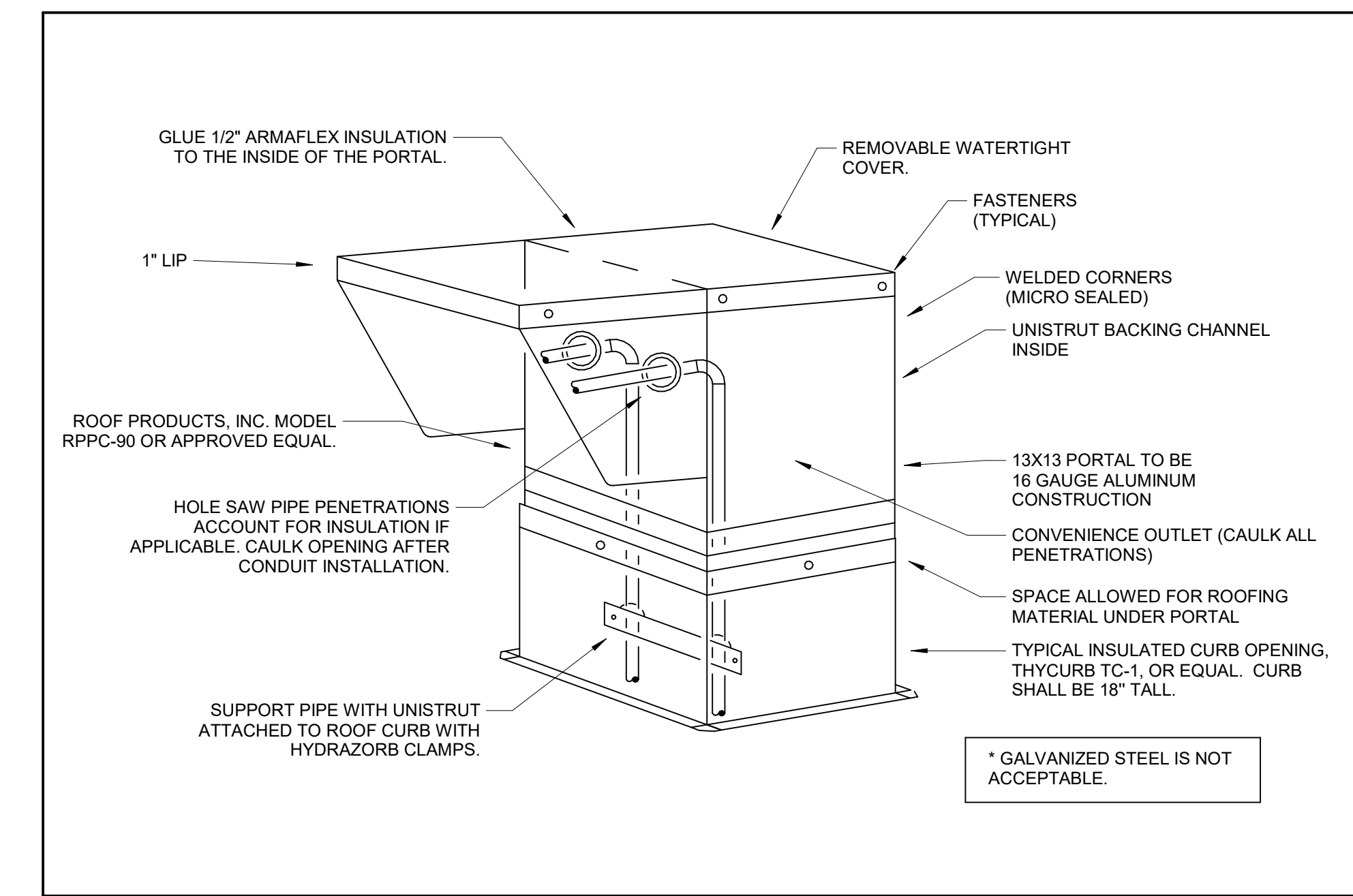
5 HEAT EXCHANGER AND FLASH TANK SUPPORT DETAIL
SCALE: NONE



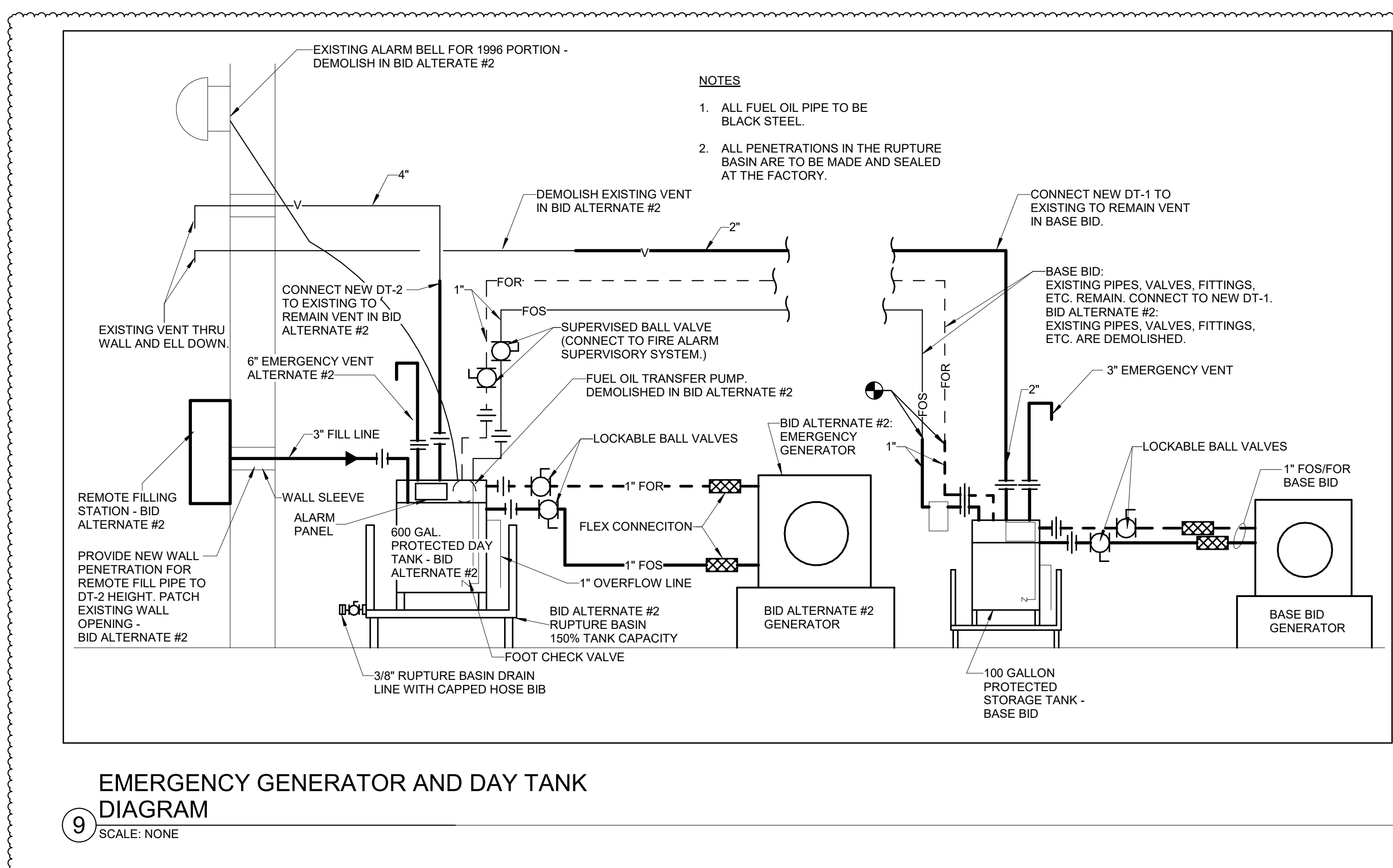
6 AUTOMATIC AIR VENT DETAILS - 3" & SMALLER
SCALE: NONE



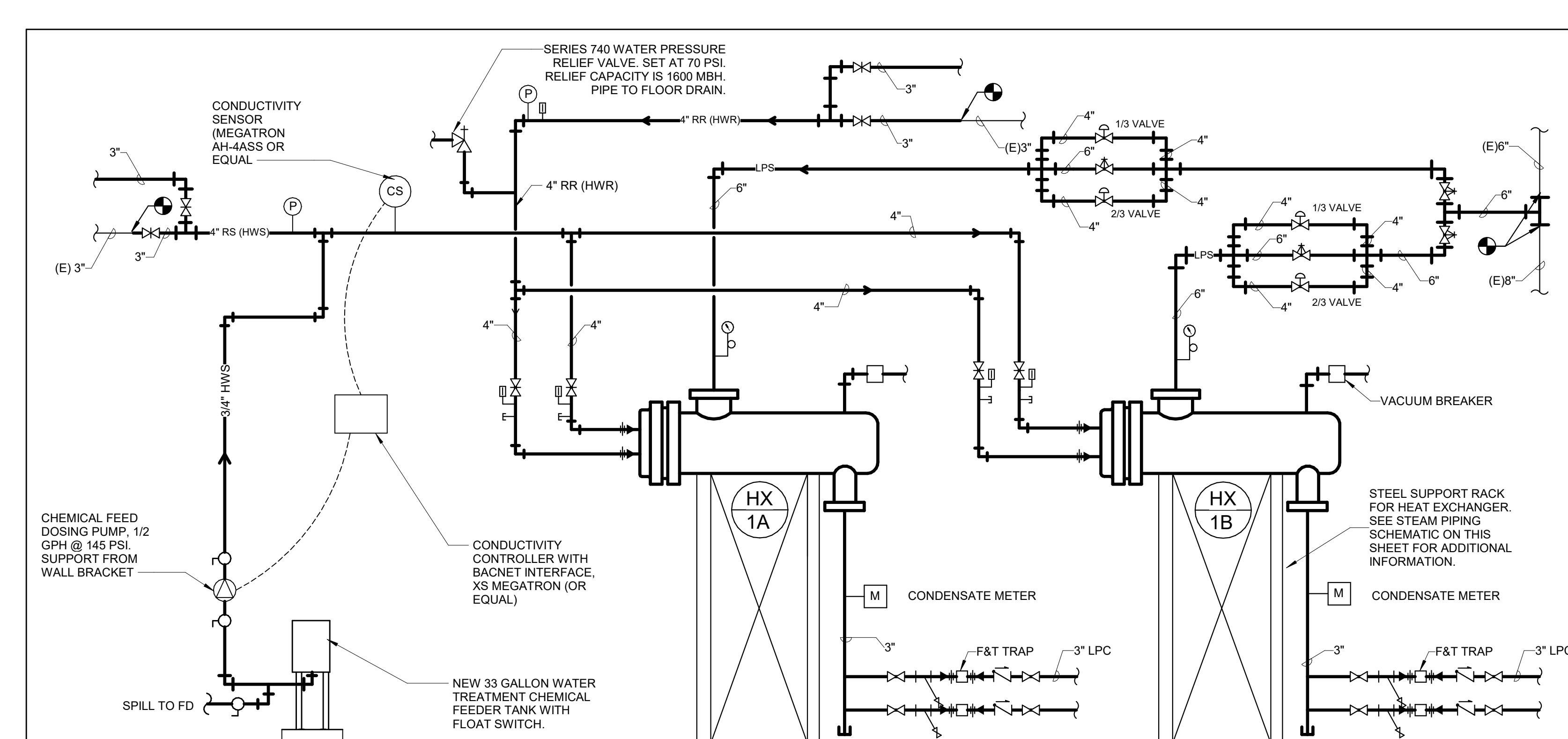
7 MAIN STEAM PRV STATION PIPING SCHEMATIC
SCALE: NONE



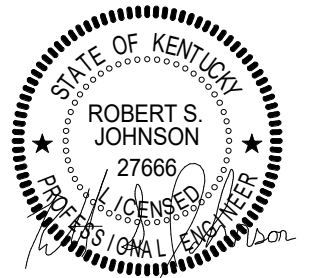
8 PIPE ROOF CURB DETAIL
SCALE: NONE



9 EMERGENCY GENERATOR AND DAY TANK DIAGRAM
SCALE: NONE



10 HEATING HOT WATER STEAM-TO-WATER HEAT EXCHANGER PIPING SCHEMATIC
SCALE: NONE



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**IMPROVE SANDERS-BROWN CENTER
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PROJECT NUMBER	UK: 2571.0
	OMNI: 2133
DATE	01/25/2023
100% CONSTRUCTION DOCUMENTS	
REVISIONS	
ADDENDUM 1	02/09/23
ADDENDUM 2	02/17/23
ADDENDUM 3	02/21/23
ADDENDUM 4	03/07/23

MECHANICAL DETAILS

M6.1R1

REGISTERS, GRILLES, AND DIFFUSERS SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, TYPE, GRILLE SIZE, PANEL SIZE, DUCT INLET SIZE, DUCT BRANCH SIZE, MAX CFM, P.D., NOISE CRITERIA, THROW PATTERN, REMARKS. Lists various diffuser models like PAR-AA and PAS-AA.

EXHAUST FAN SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, SERVICE, TYPE, INLET AIRFLOW (CFM), E.S.P., DRIVE, RPM, FAN HP, VOLTAGE, PHASE, HZ, SONES, REMARKS. Includes model LEF-1.

- NOTES: 1. PROVIDE WITH MOTORIZED ISOLATION DAMPERS. DAMPER SHALL ALLOW SINGLE FAN OPERATION. 2. PROVIDE WITH MOTORIZED BYPASS DAMPERS.

STEAM-TO-WATER HEAT EXCHANGER SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, TYPE, SERVICE, DIAMETER (IN), LENGTH (IN), PASSES (S&T), TOTAL HEATING (BTU/H), LBS/HR, ENTERING PRESS. (PSI), GPM, P.D. (PSIG), EWT (°F), LWT (°F), FOULING FACTOR (°F/BU), REMARKS. Includes model HX-1.

- NOTES: 1. MOUNT HEAT EXCHANGERS ON EXISTING STANDS. 2. PROVIDE MANUFACTURER'S K-HEAD AT TUBE PIPING CONNECTIONS. 3. SHELL SIDE DESIGN PRESSURE: 150 PSI.

HYDRONIC PUMP SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL, TYPE, SERVICE, GPM, PRESSURE (FEET HEAD), IMPELLER DIAMETER (IN), VFD, MIN EFFICIENCY(%), RPM, HZ, HP, BRAKE HP, VOLTAGE, PHASE, SUCTION DIFFUSER, REMARKS. Includes model P-1.

- NOTES: 1. PROVIDE WITH GROUNDING RING KIT. 2. PROVIDE SINGLE POINT POWER CONNECTION AND DISCONNECT. 3. PROVIDE WITH SUCTION STRAINER AND MESH FILTER. FILTER SHALL BE CLEANED UPON START-UP.

VAV/CAV BOX SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, BOX TYPE, DIMENSIONS (IN), DUCT CONNECTIONS, INLET STATIC PRESS. @ MAX CFM (WG), MAX. CFM, MIN. CFM, PRESSURE INDEPENDENT CONTROLS, REMARKS. Lists models VAV-6, VAV-8, VAV-10, VAV-12.

- REMARKS: 1. MAXIMUM N.C. VALUE OF 25. 2. PROVIDE DUAL WALL VAV BOX WITH 1" INSULATION. 3. REHEAT COIL IS DUCT MOUNTED.

VENTURI VALVE SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, AIR TYPE, DUCT INLET, DUCT OUTLET, VALVE MINIMUM CAPACITY (CFM), VALVE MAXIMUM CAPACITY (CFM), MIN. INLET PRESSURE (W.C.), REMARKS. Lists models EAV-8a through SAV-8b.

- REMARKS: 1. TRANSFORMERS FOR VENTURI VALVES TO BE LOCATED NO GREATER THAN 100FT FROM THE VALVES THEY SERVE. 2. FAILURE STATE FUME HOOD VALVES SHALL FAIL OPEN. ALL OTHER VALVES SHALL FAIL CLOSED.

HOT WATER REHEAT COIL SCHEDULE

Table with columns: MARK, MANUFACTURER, DIMENSIONS (IN), AIRFLOW (CFM), AIR PRESSURE DROP (IN WC), EAT (°F), LAT (°F), GPM, WATER PRESSURE DROP (FEET HEAD), EWT (°F), LWT (°F), CAPACITY (MBH), RUNOUT PIPE SIZE (IN), REMARKS. Lists models RHC-6 through RHC-12.

- REMARKS: 1. ALL COILS SUPPLIED MUST CONFORM TO UNIVERSITY OF KENTUCKY STANDARD COIL REQUIREMENTS. TUBE THICKNESS: 0.035". FIN THICKNESS: 0.0075". 2. UNIVERSITY ECM REQUIRES HOT WATER RESET BACK TO 140 DEG. ALL REHEAT COILS MUST BE SIZED SUCH THAT THEY CAN PROVIDE MINIMUM 75 DEGREE DISCHARGE AT THE LISTED CFM WITH AN ENTERING WATER TEMPERATURE OF 140 DEGREES.

MINI SPLIT SYSTEM INDOOR UNIT SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, DIMENSIONS (IN), WEIGHT (LBS), AIRFLOW (CFM), VOLTAGE, PHASE, REMARKS. Includes model AC-1.

- NOTES: 1. PROVIDE WITH FACTORY DISCONNECT. 2. INDOOR UNIT POWERED FROM OUTDOOR UNIT. ALL WIRING AND CONDUIT BY THE ELECTRICAL CONTRACTOR.

MINI SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, DIMENSIONS (IN), WEIGHT (LBS), TOTAL COOLING (MBH), SENSIBLE COOLING (MBH), HEATING CAPACITY (MBH), MINIMUM SEER, VOLTAGE, PHASE, MCO, REMARKS. Includes model OU-1.

- NOTES: 1. PROVIDE EQUIPMENT RAILS THAT PROVIDES MINIMUM 12" CLEARANCE BETWEEN ROOF SURFACE AND EQUIPMENT. 2. PROVIDE WITH LOW AMBIENT COOLING CONTROLS.

LOUVER SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, SERVICE, DEPTH (IN), CONSTRUCTION, CFM, WIDTH (IN), HEIGHT (IN), FREE AREA (SF), VELOCITY (FPM), APP (IN WG), BIRD SCREEN, DRAINABLE BLADE, REMARKS. Lists models L-1 and L-2.

- NOTES: 1. BASE BID. 2. BLACK FINISH. FINISH TO MATCH EXISTING TO REMAIN LOUVERS. 3. BID ALTERNATE. 4. APD AND FACE VELOCITY ARE BASED ON OVERALL LOUVER FACE BEING DIVIDED INTO INTAKE AND EXHAUST.

EXPANSION TANK SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, TYPE, DIAMETER, HEIGHT, TANK VOLUME (GALS), REMARKS. Includes model ET-1.

- NOTES: 1. ASME SECTION VIII, DIVISION 1. 2. SIGHT GLASS. 3. RATED FOR 175PSI, 240F. 4. FORGED STEEL WITH CARBON STEEL SHELL.

AIR SEPARATOR SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, SERVICE, MOUNTING, INLET PIPE SIZE, OUTLET PIPE SIZE, WATER FLOW RATE (GPM), WATER PRESSURE DROP (FT HD), REMARKS. Includes model AS-1.

- NOTES: 1. ASME SECTION VIII, DIVISION 1. 2. RATED FOR 125PSI, 350F. 3. SHELL IS CARBON STEEL.

DAY TANK SCHEDULE

Table with columns: MARK, MANUFACTURER, TYPE, TANK VOLUME (GALS), PHYSICAL SIZE (IN), LENGTH, WIDTH, HEIGHT, REMARKS. Lists models DT-1 and DT-2.

- REMARKS: 1. UL LISTED. 2. DIMENSIONS LISTED INCLUDE OVERALL FOOTPRINT AND STORAGE TANK HEIGHT. 3. RUPTURE BASIN TO HAVE 1" NPT DRAIN AND 1/2" NPT.

FLASH TANK SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL #, TYPE, PHYSICAL SIZE (IN), CAPACITY, TANK VOLUME (GALS), REMARKS. Includes model FT-1.

- NOTES: 1. RATED FOR 150 PSI AND 450 DEGREES F. ASME RATED. 2. PLAIN STEEL BODY AND ENDCAPS. FACTORY PRIMED.

FAN COIL SCHEDULE

Table with columns: MARK, TYPE, MANUFACTURER, MODEL #, WEIGHT, DIMENSIONS (IN), SUPPLY FAN, COOLING COIL, REMARKS. Lists models FC-1 and FC-2.

- REMARKS: 1. PROVIDE WITH BACNET MS/TP CONTROL CARD. 2. PROVIDE WITH 2-WAY CONTROL VALVE. 3. REMOTE THERMOSTAT.

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

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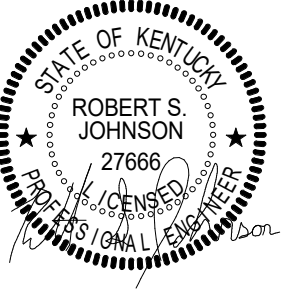
PROJECT NUMBER UK: 2571.0 OMNI: 2133

DATE 01/25/2023 100% CONSTRUCTION DOCUMENTS

- REVISIONS: ADDENDUM 1 02/09/23, ADDENDUM 2 02/17/23, ADDENDUM 3 02/21/23, ADDENDUM 4 03/07/23

MECHANICAL SCHEDULES

M7.0R1



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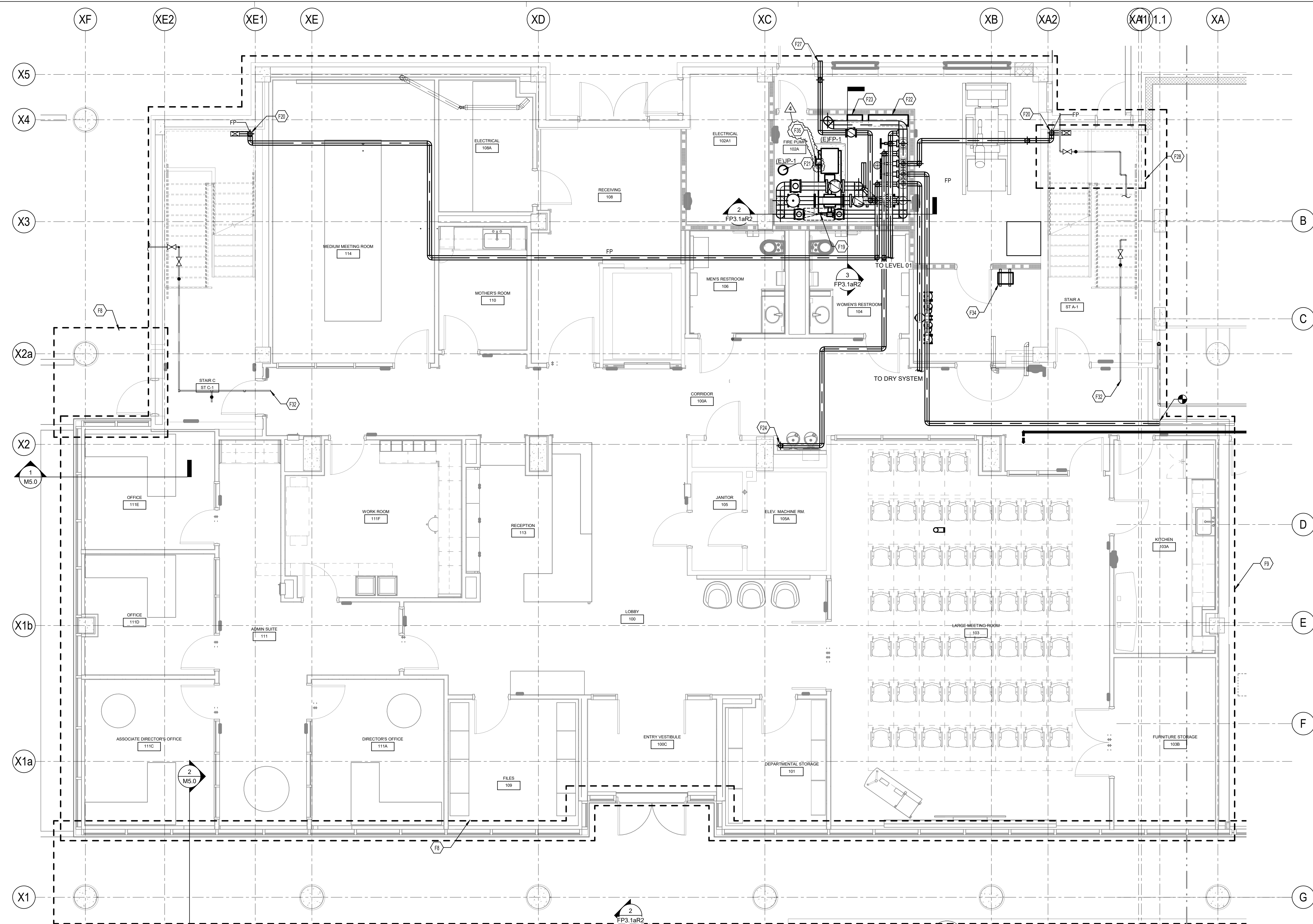
LEVEL 01 FIRE PROTECTION PLAN

FP3.1aR2

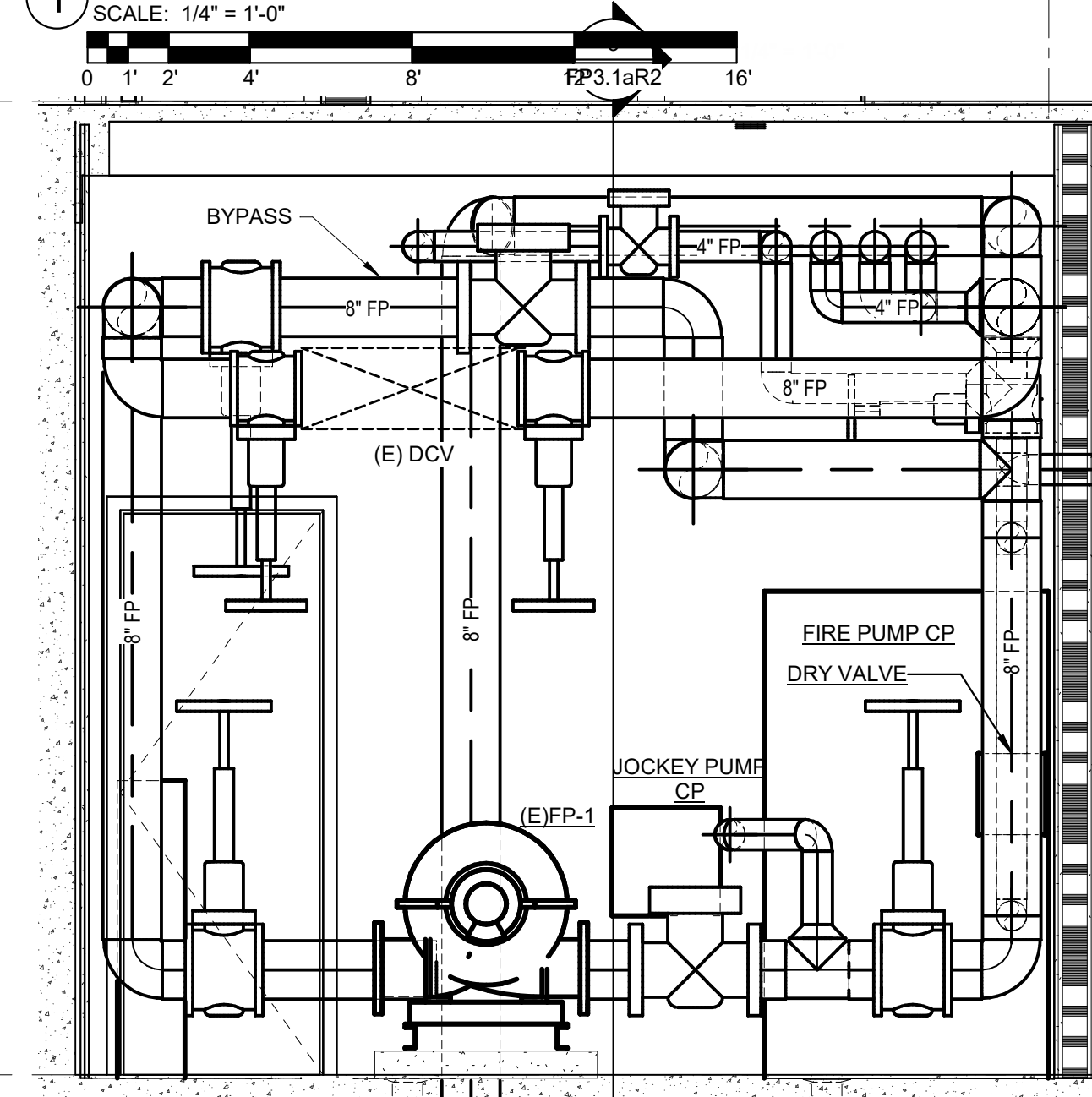
TAGGED NOTES

- F8 PROVIDE DRY SPRINKLER SYSTEM IN THE 2ND LEVEL OVERHANG.
- F9 PROVIDE NFPA13 AND NFPA14 COMPLIANT SPRINKLER AND STANDPIPE FIRE PROTECTION SYSTEM.
- 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 HEADS.
- 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 FABRICATED IN A MANNER THAT PROTECTS AIR COMPRESSOR FROM DOOR SWING.

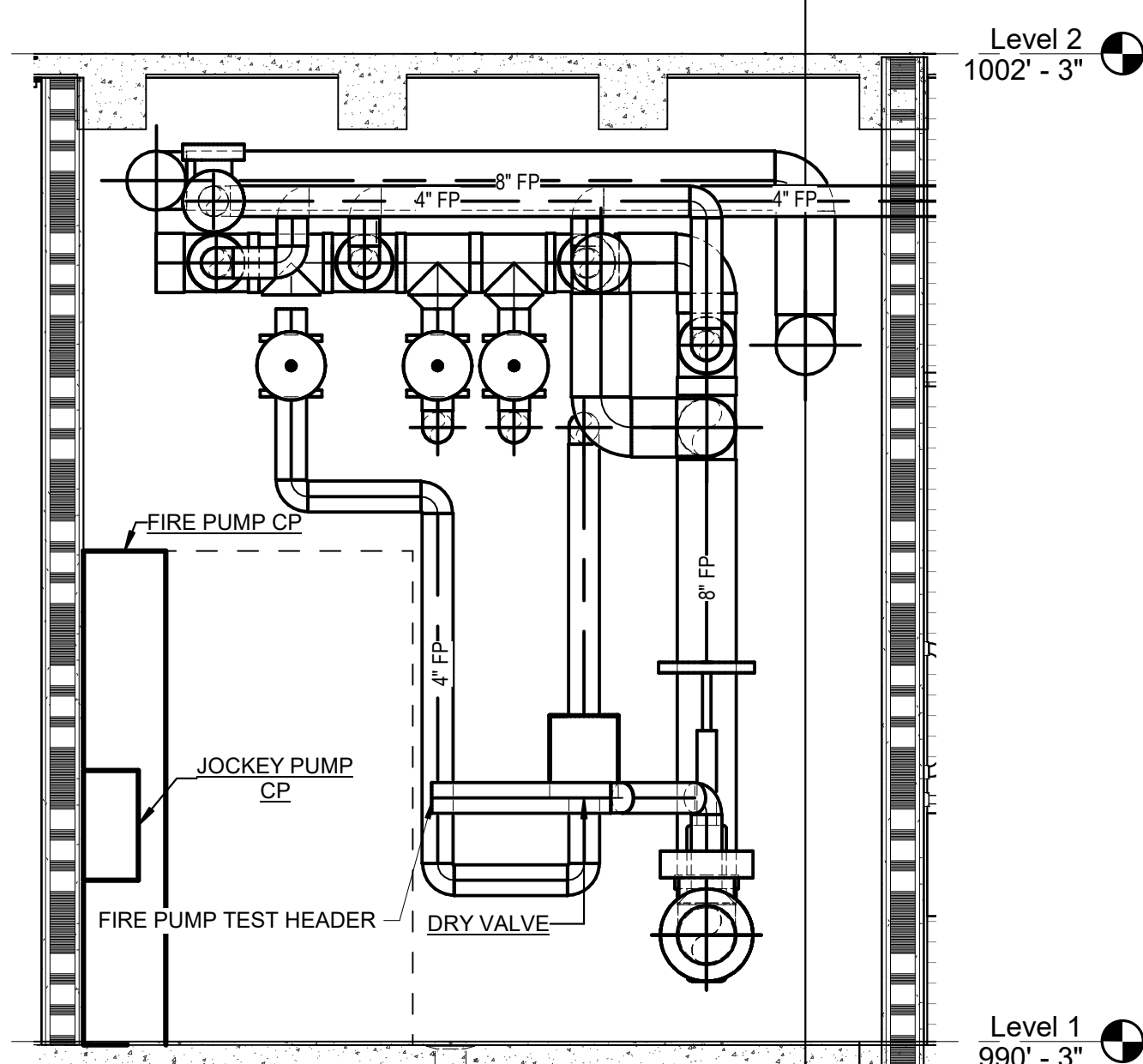
F35 FLOOR NEW FIRE PUMP PAD AROUND EXISTING FLOOR DRAIN. FLOOR DRAIN TO REMAIN FUNCTIONAL.



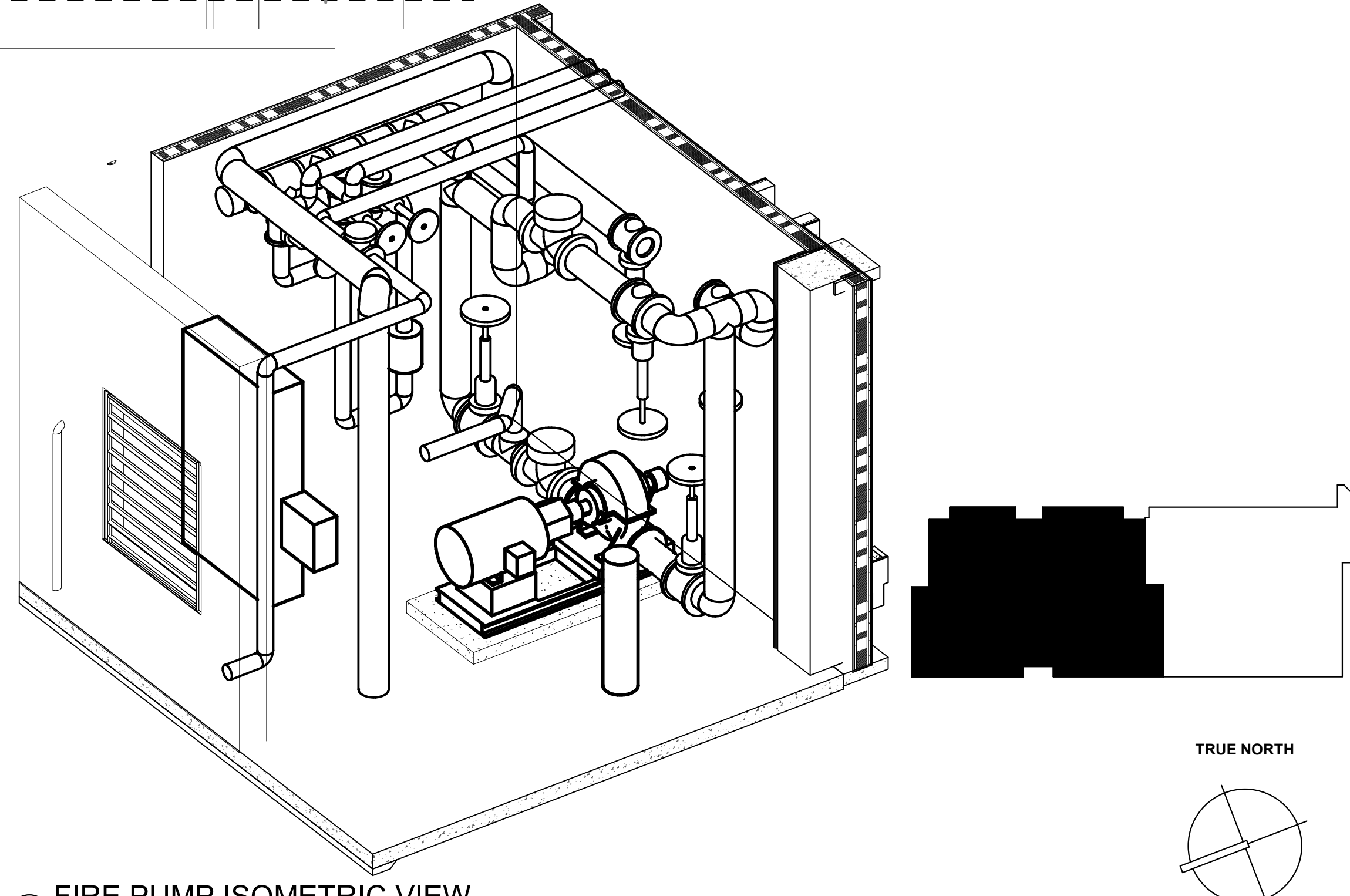
1 LEVEL 01 FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"



2 FIRE PUMP ROOM ELEVATION A
SCALE: 1/2" = 1'-0"

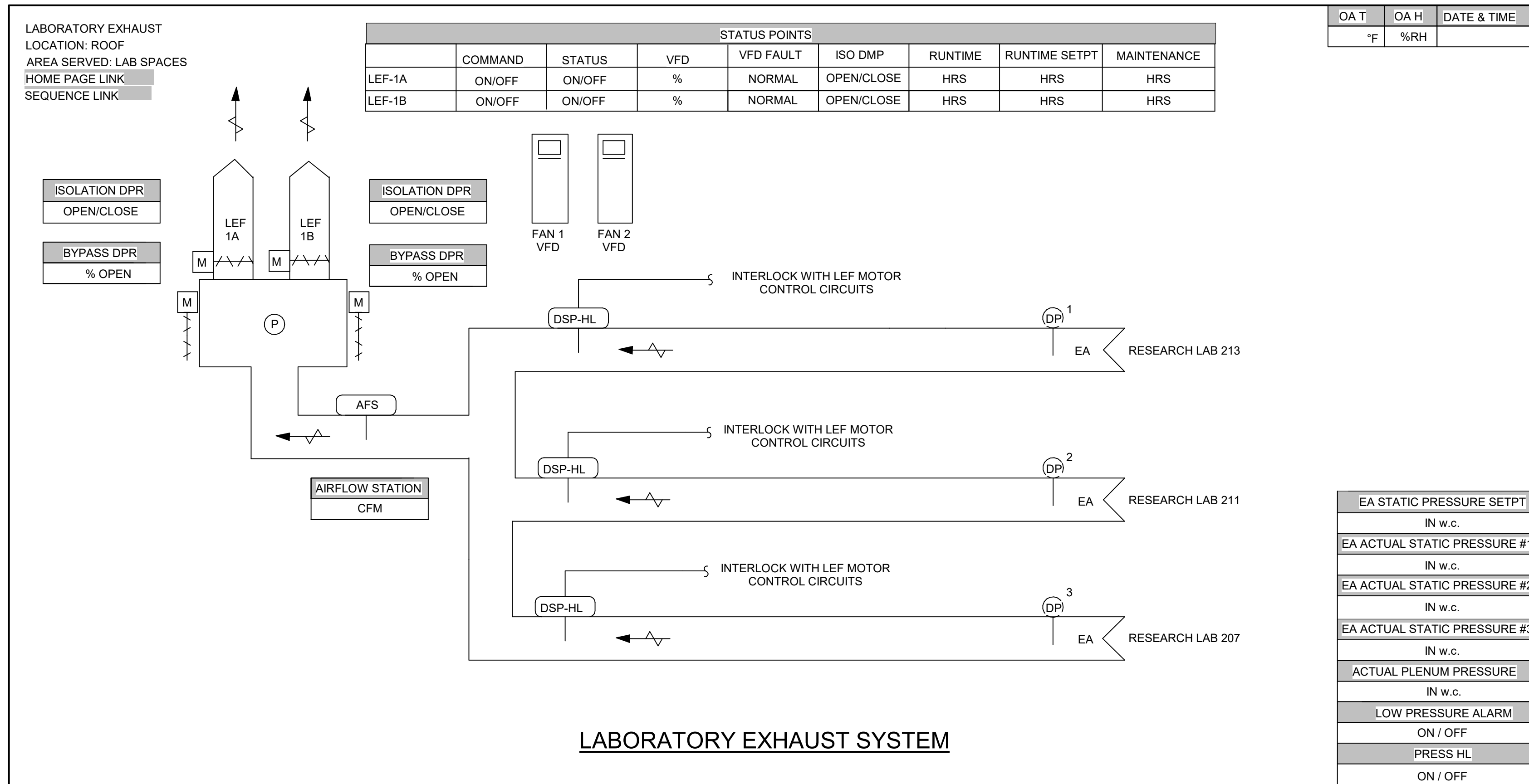


3 FIRE PUMP ROOM ELEVATION B
SCALE: 1/2" = 1'-0"



4 FIRE PUMP ISOMETRIC VIEW
SCALE: NONE

PRINT DATE: 3/7/2023 10:40:46 AM



LABORATORY EXHAUST SYSTEM

RESPONSIBILITY	CC-A	CC-B	FMCE
PROVIDE LATEST GENERATION CONTROLLER, VALVES AND OPEN B-BC CONTROLLER FOR EXISTING LAB PHOENIX CONTROLS EXHAUST AND SUPPLY VENTURI VALVES AS SHOWN ON DRAWINGS FOR BID ALTERNATE #1. PROVIDE ALL CONDUIT AND WIRING REQUIRED FOR NEW BACNET/MS/TP COMMUNICATIONS BETWEEN DEVICES. PROVIDE NEW CONTROL PANEL AND MOUNT AS SHOWN ON DRAWINGS. PROVIDE PROXIMITY SENSORS, SASH POSITION SENSORS AND FUME HOOD MONITORS FOR ALL EXISTING FUME HOODS. PROVIDE THERMOSTATS, DISCHARGE AIR SENSORS, VOLTAGE CONVERTERS, POWER SUPPLIES, AND ALL RELATED EQUIPMENT FOR PROPER UPGRADE INSTALLATION AND UNIVERSITY OF KENTUCKY STANDARDS.		X	
PROVIDE NEW VENTURI VALVES AND LAB CONTROLS COMPLETE FOR NEW 2ND LEVEL LABS AS SHOWN ON DRAWINGS FOR BASE BID. PROVIDE OPEN B-BC LEVEL CONTROLLER AND CONTROL PANEL AND MOUNT IN LOCATION SHOWN ON PLANS. PROVIDE ALL CONDUIT AND WIRING REQUIRED FOR NEW BACNET/MS/TP COMMUNICATIONS BETWEEN DEVICES. PROVIDE NEW CONTROL PANEL AND MOUNT AS SHOWN ON DRAWINGS. PROVIDE LAB EXHAUST HOOD CONTROLS INCLUDING PROXIMITY SENSOR, SASH POSITION SWITCH, FUME HOOD MONITOR, ALARMS, DISCHARGE AIR SENSORS, VOLTAGE CONVERTORS, POWER SUPPLIES, AND ALL RELATED COMPONENTS PER UNIVERSITY OF KENTUCKY STANDARDS.		X	
PROVIDE NEW OPEN A-ASC LEVEL CONTROLLER FOR ALL EXISTING VARIABLE AIR VOLUME TERMINAL BOXES AND THERMOSTATS AS SHOWN ON DRAWINGS FOR BID ALTERNATE #1. PROVIDE ALL WIRING AND CONDUIT REQUIRED FOR CONTROLLER AND THERMOSTAT PROPER INSTALLATION. PROVIDE NEW OPEN B-BC LEVEL CONTROLLER AND CONTROL PANEL AND MOUNT IN LOCATION SHOWN ON DRAWINGS.	X		
PROVIDE NEW DDC CONTROLS FOR EXISTING AHU-6 AND AHU-7 AS SHOWN ON DRAWINGS FOR BID ALTERNATE #1 INCLUDING DEDICATED OPEN A-AAC CONTROLLER AND CONTROL PANEL, SENSORS, DDC ACTUATOR, CONDUIT AND WIRING, POWER SUPPLIES AND ALL RELATED EQUIPMENT FOR A COMPLETE NEW DDC CONTROL SYSTEM INSTALLATION TO MEET UNIVERSITY OF KENTUCKY STANDARDS.	X		
PROVIDE NEW DDC CONTROLS FOR ALL EXISTING HVAC, PLUMBING, ELECTRICAL AND FIRE PROTECTION EQUIPMENT AS SHOWN ON CONTROLS DRAWINGS FOR BID ALTERNATE #1. PROVIDE ALL CONTROLLERS, CONDUIT AND WIRING, SENSORS, ACTUATORS AND RELATED EQUIPMENT FOR A COMPLETE BUILDING CONTROLS UPGRADE TO MEET UNIVERSITY OF KENTUCKY STANDARDS.	X		
TERMINATE ALL WIRING TO CONTROL DEVICES FOR BOTH NEW AND EXISTING LAB CONTROLS EQUIPMENT FOR BASE BID AND BID ALTERNATE #1.		X	
DEMOLISH ALL OBSOLETE CONTROLS, INCLUDING PNEUMATIC CONTROLS TUBING, SENSORS, ACTUATORS, UNUSED CONDUIT AND WIRING, CONTROL PANELS AND RELATED EQUIPMENT TO UPGRADED LAB EXHAUST CONTROL SYSTEM AS SHOWN ON DRAWINGS FOR BASE BID AND BID ALTERNATE #1. ENCLOSE EXISTING ENERGY RECOVERY EXHAUST FANS EF_1 AND EF_2 TO AND NEW LEF_1. RETURN ALL DDC CONTROLS TO FMCE.	X	X	
INTEGRATION FOR ALL NEW CONTROLLERS - BASE BID AND BID ALTERNATE #1.			X
BAS GRAPHICS MODIFICATIONS FOR EXISTING VENTURI VALVES AND LAB HOODS - BID ALTERNATE #1.			X
BAS GRAPHICS FOR NEW VENTURI VALVES AND LAB HOODS - BASE BID.			X
BAS GRAPHICS MODIFICATIONS FOR NEW DDC CONTROLS FOR AHU-6, AHU-7, AND ALL EXISTING HVAC, PLUMBING, ELECTRICAL AND FIRE PROTECTION EQUIPMENT CONTROLS - BID ALTERNATE #1.			X
BAS GRAPHICS FOR ALL NEW NON-LAB HVAC, PLUMBING, ELECTRICAL AND FIRE PROTECTION EQUIPMENT CONTROLS.			X
ALL BAS ALARMS - BASE BID AND BID ALTERNATE #1.		X	X
CONTROLS PROGRAMMING ON ALL EXISTING RETROFIT PHOENIX CONTROL VALVES - BID ALTERNATE #1.		X	
CONTROLS PROGRAMMING ON ALL NEW LABORATORY VENTURI VALVES AND FUME HOODS - BASE BID.	X	X	
CONTROLS PROGRAMMING ON ALL NEW AND EXISTING NON-LAB EXHAUST SYSTEM HVAC, PLUMBING, ELECTRICAL AND FIRE PROTECTION SYSTEM CONTROLS - BASE BID AND BID ALTERNATE #1.	X		
CONTROLS PROGRAMMING ON NEW LEF_1 HIGH PLUME LAB EXHAUST FAN - BASE BID.	X		
CONTROLS PROGRAMMING ON EXISTING EF_1 AND EF_2 ENERGY RECOVERY LAB EXHAUST FANS - BID ALTERNATE #1.	X		X
CONTROLS COMMISSIONING - BASE BID AND BID ALTERNATE #1.			X
PROVIDE ALL SENSORS, ALARMS, CONDUIT AND WIRING, CONTACTORS, RELAYS, AND RELATED EQUIPMENT FOR LABORATORY FREEZER MONITORING AND ALARMS.	X		

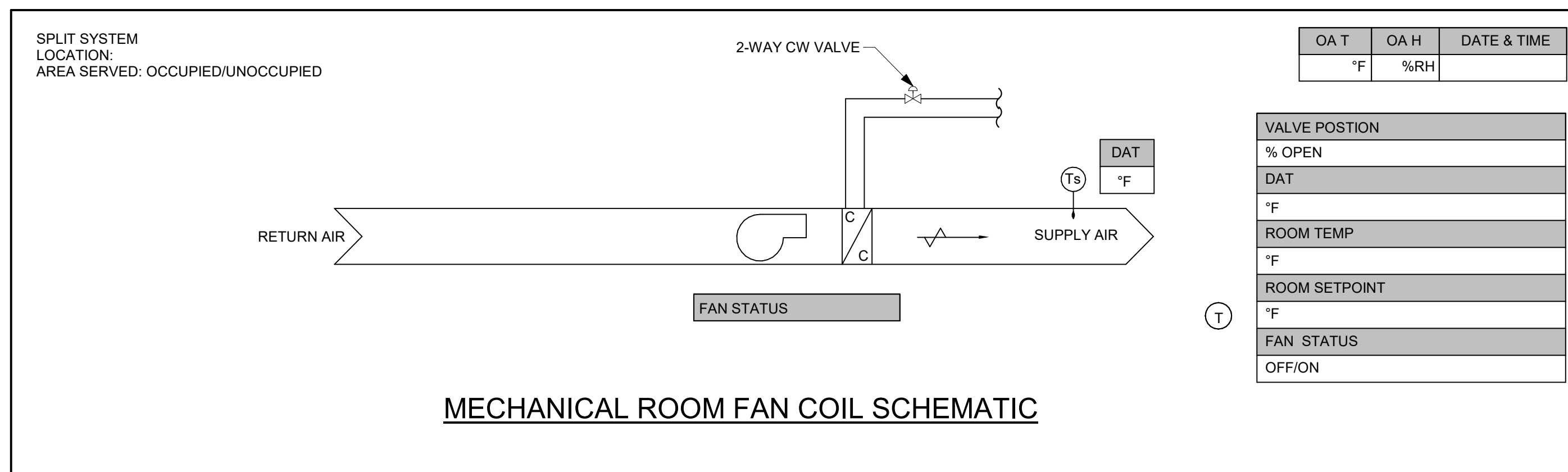
NOTE: CC-A AND CC-B SHALL NOT BE SUBCONTRACTORS TO ONE ANOTHER NOR BE THE SAME CONTRACTOR.

CONTROLS RESPONSIBILITY MATRIX APPLIES TO ALL CONTROL SHEETS WHETHER SHOWN OR NOT.

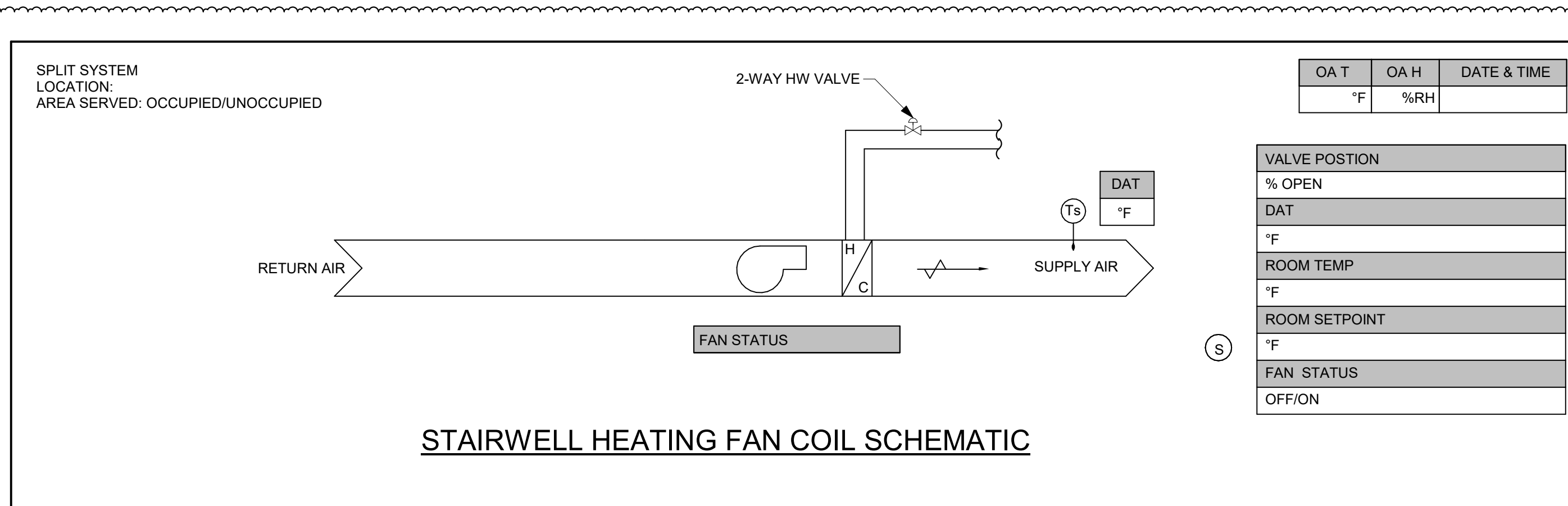
ALL CONTROLLERS SHOWN TO BE DEMOLISHED SHALL BE REMOVED AND RETURNED TO UK FMCE GROUP FOR SALVAGE.

DLAR EXHAUST FAN SEQUENCE OF OPERATIONS

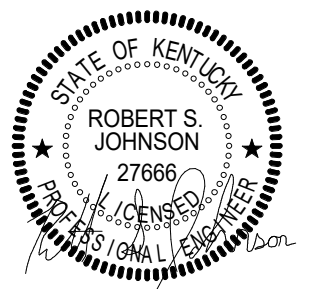
THE DLAR EXHAUST SYSTEM IS COMPRISED OF TWO CONSTANT VOLUME LAB EXHAUST FANS, A SET OF BYPASS DAMPERS, A SET OF FAN ISOLATION DAMPERS AND A CONSTANT VOLUME AIR DISTRIBUTION SYSTEM. THE FANS WILL BE IN AN N+1 ARRANGEMENT AND THE PRIMARY FAN SHALL RUN CONTINUOUSLY. THE FANS WILL ALTERNATE BETWEEN PRIMARY AND STANDBY FANS EVERY 7 DAYS (ADJ.). THE BAS SHALL ALARM "LOW STATIC PRESSURE" IF THE STATIC PRESSURE AS MEASURED BY THE EXISTING STATIC PRESSURE SENSOR FALLS BELOW THE SETPOINT FOR 60 MINS (ADJ.). WHEN THE PRIMARY FAN IS ENERGIZED, THE STANDBY FAN ISOLATION DAMPER AND BYPASS DAMPER SHALL BE FULLY CLOSED. THE PRIMARY FAN'S BYPASS DAMPER WILL MODULATE TO MAINTAIN A DUCT STATIC PRESSURE READING OF 3.0" W.C. (ADJ.) AS DETERMINED BY THE REPLACED (NEW) DUCT STATIC PRESSURE SENSOR. IF THE PRIMARY FAN STATUS SHOWS DISABLED, THE STANDBY FAN ISOLATION DAMPER SHALL FULLY OPEN AND THE FAN SHALL ENERGIZE. THE FAILED FAN'S ISOLATION DAMPER AND BYPASS DAMPERS SHALL FULLY CLOSE AND THE BAS SHALL ALARM "FAN FAILURE". THE NOW PRIMARY FAN'S BYPASS DAMPER WILL MODULATE TO MAINTAIN A DUCT STATIC PRESSURE READING OF 3.0" W.C. (ADJ.) DETERMINED BY THE REPLACED (NEW) DUCT STATIC PRESSURE SENSOR. IF THE DUCT STATIC PRESSURE AS MEASURED BY THE REPLACED (NEW) HIGH STATIC LIMIT SENSOR READS 3.5" W.C. FOR 5 MINUTES OR LONGER (ADJ.) THE PRIMARY FAN'S BYPASS DAMPER WILL MODULATE OPEN UNTIL THE STATIC PRESSURE REDUCES TO SETPOINT. IF THE DUCT STATIC PRESSURE READING IS STILL AT 3.5" W.C. OR ABOVE AND THE PRIMARY FAN'S BYPASS DAMPER IS FULLY OPEN, THE FAN SHALL BE DISABLED AND THE BAS SHALL ALARM "HIGH STATIC PRESSURE".



- MECHANICAL ROOM FAN COIL**
- Mechanical room 102 shall be provided with fan coil.
- The unit shall cool the space to 80F (adj) setpoint. The control valve shall modulate to maintain space temperature setpoint.
- The DDC system shall be allowed to start and stop the fan.



- STAIRWELL HEATING**
- Stairwell STC-1 and STA-1 shall be provided with heating only fan coils. STC-1 shall have 2 units, one on the first level, the other on the third level. STA-1 shall have 3 units, one on the first level, one on the third level, and one on the fourth level.
 - Each stairwell shall have a single temperature sensor located on the third level. The temperature sensor shall control all control valves for each stairwell.
 - The combined units shall heat the stairwells to 50°F (adj.). All units shall be disabled when OAT is 50°F or above.
 - The BAS shall be capable of starting and stopping the fan.



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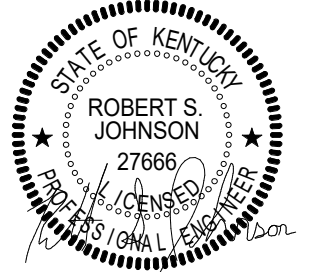
REVISIONS		
1	ADDENDUM 1	02/09/23
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**MECHANICAL CONTROLS
- BASE BID**

IC1.2R1

TAGGED NOTES

- MD1 DEMOLISH COMPLETE EXISTING HEATING WATER HYDRONIC PUMPS INCLUDING CONTROLS, PIPING, HYDRONIC SPECIALTIES, HANGERS, INSULATION AND ALL RELATED EQUIPMENT. DEMOLISH COMPLETE CONCRETE HOUSEKEEPING PAD.
- MD2 REMOVE AND STORE WITHOUT DAMAGE EXISTING DUPLEX CONDENSATE PUMP AND RECEIVER TANK. DEMOLISH COMPLETE ALL STEAM CONDENSATE PIPING RETURN PIPING AND PUMPED CONDENSATE PIPING. DEMOLISH PUMPED CONDENSATE PIPING FROM PUMP TO CONDENSATE METER. CONDENSATE METERS TO REMAIN.
- MD3 DEMOLISH COMPLETE EXISTING FLASH TANK AND ALL RELATED PIPING, VALVES AND FITTINGS. DEMOLISH ALL HANGERS, INSULATION AND ALL RELATED EQUIPMENT.
- MD5 DEMOLISH COMPLETE EXISTING STEAM TO WATER HEAT EXCHANGER INCLUDING STAND, STEAM AND HYDRONIC VALVES, PIPING, TRAPS AND ALL RELATED EQUIPMENT.
- MD9 DEMOLISH COMPLETE EXISTING AIR TERMINAL UNIT INCLUDING MEDIUM AND LOW PRESSURE DUCTS, AIR DEVICES, CONTROLLERS, THERMOSTATS, AND RELATED CONTROLS AIR TUBING AND ALL RELATED EQUIPMENT. DEMOLISH COMPLETE AIR HANGERS AND ALL APPURTENANCES.
- MD10 DEMOLISH COMPLETE FAN COIL, PIPING, CONTROLS, HANGERS, AND ALL RELATED EQUIPMENT.
- MD11 DEMOLISH COMPLETE EXISTING PENTHOUSE HEATING WATER RISERS FROM PUMPS TO 3RD FLOOR CEILING CAVITY. PREPARE RISER ABOVE 3RD FLOOR FOR RECONNECTION.
- MD12 DEMOLISH COMPLETE EXISTING EXHAUST DUCT INCLUDING AIR DEVICES, HANGERS, AND ALL RELATED EQUIPMENT. DEMOLISH BACK TO FIRE DAMPER. CLEAN AND INSPECT FIRE DAMPER.
- MD13 DEMOLISH COMPLETE EXISTING HEATING WATER PIPING INCLUDING ALL MAINS, BRANCHES, CONTROL VALVES, ISOLATOR VALVES, HYDRONIC SPECIALTIES, INSULATION, HANGERS, AND ALL RELATED EQUIPMENT.
- MD14 DEMOLISH COMPLETE MPS, MPR, AND LPR PIPING FROM MECHANICAL ROOM EQUIPMENT TO 3RD FLOOR CEILING. DEMOLISH COMPLETE INSULATION, HANGERS, AND ALL RELATED EQUIPMENT. PREPARE PIPING TO 4TH FLOOR FOR FUTURE RECONNECTION.
- MD15 DEMOLISH COMPLETE HEATING WATER DISTRIBUTION PIPING WITHIN THE MECHANICAL ROOM INCLUDING AIR SEPARATOR, VALVES, HANGERS, AND ALL RELATED EQUIPMENT.
- MD16 DEMOLISH COMPLETE EXISTING STEAM PRESSURE REDUCING STATION INCLUDING VALVES, STRAINERS, PIPING, FITTINGS, SAFETY VALVES, VAT, AND ALL RELATED EQUIPMENT.
- MD17 REFER TO GENERATOR ALTERNATE. IF GENERATOR ALTERNATE IS ACCEPTED, DEMOLISH EXISTING PRESSURE REDUCING STATION SAFETY VALVE DISCHARGE PIPES COMPLETE FROM SAFETY VALVE THROUGH CHASE AND THROUGH ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR ENVELOPE PATCHING.
- MD18 BASE BID: DEMOLISH COMPLETE EXISTING PRESSURE REDUCING STATION SAFETY VALVE DISCHARGE PIPES FROM SAFETY VALVE TO BENEATH EXTERIOR CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR ENVELOPE PATCHING.
- MD19 REFER TO GENERATOR ALTERNATE. IF GENERATOR ALTERNATE IS ACCEPTED, DEMOLISH COMPLETE DEMOLISHED GENERATOR EXHAUST PIPE FROM GENERATOR UP THROUGH CHASE AND THROUGH ROOF. REFER TO ARCHITECTURAL DRAWINGS FOR ENVELOPE PATCHING.
- MD20 BASE BID: DEMOLISH COMPLETE DEMOLISHED GENERATOR MUFFLER EXHAUST PIPE FROM GENERATOR TO BENEATH EXTERIOR CEILING. PREPARE PIPE FOR RECONNECTION.
- MD21 DEMOLISH COMPLETE EXISTING MOTORIZED DAMPER INCLUDING PNEUMATIC ACTUATOR, CONTROLS TUBING, AND ALL MOUNTING HARDWARE. LOUVER TO REMAIN.
- MD22 DEMOLISH COMPLETE EXISTING GENERATOR EXHAUST LOUVER, MOTORIZED DAMPER, DUCTS, PNEUMATIC ACTUATOR, AND ALL RELATED CONTROLS TUBING. DEMOLISH OPENING FOR NEW LOUVER.
- MD23 DEMOLISH COMPLETE EXISTING PRESSURE SUPPLY DUCT MAINS AND RISERS FROM CEILING CAVITY TO 3RD FLOOR CEILING CAVITY.
- MD24 DEMOLISH COMPLETE ABANDONED CHILLED WATER PIPES FROM 1ST FLOOR CEILING TO 3RD FLOOR CEILING. REMOVE COMPLETELY ALL INSULATION, HANGERS, VALVES, CONNECTORS, AND RELATED EQUIPMENT.
- MD57 DEMOLISH COMPLETE EXISTING FAN, LOUVER, DAMPER, CONTROLS, AND ALL RELATED EQUIPMENT.
- MD60 BID ALTERNATE #1: DEMOLISH COMPLETE EXISTING FUEL OIL SUPPLY AND RETURN PIPING, FUEL OIL PUMP, AND REMOTE FUEL OIL SUPPLY AND RETURN PIPING INCLUDING ALL FITTINGS, HANGERS, VALVES, PUMPS AND RELATED EQUIPMENT. PIPES REMAIN IN PLACE IF BID ALTERNATE #2 IS NOT ACCEPTED. CONNECT EXISTING PIPES TO NEW DT-1.
- MD63 DEMOLISH COMPLETE EXISTING FUEL OIL STORAGE TANK INCLUDING OUTER CONTAINMENT SHELL. DEMOLISH FUEL OIL SUPPLY AND RETURN PIPING TO GENERATOR. DEMOLISH REMOTE FUEL TRANSFER SUPPLY AND RETURN OIL PIPING. COORDINATE EXTENT OF THIS DEMOLITION WITH NEW FUEL OIL STORAGE TANK. COORDINATE EXTENT AND DISCONNECT/DEMOLISH STORAGE TANK VENT FOR FUTURE CONNECTION TO NEW STORAGE TANK.
- MD66 DEMOLISH COMPLETE EXISTING STEAM HEATERS, PIPING, VALVES, CONTROLS, CONTROLS TUBING AND ALL RELATED EQUIPMENT.
- MD67 DEMOLISH COMPLETE EXISTING INTERNALLY LINED SUPPLY AIR DUCT RISER FROM 1ST LEVEL TO AHU IN PENTHOUSE.
- MD70 DEMOLISH COMPLETE EXISTING EXPANSION TANK. CONCRETE PAD TO REMAIN. PREPARE EXISTING PIPING FOR RECONNECTION TO NEW EXPANSION TANK.



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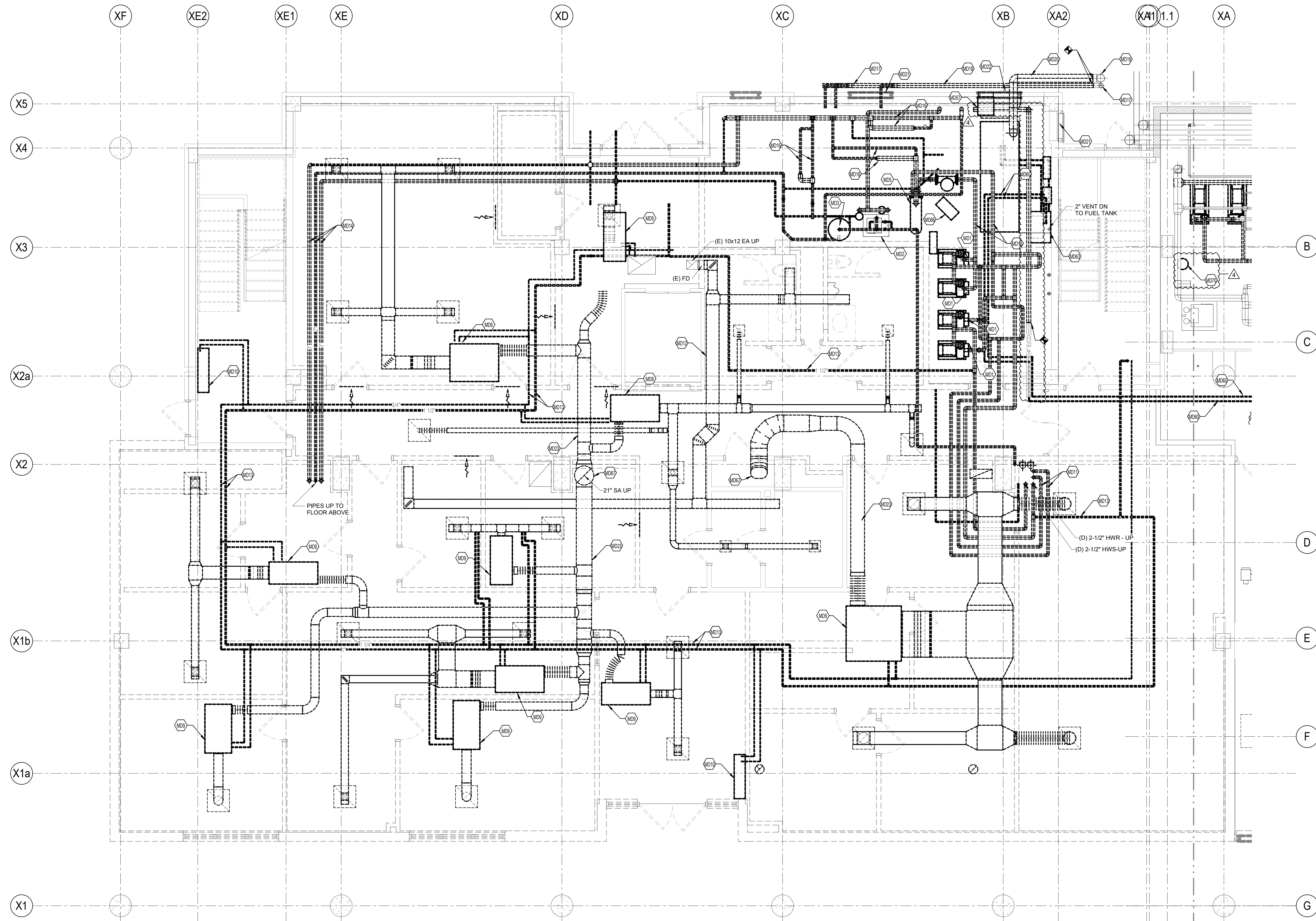
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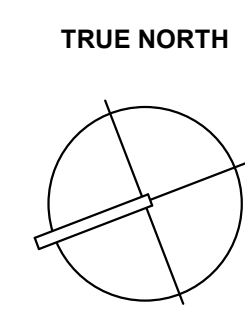
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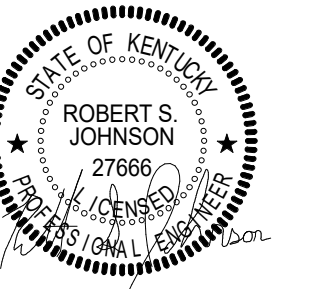
**LEVEL 01 MECHANICAL
DEMOLITION PLAN**

M2.1aR1



1 LEVEL 01 MECHANICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12' 16'





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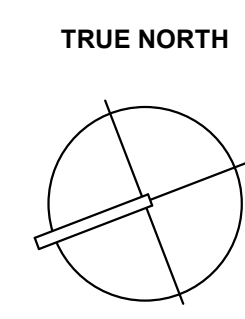
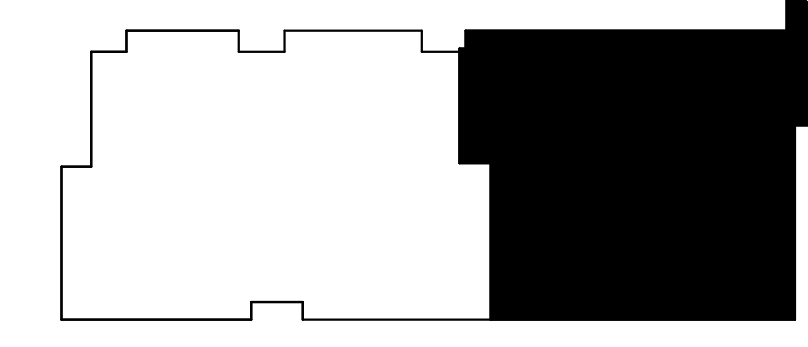
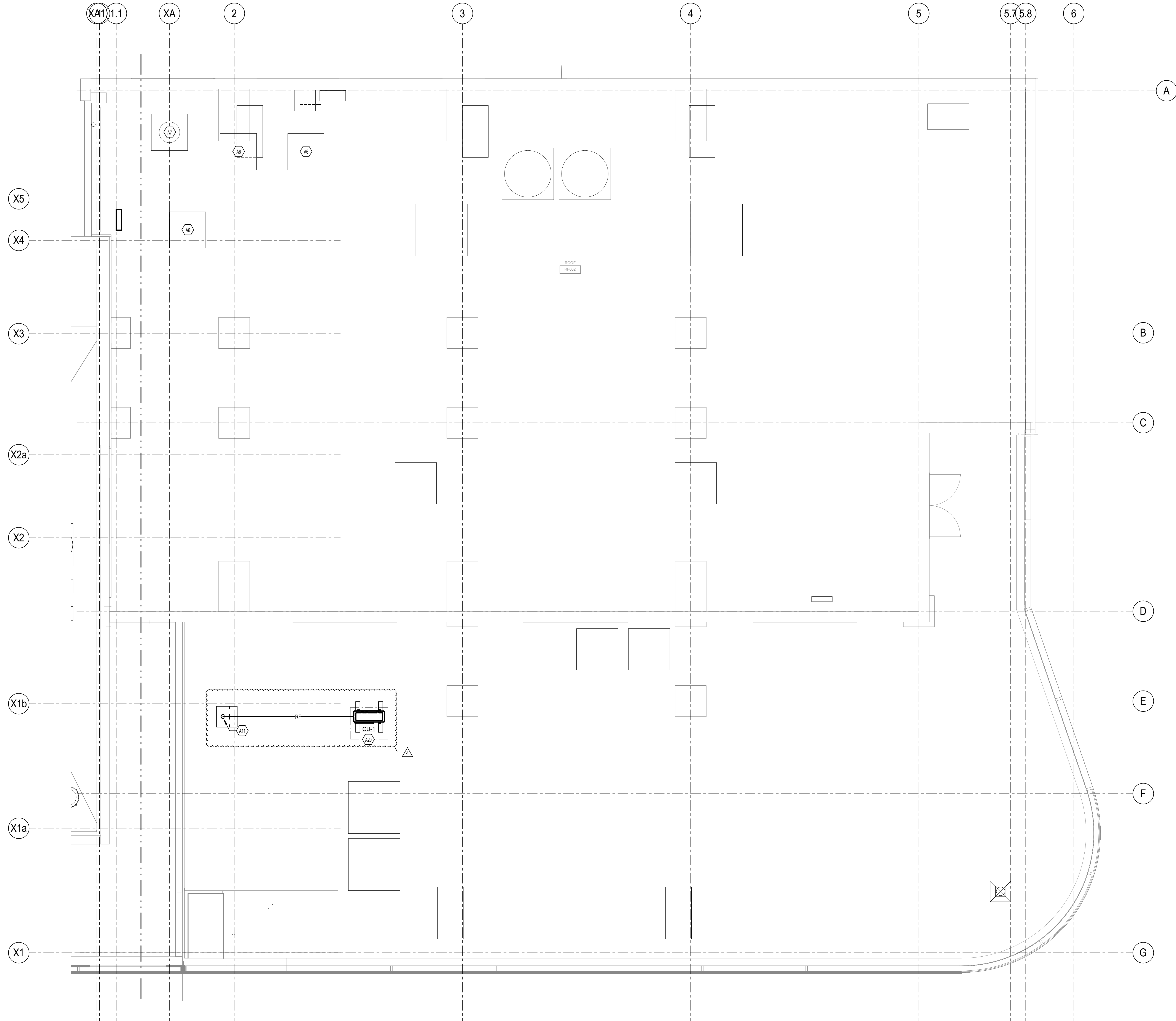
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▲	ADDENDUM 4	03/07/23

**ROOF AIR DISTRIBUTION
PLAN**

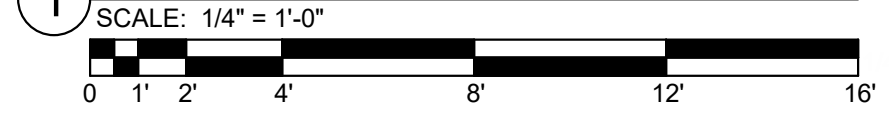
M3.6bR1

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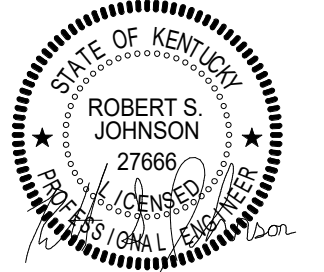
- A6 EXISTING ROOFTOP CONDENSING UNIT TO REMAIN.
- A7 EXISTING ROOFTOP EXHAUST FAN STACK TO REMAIN.
- A11 REFRIGERANT PIPING (SUCTION AND LIQUID) DOWN THROUGH ROOF. ALL REFRIGERANT PIPE SIZING AND ROUTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ROOF PIPING PENETRATION PER DETAIL ON SHEET M6.1. PROVIDE DURA-BLOK ROOFTOP PIPING SUPPORTS FOR REFRIGERANT PIPING ROUTED ACROSS ROOF.
- A20 PROVIDE SPLIT SYSTEM OUTDOOR UNIT ON EQUIPMENT RAILS. RAILS SHALL PROVIDE AT LEAST 18" BETWEEN ROOF SURFACE AND UNDERSIDE OF EQUIPMENT.



**ROOF AIR DISTRIBUTION NEW WORK PLAN -
CENTER ON AGING**



PRINT DATE: 3/7/2023 10:40:53 AM



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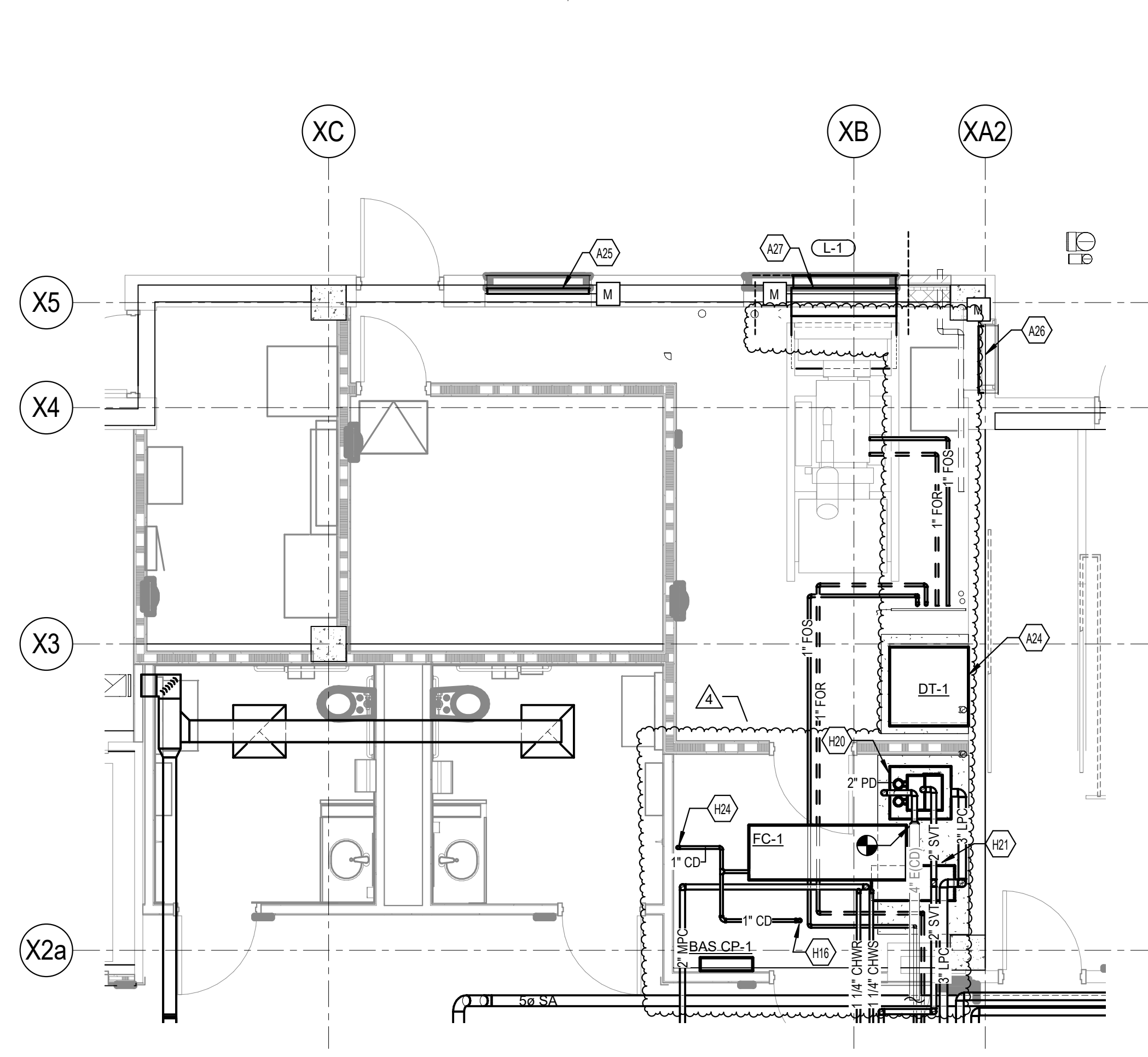
REVISIONS	DATE
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ENLARGED MECHANICAL ROOM PLAN

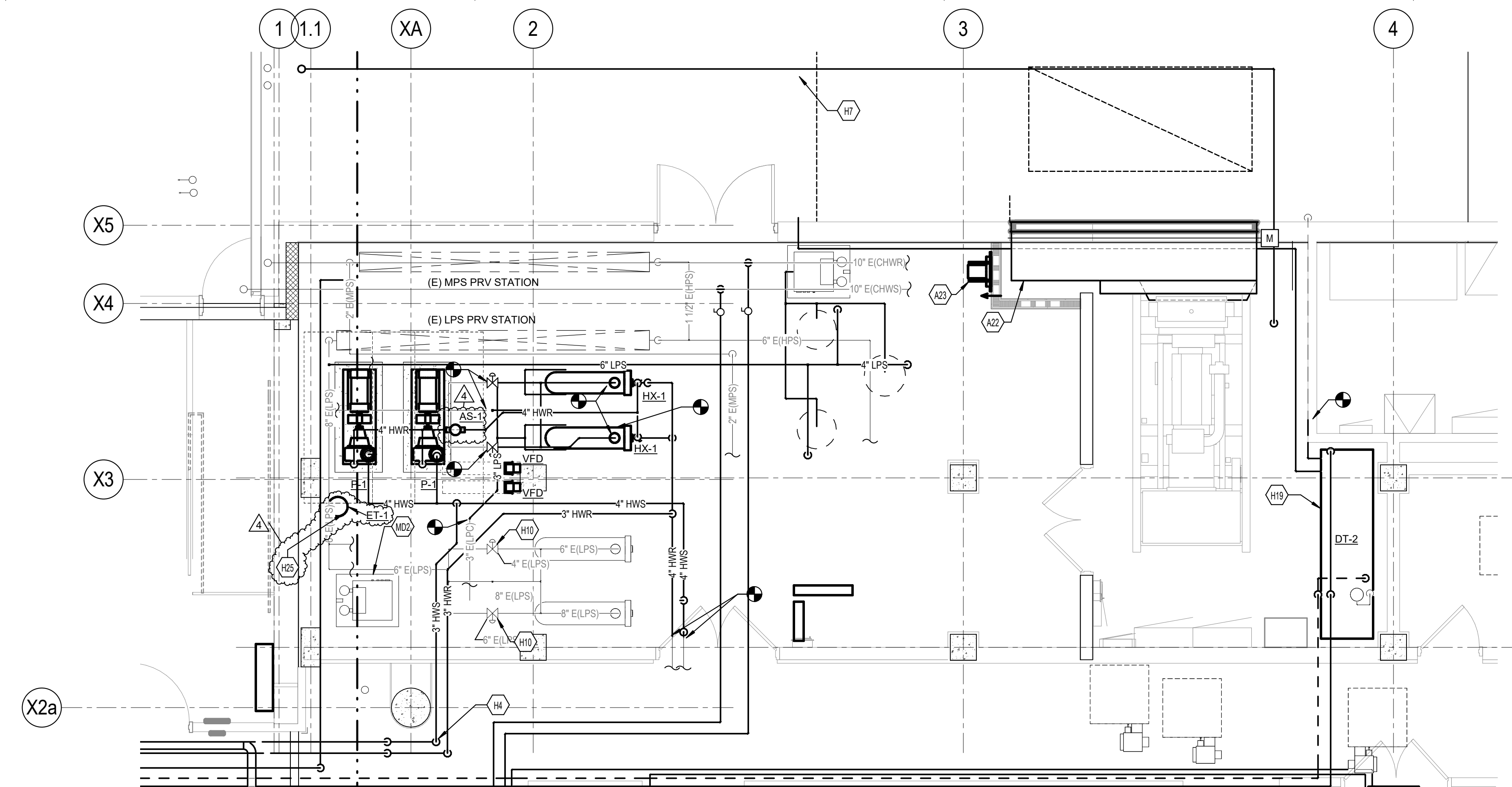
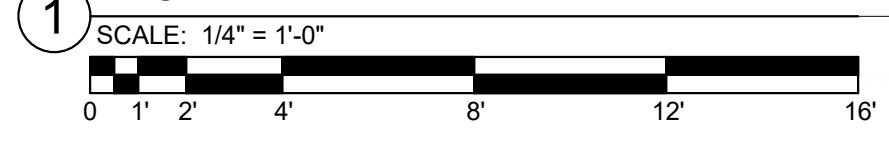
M3.7R1

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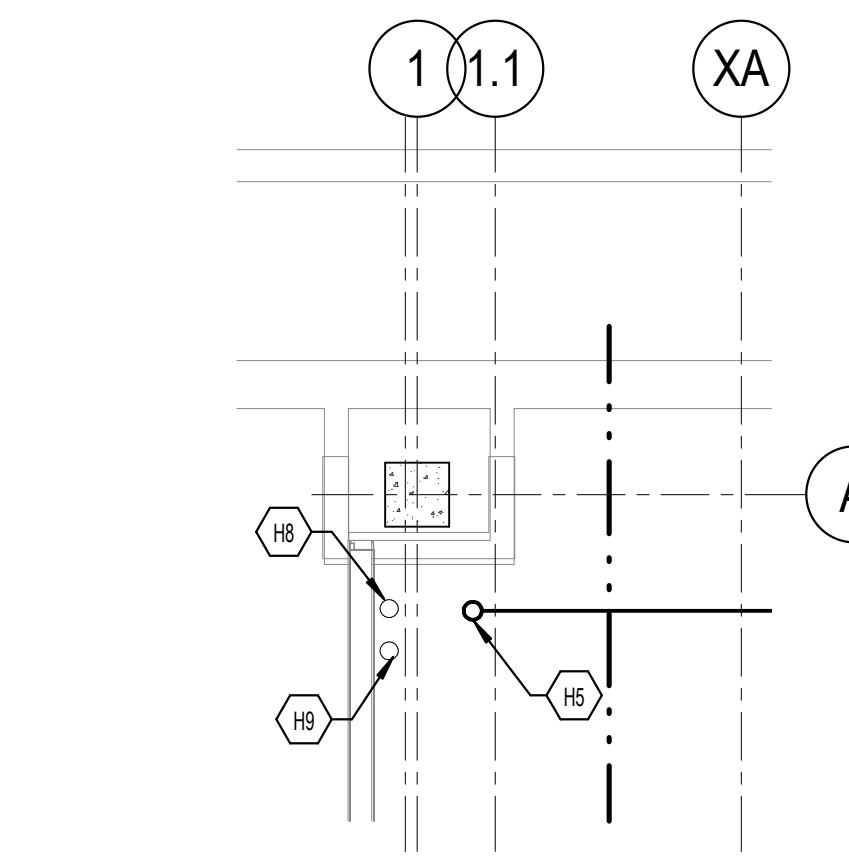
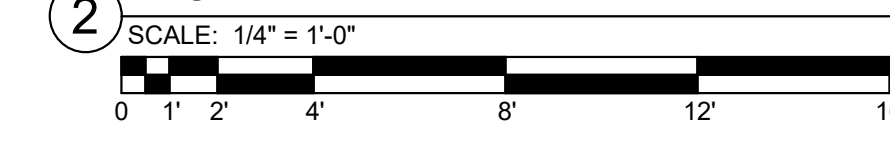
- A22 BID ALTERNATE #2: PROVIDE NEW COMPARTMENTED PLENUM FOR GENERATOR COOLING AND INTAKE AIR. TOP HALF SHALL BE MAKEUP AIR, BOTTOM HALF SHALL BE COOLING AIR. PROVIDE MOTORIZED DAMPER ON MAIN LOUVER.
- A23 BID ALTERNATE #2: REINSTALL SALVAGED FAN ON NEW WALL AND PLENUM. RECONNECT TO BAS.
- A24 PROVIDE NEW FUEL TANK ON HOUSEKEEPING PAD. PROVIDE FUEL SUPPLY AND RETURN PIPING FROM TANK TO NEW GENERATOR. CONNECT EXISTING 2" VENT TO TANK.
- A25 PROVIDE NEW MOTORIZED DAMPER FOR EXISTING 48" x 48" LOUVER. DAMPER SHALL BE NORMALLY CLOSED AND OPEN UPON GENERATOR ACTIVATION.
- A26 PROVIDE NEW MOTORIZED DAMPER FOR EXISTING 32" x 36" LOUVER. DAMPER SHALL BE NORMALLY CLOSED AND OPEN UPON GENERATOR ACTIVATION.
- A27 PROVIDE NEW MOTORIZED DAMPER FOR NEW 70" x 80" LOUVER. DAMPER SHALL BE NORMALLY CLOSED AND OPEN UPON GENERATOR ACTIVATION. PROVIDE DUCT FITTING FROM LOUVER OPENING TO GENERATOR RADIATOR SHROUD.
- H4 REFER TO SHEET M4.0 FOR CONTINUATION.
- H5 BID ALTERNATE #2: PROVIDE 12" GENERATOR MUFFLER EXHAUST PIPE IN PLACE OF DEMOLISHED 10" EXHAUST PIPE. ENLARGE EXISTING OPENINGS AS REQUIRED.
- H6 BID ALTERNATE #2: PROVIDE 12" GENERATOR MUFFLER EXHAUST PIPE THROUGH ROOF. PATCH AND REPAIR ROOF. TERMINATE PIPE WITH 90 DEG BEND. TAPER PIPE CUT TO NOT COLLECT WATER.
- H7 BID ALTERNATE #2: PROVIDE NEW 12" GENERATOR MUFFLER EXHAUST PIPE. ROUTE IN PLACE OF DEMOLISHED. PATCH AND REPAIR EXTERIOR ROOF. REFER TO ARCHITECTURAL.
- H8 BID ALTERNATE #2: IF BID ALTERNATE #2 IS ACCEPTED, DEMOLISH VERTICAL PORTION OF SAFETY RELIEF VENT DEMOLISHED IN BASE BID.
- H9 BID ALTERNATE #2: IF BID ALTERNATE #2 IS ACCEPTED, DEMOLISH VERTICAL PORTION OF DEMOLISHED GENERATOR MUFFLER EXHAUST PIPE.
- H10 BID ALTERNATE #1: PROVIDE NEOSTEAM CONTROL VALVES WITH DDG ACTUATORS.
- H16 PROVIDE 1" CONDENSATE DRAIN PIPE FROM IT SPACES ABOVE AND TERMINATE AT EXISTING FLOOR DRAIN.
- H19 BID ALTERNATE #2: PROVIDE NEW CUSTOM SIZED 600 GALLON FUEL OIL TANK. REFER TO SCHEDULE FOR SPECIFIC FOOTPRINT LIMITATIONS. CONNECT EXISTING VENT TO TANK. COORDINATE ELEVATION OF GRAVITY REMOTE FILL PIPE AND APPARATUS.
- H20 REINSTALL SALVAGED CONDENSATE TANK AND DUPLEX PUMPS. PIPE DISCHARGE TO EXISTING PUMPED DISCHARGE PIPE TO REMAIN. EXISTING CONDENSATE METERS TO REMAIN.
- H21 PROVIDE FLASH TANK. REFER TO PIPING SCHEDULE.
- H24 SPILL CONDENSATE TO EXISTING FLOOR DRAIN. REFER TO SHEET P3.0A FOR FLOOR DRAIN LOCATIONS.
- H25 PROVIDE NEW EXPANSION TANK AND REFILL EXISTING. RECONNECT TO EXISTING PIPING.
- MD2 REMOVE AND STORE WITHOUT DAMAGE EXISTING DUPLEX CONDENSATE PUMP AND RECEIVER TANK. DEMOLISH COMPLETE ALL STEAM CONDENSATE PIPING RETURN PIPING AND PUMPED CONDENSATE PIPING. DEMOLISH PUMPED CONDENSATE PIPING FROM PUMP TO CONDENSATE METER. CONDENSATE METERS TO REMAIN.



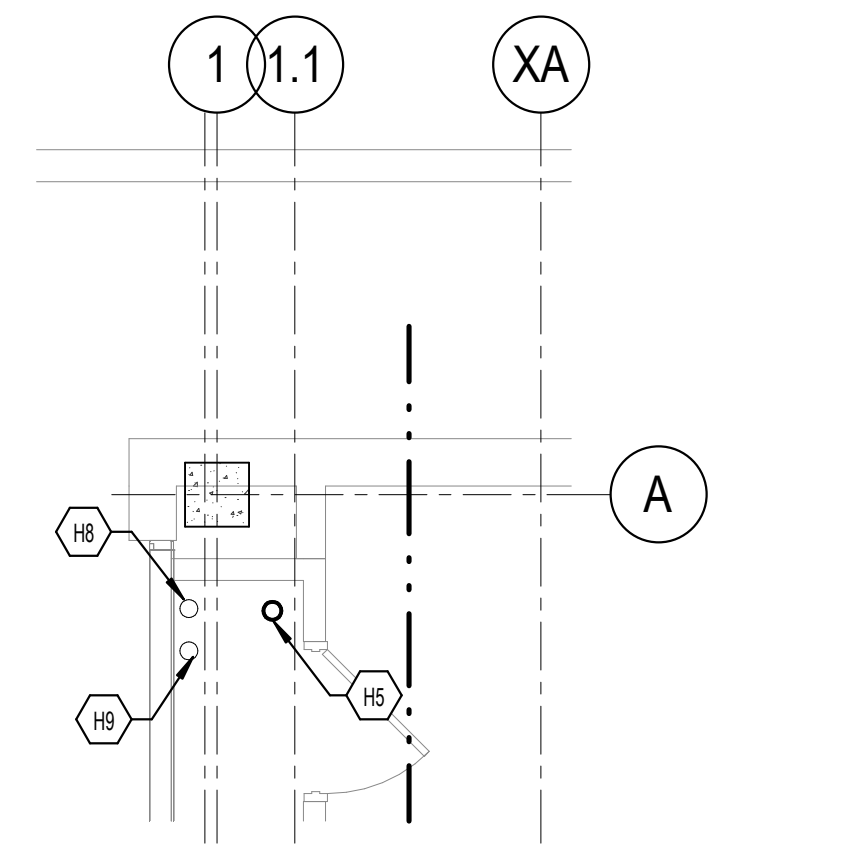
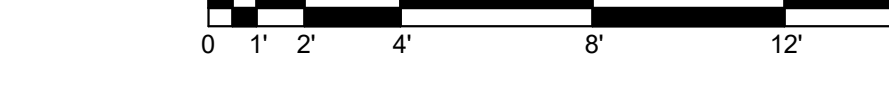
1979 MECHANICAL ROOM ENLARGED NEW WORK PLAN



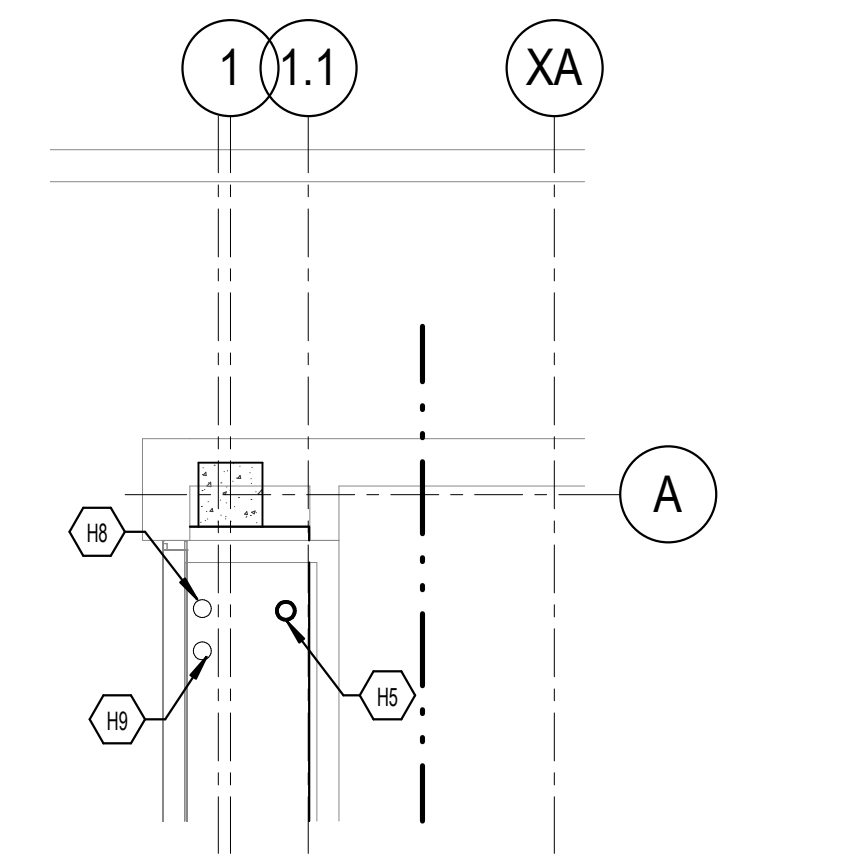
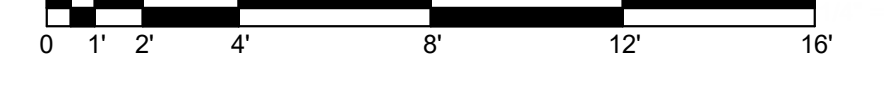
1996 MECHANICAL ROOM ENLARGED NEW WORK PLAN



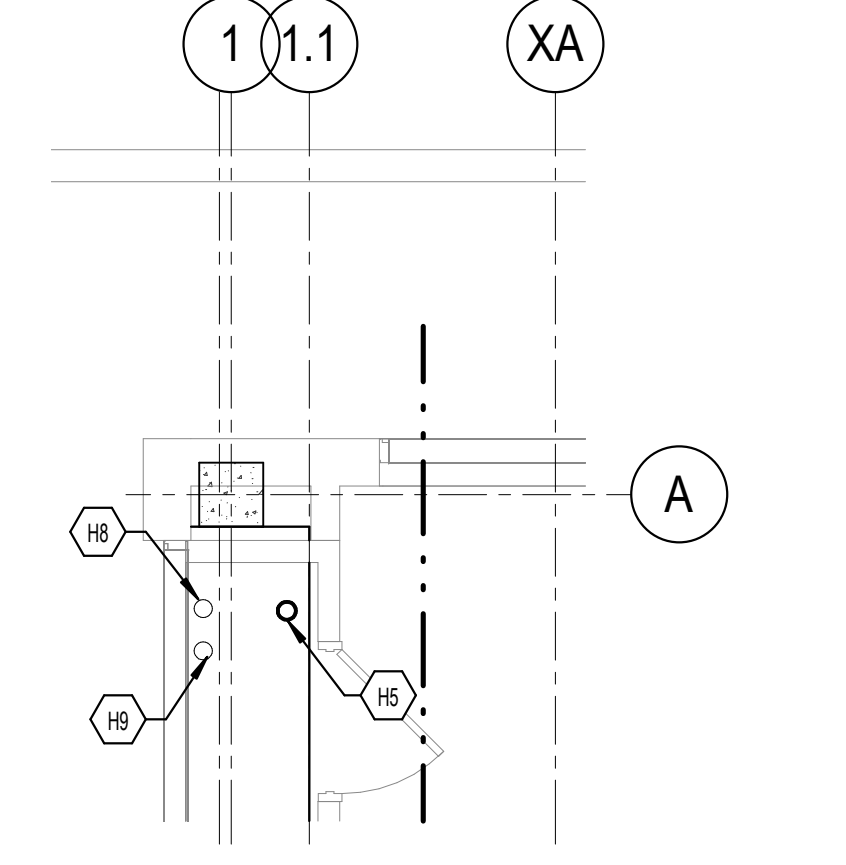
LEVEL ONE SHAFT ENLARGED VIEW



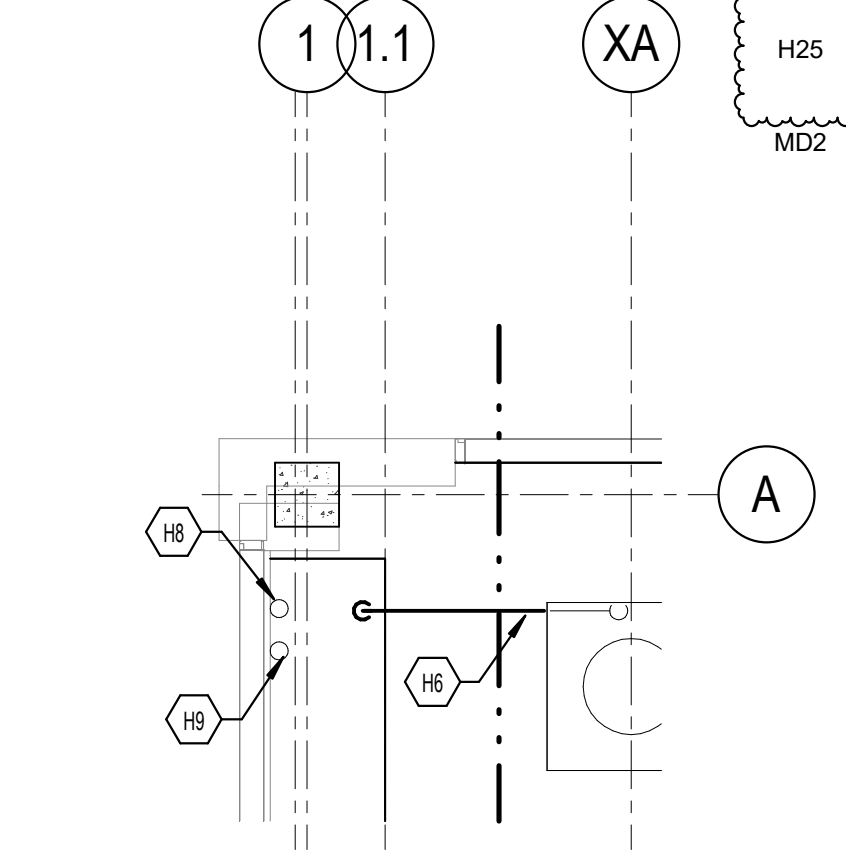
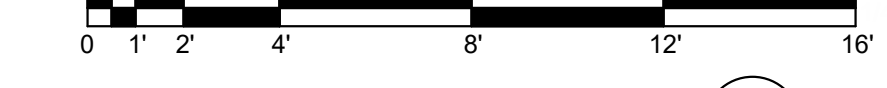
LEVEL TWO SHAFT ENLARGED VIEW



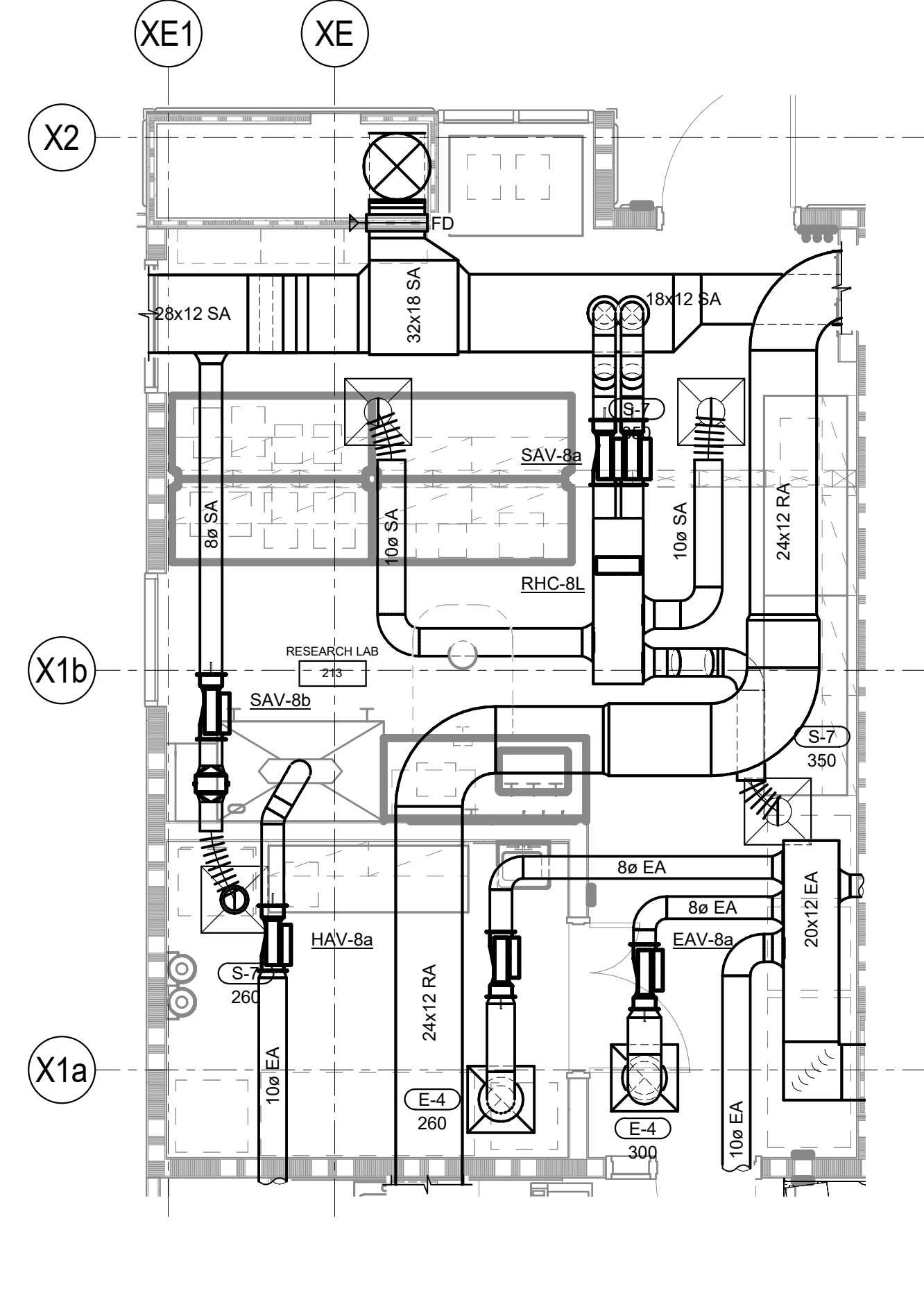
LEVEL THREE SHAFT ENLARGED VIEW



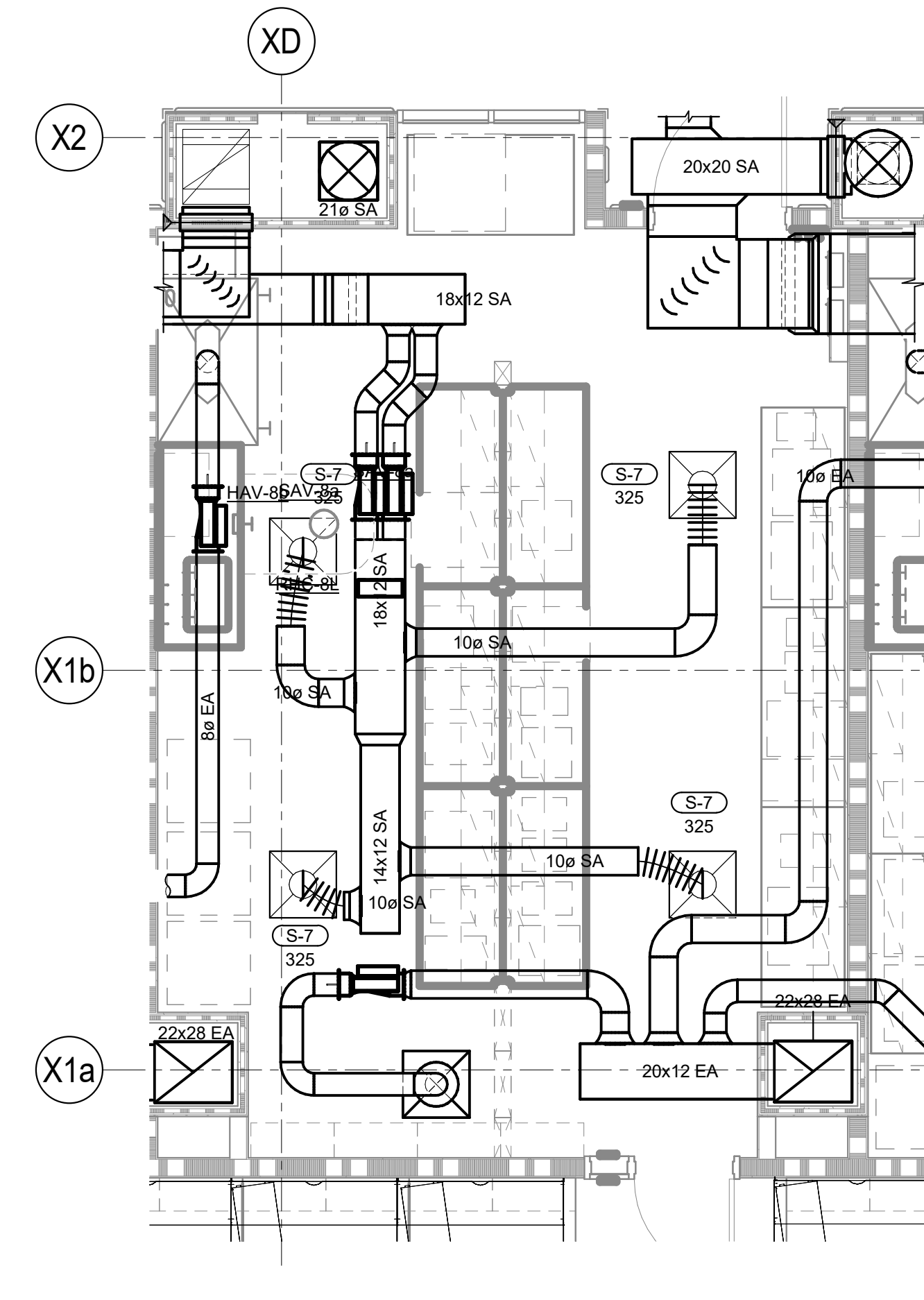
LEVEL FOUR SHAFT ENLARGED VIEW



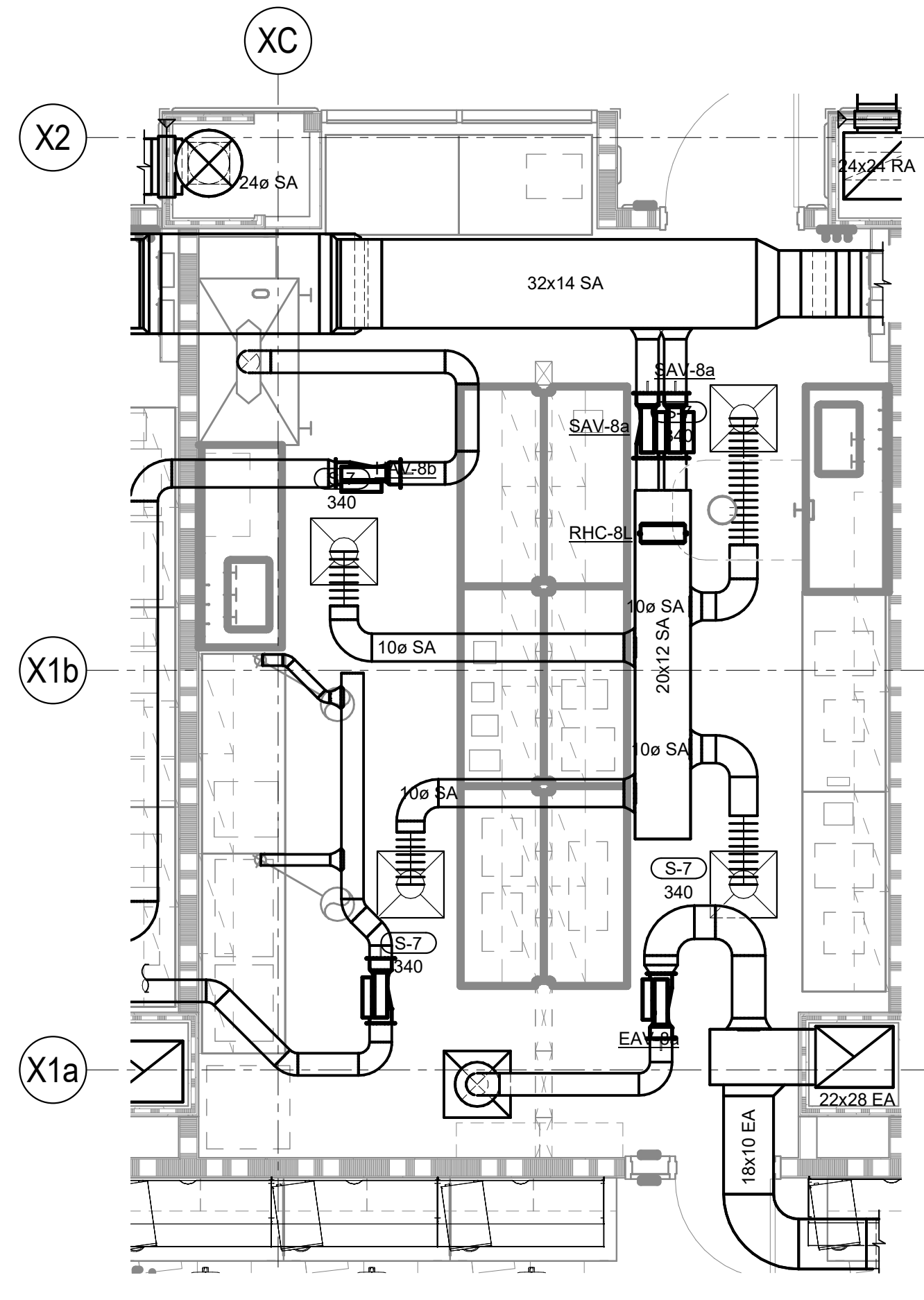
PENTHOUSE SHAFT ENLARGED VIEW



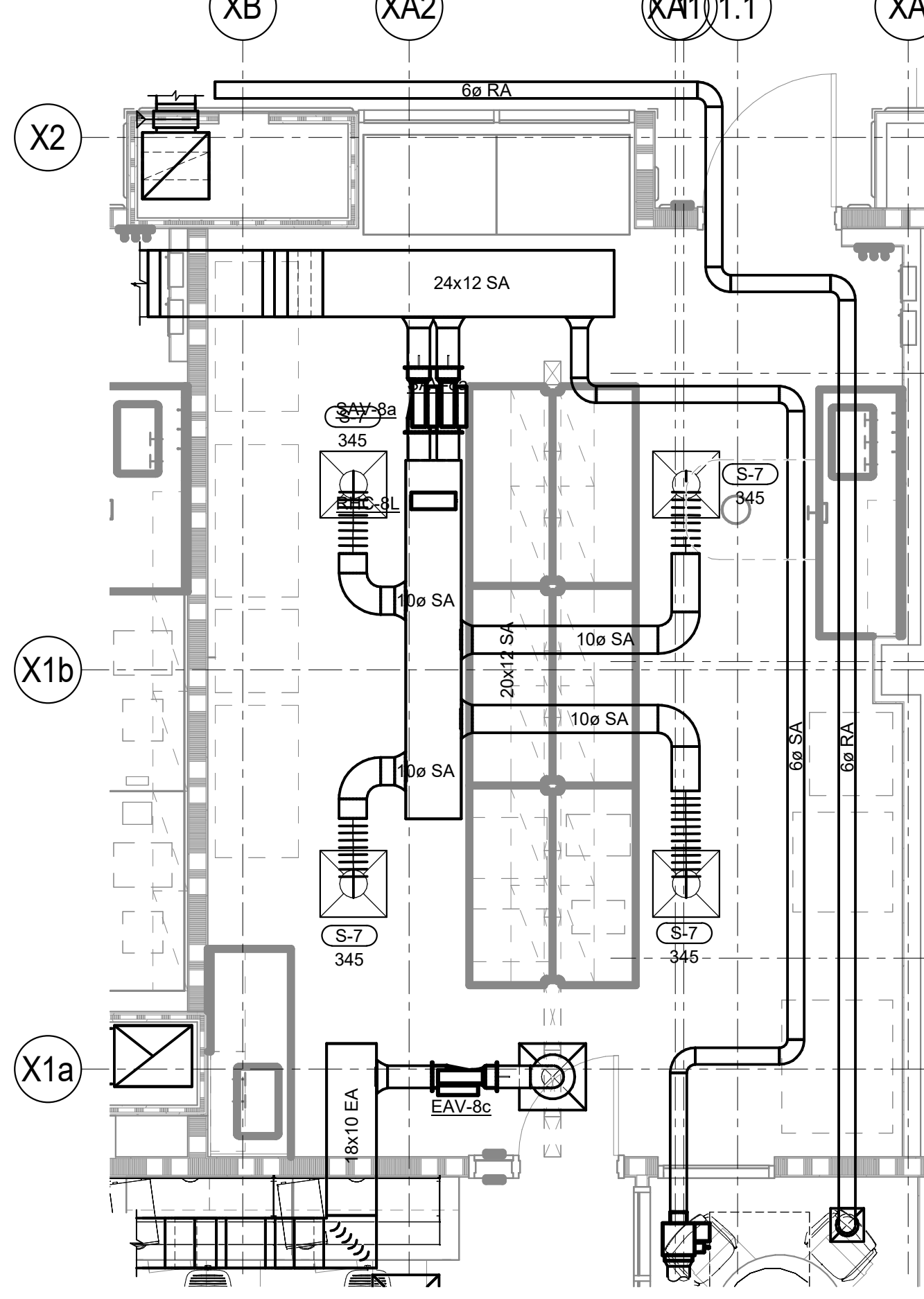
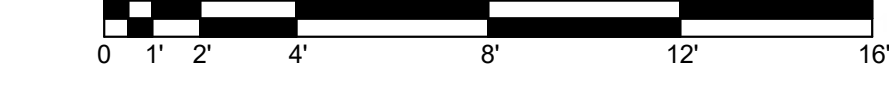
RESEARCH LAB 213 ENLARGED VIEW



RESEARCH LAB 211 ENLARGED VIEW



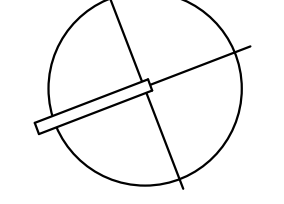
NEUROPATHOLOGY RESEARCH LAB 207 ENLARGED VIEW



BIOMARKER RESEARCH LAB 201 ENLARGED VIEW



TRUE NORTH



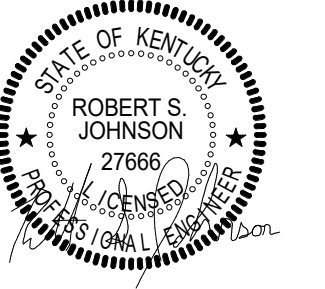
TAGGED NOTES

- H18 DISCHARGE CONDENSATE PIPING INTO EXISTING FLOOR DRAIN.
- H22 PROVIDE HEATING FAN COIL UNIT AND BRANCH PIPING WRAP WITH JACKET FOR ALL EXPOSED PIPING.
- H23 PROVIDE VERTICAL HEATING FAN COIL UNIT AND BRANCH PIPING. ROUTE PIPING IN CORNER AND WRAP WITH JACKET FOR ALL EXPOSED PIPING.

#



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IMPROVE SANDERS-BROWN CENTER
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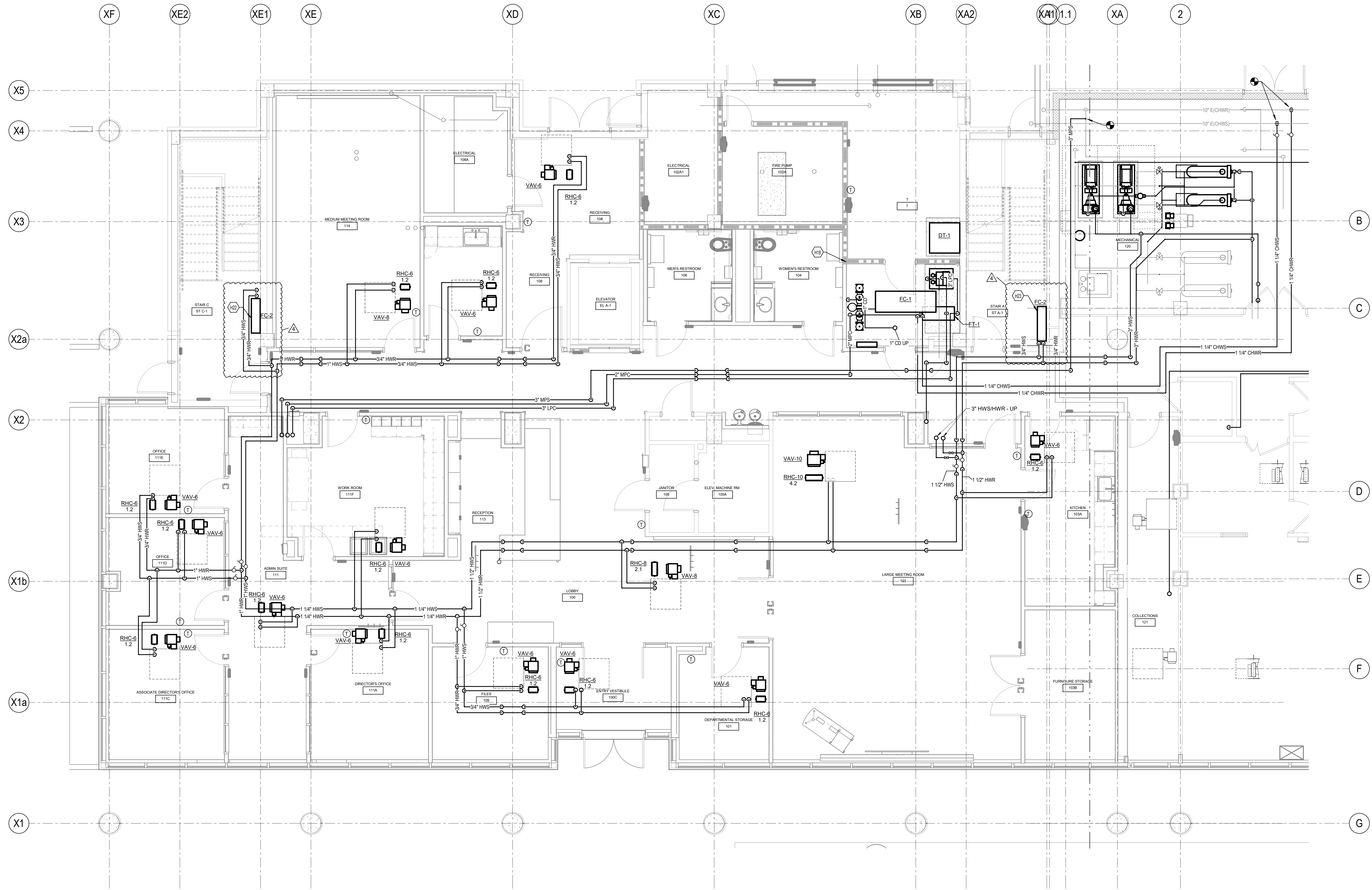
PROJECT NUMBER **UK: 2571.0**
OMNI: 2133

DATE **01/25/2023**
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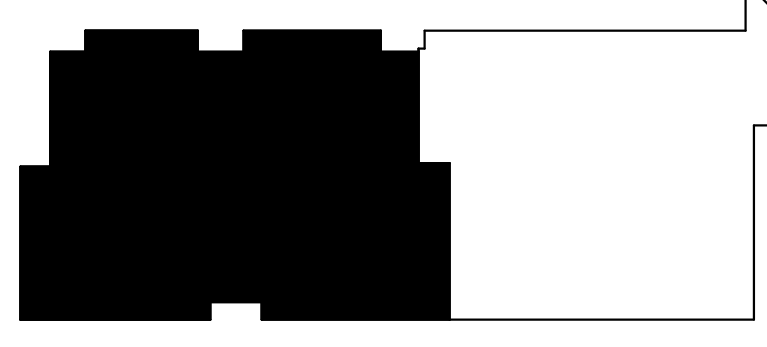
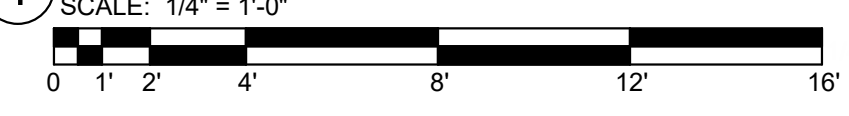
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▲	ADDENDUM 1 02/09/23
▲	ADDENDUM 2 02/17/23
▲	ADDENDUM 3 02/21/23
▲	ADDENDUM 4 03/07/23

LEVEL 01 HYDRONICS PLAN

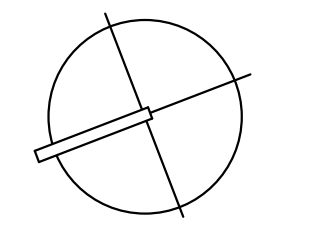
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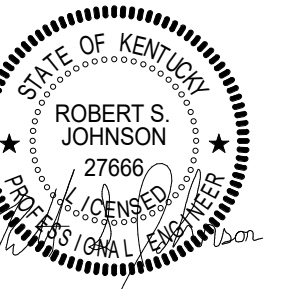
1 LEVEL ONE HYDRONICS NEW WORK PLAN



TRUE NORTH



PRINT DATE: 3/7/2023 10:41:13 AM



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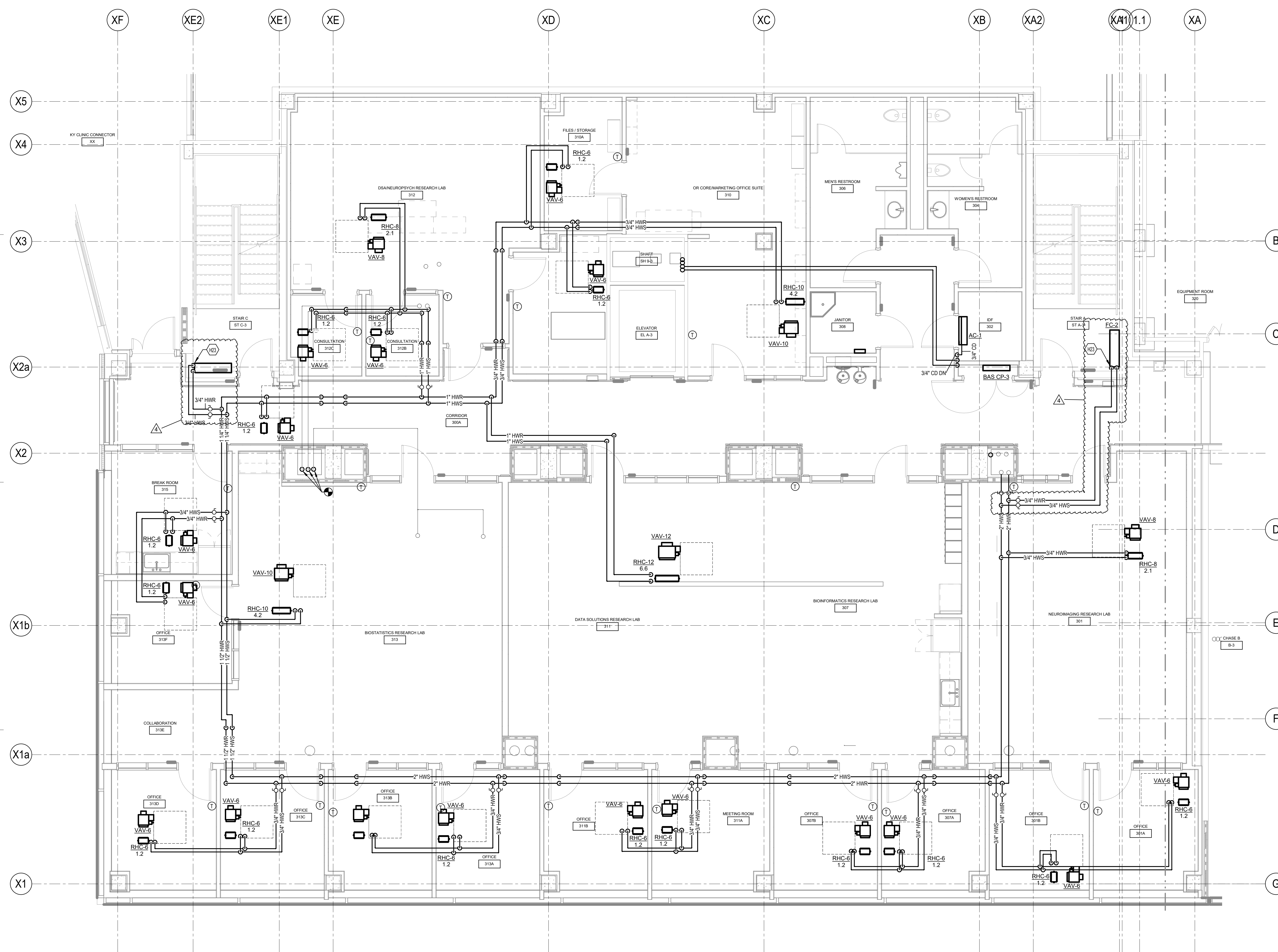
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▲	ADDENDUM 4	03/07/23

**LEVEL 03 HYDRONICS
PLAN**

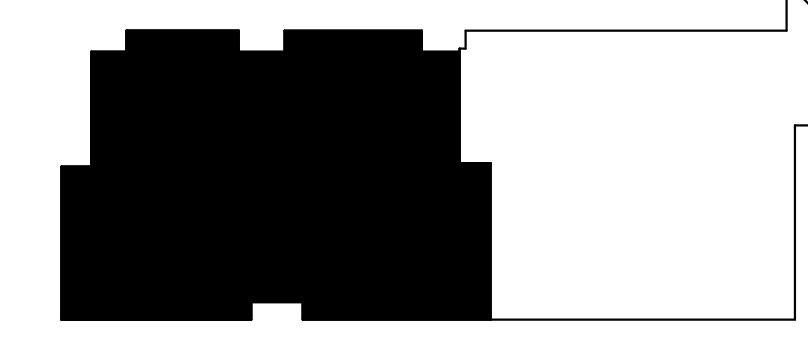
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ROUTE PIPING IN CORNER AND WRAP WITH JACKET FOR ALL EXPOSED PIPING.

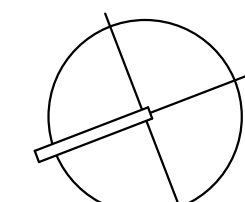


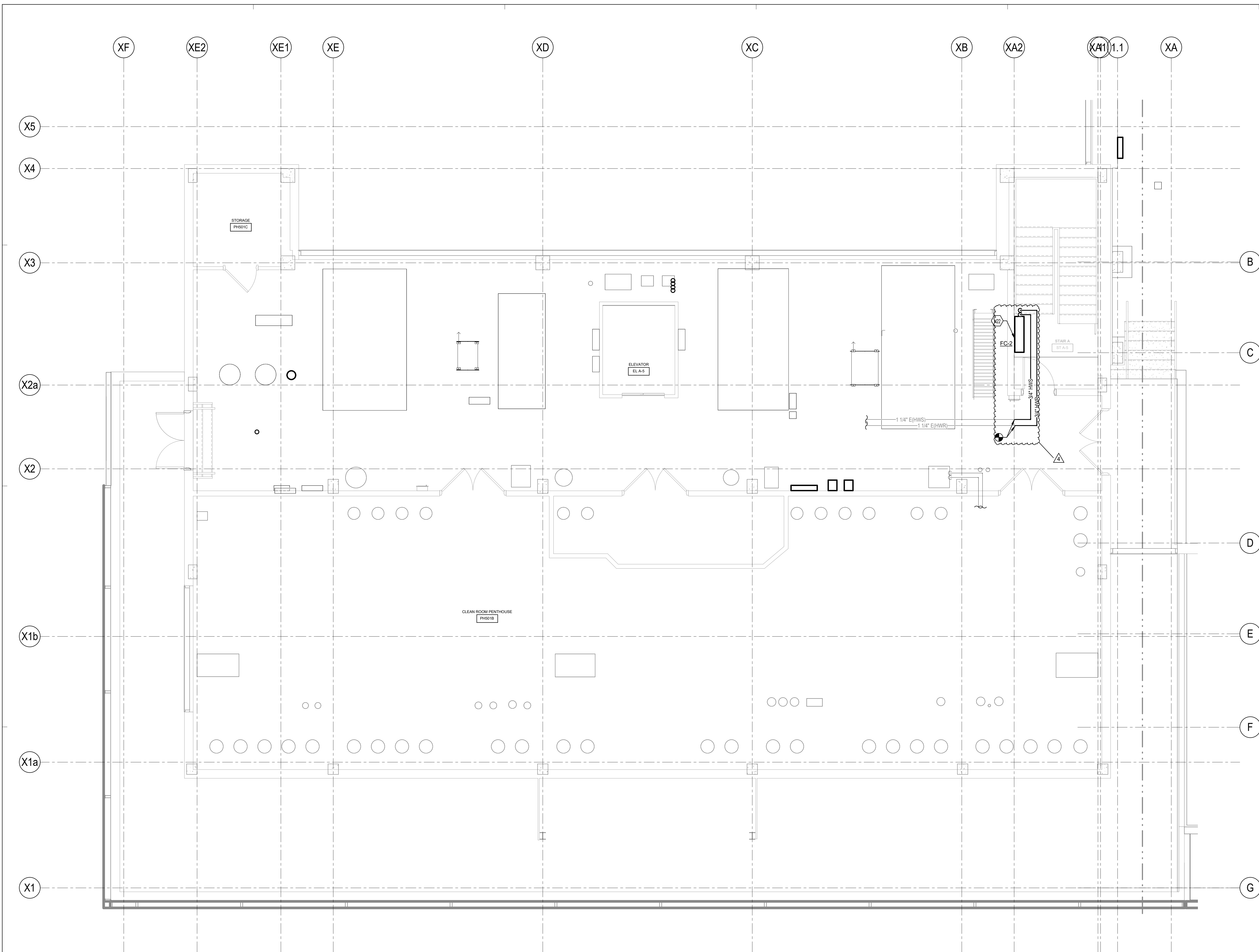
1 LEVEL THREE HYDRONICS NEW WORK PLAN

SCALE: 1/4" = 1'-0"
0 1' 2' 4' 8' 12' 16'



TRUE NORTH



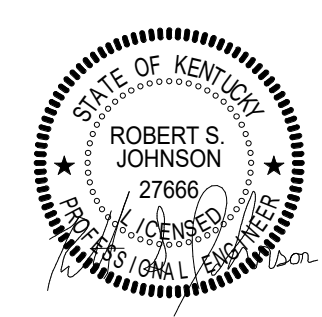
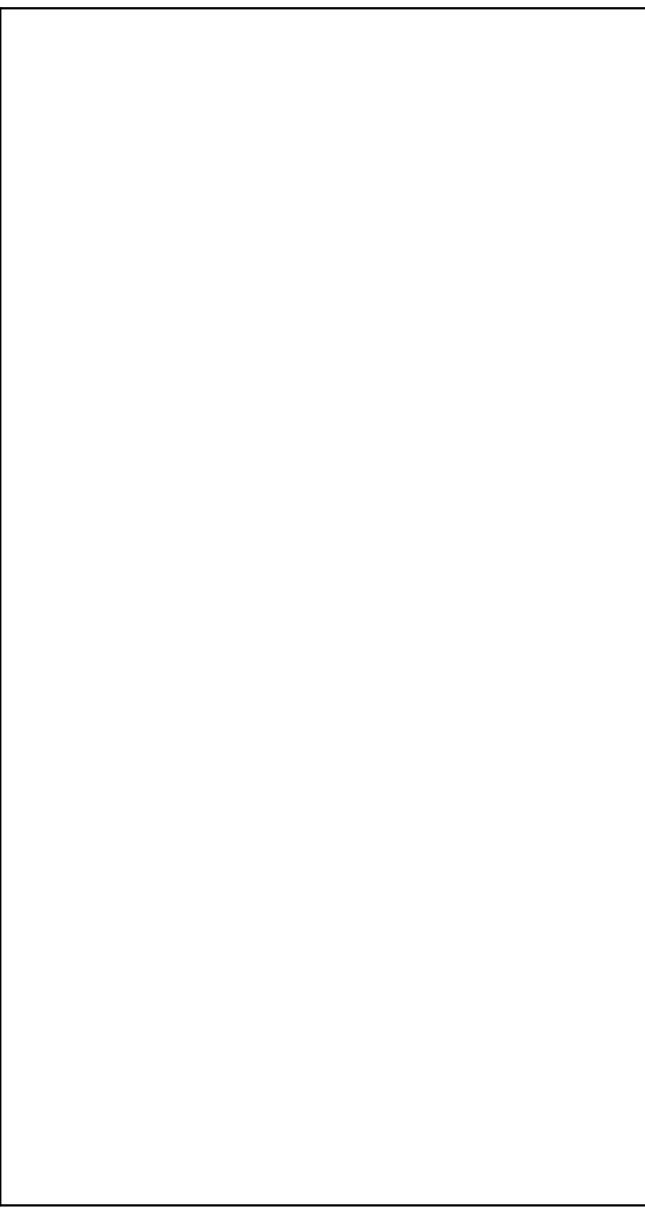


TAGGED NOTES
 H22 PROVIDE HEATING FAN COIL UNIT AND BRANCH PIPING. WRAP WITH JACKET FOR ALL EXPOSED PIPING.



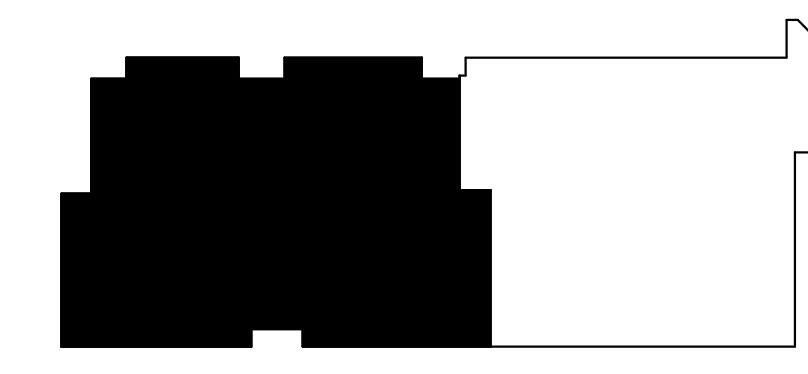
Omni
ARCHITECTS

212 North Upper Street
 Lexington, Kentucky 40507
 p. 859.252.6664
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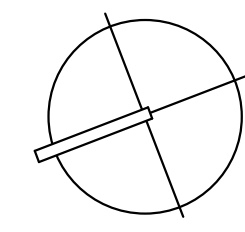


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1 PENTHOUSE HYDRONICS PLAN
 SCALE: 1/4" = 1'-0"



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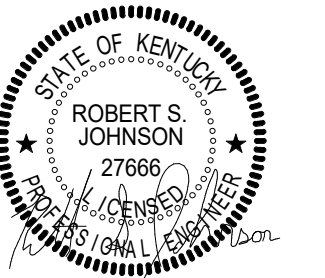
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**PENTHOUSE HYDRONICS
 NEW WORK PLAN**

M4.5aR1

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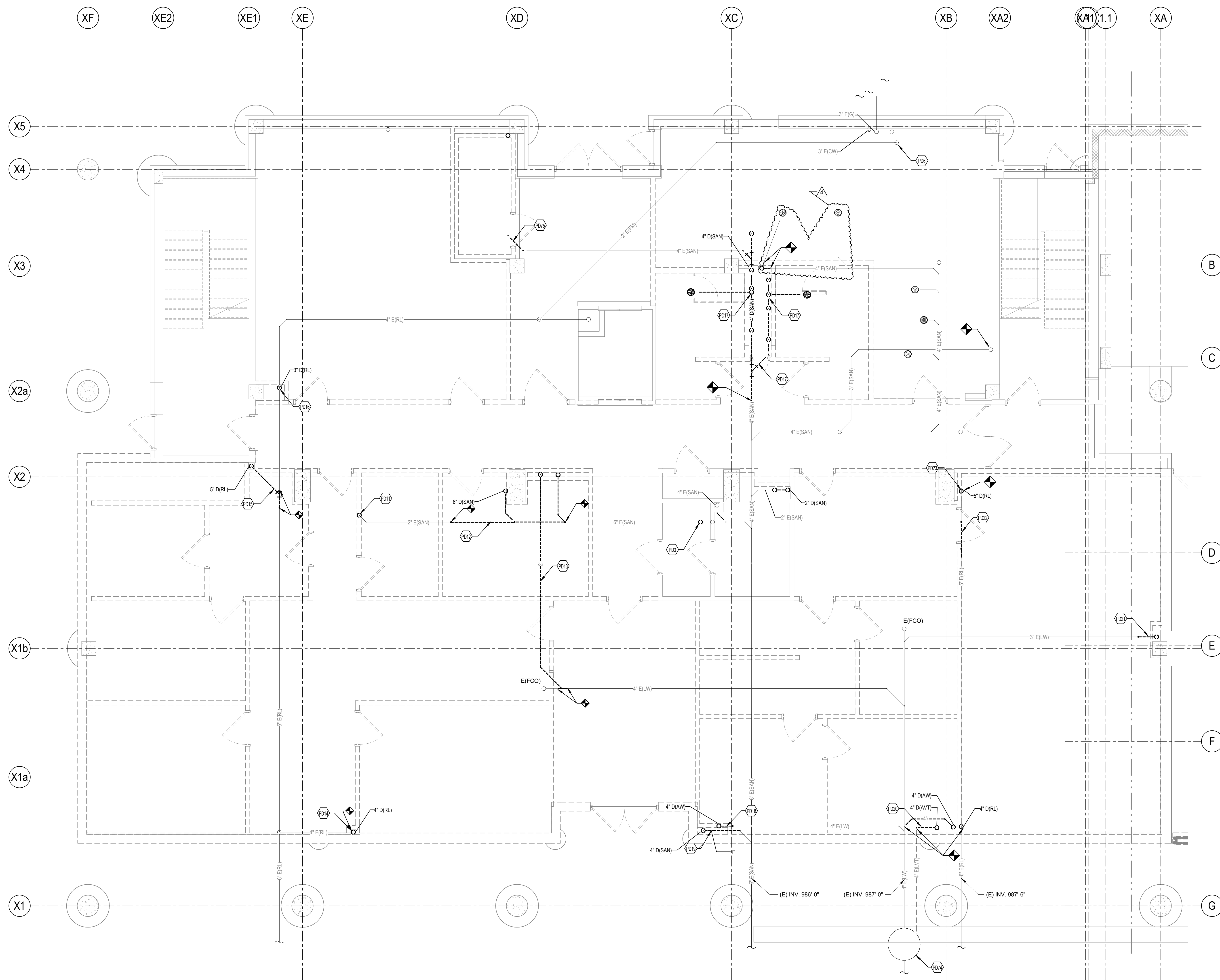
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**PLUMBING UNDERSLAB
DEMOLITION PLAN**

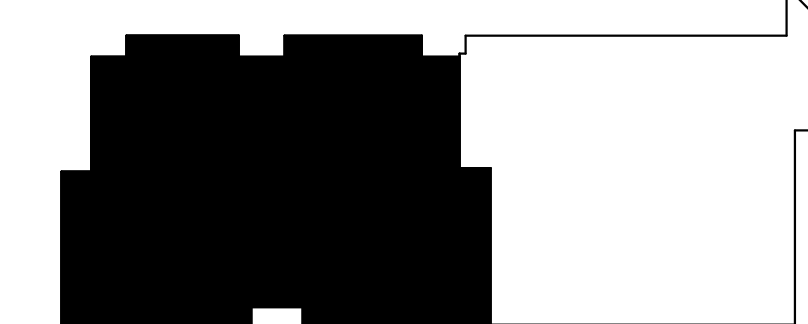
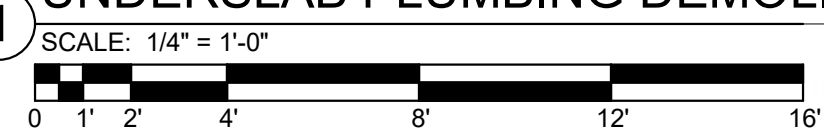
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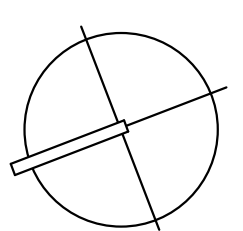
- PD3 CUT PIPE TO UNDERNEATH THE FLOOR SLAB. PATCH AND REPAIR FLOOR TO MATCH EXISTING.
- PD6 EXISTING FORCE MAIN DOWN TO SUMP PIT.
- PD11 DEMOLISH ALL ABOVE GROUND SANITARY AND VENT PIPING ASSOCIATED WITH PREVIOUSLY REMOVED SINK. REMOVE DRAIN TO JUST BELOW SLAB AND CAP.
- PD12 DEMOLISH COMPLETE UNDERGROUND SANITARY DRAIN AND ASSOCIATED RISERS. COORDINATE EXTENT OF DEMOLITION WITH NEW WORK PLAN. ABANDON REMAINING PIPE UNDERGROUND.
- PD13 DEMOLISH COMPLETE UNDERGROUND ACID WASTE DRAIN PIPE. DEMOLISH BACK TO 4" MAIN. PREPARE PIPE TO REMAIN FOR FUTURE CONNECTION.
- PD14 DEMOLISH COMPLETE UNDERGROUND RAIN LEADER DRAIN AND ASSOCIATED RISER. PERMANENTLY CAP MAIN.
- PD15 DEMOLISH COMPLETE UNDERGROUND RAIN LEADER PIPE AND ASSOCIATED RISER. PERMANENTLY CAP PIPE MAIN.
- PD16 DEMOLISH COMPLETE ROOF LEADER FROM UNDERGROUND ROOF LEADER DRAIN. PERMANENTLY CAP MAIN. DEMOLISH LEADER COMPLETE FROM MAIN TO 3RD FLOOR CEILING.
- PD17 DEMOLISH COMPLETE ALL UNDERGROUND SANITARY DRAIN PIPE ASSOCIATED WITH DEMOLISHED TOILET ROOMS. DEMOLISH ALL SANITARY RISERS TO 3RD FLOOR TOILET ROOMS. COORDINATE EXTENT OF UNDERGROUND DEMOLITION WITH NEW WORK PLAN.
- PD18 DEMOLISH COMPLETE ACID WASTE RISER AND UNDERGROUND DRAIN PIPE. COORDINATE EXTENT OF DEMOLITION WITH NEW WORK PLAN. PREPARE UNDERGROUND PIPE FOR FUTURE CONNECTION.
- PD19 DEMOLISH COMPLETE UNDERGROUND SANITARY WASTE DRAIN. DEMOLISH TO MAIN AND PERMANENTLY CAP.
- PD20 DEMOLISH COMPLETE ACID WASTE PIT VENT FROM UNDERSLAB TO ABOVE CEILING. PREPARE UNDERGROUND PIPE TO REMAIN FOR FUTURE RECONNECTION.
- PD21 DEMOLISH COMPLETE EXISTING ACID WASTE RISER AND UNDERGROUND ACID WASTE DRAIN. COORDINATE EXTENT OF UNDERGROUND DEMOLITION WITH NEW WORK PLAN. DEMOLISH RISER TO ABOVE CEILING COMPLETE.
- PD22 DEMOLISH COMPLETE PORTION OF EXISTING UNDERGROUND ROOF LEADER DRAIN PIPE. COORDINATE EXTENT OF REMOVAL WITH NEW WORK PLAN. ABANDON REMAINING ROOF LEADER PIPE.
- PD23 DEMOLISH COMPLETE EXISTING RAIN LEADER PIPE FROM UNDERGROUND TO 3RD FLOOR CEILING CAVITY.
- PD74 INSPECT, REMOVE EXISTING MEDIA AND CLEAN EXISTING ACID WASTE DILUTION PIT. PROVIDE NEW MEDIA AND PREPARE FOR REUSE.
- PD75 COORDINATE EXISTING UNDERGROUND LOCATION AND DEMOLISH PORTION OF UNDERGROUND FOR NEW UNDERGROUND SANITARY DRAIN. REFER TO NEW WORK PLAN FOR FUTURE LOCATION.

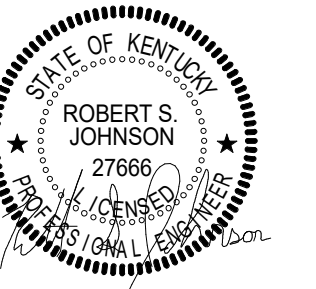


1 UNDERSLAB PLUMBING DEMOLITION PLAN



TRUE NORTH





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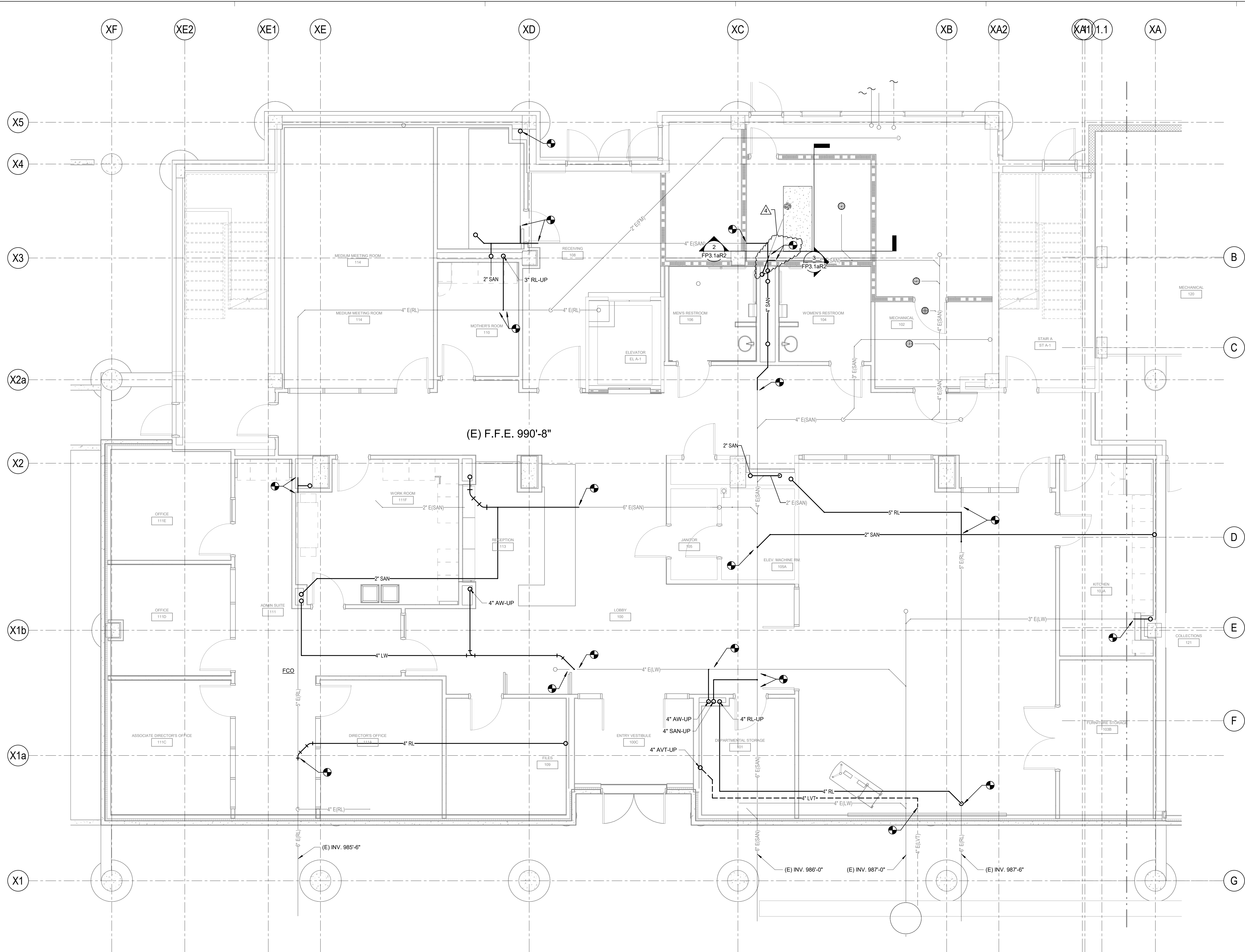
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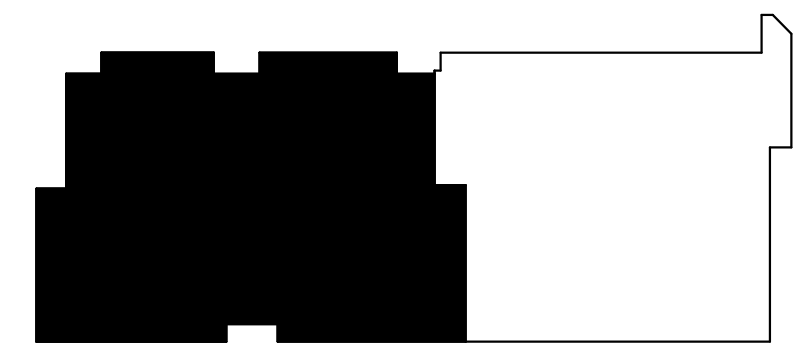
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▲	ADDENDUM 3 02/21/23
▲	ADDENDUM 4 03/07/23

LEVEL 01 PLUMBING
UNDERSLAB PLAN

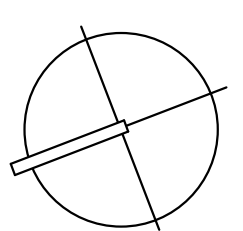
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1 UNDERSLAB PLUMBING PLAN
SCALE: 1/4" = 1'-0"



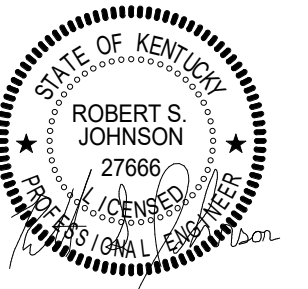
TRUE NORTH



TAGGED NOTES

P9 REINSTALL SALVAGED DOMESTIC WATER BACKFLOW DEVICES IN REDUNDANT ARRANGEMENT. PROVIDE STEEL STAND.

#



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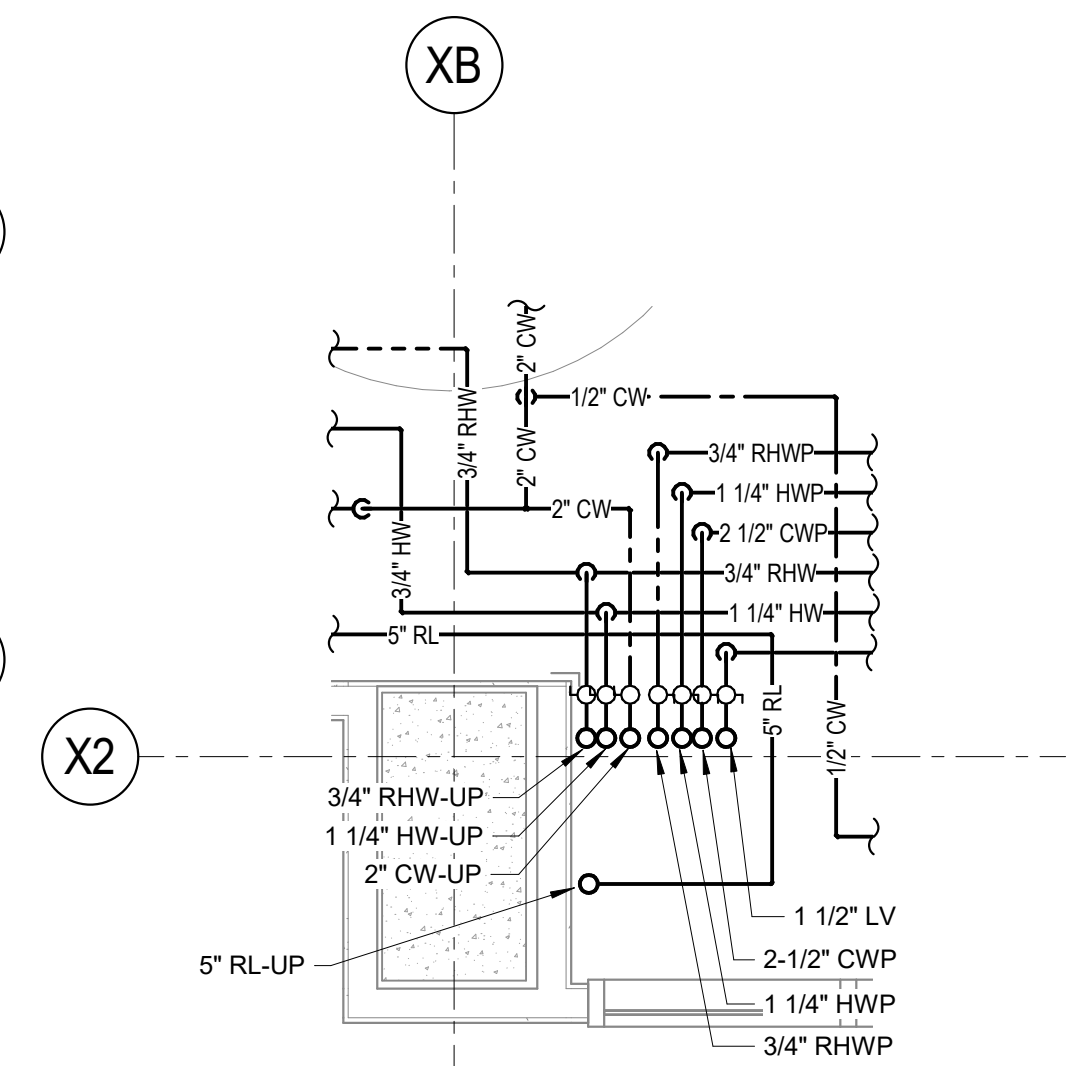
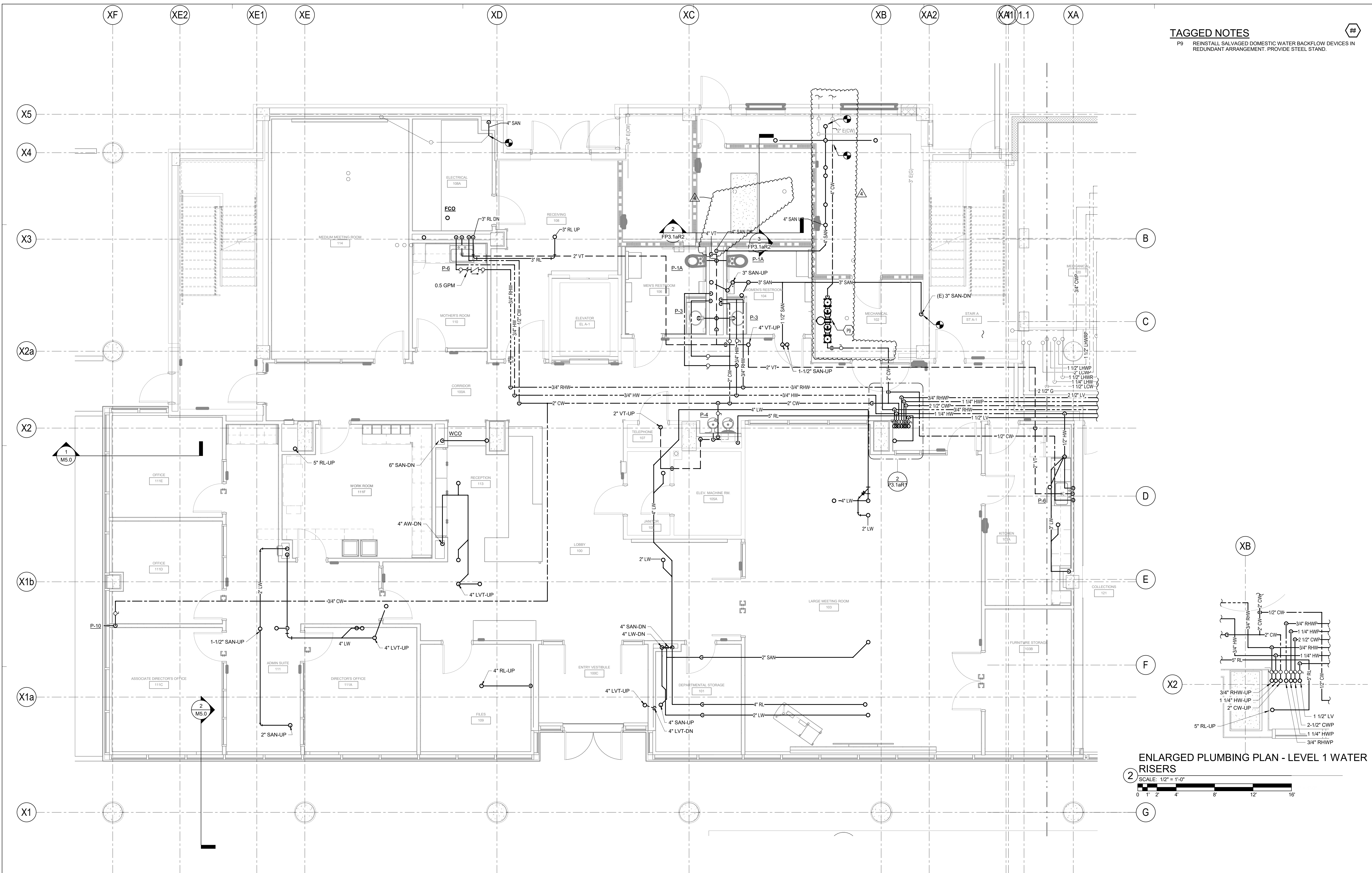
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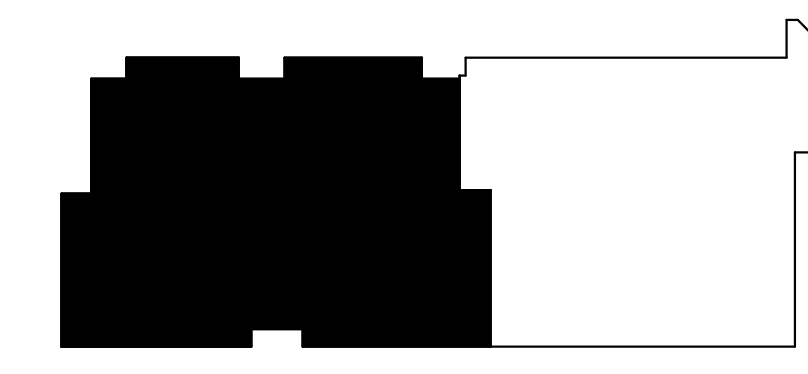
**LEVEL 01 PLUMBING
PLAN**

P3.1aR1

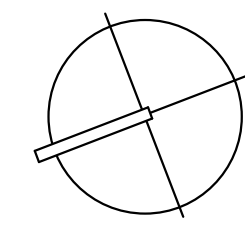


ENLARGED PLUMBING PLAN - LEVEL 1 WATER RISERS
SCALE: 1/2" = 1'-0"
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1 LEVEL 01 PLUMBING PLAN
P3.1aR1 1/4" = 1'-0"

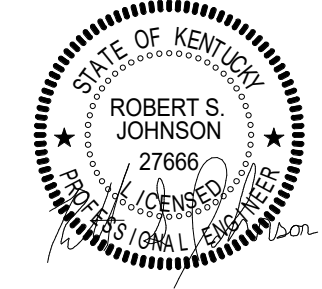
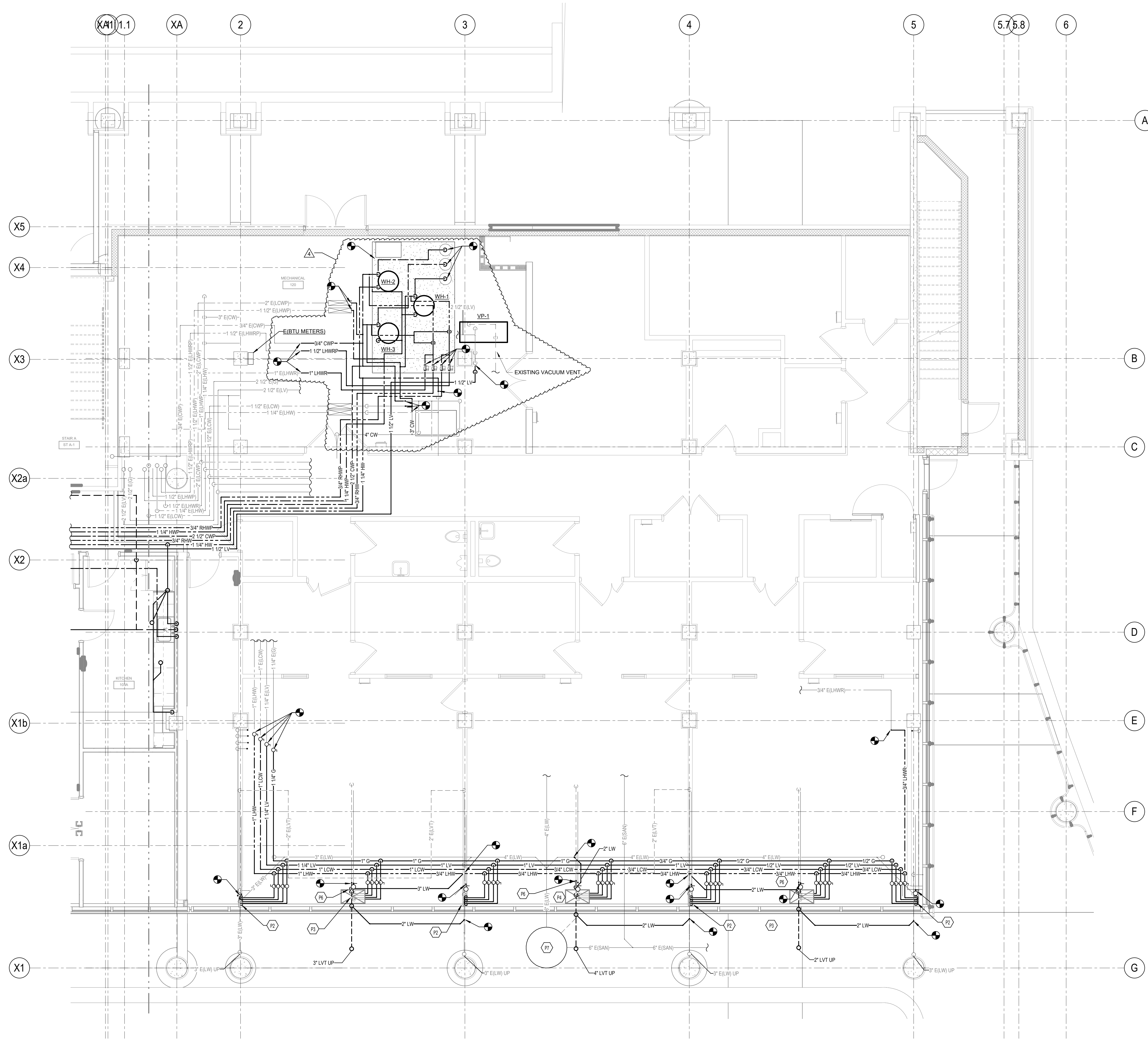


TRUE NORTH



TAGGED NOTES

- P2 DROP HOT, COLD, VACUUM, AND NATURAL GAS PIPING INTO WALL. CONNECT NEW PIPING TO EXISTING PIPING CONCEALED IN WALL.
- P3 DROP HOT, COLD, VACUUM, AND NATURAL GAS PIPING INTO CHASE. CONNECT NEW PIPING TO EXISTING PIPING CONCEALED IN CHASE. ROUTE ACID VENT STACK UP THROUGH CHASE AND CONNECT EXISTING VENT PIPING TO NEW VENT STACK. FIELD VERIFY EXACT LOCATIONS.
- P6 CONNECT NEW LAB WASTE PIPING TO EXISTING. DROP PIPE TO THE UNDERSLAB AND CONNECT TO POINT INDICATED ON PLANS. REFER TO PLANS FOR CONTINUATION. FIELD VERIFY EXACT LOCATIONS.
- P7 EXISTING LAB WASTE DILUTION PIT.



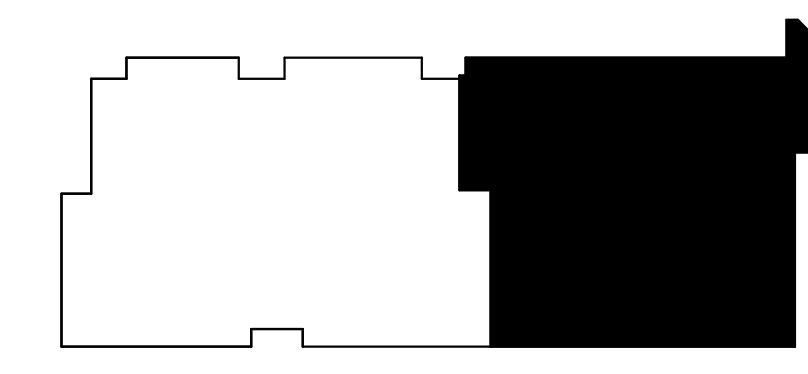
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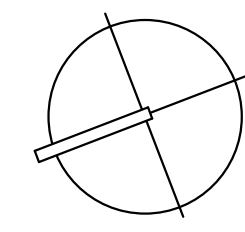
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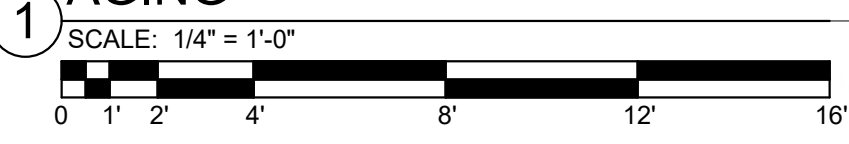
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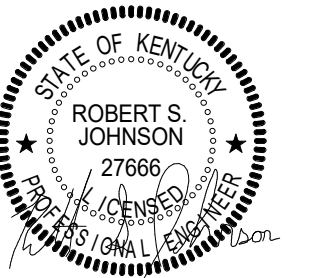


**LEVEL 01 PLUMBING
PLAN**

P3.1bR1

LEVEL 01 PLUMBING PLAN - CENTER ON AGING





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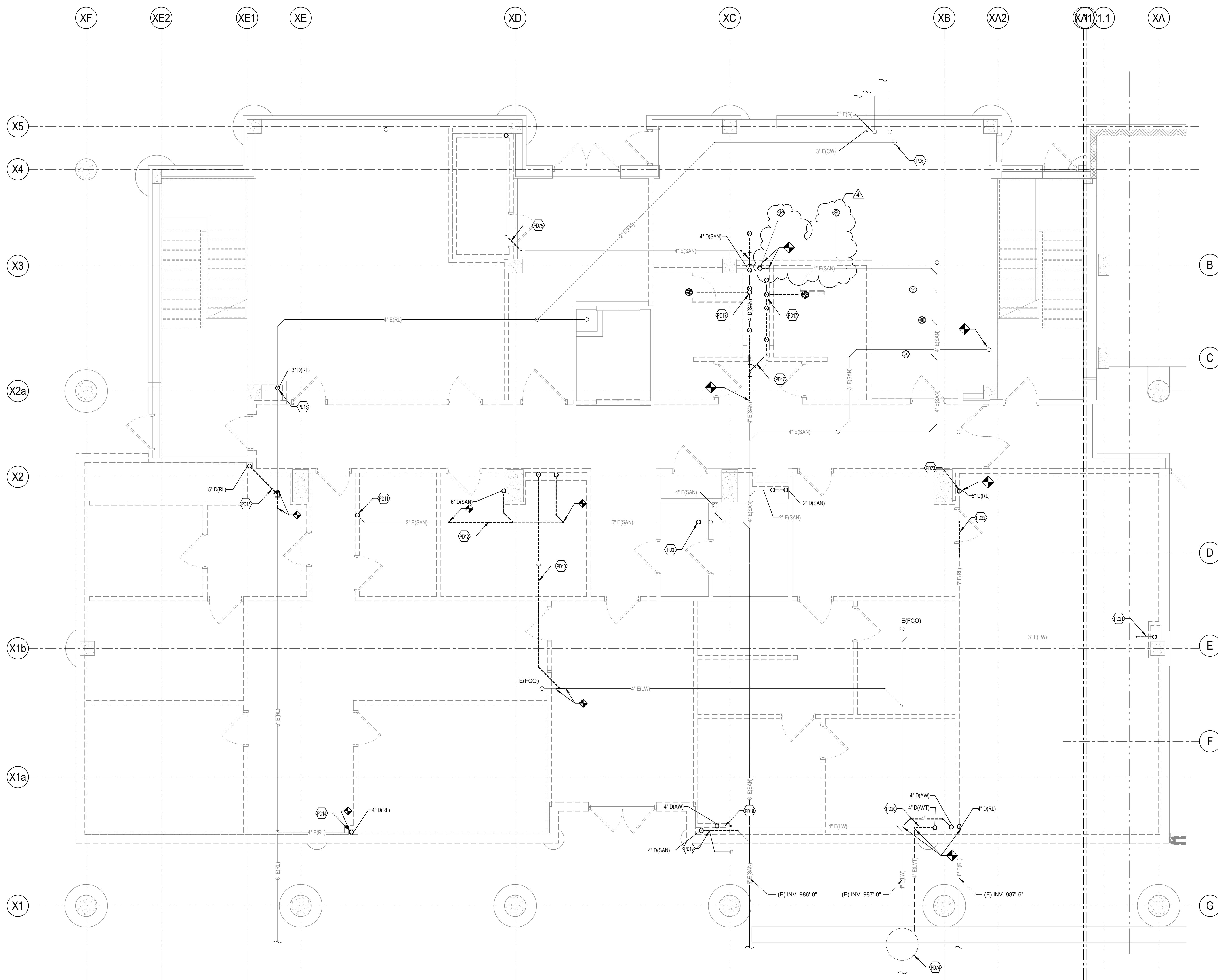
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**PLUMBING UNDERSLAB
DEMOLITION PLAN**

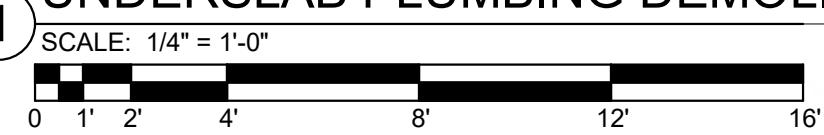
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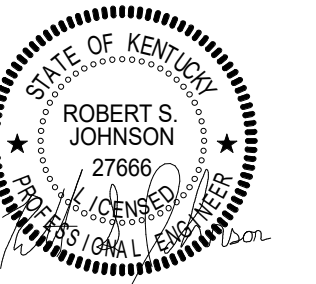
TAGGED NOTES

- PD3 CUT PIPE TO UNDERNEATH THE FLOOR SLAB. PATCH AND REPAIR FLOOR TO MATCH EXISTING.
- PD6 EXISTING FORCE MAIN DOWN TO SUMP PIT.
- PD11 DEMOLISH ALL ABOVE GROUND SANITARY AND VENT PIPING ASSOCIATED WITH PREVIOUSLY REMOVED SINK. REMOVE DRAIN TO JUST BELOW SLAB AND CAP.
- PD12 DEMOLISH COMPLETE UNDERGROUND SANITARY DRAIN AND ASSOCIATED RISERS. COORDINATE EXTENT OF DEMOLITION WITH NEW WORK PLAN. ABANDON REMAINING PIPE UNDERGROUND.
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- PD14 DEMOLISH COMPLETE UNDERGROUND RAIN LEADER DRAIN AND ASSOCIATED RISER. PERMANENTLY CAP MAIN.
- PD15 DEMOLISH COMPLETE UNDERGROUND RAIN LEADER PIPE AND ASSOCIATED RISER. PERMANENTLY CAP PIPE MAIN.
- PD16 DEMOLISH COMPLETE ROOF LEADER FROM UNDERGROUND ROOF LEADER DRAIN. PERMANENTLY CAP MAIN. DEMOLISH LEADER COMPLETE FROM MAIN TO 3RD FLOOR CEILING.
- PD17 DEMOLISH COMPLETE ALL UNDERGROUND SANITARY DRAIN PIPE ASSOCIATED WITH DEMOLISHED TOILET ROOMS. DEMOLISH ALL SANITARY RISERS TO 3RD FLOOR TOILET ROOMS. COORDINATE EXTENT OF UNDERGROUND DEMOLITION WITH NEW WORK PLAN.
- PD18 DEMOLISH COMPLETE ACID WASTE RISER AND UNDERGROUND DRAIN PIPE. COORDINATE EXTENT OF DEMOLITION WITH NEW WORK PLAN. PREPARE UNDERGROUND PIPE FOR FUTURE CONNECTION.
- PD19 DEMOLISH COMPLETE UNDERGROUND SANITARY WASTE DRAIN. DEMOLISH TO MAIN AND PERMANENTLY CAP.
- PD20 DEMOLISH COMPLETE ACID WASTE PIT VENT FROM UNDERSLAB TO ABOVE CEILING. PREPARE UNDERGROUND PIPE TO REMAIN FOR FUTURE RECONNECTION.
- PD21 DEMOLISH COMPLETE EXISTING ACID WASTE RISER AND UNDERGROUND ACID WASTE DRAIN. COORDINATE EXTENT OF UNDERGROUND DEMOLITION WITH NEW WORK PLAN. DEMOLISH RISER TO ABOVE CEILING COMPLETE.
- PD22 DEMOLISH COMPLETE PORTION OF EXISTING UNDERGROUND ROOF LEADER DRAIN PIPE. COORDINATE EXTENT OF REMOVAL WITH NEW WORK PLAN. ABANDON REMAINING ROOF LEADER PIPE.
- PD23 DEMOLISH COMPLETE EXISTING RAIN LEADER PIPE FROM UNDERGROUND TO 3RD FLOOR CEILING CAVITY.
- PD74 INSPECT, REMOVE EXISTING MEDIA AND CLEAN EXISTING ACID WASTE DILUTION PIT. PROVIDE NEW MEDIA AND PREPARE FOR REUSE.
- PD75 COORDINATE EXISTING UNDERGROUND LOCATION AND DEMOLISH PORTION OF UNDERGROUND FOR NEW UNDERGROUND SANITARY DRAIN. REFER TO NEW WORK PLAN FOR FUTURE LOCATION.



1 UNDERSLAB PLUMBING DEMOLITION PLAN





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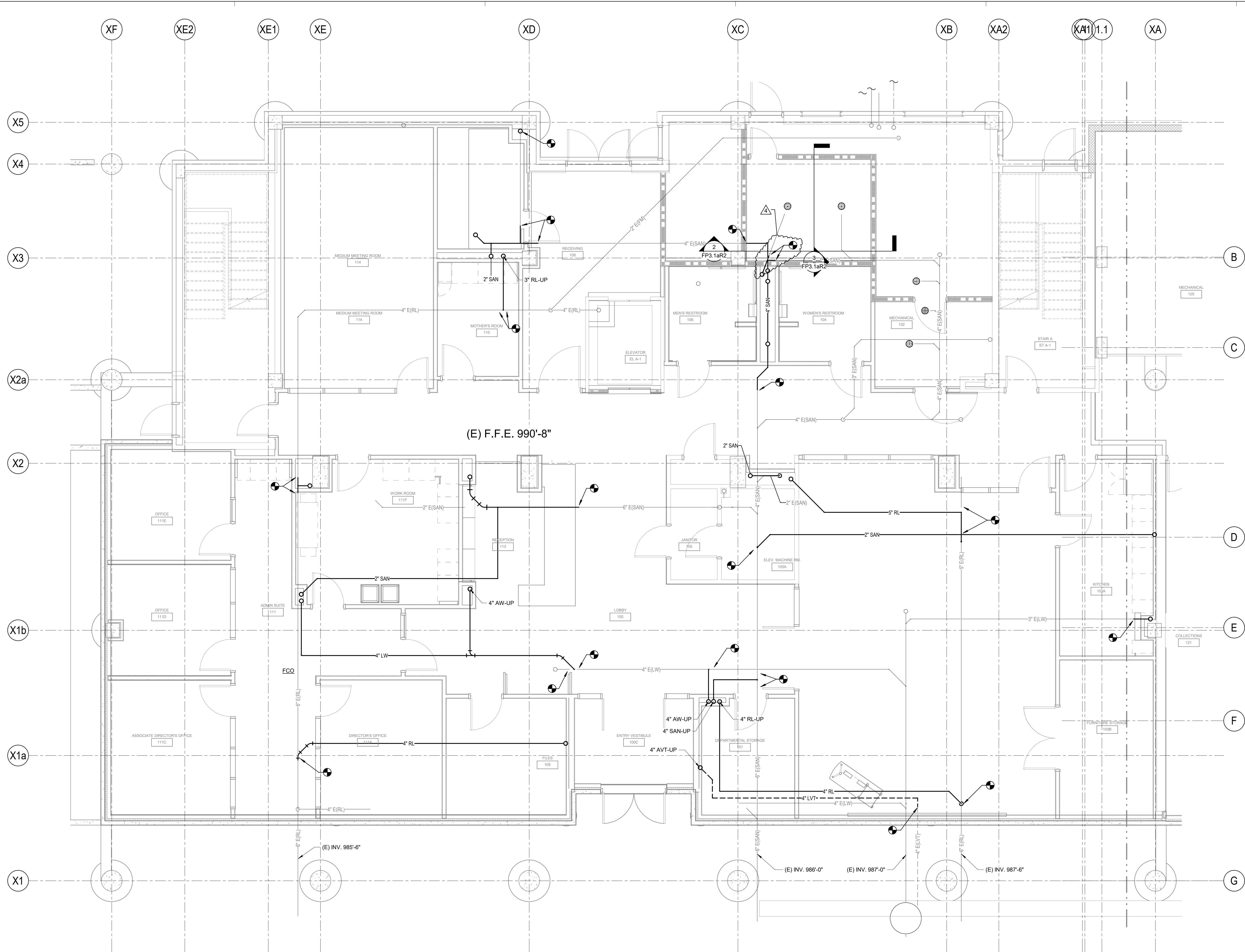
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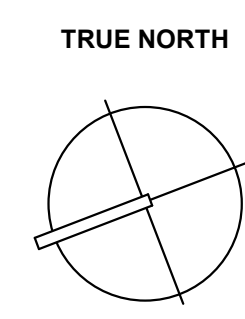
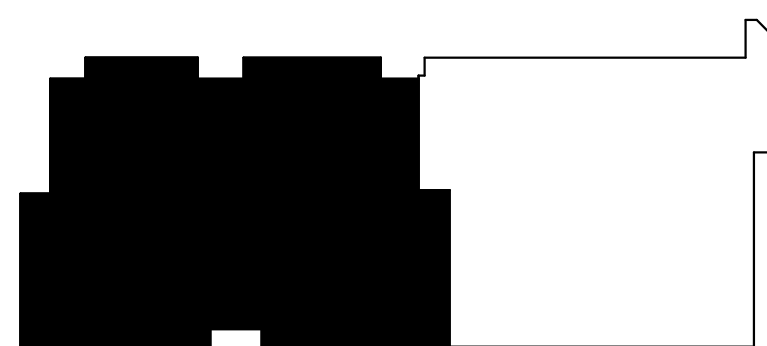
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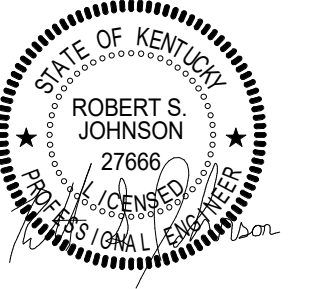
LEVEL 01 PLUMBING
UNDERSLAB PLAN

P3.0aR1



1 UNDERSLAB PLUMBING PLAN
SCALE: 1/4" = 1'-0"





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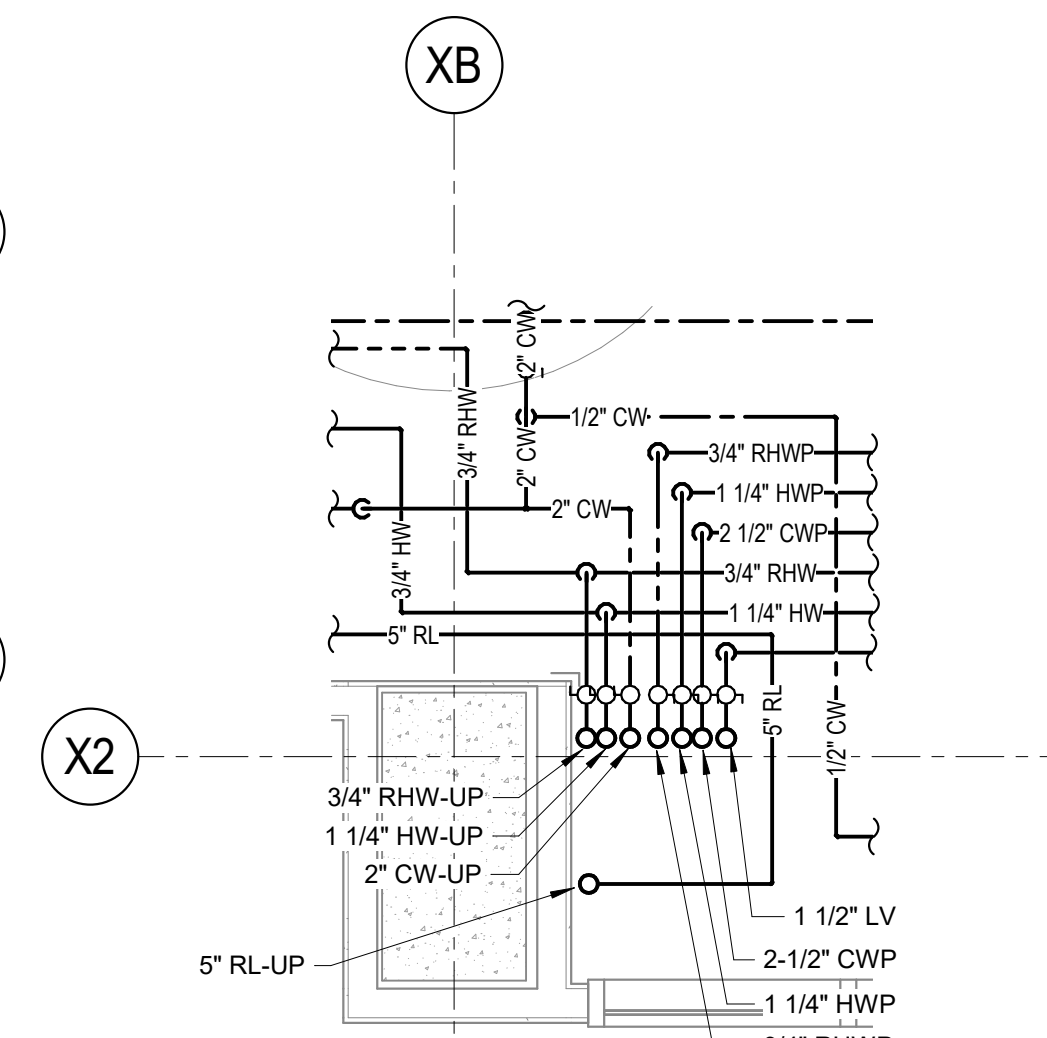
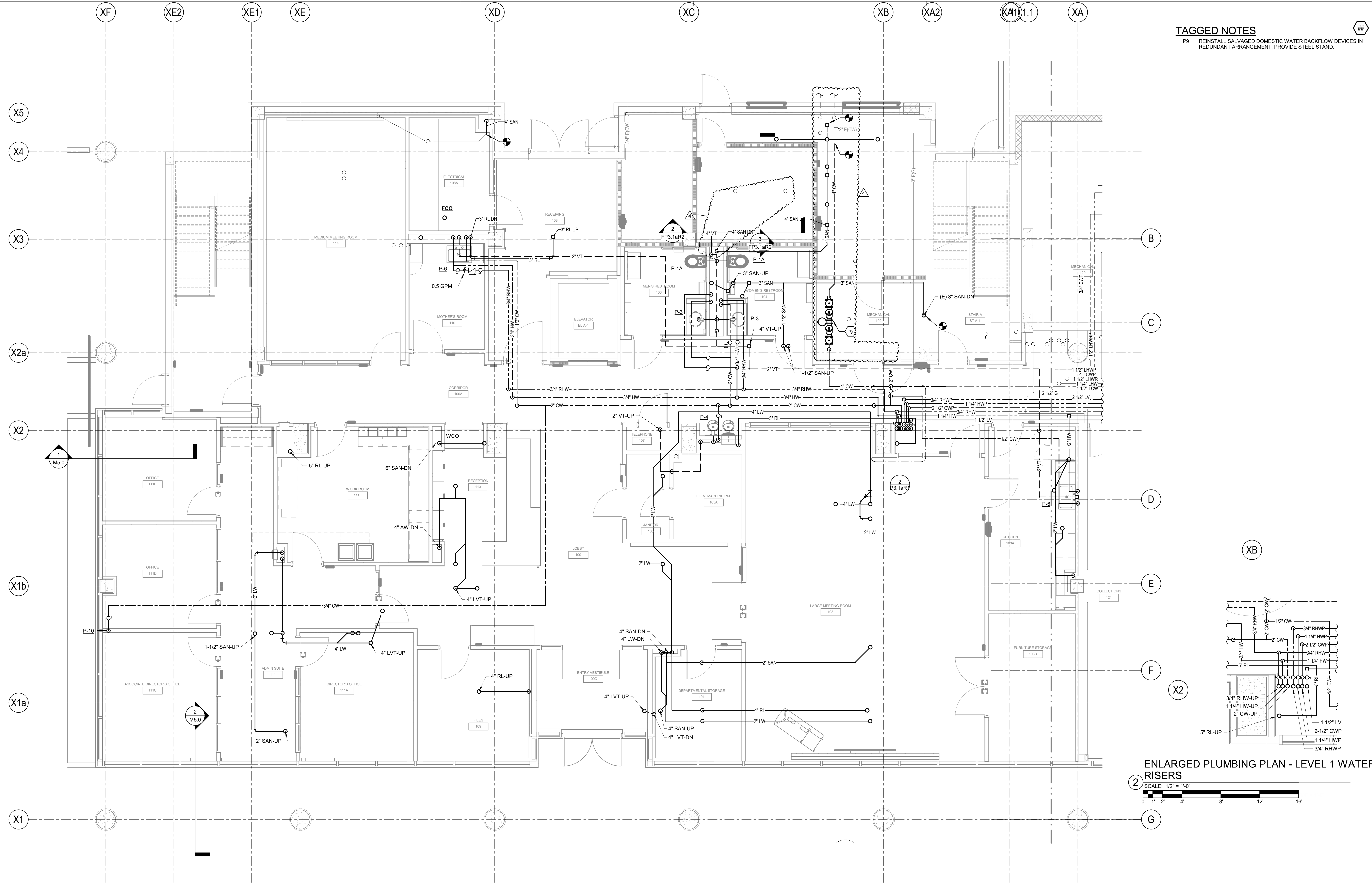
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LEVEL 01 PLUMBING
PLAN

P3.1aR1

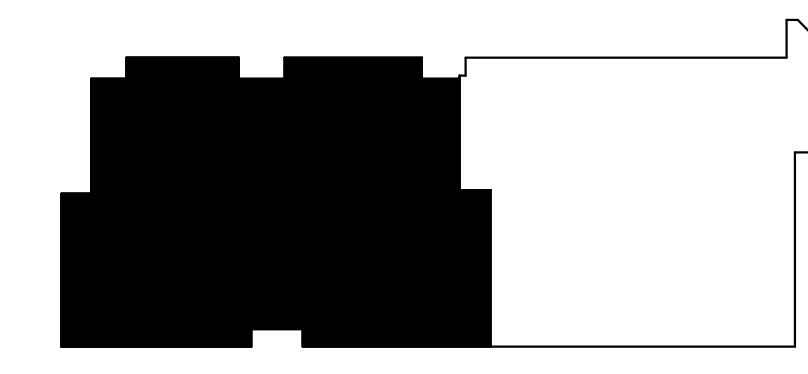
TAGGED NOTES

P3 REINSTALL SALVAGED DOMESTIC WATER BACKFLOW DEVICES IN REDUNDANT ARRANGEMENT. PROVIDE STEEL STAND.

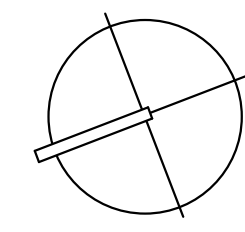


ENLARGED PLUMBING PLAN - LEVEL 1 WATER RISERS
SCALE: 1/2" = 1'-0"
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1 LEVEL 01 PLUMBING PLAN
P3.1aR1 1/4" = 1'-0"

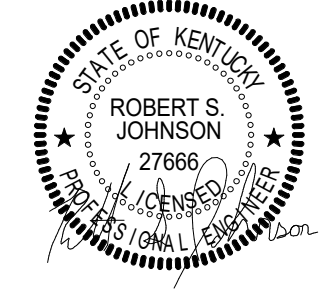
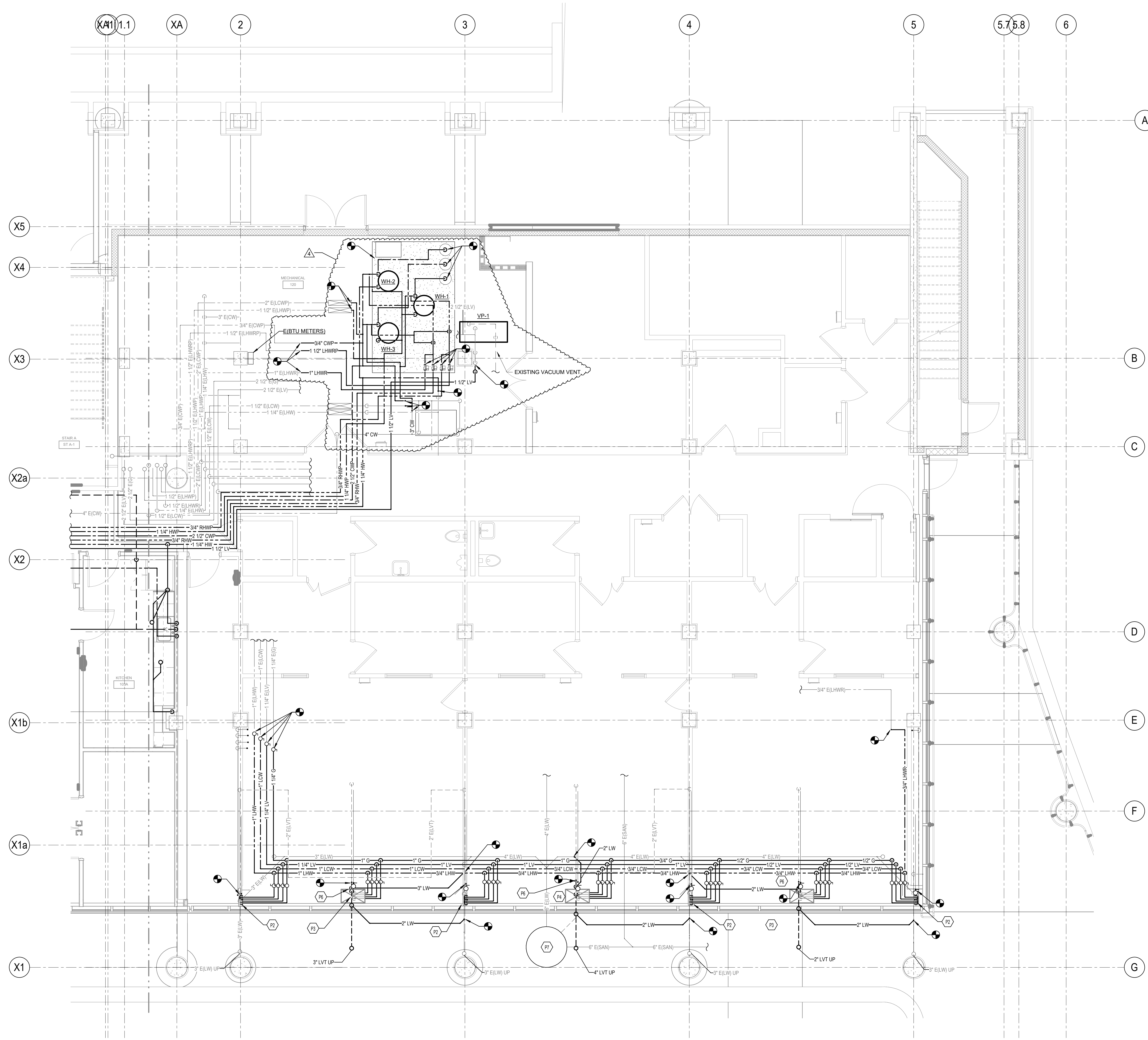


TRUE NORTH



TAGGED NOTES

- # P2 DROP HOT, COLD, VACUUM, AND NATURAL GAS PIPING INTO WALL. CONNECT NEW PIPING TO EXISTING PIPING CONCEALED IN WALL.
- # P3 DROP HOT, COLD, VACUUM, AND NATURAL GAS PIPING INTO CHASE. CONNECT NEW PIPING TO EXISTING PIPING CONCEALED IN CHASE. ROUTE ACID VENT STACK UP THROUGH CHASE AND CONNECT EXISTING VENT PIPING TO NEW VENT STACK. FIELD VERIFY EXACT LOCATIONS.
- # P6 CONNECT NEW LAB WASTE PIPING TO EXISTING. DROP PIPE TO THE UNDERSLAB AND CONNECT TO POINT INDICATED ON PLANS. REFER TO PLANS FOR CONTINUATION. FIELD VERIFY EXACT LOCATIONS.
- # P7 EXISTING LAB WASTE DILUTION PIT.

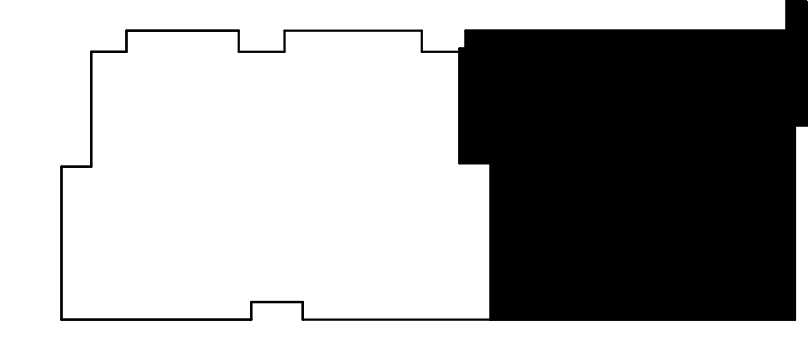
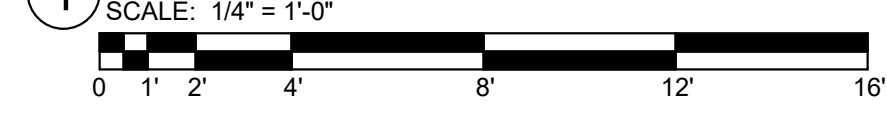


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PROJECT NUMBER	UK: 2571.0
	OMNI: 2133
DATE	01/25/2023
100% CONSTRUCTION DOCUMENTS	
REVISIONS	
▲ ADDENDUM 1	02/09/23
▲ ADDENDUM 2	02/17/23
▲ ADDENDUM 3	02/21/23
▲ ADDENDUM 4	03/07/23

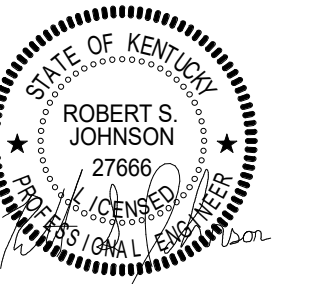
LEVEL 01 PLUMBING PLAN - CENTER ON AGING



TRUE NORTH

LEVEL 01 PLUMBING PLAN

P3.1bR1



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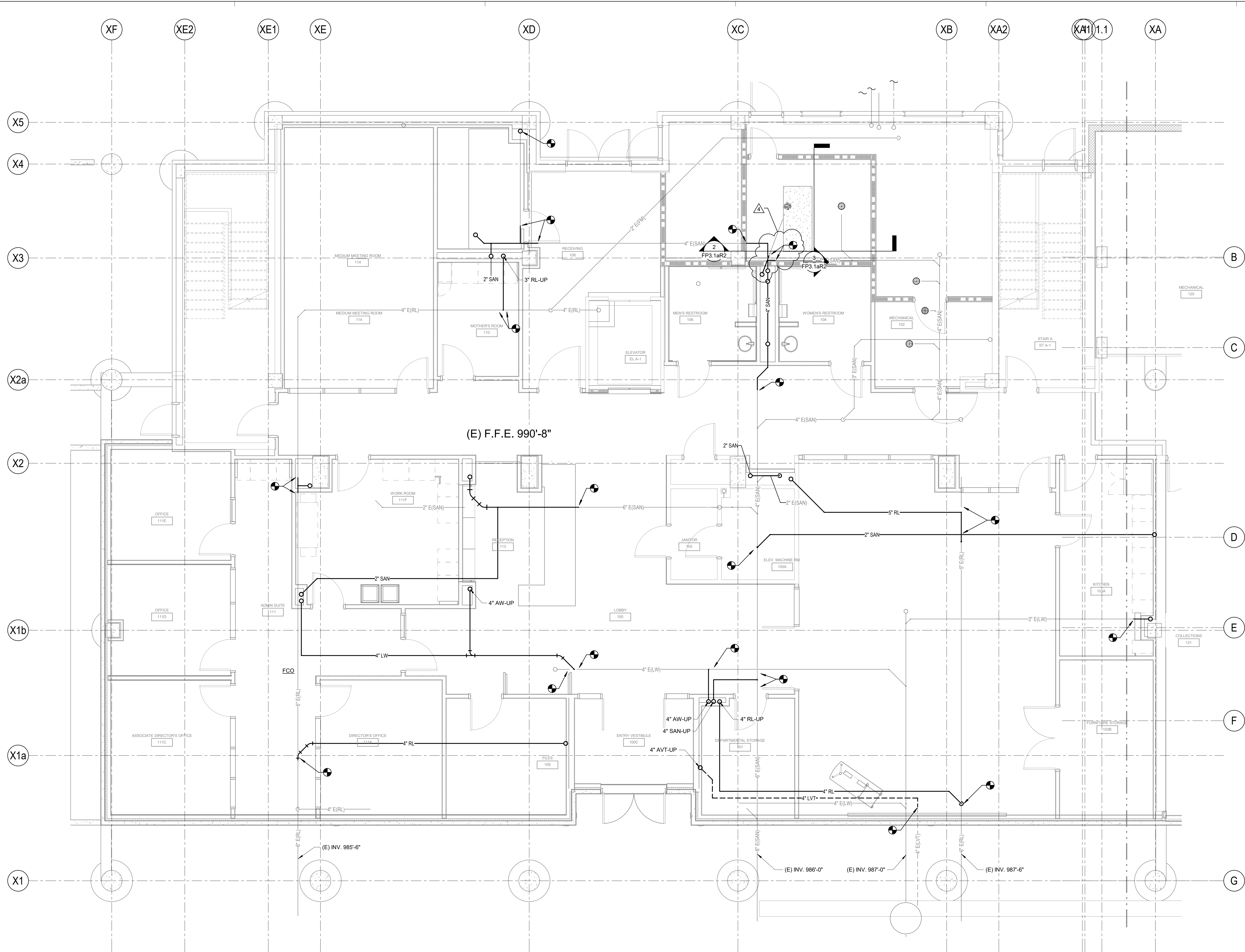
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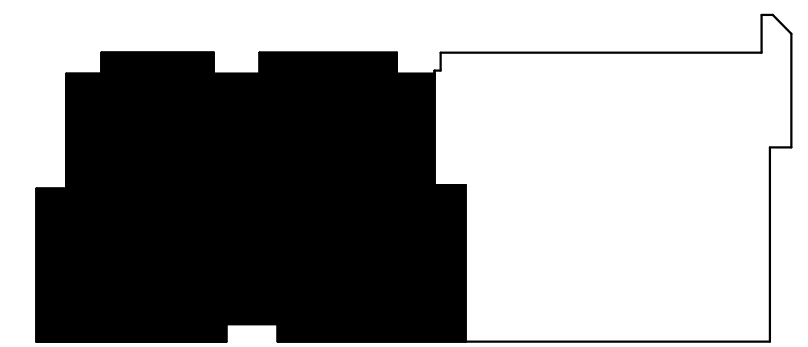
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▲	ADDENDUM 4 03/07/23

**LEVEL 01 PLUMBING
UNDERSLAB PLAN**

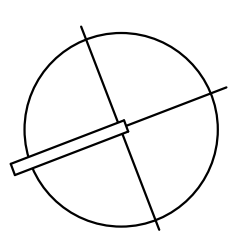
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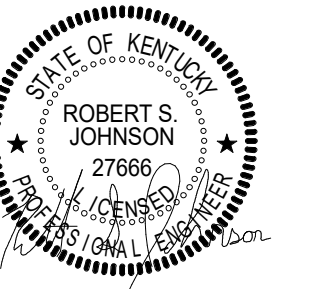


1 UNDERSLAB PLUMBING PLAN
SCALE: 1/4" = 1'-0"



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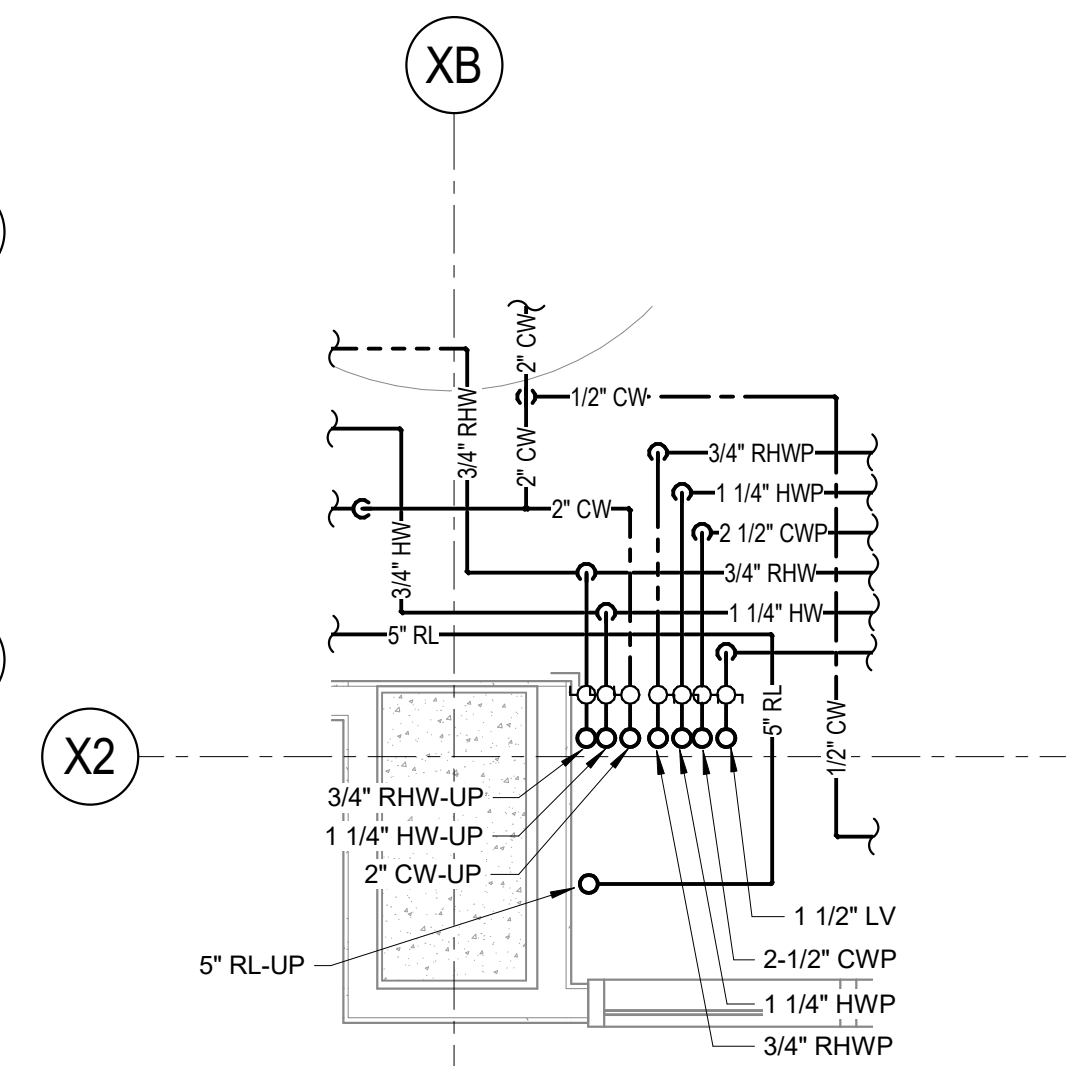
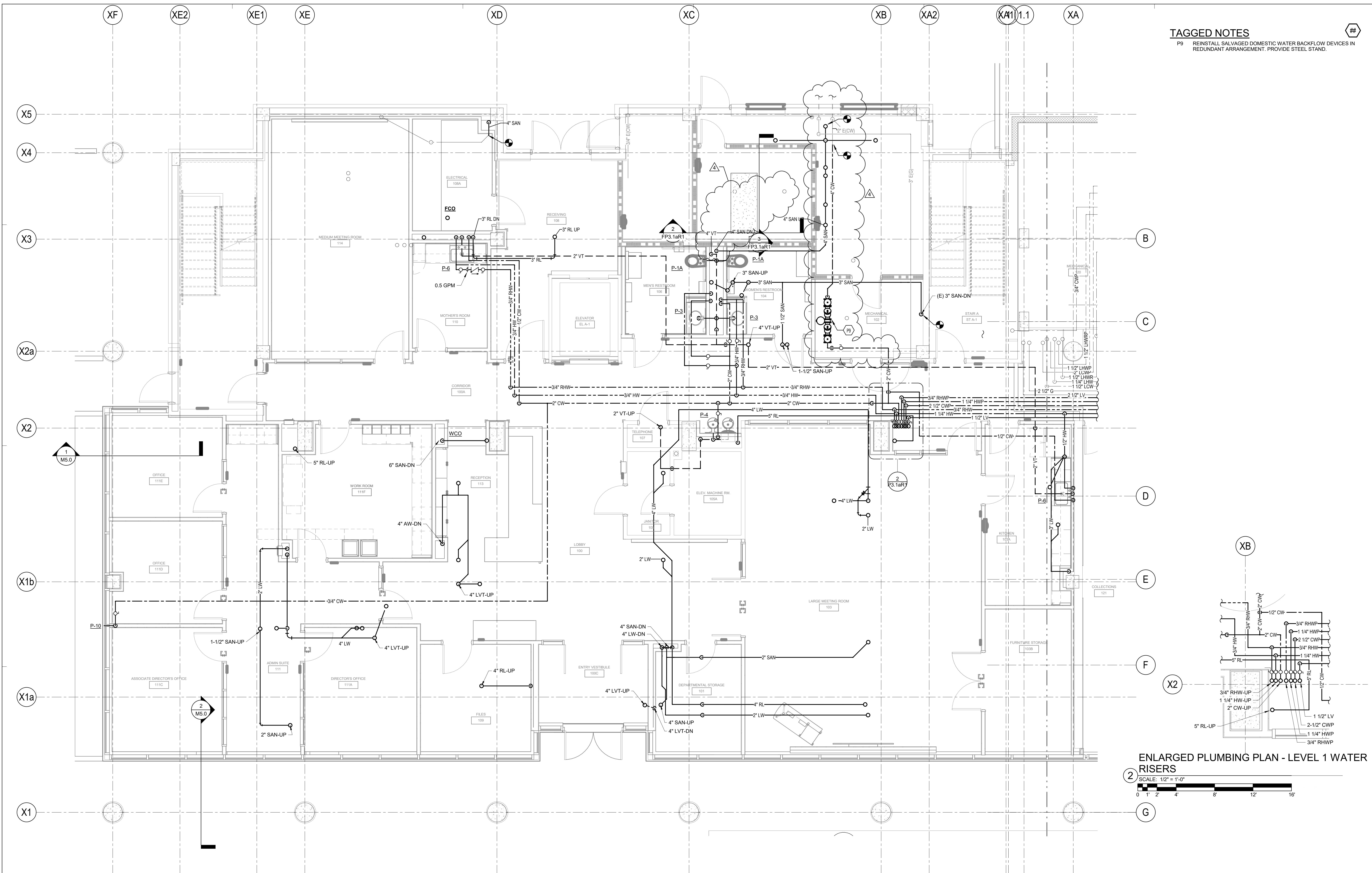
LEVEL 01 PLUMBING
PLAN

P3.1aR1

TAGGED NOTES

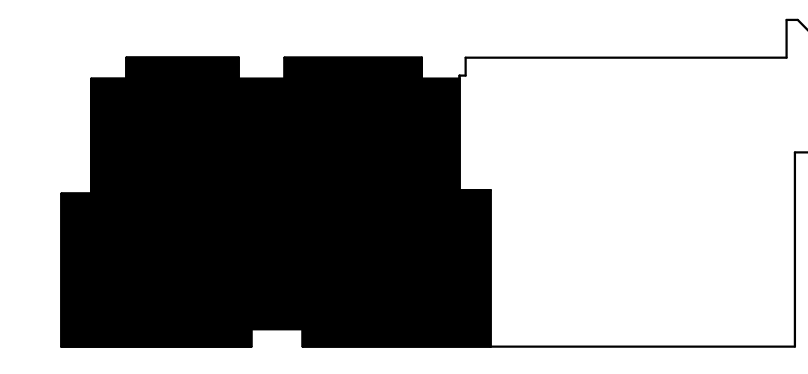
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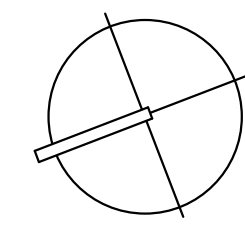


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LEVEL 01 PLUMBING PLAN
P3.1aR1 1/4" = 1'-0"

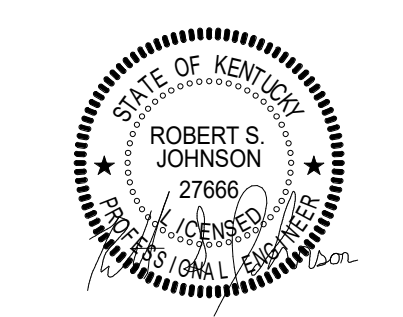
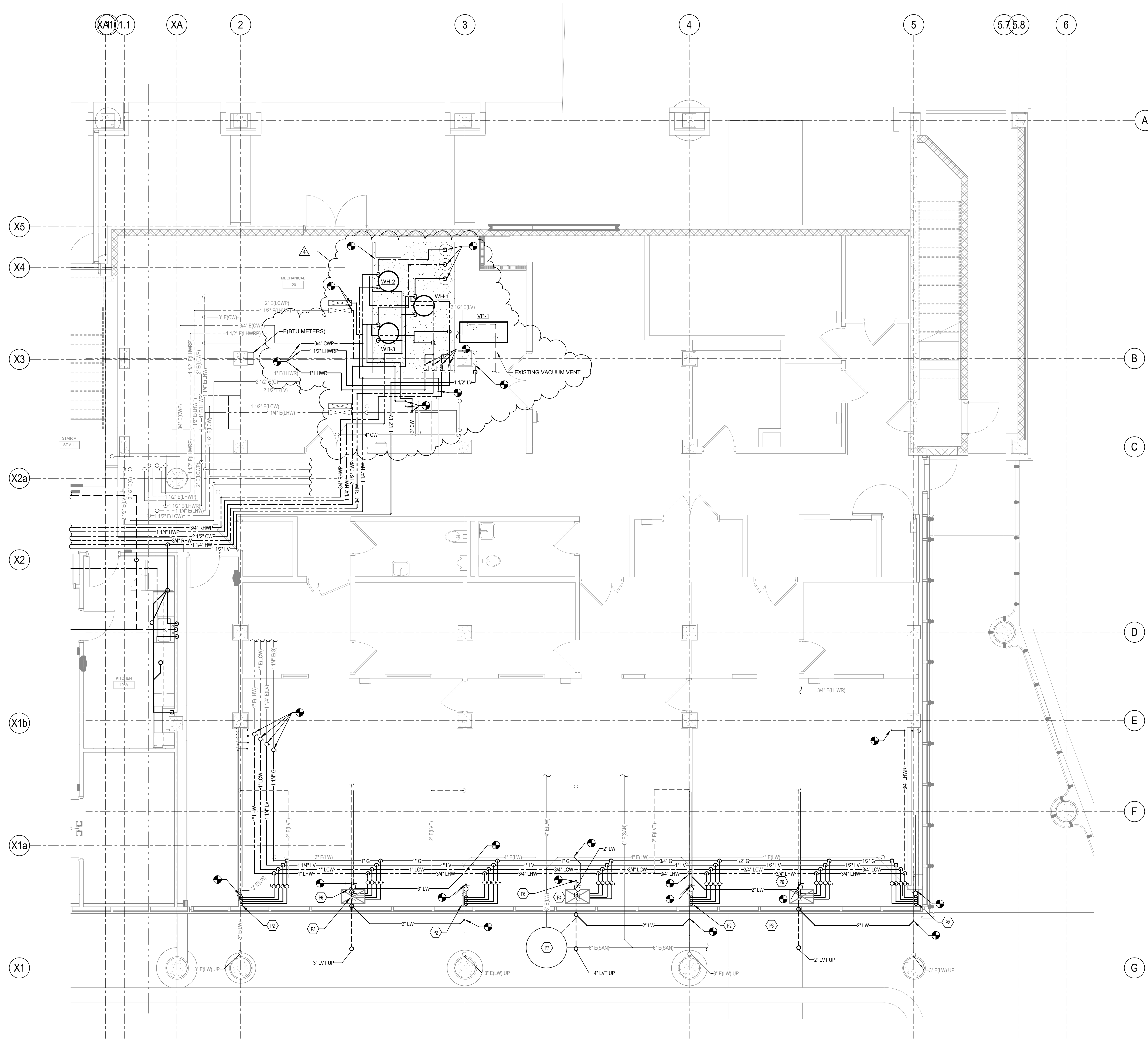


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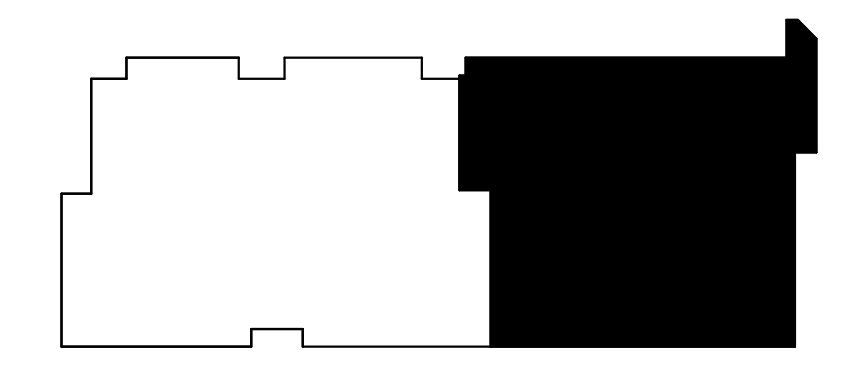
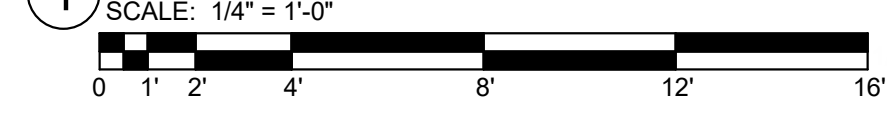


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LEVEL 01 PLUMBING PLAN - CENTER ON AGING



LEVEL 01 PLUMBING PLAN

P3.1bR1

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

Question Date	Item #	Question	Responder	Response
2/13/2023	9	Will combination bids be accepted?	Corey	No. Each trade package must be bid separately. Further, bidders are cautioned not to condition the price of one bid on the success of another trade package bid. Conditioned or qualified bids will be rejected as non-responsive.
2/15/2023	64	Tag 500A and RF501 are assigned KM01 in the hardware specification, however, these (2) openings are not shown on door schedule – Do we need to supply doors/frames for these openings?	Omni	Refer to Design Team Addendum 4, item #54.
	65	Tag 100A.2 shown as Aluminum on Door Schedule, however, on Floor Plan A-1.1A this opening shows HM1 – Is this opening Aluminum or HM?	Omni	Refer to Design Team Addendum 4, item #55.
	66	Tag 100B.1 shown as Hollow Metal on door schedule, however, on Floor Plan A-1.1B this opening is in curtain wall – Is this opening HM or Aluminum?	Omni	Refer to Design Team Addendum 4, item #56.
	67	Can you advise hardware set assignments for tag 239, 339, 439? Not shown in hardware specification listing	Omni	Refer to Design Team Addendum 4, item #16.
	68	Tag 310 on page A-1.3A – should this be HM20? HM5 is assigned and that is just a window	Omni	Refer to Design Team Addendum 4, item #49.
	69	Tag RF401 – note #1 state Existing HM Frame, Door schedule notes new frame – Is this frame existing or new?	Omni	Refer to Design Team Addendum 4, item #57.
	70	Section 101419 – Dimensional Letters – Do we need to supply in Trade Contract 10A? There are (26) Letters shown A8.3 for section 101419 (Balance of room signage section 101400 notes to be by Owner)	Whiting-Turner	O8B trade contractor shall provide Aluminum Exterior Dimensional Signage given it's attachment to/through the perforated aluminum wall panel system.
	71	Spec section 55813 Column Covers 2.3 part of spec, will this be part of O8B work category?	Whiting-Turner	Per Addendum #3 all column covers shall be by trade contract 09A.
2/15/2023	72	Will mock-up be required for 2.3 of spec section 055813 Column Covers?	Omni	Refer to Design Team Addendum 4, item #12.
	73	Will mock-up be required for 1.8.D spec section 074223 Metal Composite Material Panels?	Omni	Refer to Design Team Addendum 4, item #13.
	74	Will mock-up be required for 1.9 of spec section 084413 Glazed Aluminum Curtain Walls?	Omni	Refer to Design Team Addendum 4, item #15.
	75	Will mock-up be required for 1.8.E of spec section 088000 Glazing?	Omni	Refer to Design Team Addendum 4, item #17.
	76	The Platform Lift - This will require partial area of Curtain Wall and Glass left out for materials access and remobilize later to install, correct?	Whiting-Turner	For pricing purposes it should be assumed that additional mobilizations will be required to install curtain wall and glass at the location of the transport platform. This will be coordinated once all subcontractors are under contract and will also likely be impacted by owner furnished items such as lab casework.
	77	What is leave out time frame?	Whiting-Turner	For pricing purposes please assume that the transport platform will be removed three months prior to substantial completion.
	78	Will there be access onsite for crane or will set up need to be in road?	Whiting-Turner	For pricing purposes please assume that any cranes must be set up in the road. Road/lane closure must be done off hours and coordinated with/approved by LFUCG.
2/15/2023	79	Please confirm the project duration. The specs indicate 730 calendar days, but the provided schedule indicates 565 calendar days.	Whiting-Turner	The duration for construction shall be 18 months including all commissioning and final inspection activities.
	80	For Alternate #3, replacement of existing vacuum pump:	---	
	81	Please confirm any concrete pad modifications will be by Trade Contract 03A.	Whiting-Turner	Per Addendum #2 concrete pad modifications for Alternate #3 shall be by trade contract 01A.
	82	Will any required electrical/low voltage wiring required be by the Electrical Trade Contract (26A)?	Whiting-Turner	For Alternate #3, electrical power feeds and data drop to vacuum pump shall be by trade contract 26A. Trade contract 23B shall be responsible for integration of vacuum pump and provide gateway/protocol converter as necessary.
	83	Will demolition of existing vacuum pump be by Trade Contract 23A or by Trade Contract 02A?	Whiting-Turner	Demolition and disposal of existing vacuum pump shall be by trade contract 23A.
	84	Is there any cost associated with PlanGrid?	Whiting-Turner	Yes, the typical monthly cost for Plangrid is \$85 per month per account but pricing ranges depending on sheet requirement, billing frequency and volume discounts. Please contact Autodesk for exact pricing and all pricing associated should be included in the each trade contracts bid price.
	85	Trade Contract 23A scope of work item #8 says we are to “provide cutting and patching, sawcutting....” It appears that saw cutting of the slab on grade and patch back associated with any below slab plumbing work is included in other Trade Contracts (02A, 03A). Please confirm Trade Contract 23A is not responsible for any saw cutting or patching of the existing concrete slab.	Whiting-Turner	This is correct regarding the slab on grade. Slab on grade removal and patch back shall be by trade contracts 02A and 01A respectively. Trade contractors 21A, 23A and 26A shall be responsible for excavation of below slab subgrade for new installations and backfilling/compaction where subgrade was removed following installation. Trade contract 23A scope item #8 refers to mechanical, HVAC, plumbing penetrations through walls or elevated slabs that are not explicitly shown on in the demolition drawings. Any cutting and patching for penetrations of this nature shall be a responsibility of trade contract 23A.
	86	Drawing P4.0, Domestic Water Heater Diagram indicates steam/steam condensate piping however none is shown serving the water heaters on either the plumbing or mechanical drawings. Please provide additional info.	CMTA	Refer to Design Team Addendum 4, item #68.
	87	Drawing P4.0, Domestic Water Heater Diagram – there are three expansion tanks (?) indicated on the diagram. Are these existing or new? If new, please provide specifications.	CMTA	Refer to Design Team Addendum 4, item #69.

	88	Regarding BIM, what files will be turned over to the successful trade contractor(s)? Also, is any 3D scanning of the existing building going to be required? If so, can an allowance be set for the 3D scanning?	Omni	Whiting-Turner will distribute the design consultant's Revit files to the trade contractors. Each trade contractor who requires access to the design consultant's Revit files will be required to execute a Digital Data Licensing Agreement synonymous to the agreement that is required to be signed by the Construction Manager. Per addendum #2, the 23A trade contractor shall be responsible for 3D scanning floors 1-3 of the 1979 portion of the building after demolition and providing point cloud data to be used during BIM coordination. All costs associated with the 3D scanning and utilizing the point cloud during BIM coordination should be included in the 23A base bid. Refer to Design Team Addendum 4, item #9 for additional information.
	89	Spec Section 201300-4, specs for the below slab SWV indicates Service Weight or Extra Heavy. Please clarify which is required.	CMTA	Refer to Design Team Addendum 4, item #22.
	90	Spec Section 201300-5, are Heavy Duty couplings required on no hub cast iron storm piping, as they are on SWV?	CMTA	Refer to Design Team Addendum 4, item #23.
	91	Spec Section 201300-7, specs for Acid Waste/Lab Waste piping indicates glass piping. Is schedule 40 polypropylene piping acceptable? Mechanical joint or fusion joint?	CMTA	Refer to Design Team Addendum 4, item #24.
	92	Please clarify furnish and installation responsibilities of items indicated on "QL" series drawings. Trade Contract 23A scope of work item #18 refers to a matrix on drawing QL060, however this is just an equipment list and not a responsibility matrix. For any items furnished by owner/others, please confirm any accessories required for installation will be included with items (for example, emergency eyewashes/showers will be furnished with mixing valves).	Whiting-Turner	All equipment and service fitting shown on the QL series drawings are being provided by the owner. Trade contractor 23A will be responsible for coordinating with the construction manager, design team and owner for final utility connections. 23A shall provide all piping and fitting to make connection with equipment and service fittings shown on the QL series drawings. Since thermostatic mixing valves are included in the description for the eye wash and safety shower safety fittings it can be assumed that these mixing valves will be provided by the owner and turned over the 23A for installation and piping.
	93	Is seismic bracing required on plumbing/mechanical components? Please provide Seismic Design Category and Component Importance Factor.	CMTA	Refer to Design Team Addendum 4, item #60.
	94	Spec section 231200-11 indicates the following regarding ductwork for LEF-1 (below). There is not a section for "Hazardous Exhaust Duct" in spec section 231200. Please clarify what material, etc. is required for Hazardous Exhaust Duct.	CMTA	Refer to Design Team Addendum 4, item #32.
	95	<i>Ducts Connected to Laboratory Exhaust Fans LEF-1:</i>	---	
	96	<i>a. Pressure Class: Negative 4-inch wg Refer to Medium Pressure requirements as outlined in section 3 as well as requirements outlined in the Hazardous Exhaust duct section of this spec.</i>	---	
	97	<i>b. Minimum SMACNA Seal Class: A.</i>	---	
	98	<i>c. SMACNA Leakage Class: 3.</i>	---	
	99	Drawing M3.1b tagged note H1 references drawing M3.5b for the continuation of the new refrigerant piping but drawing M3.5b does not exist. Please clarify.	CMTA	Refer to Design Team Addendum 4, item #92.
	100	Are there any drawings for the continuation of the fuel oil piping (FOS/FOR) coming off of the day tanks (DT-1/2) outside of the mechanical rooms on M3.7?	CMTA	Refer to Design Team Addendum 4, item #93.
	101	The schedule on M7.0 list one heat exchanger (HX-1), detail 10 on M6.1 indicates heat exchangers HX-1A and 1B, and detail 2 on M3.7 indicates (2) HX-1's. Please confirm that (2) heat exchangers are required, both being the same capacities.	CMTA	Refer to Design Team Addendum 4, item #103.
	102	Detail 7 on M6.1 shows a new PRV-3, but the schedule page (M7.0) does not show a new pressure reducing valve. Please provide technical info for new PRV.	CMTA	Refer to Design Team Addendum 4, item #98.
	103	Detail 7 on M6.1 shows a new PRV-3 but is not indicated on the plan view. Please reference new PRV on plan view.	CMTA	Refer to Design Team Addendum 4, item #99.
	104	Trade Contract 23C – Lab Controls is the furnish venturi valves and deliver to 23A Mechanical Contractor to install. Please be sure the supplier for the venturi valves include their own draw bands and sealant with their venturi valves. Each manufacturer has their own connection types and cannot be used with other manufacturers brand of venturi valves.	Whiting-Turner	Per trade contract 23C scope items 13, trade contract 23C is to include all necessary connections for Venturi Air Valves. This shall include all draw bands, sealants, flanges, bolts, etc. Refer to Design Team Addendum 4, item #76 for additional information.
	105	Bid documents show TAB as part of 23A, specification 203100 states TAB will be under a separate contract (with Commonwealth). Please clarify.	Whiting-Turner	TAB shall be included by trade contract 23A. Refer to Design Team Addendum 4, item #30 for additional information.
	106	Spec 203100 states TAB contractor to provide a building air tightness test, will this be required under TAB scope for this project?	CMTA	Refer to Design Team Addendum 4, item #31.
2/15/2023	107	Substitution Request Azeko	Omni	Refer to Design Team Addendum 4, item #3.
2/15/2023	108	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.	Omni	Refer to Addendum 3, item 12.

2/20/2023	109	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?	B+K	Refer to Design Team Addendum 4, item #43.
2/20/2023	110	FullForce Substitution Request	B+K, Carman	Refer to Design Team Addendum 4, item #2.
2/21/2023	111	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.	Omni	Refer to Addendum 3, item 16.
2/22/2023	112	Trade Package 01A. Scope item #16. "Dumpsters." The scope describes recycling and separation. The site logistics plans show only one dumpster. Where can we put the second recycling dumpster and will that also need a wood framed loading dock?	Whiting-Turner	Due to space restrictions recycling and separation will not be required. Please reference questions 16 & 18 from Addendum #3 for additional details regarding dumpster and loading ramp.
	113	Trade Package 01A. Scope item #13. "CM Office Trailer". How many months will this trailer need the weekly cleaning?	Whiting-Turner	All duration dependant general requirement scope items for trade contract 01A should be included for 24 months. However, it is the intent to complete the project in 18 months. Funds associated with any unused portion of time for these scope items will be credited back to the University of Kentucky at the completion of the project.
	114	Trade Package 01A. Scope item #13. "Lull". How many months of the lull will be needed?	Whiting-Turner	See answer to item 113 above.
	115	Trade Package 01A. Scope item # "Pest Control". Does the owner have a name of a pest control company that has already serviced this space in the past?	Whiting-Turner	This information has not been provided at this time.
	116	Trade Package 01A. Scope item #4. "OpenSpace". Provide Insta260 ONE X2 Ultimate Kit. According to the website, this item is out of stock. Unclear as to when it will be back in stock. Please advise.	Whiting-Turner	For pricing purposes please include \$750 to be used to cover all cost of Insta360 ONE X2 camera, accessories, taxes and shipping.
2/6/2023	117	I would like to submit the following RFI in regards to the spec section below for UK Project # 2571.0 - Improve Sanders-Brown Center on Aging/ Neuroscience Facilities. Please see question and proposed addendum wording below. Thank you!	---	
	118	SECTION 201300 - PIPE, PIPE FITTINGS AND PIPE SUPPORT	---	
	119	E. Domestic Cold, Hot and Recirculating Hot Water Piping (Above Slab)	---	
	120	G. Hydronic Piping (heating water)	---	
	121	(2) 2-1/2" and Larger:	---	
	122	Are Victaulic grooved mechanical products an approved pipe joining method for 2 1/2" and larger domestic water and heating water piping?	CMTA	Refer to Design Team Addendum 4, item #4.
	123	Proposed Addendum Wording -	---	
	124	Victaulic 607 or engineer approved equivalent mechanical grooved pipe couplings and fittings may be used in lieu of solder. For potable water, product shall utilize grade "P" EPDM gasket rated from +0°F to +180°F for improved resistance to chlorine, chloramine and other typical potable water disinfectants. Victaulic 608N may be utilized with copper groove system.	CMTA	Refer to Design Team Addendum 4, item #7.
	125	Schedule 40 Victaulic 107V mechanical grooved pipe couplings and fittings with 125# rating minimum may be used. Install gaskets as recommended by the manufacturer. Victaulic Vic-300 Butterfly Valve, 732 Wye Strainer and 716 Check Valve may be used with grooved piping system. Piping system shall be rated for minimum of 250°F water temperature. Mechanical grooved piping may not be used if system water temperature exceeds 250°F.	CMTA	Refer to Design Team Addendum 4, item #8.
3/2/2023	126	Please provide piping layout and connection points for DW Heaters, Steam, CW, HW, Condensate, drawing P4.0.	CMTA	Refer to Design Team Addendum 4, item #70.
	127	Please provide specifications for DW P1,2,3, drawing P4.0.	CMTA	Refer to Design Team Addendum 4, item #71.
	128	Please provide information on the (3) tanks located in middle of page, drawing P4.0	CMTA	Refer to Design Team Addendum 4, item #72.
	129	Please provide DW Heaters steam trap schedule and information	CMTA	Refer to Design Team Addendum 4, item #66.
	130	Please provide specs for SS-01, Safety Shower, or is it provide by owner	CMTA/HERA	Refer to Design Team Addendum 4, item #18.
	131	Please provide specs for EW, Eye Wash, or is it provide by owner	CMTA/HERA	Refer to Design Team Addendum 4, item #19.
	132	Please provide specs for LS-01, Lab Sink, or is it provide by owner	CMTA/HERA	Refer to Design Team Addendum 4, item #20.
	133	Please provide specs for DI and DI-2, or is it provide by owner	CMTA	Refer to Design Team Addendum 4, item #21.
	134	Please provide specs for EW and SS TMV valves	CMTA/HERA	Refer to Design Team Addendum 4, item #58.
	135	Please provide VP-1 hookup layout and diagram, drawing P3.1b	CMTA	Refer to Design Team Addendum 4, item #67.
	136	Detail N/S4.1 - Is it acceptable to use rolled angle in combination with welded plate stock in lieu of a 3 piece system for achieving the radius EOS extension member?	B+K	Refer to Design Team Addendum 4, item #45.
	137	Is it the CM's intent to have new building structural steel and concrete work be performed exclusively from the exterior side of the building?	Whiting-Turner	This is correct. For pricing purposes it should be assumed that the new steel and concrete work for the new edge of slab should be performed from the exterior side of the building. Due to temporary weatherproofing requirements, a temporary exterior wall will be installed as the exterior facade demolition is completed and this will cut off access to the edge of slab from the interior of the building.
	138	Is there a spec for the Lab/acid waste spec section 201300-7.P indicate Glass, please advise.	CMTA	Refer to Design Team Addendum 4, item #25.
	139	Is Carbon Steel pipe with Vic fittings acceptable on the hydronic pipe 2 1/2" and above, Please advise.	CMTA	Refer to Design Team Addendum 4, item #6.

	140	Detail 3&4/A4.8 show CFMF atop the HSS beam in chase B. Detail G/S4.1 shows angle atop the HSS beam. Please clarify which is intended.	B+K	Refer to Design Team Addendum 4, item #51.
	141	Are new HSS assemblies at XA line intended to only connected at one end? It appears that each are supported at one end by a T/S4.1 detail with no connection on 1979 side. Is this correct?	B+K	Refer to Design Team Addendum 4, item #46.
	142	Detail A/S4.1 shows L5x5x5/16 mounted to stem wall. Detail 3/A8.6 shows L6x4x5/16 mounted to stem wall. Please clarify which is intended.	B+K	Refer to Design Team Addendum 4, item #47.
	143	Detail 3/A7.2 depicts the parapet framing as overhanging the existing concrete by 3.5". Detail P/S4.1 depicts the parapet framing inset an unknown/arbitrary dimension away from the existing concrete edge. Placement of the framing affects concrete anchor layout among other things. Please clarify	Omni/B+K	Refer to Design Team Addendum 4, item #52.
	144	09D is responsible for coatings. TC01A #63 describes touch up painting - is this referring to touch up of primers and galvanizing?	Whiting-Turner	This is correct. Trade contractor 01A shall be responsible for touch-up of primers and galvanizing for steel at locations of field welds or where primer/galvanizing was damaged during steel installation.
	145	Schedule alludes to Steel and overhead door install for each level. What activities is this line item referring to specifically?	Whiting-Turner	This is a mistake carried over from an old schedule. There are no overhead doors on this project. Please ignore this reference/activity.
	146	Please provide T/Steel elevations for penthouse framing and mid-height framing.	B+K	Refer to Design Team Addendum 4, item #39.
	147	How deep below FFE are existing grade beams and wall footings?	B+K	Refer to Design Team Addendum 4, item #40.
	148	E/S4.1 shows slip dowels to be installed in existing concrete slabs. Please clarify.	B+K	Refer to Design Team Addendum 4, item #48.
	149	5/A7.2 Galvanized steel tube guardrail shows an anchored base to coping "as required by load calculations". When will engineer provide info about how many braces/anchor bases are needed?	Omni	Refer to Design Team Addendum 4, item #53.
	150	Plumbing and FP contractors will be responsible for major backfill /compaction operations of underslab piping, and concrete will be responsible for fine grade prep for slab placement, correct?	Whiting-Turner	This is correct. See item 85 above for additional details.
	151	Please provide more detail regarding the "Surface Mounted weighted pads" associated with the galvanized guardrail. Is roofing trade package providing these? What spec is to be met? How do they attached to guardrail?	Omni/Whiting-Turner	Accessory equipment pads have been specified for use under the steel channel for the galvanized guardrail. These accessory equipment pads and prefabricated walkways shall be provided by trade contract 07A. Refer to Design Team Addendum 4, item #14 for additional information.
	152	Drawing M4.2a we are to provide new refrigerant piping for existing HVAC Units. Could you provide Refrigerant line sizes? Also, will they be line sets? Will the refrigerant lines be empty of all refrigerant prior to installing new. Will we need to include any additional refrigerant, start up, and will the controls contractor run the low voltage wiring if any? Could you provide information on the existing units?	CMTA	Refer to Design Team Addendum 4, item #96.
	153	On drawing M4.3a there are (3) lines shown for Tie-ins in screen shot below. Can you clarify what those lines are and if they are in the HVAC hydronic scope.	CMTA	Refer to Design Team Addendum 4, item #97.
	154	Per Drawing P4.0 Detail 1 it shows LPS and LPC lines to each Water Heater. Those LPS and LPC lines are not shown drawing M3.1b or on the referenced enlarged plans on M3.7. Could you please show the routing of those LPS lines to the water heaters.	CMTA	Refer to Design Team Addendum 4, item #73.
	155	Will there be water treatment and cleaning for piping if so, can you provide specifications?	CMTA	Refer to Design Team Addendum 4, item #100.
	156	Please confirm that Subcontractor 23A will only have to cut, cap, and make safe for the demolition contractor to demo the existing piping, ductwork, and equipment. Will the demolition contractor also remove and store existing condensate pumps, receiver tanks, etc.?	Whiting-Turner	Trade Contractors 21A, 23A and 26A are responsible for cutting, capping and making safe all items related to the scopes of work shown to be demolished. Trade contractor 02A is responsible for demolition of items once safed-off. Removal, salvage, protection, storage, preparation of items shown to be salvaged/reused/reinstalled shall be the responsibility of the installing trade contractor.
	157	Will the relocation of piping for the CRAC units in Room 214 & 220 need to be done off hours and with HEPA Tents?	Whiting-Turner	No, this work will be performed during normal work hours and no HEPA tent requirements are known. Refer to Design Team Addendum 4, item #90 for additional information.
	158	Can you provide more specifications on the Mechanical Piping, for hot water piping is it 3" or 4" and below still copper? Please confirm.	CMTA	Refer to Design Team Addendum 4, item #26.
	159	Per spec section 201300-7 note P, acid waste and vent piping is to be Glass pipe. Are we able to utilize Polypropylene Fusion piping be for this project? Please advise.	CMTA	Refer to Design Team Addendum 4, item #27.
	160	Regarding the equipment "AC-1" - it is not clear if a new B-BC is required on the 1976 or 1996 building, and if it's part of the Base Bid or Add Alternate #1. There is an "AC-1" in both buildings it appears - Is AC-1 the same as the "Computer Room CRAC-2"? Please clarify what type of equipment "AC-1" is for each building, and in which phase a new B-BC controller is required, if required.	CMTA	Refer to Design Team Addendum 4, item #77.
	161	Existing Systems (AC-1,2,3 and RF-1,2, Boiler): As per mechanical floor drawing, we have found existing units with tag AC-1,2,3 and 2 roof fans, Boiler, chiller etc. While referring to control architecture-IC0.1, we could identify existing AC unit, fans and chiller and Freezer monitoring. However, these units don't have any keynote, sequence, point list, schematics etc. on new drawing as well as on demolition plan. Please clarify.	CMTA	Refer to Design Team Addendum 4, item #78.

	162	Boiler: As per mechanical plan M3.5a, we have found 1 boiler skid, however we have not found any control note or control drawing regarding the boiler system. As per demolition plan M2.5a, we have not found any keynote for the Boiler. Are Boiler controls excluded from this Project?	CMTA	Refer to Design Team Addendum 4, item #91.								
	163	Are there VFDs that need to be replaced by the Unit 23B contractor, or is there a different contractor furnishing/installing and the Unit 23B contractor is just integrating?	Whiting-Turner	The 23A trade contractor shall furnish new/replaced VFDs. VFDs shall be installed by 26A trade contractor and power feed conduit/wiring shall be by 26A. 23B shall be responsible for controls conduit/wiring to VFDs and for integration of VFDs. Refer to Design Team Addendum 4, item #75 for additional information.								
	164	There are no written Keynotes or Scope on what work is to be performed in the diagrams on IC0.1 – we are assuming anything in bold is requiring a new controller, device, or integration. We are also assuming anything “dashed” is existing and will remain, with no work associated with that device or piece of equipment. However, what is the expectation for a device or equipment that is neither “dashed” or “bold” – for instance, the entire Penthouse level and most of the Roof level of Building 1976 appear to have no work being performed. Please confirm.	CMTA	Refer to Design Team Addendum 4, item #79.								
	165	There is reference to AHU-6 & AHU-7 on the drawings, but Controls Diagrams and Points Schedule regarding AHU-1 & AHU-2. Are these the same AHUs, and this is a typo? Per the provided control drawing IC4.0, we could identify control schematics for existing AHU-1 & 2. While referring to responsibility matrix, it is mentioned to provide new controls for AHU-6 & 7. We assumed that to be a typo/error and considered controls for existing AHU-1 & 2 to be meant for AHU-6 & 7, respectively. Please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #82.								
	166	AHU & ERU Controls: As per control drawing IC4.0, we can see control schematics and point list are not matching with each other. Hence, currently, we have considered controls as per point list. Please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #83.								
	167	Heating and steam control valve: As per control drawing IC4.0, we could find (1) existing energy recovery system control drawing, however we could not find energy recovery system on floor plan. Please confirm/clarify. We have assumed standard valve sizes of 2 inch for heating, and steam control, please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #84.								
	168	Dampers: Per the provided drawing IC4.0, we could identify the exhaust air bypass damper for which in point list we have found reference to furnish remote bypass dampers. We believe these dampers are only backdraft dampers. Please confirm/clarify, as the naming conventions do not match from the diagram to the points list.	CMTA	Refer to Design Team Addendum 4, item #85.								
		<table border="1" style="margin-top: 10px;"> <tr> <td>DO-7</td> <td>ERSYS</td> <td>E1BP_C</td> <td>REMOTE NORMAL BYPASS</td> </tr> <tr> <td>DO-8</td> <td>ERSYS</td> <td>E2BP_C</td> <td>REMOTE NORMAL BYPASS</td> </tr> </table>	DO-7	ERSYS	E1BP_C	REMOTE NORMAL BYPASS	DO-8	ERSYS	E2BP_C	REMOTE NORMAL BYPASS		
DO-7	ERSYS	E1BP_C	REMOTE NORMAL BYPASS									
DO-8	ERSYS	E2BP_C	REMOTE NORMAL BYPASS									
	169	Water flow meter: As per the control specification section 250200, the specification for the water flow meter is not available. Should this be a turbine-type flow meter? Please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #33.								
	170	Humidity sensor: As per control specification section 250200, accuracy for the humidity sensor is not available. Should the humidity sensors be chosen to be 3% accuracy? Please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #34.								
	171	Per the Responsibility Matrix, it is mentioned for the CC-A contractor to provide gauges for temperature sensors. Generally, temperature gauges will be provided by the mechanical contractor – please confirm/clarify.	Whiting-Turner	All required analog gauges shall be provided and installed by trade contract 23A. All digital sensors shall be provided by 23B or 23C depending upon control sequence. 23B and 23C shall coordinate with 23A for sensor well locations in piping or other sensor installation requirements for sensors installed within trade contractors 23A's scope. Refer to Design Team Addendum 4, item #88 for additional information.								
	172	Cooling control valve: As per FCU mechanical schedule on mechanical drawing M7.0, flow GPM for cooling coil is given as 7 GPM. As per mechanical drawing M4.1a, line size for FCU chilled water line is given as 1-1/4 inch. Based on GPM, we believe the cooling control valve should be 3/4 inch – please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #104.								
	173	Variable Air Volume unit (Alternate bid 1): As per mechanical floor plan IC3.1b, IC3.2b, IC3.3b and IC3.4b, we have found total 37 existing VAV's, however reheat coil is not shown on floor plan like was shown on IC3.1a, IC3.2a, IC3.3a and IC3.4a. Should a new heating control valve for all existing VAVs be provided in Add Alt #1? If so, Please confirm/clarify sizes for each VAV.	CMTA	Refer to Design Team Addendum 4, item #80.								

174	Lab Exhaust Fan: As per mechanical schedule on drawing M7.0, only one exhaust fan is shown. However, As per control drawing IC3.5a, we have found 2 exhaust fans. Please confirm/clarify. We have also found motorized isolation and bypass damper requirements in this schedule. But we could not find the motorized damper sizes on floor plan – please confirm/clarify damper sizes.	CMTA	Refer to Design Team Addendum 4, item #105.
175	EF-3, 4, 6 & 7: Per the provided control drawing-IC5.0, we have found control schematics for EF-3, 4, 6 & 7. While referring to inputs, we have not found any schedule or floor plan reference for those fans. Please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #86.
176	Lab vacuum pump control: As per control drawing IC1.1, we have found vacuum pump monitoring requirement. However, we could not find this vacuum pump on floor plan, hence controls considered as per control schematic. Please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #81.
177	Loose dampers: As per mechanical drawing M3.7, we have found total 3 loose dampers where it is mentioned that there will be existing Louvers. Is this intent to only provide new motorized damper actuators, not new dampers as well? Please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #94.
178	Loose dampers (Alternate bid 2): As per mechanical drawing M3.7, we have found total 1 loose dampers. This damper size is not shown/available – please confirm size for the top half and bottom half.	CMTA	Refer to Design Team Addendum 4, item #95.
179	Fire and Jockey Pump: Per the provided schedule-M7.0, we have found the system schedule for pumps for fire and jockey pumps details are not provided. While referring to the inputs, we have not found any control schematics or key notes to provide them. Is there a requirement to furnish any controls for Fire and Jockey Pump(s)?	CMTA	Refer to Design Team Addendum 4, item #106.
180	Emergency Shower: Per the provided control schematics-IC5.0, we could identify the flow switch requirement for Emergency Shower. It is unclear whether it is flow switch or flow meter. Please confirm/clarify.	CMTA	Refer to Design Team Addendum 4, item #87.
181	Is an expansion tank and / or air separator required? An expansion tank is referenced on M7.0 but neither an air separator nor expansion tank are shown on the details on M6.1, or elsewhere in the documents.	CMTA	Refer to Design Team Addendum 4, item #107.
182	Are valve packages on the reheat coils acceptable?	CMTA	Refer to Design Team Addendum 4, item #61.
183	The only information we can see regarding chemical treatment is detail 10 on M6.1. Are there any specs/procedures associated with chemical treatment?	CMTA	Refer to Design Team Addendum 4, item #102.
184	Please define any requirements for after-hours work (nights, weekends, etc.).	Whiting-Turner	Any work associated with road closures for South Limestone should be assumed to be completed during off-hours.
185	Is x-ray/scanning of the elevated floor slabs required prior to core drilling?	Omni/B+K	Refer to Design Team Addendum 4, item #41.
186	Enlarged wall section 2/A4.4, looks to show a window sill that returns to the floor at Lab 125B, please clarify since not labeled?	Omni	Refer to Design Team Addendum 4, item #50.
187	Per Drawing P4.0 Detail 1 it shows LPS and LPC lines to each Water Heater. Those LPS and LPC lines are not shown drawing M3.1b or on the referenced enlarged plans on M3.7. Could you please show the routing of those LPS lines to the water heaters.	CMTA	Refer to Design Team Addendum 4, item #74.
188	Will there be water treatment and cleaning for piping if so, can you provide specifications?	CMTA	Refer to Design Team Addendum 4, item #101.
189	Please confirm that Subcontractor 23A will only have to cut, cap, and make safe for the demolition contractor to demo the existing piping, ductwork, and equipment. Will the demolition contractor also remove and store existing condensate pumps, receiver tanks, etc.?	Whiting-Turner	Duplicate question to 156.
190	Will the relocation of piping for the CRAC units in Room 214 & 220 need to be done off hours and with HEPA Tents?	Whiting-Turner	Duplicate question to 157.
191	Is there a spec for the Lab/acid waste spec section 201300-7.P indicate Glass, please advise.	CMTA	Refer to Design Team Addendum 4, item #28.
192	Is Carbon Steel pipe with Vic fittings acceptable on the hydronic pipe 2 ½” and above, Please advise.	CMTA	Refer to Design Team Addendum 4, item #5.
	JCI will typically subcontract the install of devices to an electrical subcontractor – would it be required for that subcontractor to also have a primary, on-site contact for safety related issues (Including the 30-hour Outreach Training Program for Construction), or could the JCI contact be considered that person for the install of its devices?	Whiting-Turner	A competent person is required to be onsite for each trade contractor while work is actively being performed by said trade contractor or by trade contractors 2nd tier subcontractors. Personnel from a 2nd tier subcontractor can be deemed as the competent person for the main trade contractor as long as they meet the requirements. Specifically regarding this question, a JCI contact can act as the competent person for their 2nd tier electrical subcontractor but the JCI contact must be on-site while the 2nd tier electrical subcontractor is working onsite.
193	1. SECTION 250200 - AUTOMATIC TEMPERATURE CONTROLS calls for “ Electrical power wiring and interlock wiring for all controls, signal devices, equipment, alarms, etc., shall be in accordance with diagrams and instructions from the supplier of the systems. All power and control wiring, conduit and wiring connections required for the complete installation, including wiring to smoke dampers and combination fire/smoke dampers and their motors, shall be provided by this Contractor in accordance with Electrical specification requirements. Controls shall be on emergency power. ”	Whiting-Turner	Trade contract 26A will provide 120V power circuit from the 120V/208V panelboard to a junction box adjacent to the BAS controller. Trade contractor 23B or 23C shall make the terminations from said junction box to the controls transformers/controllers that are provided by 23B or 23C respectively. Refer to Design Team Addendum 4, item #35 for additional information.
	The power for these devices is typically completed by the main electrical contractor on the project (Unit 26), and all low-voltage power provided by the Controls Contractor's electrical installer (Unit 23B). This seems to be the direction given on Drawing E-5.1aR.1 as well, stating in Keynote 1: “PROVIDE 120V POWER FOR VAV CONTROLS CIRCUIT IN CEILING SPACE. REFER TO PANEL SCHEDULES FOR CIRCUITING		

		<p>REQUIREMENTS. In addition, in the Unit 26A Trade Contract, page 763, the Electrical Subcontractor is responsible for the following items:</p> <p>19. Equipment Power – 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:</p> <ul style="list-style-type: none"> • 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 		
		In summary, these two sections conflict with one another for which contractor is responsible for providing 120V power for BAS Controls. Should this be amended to clarify?		
194		Controls Contractors will typically bid “underneath” the Mechanical Contractor on a UK project. The Form of Proposal seems to indicate that Contractor 23B-Controls should be bidding directly to the University of Kentucky, and meet all requirements of the project in their own right instead of falling under the Mechanical Contractor. Is that the intent here, or will it be the legacy method where the Mechanical Contractor “carries” the 23B bidder and fills out the Form of Proposal as part of their overall bid submission?	Whiting-Turner	The 23B and 23C controls contractors are bidding the project directly and must meet all requirements of the project in their own right. If awarded, 23B and 23C bidders will go to contract directly with Whiting-Turner and be managed as their own trade contract.
195		Spec section 015200 "Vivarium Protocol & Pest Control" 1.2, A.,1-5: Please clarify scope of work for pest control for this project as it relates to these items. Does "vivarium" pest control only apply to isolated work areas in LDAR space? What areas received "vermin control" both temporary and ongoing? Construction areas only, existing areas only, all areas of 1979/1996 construction? Who determines treatment frequency, inspection intervals, and levels of acceptable "control".	Omni	Refer to Design Team Addendum 4, item #10.
196		Spec section 201300 – 7 note R. Medical gas piping (Compressed Air and Vacuum) states that vacuum piping will utilize Sil-Fos fittings. I don't believe that Sil-Fos fittings are required on this system due to it being waste. Are we required to utilize Sil-Fos fittings? Please advise.	CMTA	Refer to Design Team Addendum 4, item #29.
197		L1.0, note #13: Please clarify that 24" depth of topsoil replacement is necessary/required. This area is heavily congested with multiple utilities and structures that will be encountered at depths less than 24". Excavation methods to achieve this depth and safely protect existing utilities will be both labor intensive and time consuming, thus impacting the budget.	Carman	Refer to Design Team Addendum 4, item #37.
198		Spec section 329113 "Soil Profile Rebuilding": States "areas that are to be vegetated by trees and large woody plants" and "verify the area to be treated is free of any buried utilities". This specification is provided, but not included on L1.0. Additionally, if assumed to relate to L1.0, note #13, the process of "soil profile rebuilding", as specified, will not be possible in the area shown. This area depicts both "lawn areas" as well as "areas to be vegetated by trees and woody plants". Should bidders exclude this work, assume this work in landscape areas only, or provide topsoil to finished grade per typical site restoration?	Carman	Refer to Design Team Addendum 4, item #36.
199		Schedule shows 15 months, labor is stated at 18 months, but items to provide (fencing/protection) are stated at 24 months, 18 months (hoist), or not stated (fall protection, lull) . For bidding purposes, please clarify assumed project duration or specify durations for particular items.	Whiting-Turner	See answer to item 113 above.
200		Addendum 1, plan E4.0, notes E54, E61, E62, & E80: Which bid package is responsible for demolition and restoration of landscape and hardscape as it pertains to electrical conduits as shown? L1.0 does not define hardscape/landscape restoration in this area. Please provide details for restoration.	Carman/Whiting-Turner	Trade contract 01A shall be responsible for is responsible for demolition and restoration of landscape and hardscape as it pertains to electrical conduits as shown. Refer to Design Team Addendum 4, item #38 for additional information.

	201	Can there be one more site visit scheduled in order for us to be able to see the work on the roof and mechanical penthouse in better detail? If there is a chance that the site visit could be schedule for the week of March 6-10 would help but if it has to be next week that would be ok as well.	UK/Whiting-Turner	Additional site visits are at the discretion of the Construction Manager. Please email Nathan Miller and Becky Schneider (nathan.miller@whiting-turner; rebecca.schneider@whiting-turner.com) to request/coordinate an additional site visit.
	202	For the demolition of the underground plumbing, can the floor be overcut in the corners of the floor slab.	B+K	Refer to Design Team Addendum 4, item #42.
	203	Are there any as-built drawings showing the detail of how the precast panels are attached on the building of the 1979 and more importantly the 1996 building?	Omni	Refer to Design Team Addendum 4, item #1.
	204	Will the Pryco day tanks be provided by the electrical contractor or mechanical contractor?	CMTA/Whiting-Turner	Day tanks shall be provided and installed by Trade Contractor 23A (Mechanical). Refer to Design Team Addendum 4, item #108 for additional information.
	205	In the Kentucky permit application to install emergency power stand-by power systems (see attached) in Section 2 item 12, it ask "will fuel tanks inside buildings be restricted to 660 gallons of diesel". The 2 day tanks listed add up to 700 gallons so this won't work. Please clarify.	CMTA	Refer to Design Team Addendum 4, item #65.
	206	Shut off valves are not allowed in return lines. A locking ball valve can be installed in the return line but it has to be locked in the open position. Please clarify.	CMTA	Refer to Design Team Addendum 4, item #63.
	207	There is no spill containment for the fill. The 2 items listed for the fill cap and adaptor (see attached) are for underground tanks. If Pryco day tanks are to be used then Pryco makes a remote fill station. This should be used and the fill line should be 2" not 3". This way Pryco can install a level switch that will activate the alarm in the remote spill box and also shut a valve on the fill line. Please clarify.	CMTA	Refer to Design Team Addendum 4, item #89.
	208	On each day tank the work vent and the emergency vent both must be piped to the outside. Please clarify.	CMTA	Refer to Design Team Addendum 4, item #64.
	209	The drawing shows a fuel oil return pump on the bigger day tank. Why? It seems the bigger day tank should have a fuel supply pump to supply fuel to the smaller day tank. The smaller day tank probably should have a fuel return pump. Someone from Pryco should probably get involved. Will the Fire Marshal's office even allow this transfer between day tanks?	CMTA	Refer to Design Team Addendum 4, item #62.
2/14/2022 2/23/2023	210	I would like to email someone a Substitution Request, Drawings and Product information for the Levolor Manual Roller Shades to be reviewed and added to specifications as an approved manufacturer.	Omni	Refer to Design Team Addendum 4, item "Specification 12 2413 Roller Window Shades"
		Plumbing Division 22:		
		Water Heater Schedule WH-1, WH-2 & WH-3		
	211	Please provide the specification for the steam to water heaters.	CMTA	Refer to Design Team Addendum 4, write-up item "Drawing P1.0"
	212	Please confirm if these are to be double wall construction as the notes do not mention this.	CMTA	Refer to Design Team Addendum 4, write-up item "Drawing P1.0"
	213	If double wall construction is required is copper acceptable and what gauge?	CMTA	Refer to Design Team Addendum 4, write-up item "Drawing P1.0"
	214	Please confirm BACnet MS/TP or IP?	CMTA	Refer to Design Team Addendum 4, write-up item "Drawing P1.0"
	215	Please list Reco as an acceptable manufacture.	CMTA	Refer to Design Team Addendum 4, write-up item "Water Heater Schedule WH-1, WH-2 & WH-3 "
		HVAC Division 23:		
		Flash Tank Schedule FT-1		
	216	Please provide specification for the flash tank.	CMTA	Refer to Design Team Addendum 4, write-up item "Drawing M7.0"
	217	Who is responsible for the construction of the stand the contractor or the flash tank manufacture?	CMTA	Refer to Design Team Addendum 4, write-up item "Flash Tank Schedule FT-1 "
	218	Please list Penn Separator as an acceptable manufacture.	CMTA	Refer to Design Team Addendum 4, write-up item "Flash Tank Schedule FT-1 "
		Steam to Water Heat Exchanger Schedule HX-1		
	219	Please provide a specification for the heat exchanger.	CMTA	Refer to Design Team Addendum 4, write-up item "Drawing M7.0"
	220	Please include Armstrong as an acceptable manufacture.	CMTA	Refer to Design Team Addendum 4, write-up item "Steam to Water Heat Exchanger Schedule HX-1 "
		Hot Water Reheat Coil Schedule		
	221	Please provide a specification of for the coils.	CMTA	Refer to Design Team Addendum 4, write-up item "Drawing M7.0"
3/6/2023	222	Bricks needs water repellent. Precast has a coating on panels and some columns .Don't think 40 VOC will penetrate. Also small fenced building has an EIFS wall system.40 VOC will eat the coating.	Omni	Refer to Design Team Addendum 4, write-up item "Specification 07 1900 Water Repellents"
3/7/2023	223	Can you please let me know if the design and project management teams have approved Levolor Roller Shades	Omni	Refer to item #210 above.
3/8/2023	224	For Dimensional Letters, these are not mentioned in any Scope of Work. Can you please clarify which bid package is to include this spec section?	Whiting-Turner	Refer to attachments.
	225	For Fire Protection, the Accessory Schedule shows that the Recessed Fire Extinguisher Cabinets are OFCI. Are the Fire Extinguishers to be OFCI or new?	Omni	Refer to Design Team Addendum 4, write-up item "Architectural Accessory Schedules"
	226	For Fire Protection, The semi-recessed material is not shown in spec section 10 4413 and the Accessory Schedule shows the Semi-Recessed Fire Extinguisher Cabinets but does not specify who is responsible for this material. Please advise.	Omni	Refer to Design Team Addendum 4, write-up item "Specification 10 4413 Fire Protection Cabinets"

	227	For Fire Protection, are all Fire Extinguishers to be OFCI or new?	Omni	Refer to Design Team Addendum 4, write-up item "Architectural Accessory Schedules"
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Activity ID	Activity Name	OD	RD	% Complete	Start	Finish	2023												2024												2025				
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan			
UK SANDERS-BROWN RENOVATION - BASELINE SCHED							428	428		02-Jan-23 A	06-Nov-24																								
MILESTONES							617	580		02-Jan-23 A	06-Nov-24																								
CONTRACT MILESTONES							617	30		02-Jan-23 A	06-Nov-24																								
M-100	PROJECT START	0	0	100%	02-Jan-23 A		◆ PROJECT START																												
M-800	SUBSTANTIAL COMPLETION	0	0	0%		07-Oct-24*	◆ SUBSTANTIAL COMPLETION																												
M-900	FINAL COMPLETION	0	0	0%		06-Nov-24*	◆ FINAL COMPLETION																												
W-T MILESTONES							453	453		07-Apr-23	02-Jul-24																								
M-960	CONSTRUCTION START	0	0	0%	07-Apr-23		◆ CONSTRUCTION START																												
M-400	LEVEL 4 COMPLETE	0	0	0%		05-Feb-24	◆ LEVEL 4 COMPLETE																												
M-920	PENTHOUSE COMPLETE	0	0	0%		14-May-24	◆ PENTHOUSE COMPLETE																												
M-940	ROOF COMPLETE	0	0	0%		14-May-24	◆ ROOF COMPLETE																												
M-200	LEVEL 2 COMPLETE	0	0	0%		12-Jun-24	◆ LEVEL 2 COMPLETE																												
M-500	LEVEL 1 COMPLETE	0	0	0%		25-Jun-24	◆ LEVEL 1 COMPLETE																												
M-300	LEVEL 3 COMPLETE	0	0	0%		02-Jul-24	◆ LEVEL 3 COMPLETE																												
PERMITS							30	10		11-Jan-23 A	14-Mar-23																								
P001-1000	SUBMIT/RECEIVE FIT-OUT PERMIT	30	10	66.67%	11-Jan-23 A	14-Mar-23	■ SUBMIT/RECEIVE FIT-OUT PERMIT																												
SUBCONTRACTORS BUYOUT							36	20		30-Jan-23 A	28-Mar-23																								
SC-1000	ADVERTISE FOR BIDS	15	0	100%	30-Jan-23 A	07-Feb-23 A	■ ADVERTISE FOR BIDS																												
SC-1010	PRE-BID CONFERENCE	8	0	100%	08-Feb-23 A	08-Feb-23 A	■ PRE-BID CONFERENCE																												
SC-1020	BID OPENING	13	0	100%	09-Feb-23 A	28-Feb-23 A	■ BID OPENING																												
FR01-1000	BID EXTENSION	11	11	0%	01-Mar-23	15-Mar-23	■ BID EXTENSION																												
SC-1030	AWARD SUBCONTRACTORS	9	9	0%	16-Mar-23	28-Mar-23	■ AWARD SUBCONTRACTORS																												
PROCUREMENT							95	95		29-Mar-23	10-Aug-23																								
PROCUREMENT GENERAL REQUIREMENTS							20	20		29-Mar-23	25-Apr-23																								
P01A-1000	AWARD: GENERAL REQUIREMENTS SUBCONTRACTOR	5	5	0%	29-Mar-23	04-Apr-23	■ AWARD: GENERAL REQUIREMENTS SUBCONTRACTOR																												
P01A-1002	PREP & SUBMIT: GENERAL REQUIREMENTS	5	5	0%	05-Apr-23	11-Apr-23	■ PREP & SUBMIT: GENERAL REQUIREMENTS																												
P01A-1004	WT REVIEW: GENERAL REQUIREMENTS	5	5	0%	12-Apr-23	18-Apr-23	■ WT REVIEW: GENERAL REQUIREMENTS																												
P01A-1008	F/D: GENERAL REQUIREMENTS	5	5	0%	19-Apr-23	25-Apr-23	■ F/D: GENERAL REQUIREMENTS																												
PROCUREMENT DEMOLITION							35	35		29-Mar-23	16-May-23																								
P02A-1000	AWARD: DEMO SUBCONTRACTOR	10	10	0%	29-Mar-23	11-Apr-23	■ AWARD: DEMO SUBCONTRACTOR																												
P02A-1002	PREP & SUBMIT: DEMO PLAN	10	10	0%	12-Apr-23	25-Apr-23	■ PREP & SUBMIT: DEMO PLAN																												
P02A-1004	WT SUBMIT: DEMO PLAN	5	5	0%	26-Apr-23	02-May-23	■ WT SUBMIT: DEMO PLAN																												
P02A-1006	R/A: DEMO PLAN	10	10	0%	03-May-23	16-May-23	■ R/A: DEMO PLAN																												
PROCUREMENT CONCRETE							95	95		29-Mar-23	10-Aug-23																								
P03A-1000	AWARD: CONCRETE	10	10	0%	29-Mar-23	11-Apr-23	■ AWARD: CONCRETE																												
P03A-1002	PREP & SUBMIT: CONCRETE	10	10	0%	12-Apr-23	25-Apr-23	■ PREP & SUBMIT: CONCRETE																												
P03A-1004	WT SUBMIT: CONCRETE	5	5	0%	26-Apr-23	02-May-23	■ WT SUBMIT: CONCRETE																												
P03A-1006	R/A: CONCRETE	10	10	0%	03-May-23	16-May-23	■ R/A: CONCRETE																												
P03A-1008	F/D: CONCRETE	60	60	0%	17-May-23	10-Aug-23	■ F/D: CONCRETE																												
PROCUREMENT STEEL							95	95		29-Mar-23	10-Aug-23																								
P05A-1000	AWARD: STEEL	10	10	0%	29-Mar-23	11-Apr-23	■ AWARD: STEEL																												
P05A-1002	PREP & SUBMIT: STEEL	10	10	0%	12-Apr-23	25-Apr-23	■ PREP & SUBMIT: STEEL																												
P05A-1004	WT SUBMIT: STEEL	5	5	0%	26-Apr-23	02-May-23	■ WT SUBMIT: STEEL																												
P05A-1006	R/A: STEEL	10	10	0%	03-May-23	16-May-23	■ R/A: STEEL																												
P05A-1008	F/D: STEEL	60	60	0%	17-May-23	10-Aug-23	■ F/D: STEEL																												
PROCUREMENT WOOD MILLWORK							95	95		29-Mar-23	10-Aug-23																								
P06A-1000	AWARD: WOOD MILLWORK	10	10	0%	29-Mar-23	11-Apr-23	■ AWARD: WOOD MILLWORK																												
P06A-1002	PREP & SUBMIT: WOOD MILLWORK	10	10	0%	12-Apr-23	25-Apr-23	■ PREP & SUBMIT: WOOD MILLWORK																												

■ Remaining Level of Effort ◆ Milestone
■ Actual Level of Effort
■ Actual Work
■ Remaining Work
■ Critical Remaining Work

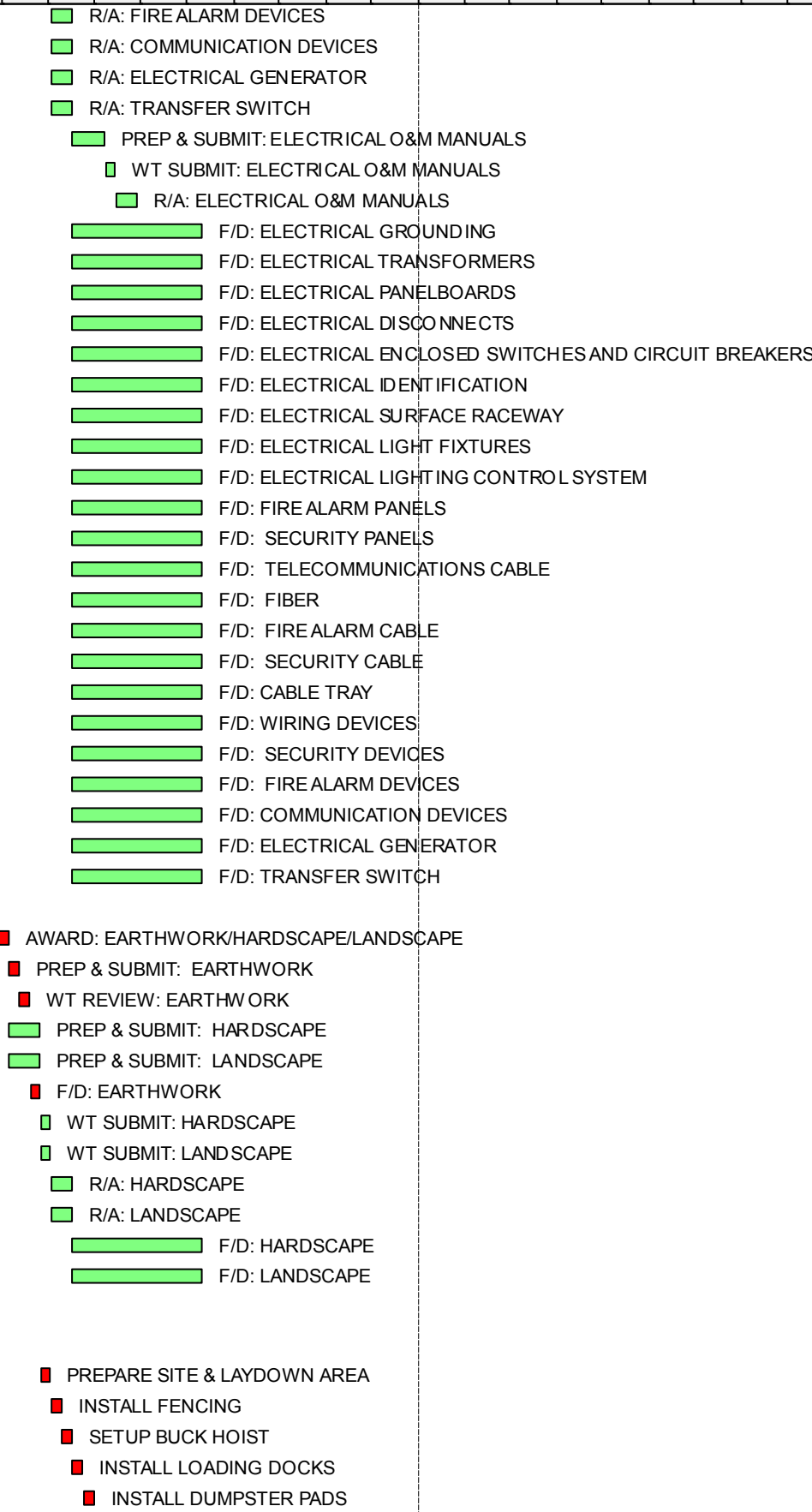


Main activity schedule table with columns: Activity ID, Activity Name, OD, RD, % Complete, Start, Finish, and a Gantt chart area for months Dec 2023 to Jan 2025.

Legend for activity bars: Remaining Level of Effort (green), Actual Level of Effort (blue), Actual Work (orange), Remaining Work (light green), Critical Remaining Work (red). Includes Milestone symbol (black diamond).



Activity ID	Activity Name	OD	RD	% Complete	Start	Finish	2023												2024												2025
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
P26A-1246	R/A: FIRE ALARM DEVICES	10	10	0%	03-May-23	16-May-23																									
P26A-1256	R/A: COMMUNICATION DEVICES	10	10	0%	03-May-23	16-May-23																									
P26A-1016	R/A: ELECTRICAL GENERATOR	10	10	0%	03-May-23	16-May-23																									
P26A-1086	R/A: TRANSFER SWITCH	10	10	0%	03-May-23	16-May-23																									
P26A-1262	PREP & SUBMIT: ELECTRICAL O&M MANUALS	15	15	0%	17-May-23	07-Jun-23																									
P26A-1264	WT SUBMIT: ELECTRICAL O&M MANUALS	5	5	0%	08-Jun-23	14-Jun-23																									
P26A-1266	R/A: ELECTRICAL O&M MANUALS	10	10	0%	15-Jun-23	28-Jun-23																									
P26A-1008	F/D: ELECTRICAL GROUNDING	60	60	0%	17-May-23	10-Aug-23																									
P26A-1048	F/D: ELECTRICAL TRANSFORMERS	60	60	0%	17-May-23	10-Aug-23																									
P26A-1058	F/D: ELECTRICAL PANELBOARDS	60	60	0%	17-May-23	10-Aug-23																									
P26A-1068	F/D: ELECTRICAL DISCONNECTS	60	60	0%	17-May-23	10-Aug-23																									
P26A-1078	F/D: ELECTRICAL ENCLOSED SWITCHES AND CIRCUIT BREAKERS	60	60	0%	17-May-23	10-Aug-23																									
P26A-1118	F/D: ELECTRICAL IDENTIFICATION	60	60	0%	17-May-23	10-Aug-23																									
P26A-1128	F/D: ELECTRICAL SURFACE RACEWAY	60	60	0%	17-May-23	10-Aug-23																									
P26A-1138	F/D: ELECTRICAL LIGHT FIXTURES	60	60	0%	17-May-23	10-Aug-23																									
P26A-1148	F/D: ELECTRICAL LIGHTING CONTROL SYSTEM	60	60	0%	17-May-23	10-Aug-23																									
P26A-1158	F/D: FIRE ALARM PANELS	60	60	0%	17-May-23	10-Aug-23																									
P26A-1168	F/D: SECURITY PANELS	60	60	0%	17-May-23	10-Aug-23																									
P26A-1178	F/D: TELECOMMUNICATIONS CABLE	60	60	0%	17-May-23	10-Aug-23																									
P26A-1188	F/D: FIBER	60	60	0%	17-May-23	10-Aug-23																									
P26A-1198	F/D: FIRE ALARM CABLE	60	60	0%	17-May-23	10-Aug-23																									
P26A-1208	F/D: SECURITY CABLE	60	60	0%	17-May-23	10-Aug-23																									
P26A-1218	F/D: CABLE TRAY	60	60	0%	17-May-23	10-Aug-23																									
P26A-1228	F/D: WIRING DEVICES	60	60	0%	17-May-23	10-Aug-23																									
P26A-1238	F/D: SECURITY DEVICES	60	60	0%	17-May-23	10-Aug-23																									
P26A-1248	F/D: FIRE ALARM DEVICES	60	60	0%	17-May-23	10-Aug-23																									
P26A-1258	F/D: COMMUNICATION DEVICES	60	60	0%	17-May-23	10-Aug-23																									
P26A-1018	F/D: ELECTRICAL GENERATOR	60	60	0%	17-May-23	10-Aug-23																									
P26A-1088	F/D: TRANSFER SWITCH	60	60	0%	17-May-23	10-Aug-23																									
PROCUREMENT EARTHWORK/HARDSCAPE/LANDSCAPE		95	95		29-Mar-23	10-Aug-23																									
P31A-1000	AWARD: EARTHWORK/HARDSCAPE/LANDSCAPE	5	5	0%	29-Mar-23	04-Apr-23																									
P31A-1002	PREP & SUBMIT: EARTHWORK	5	5	0%	05-Apr-23	11-Apr-23																									
P31A-1004	WT REVIEW: EARTHWORK	5	5	0%	12-Apr-23	18-Apr-23																									
P31A-1012	PREP & SUBMIT: HARDSCAPE	15	15	0%	05-Apr-23	25-Apr-23																									
P31A-1022	PREP & SUBMIT: LANDSCAPE	15	15	0%	05-Apr-23	25-Apr-23																									
P31A-1008	F/D: EARTHWORK	5	5	0%	19-Apr-23	25-Apr-23																									
P31A-1014	WT SUBMIT: HARDSCAPE	5	5	0%	26-Apr-23	02-May-23																									
P31A-1024	WT SUBMIT: LANDSCAPE	5	5	0%	26-Apr-23	02-May-23																									
P31A-1016	R/A: HARDSCAPE	10	10	0%	03-May-23	16-May-23																									
P31A-1026	R/A: LANDSCAPE	10	10	0%	03-May-23	16-May-23																									
P31A-1018	F/D: HARDSCAPE	60	60	0%	17-May-23	10-Aug-23																									
P31A-1028	F/D: LANDSCAPE	60	60	0%	17-May-23	10-Aug-23																									
CONSTRUCTION		279	279		05-Apr-23	08-May-24																									
SITE PREPERATION & LAYDOWN AREA		25	25		26-Apr-23	31-May-23																									
SP-1000	PREPARE SITE & LAYDOWN AREA	5	5	0%	26-Apr-23	02-May-23																									
SP-1020	INSTALL FENCING	5	5	0%	03-May-23	09-May-23																									
SP-1040	SETUP BUCK HOIST	5	5	0%	10-May-23	16-May-23																									
SP-1060	INSTALL LOADING DOCKS	5	5	0%	17-May-23	23-May-23																									
SP-1080	INSTALL DUMPSTER PADS	5	5	0%	24-May-23	31-May-23																									



█ Remaining Level of Effort ◆ Milestone
█ Actual Level of Effort
█ Actual Work
█ Remaining Work
█ Critical Remaining Work



Activity ID	Activity Name	OD	RD	% Complete	Start	Finish	2023												2024												2025	
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec
TEMPORARY POWER		40	40		01-Jun-23	27-Jul-23																										
TMP-1000	CREATE TEMPORARY POWER SYSTEM	30	30	0%	01-Jun-23	13-Jul-23	■ CREATE TEMPORARY POWER SYSTEM																									
TMP-1040	REWORK LINE SETS & ELECTRICAL FEEDS - RM 214	20	20	0%	22-Jun-23	20-Jul-23	■ REWORK LINE SETS & ELECTRICAL FEEDS - RM 214																									
TMP-1020	TEST TEMPORARY POWER SYSTEM & GO LIVE	5	5	0%	21-Jul-23	27-Jul-23	■ TEST TEMPORARY POWER SYSTEM & GO LIVE																									
DEMOLITION		51	51		28-Jul-23	09-Oct-23																										
LEVEL 1		17	17		28-Jul-23	21-Aug-23																										
DEM-1060	L1: CUT/CAP & MAKE SAFE	1	1	0%	28-Jul-23	28-Jul-23	L1: CUT/CAP & MAKE SAFE																									
DEM-1000	L1: DEMO INTERIOR	10	10	0%	31-Jul-23	11-Aug-23	■ L1: DEMO INTERIOR																									
DEM-1010	L1: REMOVE DEBRIS	6	6	0%	14-Aug-23	21-Aug-23	■ L1: REMOVE DEBRIS																									
LEVEL 2		17	17		22-Aug-23	14-Sep-23																										
DEM-1080	L2: CUT/CAP & MAKE SAFE	1	1	0%	22-Aug-23	22-Aug-23	L2: CUT/CAP & MAKE SAFE																									
DEM-1020	L2 : DEMO INTERIOR	10	10	0%	23-Aug-23	06-Sep-23	■ L2 : DEMO INTERIOR																									
DEM-1030	L2 : REMOVE DEBRIS	6	6	0%	07-Sep-23	14-Sep-23	■ L2 : REMOVE DEBRIS																									
LEVEL 3		17	17		15-Sep-23	09-Oct-23																										
DEM-1100	L3: CUT/CAP & MAKE SAFE	1	1	0%	15-Sep-23	15-Sep-23	L3: CUT/CAP & MAKE SAFE																									
DEM-1040	L3: DEMO INTERIOR	10	10	0%	18-Sep-23	29-Sep-23	■ L3: DEMO INTERIOR																									
DEM-1050	L3: REMOVE DEBRIS	6	6	0%	02-Oct-23	09-Oct-23	■ L3: REMOVE DEBRIS																									
INTERIOR		279	279		05-Apr-23	08-May-24																										
LEVEL 1		121	121		22-Aug-23	13-Feb-24																										
ROUGH-INS		121	121		22-Aug-23	13-Feb-24																										
L1-25390	L1: LAYOUT WALLS/ INSTALL TOP TRACK/PRIORITY WALLS	7	7	0%	22-Aug-23	30-Aug-23	■ L1: LAYOUT WALLS/ INSTALL TOP TRACK/PRIORITY WALLS																									
L1-27290	L1: INSTALL UNDERSLAB UTILITIES	10	10	0%	22-Aug-23	05-Sep-23	■ L1: INSTALL UNDERSLAB UTILITIES																									
L1-25410	L1: MECH LAYOUT/INSTALL DUCT & PIPE HANGERS	5	5	0%	31-Aug-23	07-Sep-23	■ L1: MECH LAYOUT/INSTALL DUCT & PIPE HANGERS																									
L1-27310	L1: INSTALL SLAB POURBACKS	3	3	0%	06-Sep-23	08-Sep-23	L1: INSTALL SLAB POURBACKS																									
L1-25790	L1: FRAME INTERIOR PARTITIONS	7	7	0%	11-Sep-23	19-Sep-23	■ L1: FRAME INTERIOR PARTITIONS																									
L1-25730	L1: OH ELECTRICAL PWR & LIGHTING CONDUIT	15	15	0%	31-Aug-23	21-Sep-23	■ L1: OH ELECTRICAL PWR & LIGHTING CONDUIT																									
L1-25750	L1: OH SYSTEMS CONDUIT	15	15	0%	31-Aug-23	21-Sep-23	■ L1: OH SYSTEMS CONDUIT																									
L1-25610	L1: OH PLB WASTE & VENT	10	10	0%	08-Sep-23	21-Sep-23	■ L1: OH PLB WASTE & VENT																									
L1-25770	L1: SET HMF'S FOR INTERIOR PARTITIONS	5	5	0%	20-Sep-23	26-Sep-23	■ L1: SET HMF'S FOR INTERIOR PARTITIONS																									
L1-25090	L1: SET ELEC PANELS	3	3	0%	22-Sep-23	26-Sep-23	■ L1: SET ELEC PANELS																									
L1-26310	L1: LEVEL FLOOR	3	3	0%	22-Sep-23	26-Sep-23	■ L1: LEVEL FLOOR																									
L1-25430	L1: DUCT MAINS	5	5	0%	22-Sep-23	28-Sep-23	■ L1: DUCT MAINS																									
L1-25110	L1: SET ELEC DISTRIBUTION EQPT	2	2	0%	27-Sep-23	28-Sep-23	L1: SET ELEC DISTRIBUTION EQPT																									
L1-25810	L1: PLUMBING WALL ROUGH-INS	10	10	0%	18-Sep-23	29-Sep-23	■ L1: PLUMBING WALL ROUGH-INS																									
L1-25190	L1: CONDUIT/ CONN TO DISTRIBUTION EQPT	3	3	0%	29-Sep-23	03-Oct-23	■ L1: CONDUIT/ CONN TO DISTRIBUTION EQPT																									
L1-25830	L1: TEST PLUMBING WALL ROUGH-INS	2	2	0%	02-Oct-23	03-Oct-23	L1: TEST PLUMBING WALL ROUGH-INS																									
L1-25870	L1: ELEC POWER/LIGHTING WALL ROUGH-IN	10	10	0%	22-Sep-23	05-Oct-23	■ L1: ELEC POWER/LIGHTING WALL ROUGH-IN																									
L1-25890	L1: ELEC SYSTEMS WALL ROUGH-IN	10	10	0%	22-Sep-23	05-Oct-23	■ L1: ELEC SYSTEMS WALL ROUGH-IN																									
L1-25450	L1: DUCT BRANCHES	5	5	0%	29-Sep-23	05-Oct-23	■ L1: DUCT BRANCHES																									
L1-25470	L1: HVAC PIPE MAINS	5	5	0%	29-Sep-23	05-Oct-23	■ L1: HVAC PIPE MAINS																									
L1-25910	L1: HVAC CONTROL WALL ROUGH-IN	5	5	0%	29-Sep-23	05-Oct-23	■ L1: HVAC CONTROL WALL ROUGH-IN																									
L1-26330	L1: WALL TOPOUT	5	5	0%	29-Sep-23	05-Oct-23	■ L1: WALL TOPOUT																									
L1-25130	L1: SET ELEC PANEL INTERIORS	3	3	0%	04-Oct-23	06-Oct-23	L1: SET ELEC PANEL INTERIORS																									
L1-25930	L1: MEP WALL CLOSE-IN INSPECTIONS	1	1	0%	06-Oct-23	06-Oct-23	L1: MEP WALL CLOSE-IN INSPECTIONS																									
L1-25850	L1: INSULATE PLUMBING WALL ROUGH-INS	5	5	0%	04-Oct-23	10-Oct-23	■ L1: INSULATE PLUMBING WALL ROUGH-INS																									
L1-25210	L1: PULL/TERM FEEDERS TO DISTRIBUTION EQPT	3	3	0%	09-Oct-23	11-Oct-23	L1: PULL/TERM FEEDERS TO DISTRIBUTION EQPT																									
L1-25490	L1: HVAC PIPE BRANCHES	5	5	0%	06-Oct-23	12-Oct-23	■ L1: HVAC PIPE BRANCHES																									
L1-25950	L1: INTERIOR WALL BLOCKING	5	5	0%	06-Oct-23	12-Oct-23	■ L1: INTERIOR WALL BLOCKING																									
L1-26810	L1: SET EMERGENCY GENERATOR	5	5	0%	06-Oct-23	12-Oct-23	■ L1: SET EMERGENCY GENERATOR																									
L1-25170	L1: ENERGIZE PANELS	1	1	0%	12-Oct-23	12-Oct-23	L1: ENERGIZE PANELS																									

■ Remaining Level of Effort ◆ ◆ Milestone
■ Actual Level of Effort
■ Actual Work
■ Remaining Work
■ Critical Remaining Work



Activity ID	Activity Name	OD	RD	% Complete	Start	Finish	2023												2024												2025
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
L1-33420	L1 OFF: MILLWORK SET COUNTERTOPS	3	3	0%	09-Jan-24	11-Jan-24																					L1 OFF: MILLWORK SET COUNTERTOPS				
L1-33450	L1 OFF: PLB FIXT'S/SERVICE CONN'S @ MILLWORK	2	2	0%	12-Jan-24	15-Jan-24																					L1 OFF: PLB FIXT'S/SERVICE CONN'S @ MILLWORK				
L1-33480	L1 OFF: ELECTRICAL CONN'S@ MILLWORK	3	3	0%	12-Jan-24	16-Jan-24																					L1 OFF: ELECTRICAL CONN'S@ MILLWORK				
L1-33630	L1 OFF: CARPET TILE	10	10	0%	08-Jan-24	19-Jan-24																					L1 OFF: CARPET TILE				
L1-33510	L1 OFF: FINAL POINT-UP WALLS	5	5	0%	17-Jan-24	23-Jan-24																					L1 OFF: FINAL POINT-UP WALLS				
L1-33540	L1 OFF: FINAL PAINT WALLS	5	5	0%	24-Jan-24	30-Jan-24																					L1 OFF: FINAL PAINT WALLS				
L1-33570	L1 OFF: DROP CEILING TILE	5	5	0%	31-Jan-24	06-Feb-24																					L1 OFF: DROP CEILING TILE				
L1-27250	L1 OFF: ELEC FA WALL DEVICES	5	5	0%	31-Jan-24	06-Feb-24																					L1 OFF: ELEC FA WALL DEVICES				
L1-27270	L1 OFF: DATA/TELE/SECURITY DEVICE & TRIMOUT	5	5	0%	31-Jan-24	06-Feb-24																					L1 OFF: DATA/TELE/SECURITY DEVICE & TRIMOUT				
L1-27230	L1 OFF: INSTALL SIGNAGE	3	3	0%	07-Feb-24	09-Feb-24																					L1 OFF: INSTALL SIGNAGE				
BATHROOMS		32	32		01-Nov-23	18-Dec-23																									
L1-33710	L1 BATH: HANG DRYWALL PARTITIONS	8	8	0%	01-Nov-23	10-Nov-23																					L1 BATH: HANG DRYWALL PARTITIONS				
L1-10001	L1 BATH: INSTALL VANITY SUPPORTS	1	1	0%	13-Nov-23	13-Nov-23																					L1 BATH: INSTALL VANITY SUPPORTS				
L1-1010	L1 BATH: INSTALL TOILET PARTITION BLOCKING & SUPPORTS	1	1	0%	14-Nov-23	14-Nov-23																					L1 BATH: INSTALL TOILET PARTITION BLOCKING & SUPPORTS				
L1-33720	L1 BATH: TAPE & FINISH	10	10	0%	08-Nov-23	21-Nov-23																					L1 BATH: TAPE & FINISH				
L1-1100	L1 BATH: INSTALL WALL TILE	3	3	0%	22-Nov-23	28-Nov-23																					L1 BATH: INSTALL WALL TILE				
L1-33740	L1 BATH: PRIME PAINT PARTITIONS	5	5	0%	22-Nov-23	30-Nov-23																					L1 BATH: PRIME PAINT PARTITIONS				
L1-33750	L1 BATH: FINAL PAINT PARTITIONS	5	5	0%	01-Dec-23	07-Dec-23																					L1 BATH: FINAL PAINT PARTITIONS				
L1-1090	L1 BATH: INSTALL FLOOR TILE	1	1	0%	08-Dec-23	08-Dec-23																					L1 BATH: INSTALL FLOOR TILE				
L1-1110	L1 BATH: INSTALL TOILET VANITIES	1	1	0%	11-Dec-23	11-Dec-23																					L1 BATH: INSTALL TOILET VANITIES				
L1-1120	L1 BATH: INSTALL PLB FIXTURES	1	1	0%	12-Dec-23	12-Dec-23																					L1 BATH: INSTALL PLB FIXTURES				
L1-1130	L1 BATH: INSTALL MIRRORS	1	1	0%	12-Dec-23	12-Dec-23																					L1 BATH: INSTALL MIRRORS				
L1-1140	L1 BATH: TOILET PARTITIONS	2	2	0%	13-Dec-23	14-Dec-23																					L1 BATH: TOILET PARTITIONS				
L1-1150	L1 BATH: TOILET ACCESSORIES	2	2	0%	15-Dec-23	18-Dec-23																					L1 BATH: TOILET ACCESSORIES				
LEVEL 2		146	146		15-Sep-23	11-Apr-24																									
ROUGH-INS		135	135		15-Sep-23	27-Mar-24																									
L2-27450	L2: LAYOUT WALLS/ INSTALL TOP TRACK/PRIORITY WALLS	7	7	0%	15-Sep-23	25-Sep-23																					L2: LAYOUT WALLS/ INSTALL TOP TRACK/PRIORITY WALLS				
L2-27470	L2: MECH LAYOUT/INSTALL DUCT & PIPE HANGERS	5	5	0%	26-Sep-23	02-Oct-23																					L2: MECH LAYOUT/INSTALL DUCT & PIPE HANGERS				
L2-27850	L2: FRAME INTERIOR PARTITIONS	7	7	0%	03-Oct-23	11-Oct-23																					L2: FRAME INTERIOR PARTITIONS				
L2-27790	L2: OH ELECTRICAL PWR & LIGHTING CONDUIT	15	15	0%	26-Sep-23	16-Oct-23																					L2: OH ELECTRICAL PWR & LIGHTING CONDUIT				
L2-27810	L2: OH SYSTEMS CONDUIT	15	15	0%	26-Sep-23	16-Oct-23																					L2: OH SYSTEMS CONDUIT				
L2-27670	L2: OH PLB WASTE & VENT	10	10	0%	03-Oct-23	16-Oct-23																					L2: OH PLB WASTE & VENT				
L2-27830	L2: SET HMF'S FOR INTERIOR PARTITIONS	5	5	0%	12-Oct-23	18-Oct-23																					L2: SET HMF'S FOR INTERIOR PARTITIONS				
L2-27150	L2: SET ELEC PANELS	3	3	0%	17-Oct-23	19-Oct-23																					L2: SET ELEC PANELS				
L2-28370	L2: LEVEL FLOOR	3	3	0%	17-Oct-23	19-Oct-23																					L2: LEVEL FLOOR				
L2-27870	L2: PLUMBING WALL ROUGH-INS	10	10	0%	10-Oct-23	23-Oct-23																					L2: PLUMBING WALL ROUGH-INS				
L2-27490	L2: DUCT MAINS	5	5	0%	17-Oct-23	23-Oct-23																					L2: DUCT MAINS				
L2-27170	L2: SET ELEC DISTRIBUTION EQPT	2	2	0%	20-Oct-23	23-Oct-23																					L2: SET ELEC DISTRIBUTION EQPT				
L2-27890	L2: TEST PLUMBING WALL ROUGH-INS	2	2	0%	24-Oct-23	25-Oct-23																					L2: TEST PLUMBING WALL ROUGH-INS				
L2-27250	L2: CONDUIT/ CONN TO DISTRIBUTION EQPT	3	3	0%	24-Oct-23	26-Oct-23																					L2: CONDUIT/ CONN TO DISTRIBUTION EQPT				
L2-27930	L2: ELEC POWER/LIGHTING WALL ROUGH-IN	10	10	0%	17-Oct-23	30-Oct-23																					L2: ELEC POWER/LIGHTING WALL ROUGH-IN				
L2-27950	L2: ELEC SYSTEMS WALL ROUGH-IN	10	10	0%	17-Oct-23	30-Oct-23																					L2: ELEC SYSTEMS WALL ROUGH-IN				
L2-27510	L2: DUCT BRANCHES	5	5	0%	24-Oct-23	30-Oct-23																					L2: DUCT BRANCHES				
L2-27530	L2: HVAC PIPE MAINS	5	5	0%	24-Oct-23	30-Oct-23																					L2: HVAC PIPE MAINS				
L2-27970	L2: HVAC CONTROL WALL ROUGH-IN	5	5	0%	24-Oct-23	30-Oct-23																					L2: HVAC CONTROL WALL ROUGH-IN				
L2-28390	L2: WALL TOPOUT	5	5	0%	24-Oct-23	30-Oct-23																					L2: WALL TOPOUT				
L2-27190	L2: SET ELEC PANEL INTERIORS	3	3	0%	27-Oct-23	31-Oct-23																					L2: SET ELEC PANEL INTERIORS				
L2-27990	L2: MEP WALL CLOSE-IN INSPECTIONS	1	1	0%	31-Oct-23	31-Oct-23																					L2: MEP WALL CLOSE-IN INSPECTIONS				
L2-27910	L2: INSULATE PLUMBING WALL ROUGH-INS	5	5	0%	26-Oct-23	01-Nov-23																					L2: INSULATE PLUMBING WALL ROUGH-INS				
L2-27270	L2: PULL/TERM FEEDERS TO DISTRIBUTION EQPT	3	3	0%	01-Nov-23	03-Nov-23																					L2: PULL/TERM FEEDERS TO DISTRIBUTION EQPT				

■ Remaining Level of Effort
 ◆ Milestone
 ■ Actual Level of Effort
 ■ Actual Work
 ■ Remaining Work
 ■ Critical Remaining Work



Activity ID	Activity Name	OD	RD	% Complete	Start	Finish	2023												2024												2025		
							Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		Dec	Jan
L2-27550	L2: HVAC PIPE BRANCHES	5	5	0%	31-Oct-23	06-Nov-23																											
L2-28010	L2: INTERIOR WALL BLOCKING	5	5	0%	31-Oct-23	06-Nov-23																											
L2-27230	L2: ENERGIZE PANELS	1	1	0%	06-Nov-23	06-Nov-23																											
L2-28030	L2: BUILDING WALL CLOSE-IN INSPECTIONS	1	1	0%	07-Nov-23	07-Nov-23																											
L2-28250	L2: FRAME BULKHEADS	8	8	0%	31-Oct-23	09-Nov-23																											
L2-27610	L2: DUCT INSULATION	10	10	0%	31-Oct-23	13-Nov-23																											
L2-28190	L2: PULL SYSTEMS WIRE	10	10	0%	31-Oct-23	13-Nov-23																											
L2-28170	L2: PULL BRANCH POWER & LIGHTING WIRE	10	10	0%	01-Nov-23	14-Nov-23																											
L2-27570	L2: TEST HVAC PIPE	8	8	0%	07-Nov-23	16-Nov-23																											
L2-27690	L2: SPRINKLER MAINS	8	8	0%	07-Nov-23	16-Nov-23																											
L2-27650	L2: OH CONTROL CONDUIT	10	10	0%	07-Nov-23	20-Nov-23																											
L2-28350	L2: INSTALL AIR VALVES & CONTROL DEVICES	10	10	0%	07-Nov-23	20-Nov-23																											
L2-27370	L2: TERMINATE & PUNCH DOWN SECURITY	7	7	0%	14-Nov-23	22-Nov-23																											
L2-27210	L2: ELEC TERM BRANCH WIRE	6	6	0%	15-Nov-23	22-Nov-23																											
L2-27710	L2: SPRINKLER BRANCHES & DROPS	5	5	0%	17-Nov-23	27-Nov-23																											
L2-27730	L2: OH PLB DOMESTIC WATER	20	20	0%	31-Oct-23	29-Nov-23																											
L2-27290	L2: TEST ELECTRICAL POWER & LIGHTING SYSTEMS	5	5	0%	27-Nov-23	01-Dec-23																											
L2-27750	L2: TEST OH PLB DOMESTIC WATER	2	2	0%	30-Nov-23	01-Dec-23																											
L2-27630	L2: INSULATE HVAC PIPE	10	10	0%	17-Nov-23	04-Dec-23																											
L2-28210	L2: PULL CONTROL WIRE	8	8	0%	21-Nov-23	04-Dec-23																											
L2-27410	L2: RING OUT FA	5	5	0%	04-Dec-23	08-Dec-23																											
L2-27770	L2: INSULATE PLB DOMESTIC WATER	5	5	0%	04-Dec-23	08-Dec-23																											
L2-28090	L2: CABLE TRAY	8	8	0%	21-Dec-23	03-Jan-24																											
L2-27330	L2: TELE/DATA RACK & TERMINATION BLOCK	3	3	0%	04-Jan-24	08-Jan-24																											
L2-27310	L2: PULL LOW VOLTAGE & TELE/DATA WIRE	2	2	0%	09-Jan-24	10-Jan-24																											
L2-27350	L2: TERMINATE & PUNCH DOWN TELE/DATA	7	7	0%	01-Mar-24	11-Mar-24																											
L2-27390	L2: RING OUT & TEST SECURITY SYSTEM	5	5	0%	21-Mar-24	27-Mar-24																											
L2-27430	L2: RING OUT & TEST TELE/DATA	5	5	0%	21-Mar-24	27-Mar-24																											

FINISHES

LABS

L2-33770	L2 LAB: HANG DRYWALL PARTITIONS	8	8	0%	28-Nov-23	07-Dec-23																					
L2-33910	L2 LAB: CHECK/TEST/START-UP HVAC SYSTEM	3	3	0%	05-Dec-23	07-Dec-23																					
L2-34130	L2 LAB: MILESTONE CONDITIONED AIR AVAILABLE	0	0	0%		07-Dec-23																					
L2-33870	L2 LAB: HANG CEILINGS/BULKHEADS	7	7	0%	05-Dec-23	13-Dec-23																					
L2-33790	L2 LAB: TAPE & FINISH PARTITIONS	10	10	0%	05-Dec-23	18-Dec-23																					
L2-33890	L2 LAB: TAPE & FINISH CEILINGS/BULKHEADS	10	10	0%	07-Dec-23	20-Dec-23																					
L2-34150	L2 LAB: RESILIENT SHEET FLOORING	12	12	0%	08-Dec-23	26-Dec-23																					
L2-34430	L2 LAB: SET FUME HOODS	2	2	0%	22-Dec-23	26-Dec-23																					
L2-33810	L2 LAB: PRIME PAINT WALLS & BULKHEADS	5	5	0%	21-Dec-23	28-Dec-23																					
L2-34450	L2 LAB: DUCT CONN'S TO FUME HOODS	3	3	0%	27-Dec-23	29-Dec-23																					
L2-33830	L2 LAB: INITIAL POINT-UP WALLS & BULKHEADS	4	4	0%	27-Dec-23	02-Jan-24																					
L2-34530	L2 LAB: SET OPEN LAB CASEWORK/LAB EQPT	7	7	0%	22-Dec-23	03-Jan-24																					
L2-34470	L2 LAB: CONTROL CONN'S TO FUME HOODS	3	3	0%	02-Jan-24	04-Jan-24																					
L2-34550	L2 LAB: OPEN LAB CASEWORK SET COUNTERTOPS	2	2	0%	04-Jan-24	05-Jan-24																					
L2-33850	L2 LAB: 1ST COAT WALLS & BULKHEADS	6	6	0%	29-Dec-23	08-Jan-24																					
L2-34490	L2 LAB: TIE-IN CEILING GRID AT FUME HOODS	2	2	0%	05-Jan-24	08-Jan-24																					
L2-34570	L2 LAB: PLB FIXT'S/SERVICE CONN'S @ OPEN LAB CASEWORK	2	2	0%	08-Jan-24	09-Jan-24																					
L2-34590	L2 LAB: ELECTRICAL CONN'S @ OPEN LAB CASEWORK	2	2	0%	08-Jan-24	09-Jan-24																					
L2-34650	L2 LAB: INSTALL WALL CABINETS PRIOR TO CEILING GRID	5	5	0%	09-Jan-24	15-Jan-24																					
L2-33930	L2 LAB: ELEC SWITCHES/ PLUGS/SURFACE RACEWAY	8	8	0%	09-Jan-24	18-Jan-24																					

█ Remaining Level of Effort ◆ Milestone
█ Actual Level of Effort
█ Actual Work
█ Remaining Work
█ Critical Remaining Work



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)

Date: _____

Telephone: _____

TO: BID CLERK UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	INVITATION TO BID: <u>CCK-2689-23</u> BID OPENING DATES: <u>MARCH 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>General Requirements</u> TRADE CONTRACT NO.: <u>01A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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.

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

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities
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IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 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 01A – General Requirements

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

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

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

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

1. Scope of Work – It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, temp. shoring, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. Add Alternate – 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. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents. Additionally, this Subcontractor will provide to the Construction Manager (4) 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. OpenSpace – 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 - https://store.insta360.com/product/one_x2?c=1164&from=nav

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- Provide 24 months of OpenSpace Capture software usage. Negotiated rate for the project is \$10,000. For additional information contact greg.saunders@openspace.ai
5. Site Fencing – This Subcontractor shall provide and install all temporary fencing consisting for the construction 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 \$15,000 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. Temp Loading Dock – 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. Buck Hoist Material Lift – 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 24 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. Sanders-Brown Restroom Maintenance – 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. Duration of cleaning and stocking shall be 24 months.
 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 (24 months).
 11. This subcontractor shall provide and install temporary plywood barricade along the covered walkway as shown on the Logistics Plan. This barricade shall be 8 feet in height to act as a non-traversable security barrier.
 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. CM Office Trailer – 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,

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bookcase, kitchenette, etc.), small appliances, printer, TV, docking stations, computer monitors etc. as shown on the logistics plan. Provide \$10,000 to be used for office furniture outlined in 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. Safety – 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. Misc. Carpentry – 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. Dumpsters – This Subcontractor will provide all necessary dumpsters for the duration of the project (24 months minus demolition duration) from the end of demolition through the end of the project. This includes all recycling and separation of materials.
17. Cleaning – This Subcontractor shall provide two laborers (and all associated tools and materials) for 24 months 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. Housekeeping & Equipment Pads – 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. Provide, install and maintain sticky mats at DLAR entrance, Room 214 & 220, and Kentucky Clinic entrance.
20. Weather Protection – This Subcontractor shall maintain all temporary weather protection installed by others at exterior openings. The intent is to prevent any major water intrusion into the existing building. If temporary weather protection is damaged through the course of construction or if major water intrusion occurs this Subcontractor shall be responsible for repair, replacement, or reapplication of temporary measures.
21. Fall Protection – 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 for 24 months 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 **fifty (50)** portable plastic fire extinguisher stands (Firemate brand or equal) and shall provide two (2) annual services/inspections for **fifty (50)** 20lb fire extinguishers. **This subcontractor shall supply twenty (20) 20lb fire extinguishers and the remaining thirty (30) 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. Pest Control – 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. Traffic Control – This Subcontractor will provide two flagman with stop signs and appropriate training **for 24 months** to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
28. **Snow & Ice Removal** – **This subcontractor shall include site maintenance as it pertains to snow and ice removal for all pathways, walkways, ingress, egress, etc. Subcontractor will provide on demand snow and ice removal and salting for 24 months.**

CONCRETE

29. 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.
30. Miscellaneous Items – This Subcontractor shall provide and install all miscellaneous items related to the cast-in-place concrete scope of work. This shall include the following:
 - This Subcontractor shall provide and install all slab-on-grade prep including all compacted crushed stone, under slab insulation and vapor barrier.
 - 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.
31. 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.

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Formwork accessories that are embedded in concrete, including ties and hangers, shall be commercially manufactured products. Do not use non-fabricated wire form ties.

32. Masonry Dowels & Dovetails Slots – 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.
33. Layout – 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.
34. Excavation – This Subcontractor shall be responsible for all excavation for this scope of work. This shall include all excavation, to include hand excavation, required for final grading of footings 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.
35. Concrete – This Subcontractor shall provide all concrete material. This Subcontractor shall also include all equipment and labor to pump the concrete into place including associated clean up. This includes a minimum of one man per truck when conducting pours. This Subcontractor shall coordinate with the Owner’s testing agency as required per the Specifications; this includes but is not limited to providing proper cylinders and test boxes per applicable ASTM sections. In the event that a test should fail, this Subcontractor shall either remove and replace the represented work, or repair the represented area as directed by the Structural Engineer and Architect. All cost associated with additional testing and rework shall be the responsibility of this Subcontractor.
36. Reinforcing Steel – The Subcontractor shall furnish and install all reinforcing steel according to Contract Documents. All materials needed to complete the installation of the reinforcing steel shall be the responsibility of this Subcontractor. This will include, but not be limited to, support chairs, reinforcing safety caps, and tie wire. All remedial work and costs caused by failed tests are the responsibility of this Subcontractor.
37. 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.
38. 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.
39. Anchorage for Embedded Items – 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.
40. Receiving Material Provided by Others – This contractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this Subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to all embeds and anchor bolts. Any repair or replacement due to failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.

41. Openings in Formwork for Other Trades – This Subcontractor will provide openings in formwork to accommodate work for other trades. Determine size and location of openings and recesses from Subcontractors providing such items. Accurately place and support items built into forms. This Subcontractor must obtain written approval from the Construction Manager for openings not shown on the drawings.
42. Concrete Pours – This Subcontractor shall notify the Construction Manager’s project Superintendent a minimum of 72 hours prior to any pour.
43. Placement – 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.
44. Manpower at Truck – 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.
45. Cold or Hot Weather Considerations – This Subcontractor shall provide any requirements and provisions to accommodate hot or cold weather placement of the concrete within this Scope of Work.
46. Finishes – 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.
47. Curing – 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.
48. Control joint saw cutting – Control joint saw cutting required by the Contract Documents shall be the responsibility of this Subcontractor. Control 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.
49. Task Lighting – 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.
50. Truck – Subcontractor is aware of the constricted area, and that trucks will not be permitted to park in construction zone, unless dispensing concrete.
51. Existing Structures – The Subcontractor shall make complete examination and survey of all existing adjacent structures, and roadways to determine all information necessary to design and erect the concrete formwork. This Subcontractor shall be responsible for repairing any damage to existing structures or roadways that result from executing this Scope of Work.
52. Protection – Protect freshly placed concrete from premature drying and excessive cold or hot temperatures per the Contract Documents.
53. Concrete Washout – 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

54. Scope of Work – It is the intent for this project that the Subcontractor performs all the work as scoped herein and as specified in the Project Manual and Contract Drawings. The technique used to install the steel will be the

responsibility of the contractor. The techniques established shall allow for all requirements set forth in the Contract Documents. The Subcontractor will furnish all supervision, labor, material, rigging, equipment, tools, appliances, scaffolding, shoring, warranties, guarantees, Professional Engineer stamps & calculations, and everything necessary for all structural steel and related materials in full compliance with the Contract Documents.

55. Misc. Structural Steel – 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 skim 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) accessory equipment pads by others.
55. Embedded Materials – It is the responsibility of this Subcontractor to coordinate with other Subcontractors the delivery and exchange of all embedded items for this project. With regards to column anchor bolts, this Subcontractor will provide all necessary anchors and layouts for the Concrete Subcontractor to install.
56. Field Dimensions – 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. Erection – 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. Deck Cleaning – This Subcontractor will clean all decking after installation before turning over to the following sub.
60. Materials – 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. Additional Task Lighting – 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. Verification of Anchor Bolt / Embed Locations – 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.

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63. Touch-Up Painting – This Subcontractor shall supply and apply all paint required for touch-up painting of all structural steel, miscellaneous steel and metal deck.
64. Primer – 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.
66. Hoisting – 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. Fire Watch – This Subcontractor will provide a dedicated fire watch during all welding activities.
68. Inspections – 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. Remedial Work – 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. Penetrations – 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. Utility Locating – 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. Laydown Area – 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. Erosion Control – 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. Selective Site Demolition – 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. Excavation – 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. Survey – 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

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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. Finished Grades – 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. Encountering Groundwater – 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. Protection – 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. Stockpile – 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. Construction Entrances – This subcontractor shall install new construction entrances per the logistics plan. 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.
82. Site Conditions – 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. Street Cleaning – 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. Stone – 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. Hardscape – 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
89. Concrete – This Subcontractor shall provide all concrete material. This Subcontractor shall also include all equipment and labor to pump the concrete into place including associated clean up, 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.
90. When pouring, subcontractor will notify the construction manager a minimum of 48 hours prior to any pour.
91. All related material to concrete such as curing compound; heated blankets, sealants, etc. are the responsibility of this subcontractor.
92. 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.
93. 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.
94. 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.
95. This subcontractor shall provide and install all control joints, expansions joints, water stops and joint sealants for hardscaping.
96. This subcontractor shall provide and install all base layers for hardscape to include geotextile filter fabric, stone, compacted washed stone, stone aggregate, DGA, etc.
97. 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.
98. This subcontractor shall provide and install ADA ramps including detectable warning surface.
99. Sidewalk Allowance – 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.
100. Landscape – 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.
101. This subcontractor shall replace all sod, mulch and landscaping that has been disturbed.
102. Steel Edging – This Subcontractor will furnish and install steeling edging around all planting beds and as shown in the contract documents.

103. Layout – 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.
104. Return Site Laydown to Original Conditions – This Subcontractor will put the site lay down back to its 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.
105. Existing Soil Condition – It is the responsibility of this Subcontractor to examine, test, and investigate the existing soil conditions to identify his materials source compliance.
106. Necessary Items for Completion – 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.
107. Weather – Subcontractor shall proceed with his work only when weather conditions will permit the materials to be installed in accordance with those recommendations.
108. Surface Protection – 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.
109. Maintenance – 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.
110. Mobilizations – This Subcontractor has included multiple mobilizations to complete this work.
111. Trees – This Subcontractor shall provide and install all tree staking and gator bags as required by the contract documents.
112. Fertilizer – This Subcontractor shall provide and install fertilizer and fertilizer tablets as required by the contract documents
113. Grading – This subcontractor shall be responsible for fine grading and final grading for all landscaping areas.

SPRAY FIREPROOFING

114. 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).
115. Deliver, protect, store materials in a manner to prevent moisture infiltration, and handle all material in accordance with the Contract Documents.
116. All applications are to be in accordance with manufacture's recommendations in order to receive full warranty from the manufacturer.
117. Provide appropriate testing of substrates prior to application of products.
118. 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.

119. 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.
120. Furnish and install sprayed fireproofing per the contract documents and thicknesses as required meeting applicable codes and fire ratings.
121. This Subcontractor will provide and install all substrate primers and bonding agents to surfaces as required by the manufacturer to accept the specified fireproofing.
122. Protect all adjacent areas and duct work, blowers, vents, conduit, piping, etc, from overspray. Coordinate activities with other trades.
123. Subcontractor has included protection and cleaning of any metal stud top tracks, clips for metal studs at interior walls, shaft walls, and soffit areas.
124. Scrape clean and sweep floors after fireproofing activities at each location.
125. Patching of test areas as required by the testing agency.
126. Any rework or re-spraying of fireproofing due to insufficient thickness as determined by the special inspector is the responsibility of this subcontractor.
127. 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.
128. 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)

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: MARCH 15, 2023
TRADE CONTRACT DESCRIPTION: _____
Selective Demolition
TRADE CONTRACT NO.: 02A
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 _____
ADDENDUM NO. _____ DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

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

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

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 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 02A – 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 complete Contract Documents as they pertain to this Unit of Work.**

- 1) Scope of Work – It is the intent for this project that the Selective Demolition Subcontractor performs all the work as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% supervision, labor, material, equipment, tools, appliances, warranties and guarantees, and everything necessary to selectively demolish, and prepare Sanders Brown for follow on renovation in full compliance with the Contract Documents.
- 2) PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
- 3) Environmental Sensors – 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) Onboarding Service – 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) Logistics Plan – 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) Exterior Components Demo – 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) Interior Components Demo – 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.

- 8) 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) Remaining MEP Demo – 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.
- 10) 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.
- 11) 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) Disposal – 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) Lane Closure – 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) Shoring – 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) Coordination – 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) Fall Protection – 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

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

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) Protection – 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) Protection of Materials – This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
- 22) Break Area - 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 – https://www.amazon.com/Tornado-Circulator-Industrial-Commercial-Residential/dp/B07DVPWG6L/ref=sr_1_9?dchild=1&keywords=outdoor+fans&qid=1626131257&sr=8-9
 - b) 5x 6ft plastic folding table
 - c) 20x plastic folding chairs
 - d) 5x 75ft Masterplug Cord Storage Reel or similar - [Amazon.com: Masterplug OLP751512G4SLU-US OTMP501512G4SL-US Cord Storage Reel, Grey/Green, 75 Ft : Everything Else](https://www.amazon.com/Masterplug-OLP751512G4SLU-US-OTMP501512G4SL-US-Cord-Storage-Reel-Grey-Green-75-Ft-Everything-Else/dp/B07DVPWG6L/ref=sr_1_9?dchild=1&keywords=outdoor+fans&qid=1626131257&sr=8-9)
 - e) 2x TRINITY PRO Black 4-Tier Rolling Steel Wire Garage Shelving Unit or similar - [TRINITY PRO Black 4-Tier Rolling Steel Wire Garage Storage Shelving Unit \(48 in. W x 77 in. H x 24 in. D\) TBFPBA-0925 - The Home Depot](https://www.homedepot.com/p/Trinity-Pro-Black-4-Tier-Rolling-Steel-Wire-Garage-Shelving-Unit-48-in-W-x-77-in-H-x-24-in-D-TBFPBA-0925/318511111)
- 23) Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
- 24) Add Alternates – 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 04A – MASONRY REPAIR

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Masonry Repair</u> TRADE CONTRACT NO.: <u>04A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

ITEM	UNIT	COST PER UNIT
Mason	HR	\$
Laborer	HR	\$
Foreman	HR	\$
Masonry Repointing	SF	\$
Repair of Cracks with Grout Injection (Linear Inch)	LI	\$
Installation of New Stone Patches (Square Inch)	SI	\$

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – 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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 04A – MASONRY REPAIR

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

Unit 04A – Masonry Repair

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

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

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

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

1. Scope of Work – This Subcontractor is responsible for all the work as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% supervision, labor, material, accessories, equipment, tools, shop drawings, submittals, layout, unloading, appliances, rigging, ladders, hoisting, scaffolding, transportation, taxes, warranties and guarantees, and everything necessary to completely clean and repair all masonry in full compliance with the Contract Documents.
2. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
3. Protection – The Subcontractor shall take measures required to protect existing structures during installation of its work. The Subcontractor is also to clean spillage and soilage from adjacent surfaces using cleaning agents and procedures recommended by the manufacturer of the surface. The Subcontractor shall be responsible for and shall clean or repair any damage to existing structures that is related to this scope of work.
4. Hoisting & Scaffolding – All hoisting and scaffolding necessary for the work is to be furnished by this Subcontractor and has been included in the Trade Contract amount. This includes but is not limited to any scaffolding, stairs, hoists, lifts, climbing towers, or center mast climbing platforms.
5. Patching – This Subcontractor shall provide an allowance of \$10,000 for masonry patching that is above-and-beyond what is required for this scope. At any time during the 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 the Construction Manager. Any unspent portion of this allowance will be returned at the end of the project via a Subcontract change order.
6. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations

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

throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

7. Add Alternates – 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.
 - Alternate #2 – Install L2 Lintel (including grout above lintel) in masonry wall opening and grout jambs solid. Tooth in masonry at ends as required. Reframe block and face brick above lintel. Brace existing CMU to concrete deck above.
8. Facade Cleaning – This Subcontractor shall clean all masonry, EFIS and precast, new and existing, as indicated in the Contract Documents.
9. Masonry Repair – This Subcontractor shall inspect, document, and repair all masonry and masonry joints as indicated in the contract documents. This Subcontractor acknowledges that they have had opportunities to visually inspect the condition of the existing masonry prior to submitting the bid. This Subcontractor shall furnish and install all necessary materials for a comprehensive facade restoration in strict compliance with the Contract Documents. This shall include but not be limited to repointing, cleaning all existing brick and investigating all existing steel lintels, notifying the Construction Manager of which lintels require replacement. This subcontractor shall saw cut and repoint brick joint to allow for installation of preformed silicone flashing by 08B as shown on 5/A-8.8
10. Stone Repair – This subcontractor shall repoint existing stone wall as necessary per the contract documents.
11. Receiving Material Provided by Others – This Subcontractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this Subcontractor. WT shall be copied on all delivery tickets. This shall include but not be limited to all HM door frames located in masonry walls, loose lintels, etc. Any repair or replacement due to: failing to notify the Construction Manager, damage, loss of pieces, or negligence of this Subcontractor will be the responsibility of this Subcontractor.
12. Accessories – Subcontractor shall furnish and install all accessories required for the masonry work including, but not limited to in wall reinforcing material, anchors, masonry wall ties, rigid and loose insulation, flashing, masonry lintels, grout, and control joint fillers. This Subcontractor is responsible for buttering with caulk all fasteners penetrating waterproofing as well as patching any air vapor barriers.
13. Materials – This Subcontractor shall clean and protect all masonry cladding before installation and per the Specifications. Also, provide in-progress cleaning and final cleaning per the Contract Documents. Stockpiling and storage of material on site will be prohibited.
14. Openings & Block Outs – This Subcontractor shall coordinate and provide any openings in masonry partitions required by other trades including all precast concrete header, lintel blocks, lintels, or sills as necessary. Subcontractor shall coordinate with the Mechanical and Electrical Subcontractors for pipes, conduits, and other related items embedded in or concealed in masonry walls and shall be responsible for all costs of remedial work of walls constructed without such provisions due to lack of coordination by this Subcontractor. Subcontractor shall install architectural, structural, and mechanical items as furnished by others that are required to be embedded in the masonry walls.
15. Sawcutting – The Subcontractor shall wet-saw-cut all masonry requiring cuts.
16. Special Construction – This Subcontractor shall be responsible for any special masonry units or shapes that may be required for the work. Subcontractor shall furnish and install all materials that may be required to comply

with all details and specifications, including such items as weeps, grouting full all cells of masonry work as required, and other items where area practice indicates work is to be done by a mason, including for the install of cladding materials.

17. Door frame Installation – Hollow metal door frames in masonry walls will be set and grouted by this Subcontractor. This Subcontractor will lay-out the frame locations and shall take all necessary precautions to assure that the frames remain true, plumb, and square during the construction of the masonry work. This Subcontractor shall fill all frames with grout as required by the Contract Documents.
18. Clean up during work – Subcontractor shall final clean, dress and stiff broom all finished wall surfaces on a periodic basis, including the removal of all mortar spillages and slopping from the walls, floors, and other adjacent work of other trades. Subcontractor shall patch or point any deficiencies or chips in the work at this time. This process shall not be delayed until the end of the work but shall be done at the completion of each wall and prior to the time scaffolding is relocated, and if the Subcontractor must leave the job for an extended period of time, all work installed to that date must be cleaned prior to leaving. Chipped or damaged masonry are not to be used in finished areas. Finish of surfaces will comply with preparation standards set forth in the applicable Specification or comply with manufacturers' specified instructions for application by product type.
19. Sand Mix – This Subcontractor is responsible for placing the sand to be used for mortar in locations coordinated with the Construction Manager and is responsible for the removal of all unused or contaminated sand from the building site.
20. Cold or Hot Weather Considerations – This Subcontractor shall provide any requirements and provisions to accommodate hot or cold weather placement of the CMU & brick per the Specifications.
21. Bracing – This Subcontractor shall be responsible for all bracing of walls, that may be necessary to prevent damage to same during the construction period, and for the replacement or rebuilding of any walls not so braced. This Subcontractor shall not install unbraced walls higher than allowed by all applicable codes without bringing this to the attention of the Construction Manager in writing and shall only proceed further upon the written directive of the Construction Manager. Any damage or extra costs incurred from the construction of such work not brought to the specific attention of the Construction Manager shall be the responsibility of this Subcontractor.
22. Envelope Commissioning – Provide envelope commissioning support including but not limited to the following:
 - Completion of envelope commissioning documentation
 - Attendance in envelope commissioning meetings when directed by The Construction Manager.
 - Onsite support to resolve any envelope commissioning issues with your installed work.
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to access your work.

END OF SPECIFIC SCOPE

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

Subcontract 06A – Millwork

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: <u>Millwork</u> TRADE CONTRACT NO.: <u>06A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

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

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

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 06A – Millwork

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 06A – Millwork

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:

Millwork as specified in Contract Documents.

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

1. Scope of Work – It is the intent for this project that the Millwork Subcontractor supplies all materials as scoped herein and as specified in the and Contract Documents. This Subcontractor shall furnish 100% supervision, labor, material, equipment, tools, ladders, lifts, appliances, warranties and guarantees, and everything necessary to completely detail, fabricate, finish, deliver F.O.B. to jobsite, furnish and install all of the required millwork and architectural woodwork in full compliance with the Contract Documents.
2. Specific Scope – This includes, but is not limited to, interior millwork, countertops, restroom counter tops, solid surfaces, reception desks, supports, architectural woodwork furring, blocking, shims, any required misc. steel supports, and hanging strips for installing woodwork and millwork items unless concealed within other construction before woodwork installation. Interior paneling & trim, window trims, mill work cabinets, lavatory tops, display niches, wall trim, wood handrail, exposed wood blocking, varnishes, clear wood finishes, staining, solid surfaces, plastic laminate work, shop drawings, and wood blocking drawings are all supplied and installed by this Subcontractor.
3. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
4. Plastic Laminate Work – This Subcontractor shall furnish and install all base cabinets, wall cabinets, wall shelving, lockers (including all hardware) counter tops, closet and utility shelving, desktops, and any other millwork associated with architectural woodwork.
5. Solid Wood Surfaces – This Subcontractor shall furnish and install interior and standing running trim, interior frames and jambs, flush wood panels, wood cabinets, millwork doors, shop finishes for interior woodwork and any other custom finish carpentry as shown in the Contract Documents.
6. Solid Stone Surfaces – This Subcontractor shall furnish and install all solid surface sills, table & counter tops, tables, bathroom sinks with integral trough drain, and any other item depicted in the Contract Documents as solid surface.

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

7. Medium Density Fiberboard (MDF) – The Subcontractor shall furnish and install all MDF shown throughout details, and in all recessed locations for equipment which is N.I.C.
8. Steel Supports – This subcontractor shall provide and install steel support angles as necessary to support restroom countertops and sinks and stainless steel angle countertop support bracket as shown in detail 12/A-5.2.
9. Blocking – This Subcontractor will provide blocking drawings, complete with top & bottom elevations and wall layout dimensions, which are pertinent to this work, to the Construction Manager in advance of the framing installation. In-wall blocking will be installed by others. Any blocking that is missed as a result of this Subcontractor’s incomplete or undelivered blocking drawings will be the sole responsibility of this Subcontractor.
10. Exposed Blocking – This Subcontractor shall be responsible for all exposed blocking associated with this scope of work.
11. Caulking – This Subcontractor shall be responsible for all caulking necessary to complete this scope of work. This Subcontractor shall be responsible for caulking all transitions to other materials. This includes but is not limited to backsplashes, gaps between millwork, solid surfaces, P-lam, and walls, gaps at the base of these items, and non-painted wood and millwork to adjacent surfaces.
12. Adjusting & Cleaning – This Subcontractor shall provide all final adjustments, cleaning, and instruction related to this Subcontractor’s scope of work. Final adjustments of all hinges and doors associated with this scope of work shall be the responsibility of this Subcontractor.
13. Temporary Protection – This Subcontractor has included temp protection, in the form of “Ram Board”, or approved equal by the Construction Manager, type plastic or other water resistant covering, approved by the Construction Manager, for all counter tops, wall panels, and millwork. This temp protection will be installed as installation progresses and as agreed to with the Construction Manager. Temp protection will be removed by others.
14. Coordination – This Subcontractor shall provide coordination with all Subcontractors related to this scope of work including, but not limited to the following Subcontractors: casework, electrical, mechanical, security, masonry, flooring, drywall, and painting. The Subcontractor acknowledges that portions of this scope of work are to be installed in conjunction with work by others and agrees to all coordination and sequencing as required. This Subcontractor shall attend weekly coordination meetings.
15. Field Measurements – This Subcontractor shall field verify all locations of installation for the material in this scope of work. Components that cannot be field verified shall be capable of being adjusted during installation.
16. Additional Task Lighting – Any task lighting required to ensure adequate working conditions is the responsibility of this Subcontractor. This includes the lights stands, lights, power cords, and any other equipment to operate the lights.
17. Items installed in millwork – This Subcontractor shall be responsible for making cut outs for other Trades whose materials are to be installed into the millwork. This shall include, but not be limited to, lighting, electrical, plumbing, grommets, locks, and all other items to be installed in the millwork once it is delivered to the site. This subcontractor shall be responsible for undermounting of sinks provided by others including drilling and anchoring clips into underside of countertop.
18. Damaged Products – It shall be the responsibility of this Subcontractor to notify the Construction Manager of any materials that are damaged during the processes of construction. This Subcontractor shall be responsible for all minor touch up associated with this scope of work.
19. Installed Floors Protection – This Subcontractor realizes that the floors will be installed prior to the millwork installation. This Subcontractor shall be responsible for the removal of all floor protection necessary for this scope of work. This Subcontractor shall be responsible for protecting all floor areas in which protection has

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

been removed due to installation of millwork. If additional floor protection has been removed for the installation of millwork, it is the responsibility of this contractor to re-install floor protection in the unprotected areas. This Subcontractor shall be responsible for cost associated with damages to the flooring caused by the millwork installation.

20. Craftsmanship – Subcontractor understands that the exposed elements of the work performed under this Subcontract are an integral part of the finished product and will install all such items in a manner clearly indicative of the best trade practices possible. Any items installed in a manner not representing the best workmanship possible shall be reworked until they meet with the approval of the Construction Manager, Owner, or Design Team.
21. Traffic Control – This Subcontractor will provide a flagmen with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
22. Add Alternates – This subcontractor shall review all four alternates as listed in specification section 012300 and as shown in the contract documents. This subcontractor shall provide alternate pricing for each alternate as applicable for this scope of work. 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.

END OF SPECIFIC SCOPE

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

Subcontract 07A – FOAM ROOFING

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Foam Roofing</u> TRADE CONTRACT NO.: <u>07A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BID ALTERNATES

Add Alternate No. 1: Controls in 1996 Building

FOR THE LUMP SUM OF _____
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_____ DOLLARS AND _____ CENTS.
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Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
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_____ DOLLARS AND _____ CENTS.
(USE WORDS) (USE WORDS)

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

ITEM	UNIT	COST PER UNIT
INSTALLER	HR	\$
FOREMAN	HR	\$

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 07A – FOAM ROOFING

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

Unit 07A – Foam Roofing

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

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

Foam Roofing, Sheet Metal Flashing and Trim, Roof Specialties, and Roof Accessories as specified in Contract Documents.

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

1. Scope of Work – It is the intent for this project is that this Subcontractor performs all works scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. PlanGrid License – Include all necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
3. Protection of Materials – This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
4. Remedial Work – This Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable work not installed within acceptable tolerances as described in the specifications. This work includes but is not limited to all removal and replacement as required to remedy all deficiencies as a result of this Subcontractor’s work. The Subcontractor shall also be responsible for any damages prior to inspection and acceptance by the Construction Manager, Engineers, and Owner.
5. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

6. Water Damaged Existing Roofing —This Subcontractor will review the contract documents and replace any and all known water damaged existing foam roofing. This includes demolition, cleanup, and installation and tie in of new foam roofing in the locations noted in the inspection report as well as in the Contract Documents.
7. Foam Roofing —This Subcontractor shall provide and install all materials and accessories related to the new foam roofing system as shown in the Contract Documents. This shall include but not be limited to all roof membranes, foam roof coatings, insulation, screws, adhesives, membranes, flashings, coping, blocking, etc. for a complete and turnkey installation.
8. Miscellaneous Scope – This Subcontractor shall be responsible for the miscellaneous scope items related to roofing to include the following:
 - Provide temporary weatherproofing for roofing where necessary and or where indicated in the Contract Documents.
 - Install caps and provide flashing for vents.
 - This Subcontractor shall provide and install cover flashing over parapet expansion joints
 - All blocking on top of roof sheathing and on top of parapets shall be the responsibility of this Subcontractor.
 - Provide and install all roof expansion joints as indicated in the Contract Documents.
 - All roof coping as shown in the contract documents.
 - This subcontractor shall provide and install prefabricated walkways and accessory equipment pads per the contract documents. This shall include but not be limited to the accessory equipment pads shown to go under the new galvanized guardrail.
9. Tie-off – This Subcontractor shall tie-off 100% of the time while performing this scope of work.
10. Weather – This Subcontractor will not remove or open any existing foam roofing except what can be replaced prior to inclement weather. No areas will remain open overnight.
11. Prepare substrate surface according to the roofing manufacturer's written instructions. A representative from this Subcontractor will be required to be present to verify, examine, and document substrate conditions prior to roof installation.
12. Apply and Install roof layers of foam and tapered insulation, etc. so as to provide positive flow based on roof drains locations and elevations.
13. Field tests will be conducted by this Subcontractor according to the applicable construction documents requirements.
14. This Subcontractor is responsible of conducting a proper coordination with the MEP roof activities to ensure complete installation of equipment curbs and drains prior to roofing is started.
15. Provide and install all flashing, cone flashing, coping, sealants, and termination details to ensure a watertight assembly of parapets, vents, dunnage, clamping ring, all pipes, roof drains, guy wires, and all other MEP penetrations for a complete roof system.
16. Deliver material on site in original sealed package marked with manufacturer's name or brand, and the UL label as indicated in the project specifications. This Subcontractor may be required to provide a crane to hoist material onto roof. This Subcontracting shall include all means and methods for hoisting and coordinate with the construction manager for timing and staging of lifts.
17. Proceed with roof installation when forecasted weather conditions allow for a proper application according to the manufacturer’s written instructions and warranty requirements. This Subcontractor will make sure, prior to finishing work on any given day, regardless of the reason, that all installed and stored materials are properly covered and protected from inclement weather as well as weighted down to keep materials from being damaged or blown by wind.

18. Store material in a proper condition throughout the project as per manufacturer recommendations. This Subcontractor will adhere to the requirements set forth in the Contract Documents related to storage and handling.
19. Comply with the quality assurance requirements including but not limited to manufacturer and installer qualification letters, licenses, certifications, safety, and accreditations.
20. This Subcontractor has included all blocking required for this work, including any and all coping blocking, plywood, etc.
21. This Subcontractor will provide and install a complete roof coping system at the building parapets, in accordance with the Contract Documents. This includes but is not limited to: all required sealants, metal coping, flashing, expansion and control joints, cover pieces, end dams and corner pieces, fasteners, clips, cleats, accessories, etc. for a complete water tight system.
22. This Subcontractor is responsible to daily cover and/or barricade any roof openings, or fall hazards created by this scope of work.
23. Clean roof surfaces properly after installation and before the final completion of the project. Remove all stickers on the aluminum metal coping surfaces. Include the cost of remobilization for final cleaning.
24. Metal Flashing – This Subcontractor shall furnish and install all pre-finished aluminum flashing and trim related to the roofing system indicated in the Contract Documents.
25. Envelope Commissioning – Provide envelope commissioning support including but not limited to the following:
 - Completion of envelope commissioning documentation
 - Attendance in envelope commissioning meetings when directed by The Construction Manager.
 - Onsite support to resolve any envelope commissioning issues with your installed work.
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to access your work.
26. Add Alternates – This subcontractor shall review all four alternates as listed in specification section 012300 and as shown in the contract documents. This subcontractor shall provide alternate pricing for each alternate as applicable for this scope of work. 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.

END OF SPECIFIC SCOPE

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

Subcontract 07B – Waterproofing & Caulking

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Waterproofing & Caulking</u> TRADE CONTRACT NO.: <u>07B</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

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

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

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

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

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

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

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Participation of Minority and Women owned Contractors and businesses.

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

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

Revised 3/22/06

TRADE CONTRACT – 07B – Waterproofing

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

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

Unit 07B – Waterproofing & Caulking

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

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

All specifications as they relate to the Waterproofing & Caulking scope of work.

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

1. **Scope of Work** – It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, temp. shoring, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
3. **Joint Sealers/Sealants** – This Contractor shall furnish and install all joint sealants to dissimilar materials and all necessary materials for a comprehensive installation in strict compliance with the contract documents. All provisions required for this unit of work are applicable to this work. The Subcontractor shall exclude all hardscaping sealant, and all joint sealant to similar materials. Examples of responsibility are as follows, but are not limited to:
 - Gypsum Sheathing to Adjacent
 - Concrete to Adjacent
 - Metal Panel to Adjacent
 - Window/Curtain Wall to Adjacent
 - CMU, Brick or Stone to Adjacent
 - Steel to Adjacent
 - Remove sealant at existing window/louwer/door opening perimeter and apply new sealant.
 - Remove existing sealant at brick control joints and relief angle and apply new sealant.

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

4. Air and Vapor Barrier – This Contractor shall furnish and install all Fluid-Applied Air and Vapor Barrier for a comprehensive installation in strict compliance with the contract documents. This shall apply to all substrates behind all skin types.
5. Below Grade Waterproofing – This subcontractor shall provide below grade waterproofing/bituminous dampproofing at locations where new concrete stem wall is below grade. Coordinate with site plan and terminate waterproofing so that no waterproofing is visible above grade.
6. Elastomeric Coating – This subcontractor shall apply elastomeric coatings per the contract documents. This shall include but not be limited to, at exposed precast concrete panels and at bases of exterior columns.
7. Mockup – This Subcontractor shall furnish and install Joint Sealants as described above for the project mockup. All provisions required are applicable to this scope of work.
8. Surface Preparation – This Subcontractor will provide misc. surface preparation if minor work is required to install this scope of work. In the event this Subcontractor discovers large areas of substrate that have not been prepared per specification or manufacturer's requirements, this Subcontractor will provide written notification to the Construction Manager in order for others to fix.
9. Weather – Subcontractor shall proceed with his work only when weather conditions comply with Manufacturer's recommendations and will permit the materials to be applied in accordance with those recommendations.
10. Watertight system – The complete waterproofing system is to be installed watertight. Damage to finished materials of other Subcontractors and vendors resulting from leaks in the waterproofing system shall be the responsibility and liability of this Subcontractor, including all direct and indirect costs of repair.
11. Envelope Commissioning – Provide envelope commissioning support including but not limited to the following:
 - Completion of envelope commissioning documentation
 - Attendance in envelope commissioning meetings when directed by The Construction Manager.
 - Onsite support to resolve any envelope commissioning issues with your installed work.
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to access your work.
12. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
13. Add Alternates – 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.

END OF SPECIFIC SCOPE

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

Subcontract 08A – Doors, Hardware, & Security

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Doors, Hardware, & Security</u> TRADE CONTRACT NO.: <u>08A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

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

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – 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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 08A – DOORS, HARDWARE, & SECURITY

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

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

Unit 08A – Doors, Hardware, & Security

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

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

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

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

1. Scope of Work – It is the intent for this project is that this Subcontractor performs all works scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
3. Specific Scope Items – This Subcontractor shall provide and install the following items related to Doors Hardware & Security to include but not be limited to:
 - Provide all new door frames (does not include storefront frames).
 - Provide and install all new doors (does not include storefront).
 - Provide all door hardware sets regardless of door type. Hardware for aluminum storefront doors will be provided and installed by 08B Glass & Glazing Subcontractor. This Subcontractor shall install all other hardware.
 - Modify preparation of existing doors and frames to receive new hardware. Removal and replacement of existing to remain door should be included if required to complete hardware preparation.
 - Provide and install all door security including but not limited to all electrified hardware, card readers, DPS, REX, Lenel boards, enclosures, power supplies, low voltage door wiring, etc. Card readers, DPS, REX, Lenel boards, power supplies and wiring for these doors are still the responsibility of this Subcontractor.
 - Complete all programming for door security.
 - Provide all cylinders with temporary construction cores for use during construction. Provide permanent cores and keys and coordinate keying with owner.
 - Provide and install four sets of double doors (two of these will be uneven pair with 54” opening width) and two single doors including frames and hardware for temporary use during construction. These shall be

used at the discretion of Whiting-Turner and any unused portion should be credited back at the end of the project. Typical hardware shall include cylindrical lock, heavy duty hinges, flush bolt, gasket/weather stripping, astragal and sweep. One temporary single door will need a PIN lock and a surface closer in addition to the typical hardware.

- Doors should arrive to site with hardware already installed and ready to hang. There will not be room for onsite hardware storage and installation and for this reason pre-assembly will be required.
 - This Subcontractor to provide and install all door auto-operators. This shall include all associated push buttons, electric push button door lock, bollards for push button, bollard sleeve etc. Pathway and concrete base for bollards shall be installed by others.
 - Security/Access Control/Video Surveillance.
 - This Subcontractor shall provide and install all interior and exterior cameras and be responsible for all programming, adjusting, positioning, etc.
 - Finishes for new doors and hardware to comply with the Contract Documents.
 - This Subcontractor shall provide all wiring, devices, hardware, controllers, etc. required for a complete security/access control install to include but not be limited to the following:
 - Security and door access control panels
 - Card Readers
 - Bollards for bollard mounted card readers and push buttons
 - Power Supplies
4. Certain perimeter doors and frames are shown to be replaced. In order to maintain security and weathertight perimeter of building these doors and frames will remain in place until the new doors and frames are onsite and ready to be installed. This subcontractor shall remove and dispose of these specific existing doors and frames in the general construction dumpster. See logistics plans for specific door locations.
5. Scope by Others – Installation of all door frames will be by others. Signed written documentation and receipts are required to be provided to The Construction Manager and frame installer when frames are turned over to others. All frames shall be inspected two weeks prior to installation of doors to ensure that the frames have been installed correctly and plumb. Aluminum Storefront doors shall be by others.
6. Blocking – This Subcontractor will provide blocking drawings, complete with top & bottom elevations and wall layout dimensions, which are pertinent to this work, to the Construction Manager in advance of the framing installation. In-wall blocking will be installed by others. Any blocking that is missed as a result of this Subcontractor’s incomplete or undelivered blocking drawings will be the sole responsibility of this Subcontractor.
7. Preparation – This Subcontractor shall properly detail, fabricate, tag, furnish, and deliver the hollow metal & wood doors and frames as detailed in the Contract Documents.
8. Fabrication – This Subcontractor agrees to fabricate all doors and frames utilizing the approved hardware schedule and templates as provided in the Contract Documents and as approved by the Architect. All frames and doors are to be assembled off site so that they are delivered to the jobsite “pre-fabricated” and assembled, ready for installation.
9. Labeling – This Subcontractor shall provide fire-rated doors, frames, and hardware with permanently affixed labels at all rated openings. This Subcontractor shall also be responsible for compliance with all code requirements (local, state, and federal), NFPA Standards, and U.L. rating requirements related to this scope of work. Advise Construction Manager of any building code violations Subcontractor is knowledgeable of and shall be responsible for all costs associated with such labels being inadequate or improper for the usage intended.
10. Astragals & Sweeps – This Subcontractor agrees to furnish and install all necessary astragals at doors and sweeps as required in the Contract Documents.

UNIVERSITY OF KENTUCKY – Improve Sanders-Brown Center on Aging/Neuroscience Facilities
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11. Wood Doors – This Subcontractor shall promptly detail, fabricate, finish, tag, deliver F.O.B. to jobsite, prep, assemble, and install all wood doors as required and indicated on the Contract Documents. All glazing for wood doors shall be the responsibility of this Subcontractor.
12. Hardware – This Subcontractor shall properly detail, fabricate, tag, furnish, deliver, and install the finish hardware for the Project as required and indicated on the Contract Documents including but not limited to: stanchions, hinges, cores, lock sets, pull handles, crash bars, kick plates, card scanners, wall mounted card scanners, door position switches, auto operators, ADA operators, request for exit switches, all electrified hardware, power supplies, card readers, etc. or as otherwise noted in the Contract Documents. All hardware will be catalogued and confirmed as delivered.
13. Door Glazing – This Subcontractor shall include all door glazing for this scope of work. This shall include pre-glazed doors or glazing onsite. This shall include all glazing stops, adhesives, and sealants.
14. Delivery – This Subcontractor shall have a representative on site for receiving and logging in all frames, wood doors, hollow metal doors, and finish hardware as it is delivered. The Subcontractor's monthly Pay Application shall be based on delivery tickets signed by the Construction Manager for any given month. All deliveries must be coordinated with the Construction Manager and are to be made in accordance with the scheduled sequence of work. Out of sequence deliveries will not be accepted.
15. Receive and Inventory Materials – This Subcontractor is responsible for receiving, creating inventory, and storing all doors, hardware, and accessories that are required to be installed by this Scope of Work. This Subcontractor will notify the Construction Manager within 3 days of receipt of inventory of any missing, damaged, or incorrect item as listed in the Contract Documents.
16. Shop Drawings and Coordination – This Subcontractor shall provide all of the required coordination between the approved hardware shop drawings and the preparation and fabrication of the doors and frames. This includes coordinating all frames with wall thicknesses. This Subcontractor shall correct all miss-fabricated doors or frames in the field as required by the Construction Manager. This Subcontractor will be responsible for the reproduction of all shop drawings and other submittals including the cost thereof. This includes "field use" shop drawings which are to be sent to the jobsite immediately after shop drawings have been approved.
17. Quality Control – This Subcontractor shall be responsible to coordinate quality control walks with The Construction Manager and with itself after and during the installation of all doors.
18. Transport of Doors and Hardware – This Subcontractor shall be responsible for relocating all doors and hardware from the door and hardware room to the final installation location. All labor and cost associated with this work shall be this Subcontractors responsibility.
19. Preparation – This Subcontractor shall install the hollow metal doors, wood doors, and hardware as required and indicated on the Contract Documents. Any minor adjustments required to provide a fully operational door, frame, and hardware assembly shall be included in this Subcontractors scope of work.
20. Adjusting – This Subcontractor shall provide all lubrication, adjustment, cleaning, and instruction related to their scope of work. This Subcontractor shall be responsible for all final adjustment of the doors and hardware after final building Test & Balance has been taken place. This Subcontractor has included all necessary mobilizations in order to accomplish these adjustments.
21. Security – This Subcontractor shall be responsible for installing a complete security package. This includes but is not limited to the installation of door security device, wiring, from the power supply to the device, REX sets, card readers, all power supplies, electrified hardware, security cards, card enclosures, programming, wiring harnesses, wiring from the security panel and board to hardware, Lenel boards, all testing, and coordination for communication with Construction Manager and the Owner.
22. This Subcontractor shall provide elevator lobby two way communicating devices as required by the Contract Documents, including signage.

23. Storefront Doors – This Subcontractor will be responsible for wiring and devicing all aluminum storefront doors indicated to have security and or electrified hardware. This includes all door side wiring, including, but not limited to, all power supplies, position switches, card readers, etc. necessary for a complete and functioning door.
24. Wiring – This Subcontractor shall be responsible for all door side security and electrified hardware wiring from the power supply to the installed equipment. This includes but not limited to card readers, door position switches, eye scanners, wall mounted card readers, and request for exit switches. This Subcontractor will provide all necessary systems, parts, or accessories necessary for a fully functioning door. This Subcontractor shall also be responsible for all wiring necessary to complete a complete and turnkey security system.
25. Necessary items for Completion – This Subcontractor agrees that the intent of this Subcontract is to provide all items necessary for a complete and total job. Items such as but not limited to wall bumpers, extra silencers (+15% of job), weather stripping, thresholds, anchors, fasteners, adhesives, bolts, shims, and related items are the responsibility of this Subcontractor whether or not they are specifically called for in the Contract Documents. They are to be furnished by the Subcontractor at no additional cost, if necessary, to provide a complete and total job, including compliance with requirements of applicable codes and governing authorities.
26. Damaged Products – It shall be the responsibility of this Subcontractor to notify the Construction Manager of any materials that are damaged during the processes of construction. This Subcontractor shall be responsible for all minor touch up associated with this scope of work.
27. Final Keying – This Subcontractor will provide all final keying for the entire building, including all required submittals and the Owner keying conference to map out degree of security as noted in the Contract Documents. All final cores will be delivered directly to the Owner’s lock shop and will be installed by the Owner’s lock shop.
28. Commissioning – Provide envelope and security 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 to resolve any commissioning issues with your installed work.
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to access your work.
29. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
30. Add Alternates – 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.

END OF SPECIFIC SCOPE

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

Subcontract 08B – Glass & Glazing

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

Purchasing Officer: Kenn Scott

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

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

Date: _____

Telephone: _____

TO: BID CLERK UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	INVITATION TO BID: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Glass & Glazing</u> TRADE CONTRACT NO.: <u>08B</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

ITEM	UNIT	COST PER UNIT
Installer	HR	
Foreman	HR	

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – 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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 08B – Glass & Glazing

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

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

Unit 08B – Glass & Glazing

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:

Glass, Glazing, & Metal Panels as specified in Contract Documents

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

1. **Scope of Work** – It is the intent for this project that this Subcontractor perform all the work as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% supervision, labor, material, equipment, tools, appliances, warranties and guarantees, and everything necessary to completely detail, fabricate, tag, and deliver F.O.B. to jobsite, and install all of the required:
 - a) Provide and install curtainwall systems. This shall include all accessories such as anchorage brackets, extruded trim, gasketing, internal weep drainage system, interior sill extension, partition closure, custom aluminum jamb extensions, etc.
 - b) Provide and install all interior glass & glazing. This shall include all accessories such as anchorage, fasteners, trim, and gaskets.
 - c) Provide and install new storefront.
 - d) Provide and install all fire rated glazing systems.
 - e) Provide and install all fixed louvers
 - f) Provide and install new storefront frames, doors and hardware including electrified hardware. Security devices and wiring will be by others.
 - g) Provide and install all glazing to include insulated glass, tempered glass, infill panels, spandrels, ceramic frit glass etc.
 - h) Provide and install applied film to all glazing as indicated on the Contract Documents.
 - i) Provide and install all joint sealants, air seal, weather barrier/seal, edge seal, gasket seal, preformed silicone flashing, self-adhered flashing strips, custom fabricated sheet metal flashing, etc. associated with this scope of work.
 - j) Provide and install glass-fiber blanket insulation and air barrier behind the spandrel panels as shown on Details 2 & 3/A-5.9; 1/A5.10 and similar.
 - k) This Subcontractor shall be responsible for all means of access including all scaffolding, lifts, etc. to complete the installation of this scope of work.
 - l) This Subcontractor shall provide and install joint sealants relating to this scope of work. This shall include all joint sealant between curtainwall and steel.
 - m) Provide and install all metal composite panels including all exterior load bearing sub-framing, mineral-wool board insulation, panel clips, anchors, fasteners, joint sealants, sheet metal flashing & trim in accordance with the Contract Documents.
 - n) Provide and install perforated aluminum wall panel system (scrim) including tube framing, slip/dead load anchors, etc. Tube framing should be shop finished with high performance coating.

- o) Provide and install exterior dimensional characters with concealed supports attached to perforated metal scrim.
- p) Provide and install all exterior expansion control joints (EJ-EXT2) in accordance with the Contract Documents. Roofing expansion control joints will be by others.

This work will be completed in full compliance with the Contract Documents. The technique used to install this scope of work will be the responsibility of this contractor. The techniques established shall allow for all requirements set forth in the Contract Documents and for a complete turn key glass & glazing package.

2. Materials & Accessories – This Subcontractor shall furnish and install all flashing, trim, wood blocking, caulking, weather barrier seal, spray polyurethane foam insulation, glass-fiber blanket insulation, accessories, anchors, fasteners, clips, aluminum framing, glazing, dustless strikes, extruded aluminum caps with insulation where window mullions meet walls, anchors and any other items necessary to furnish and complete the systems associated with this unit of work as detailed within the Contract Documents.
3. Doors & Accessories – This Subcontractor shall furnish and install all storefront doors, hardware, glazing, thresholds, fasteners, closures, power supplies, handicap push buttons, exit devices, weather stripping, and accessories for storefront doors. This Subcontractor shall provide necessary raceways for electrical wiring, security wiring, etc. within all doors and frames provided within this scope. This Subcontractor will wire all low voltage connections from auto operators to the push buttons. 120 V power and wiring from power supply and upstream will be by others.
4. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
5. Flashing – This Subcontractor shall be responsible for all pre-finished aluminum flashing and trim that is directly adjacent to all windows, storefront, and curtainwall. This shall include but not be limited to all window head, jambs and sills.
6. Caulking – This Subcontractor shall furnish and install all interior and exterior caulking and sealants, backer rod, and fastener penetrations for all the items associated with this unit of work. This includes caulking this Subcontractors work to the adjacent substrates and surfaces to complete a complete and final product.
7. Shop Drawings and Coordination – This Subcontractor shall provide all of the required coordination between the approved shop drawings and the preparation and fabrication of the glazing systems. This Subcontractor will be responsible for the reproduction of all shop drawings and other submittals including the cost thereof. This includes "field use" shop drawings that are to be sent to the jobsite immediately after shop drawings have been approved. This Subcontractor shall immediately commence with the preparation of all items to be submitted/approved as required by the Construction Documents.
8. Coordination – This Subcontractor acknowledges that portions of this Subcontractor's scope of work are to be installed in conjunction with work by others and agrees to all coordination and sequencing as required by the Construction Manager. Coordinate all deliveries with the Construction Manager.
9. Field Measurements – This Subcontractor shall be responsible for field measurements as required to perform this scope of work. The requirements of field measurements shall not alter or extend the contract schedule.
10. Existing Structures – This Subcontractor shall survey and examine all existing adjacent structures to determine all information necessary to furnish and install the glazing systems. This Subcontractor shall clean or repair any damage to existing structures that results from executing this Scope of Work.
11. Storage – This Subcontractor is responsible for protection of all stored materials on site. Store materials in an upright position, off the ground, undercover, and protected from weather, direct sunlight, and construction

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

activities. Protect materials and finish during handling and installation to prevent damage. Special precautions will be required due to increased wind loading and weather conditions.

12. Protection of Materials – This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Contractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Contractor at no additional cost to the Owner or Construction Manager.
13. Samples – This Subcontractor shall provide samples for initial material selection and for verification with specified size, type, and quantities as stated within the Specifications.
14. Cleaning – This Subcontractor shall clean all glazing and frames upon completion of his work. This includes the removal of all stickers, sealants, or other items that are not cleanable with soap and water if these were caused by this Subcontractor’s work. It is agreed that a final cleaning shall not be included in this scope of work.
15. Acceptance of Substrates – This Subcontractor will verify the dimensions and any other conditions (including moisture content) of the substrate to confirm that it is acceptable prior to beginning this unit of work. This Subcontractor should review the substrate and notify the Construction Manager in writing of any deficiencies. Commencement of this unit of work shall constitute acceptance of substrates.
16. Supplemental Framing – This Subcontractor shall provide any supplemental framing requirements to properly support this work that is not shown on the Contract Documents.
17. Surveying – It is this Subcontractors responsibility to survey opening sizes, supports, and other conditions affecting this work at least two weeks prior to installation. Notify Whiting-Turner immediately of any problems.
18. Proper Operation – It is this Subcontractor responsibility to install all doors leveled, plumb, and square to ensure a properly functional and operating door.
19. This subcontractor shall coordinate with 01A – Concrete for rebar detection an layout prior to anchoring curtainwall into existing concrete structure. This subcontractor shall not cut existing reinforcement in existing concrete.
20. Envelope Commissioning – Provide envelope commissioning support including but not limited to the following:
 - Completion of envelope commissioning documentation
 - Attendance in envelope commissioning meetings when directed by The Construction Manager.
 - Onsite support to resolve any envelope commissioning issues with your installed work.
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to access your work.
21. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
22. Alternate - This Subcontractor shall review the alternate 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.
 - Add Alternate #2 – Provide and install new 152”x100” louver. Provide and install insulated blank of panel at existing louver.

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: Ken Scott

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

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

Date: _____

Telephone: _____

TO: BID CLERK UNIVERSITY OF KENTUCKY CAPITAL CONSTRUCTION PROCUREMENT RM. 322 SERVICE BUILDING 411 SOUTH LIMESTONE LEXINGTON, KY 40506-0005	INVITATION TO BID: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Drywall & Ceilings</u> TRADE CONTRACT NO.: <u>09A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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.

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – 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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 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 complete Contract Documents as they pertain to this Unit of Work.**

1. Scope of Work – 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, warranties, 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.

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

- 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.
 - This subcontractor shall remove and reinstall existing ceiling tiles and tees at locations of new plumbing piping as shown on P3.1b/P3.5b and adjacent to cable tray in corridor 100B as shown on E6.1b. Additionally, this subcontractor shall provide and install 100 new ceiling tiles for the 1996 portion of the building in addition to the new tiles shown on A-6.1b, A-6.2b, A-6.3b, and A-6.4b. This shall include any cuts to tiles necessary for installation.
 - Provide and install knee brace kit for knee walls.
2. Coordination – This Subcontractor acknowledges that portions of this scope of work are to be installed in conjunction with work by others and agrees to all coordination and sequencing as required. All deliveries must be coordinated with the Construction Manager.
 3. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
 4. Mobilization – This Subcontractor may be required to perform more than one mobilization as a requirement of this scope of work.
 5. Finish – This Subcontract shall provide the gypsum board finish level in accordance with the Contract Documents. The finished drywall shall be plumb, level, and true to line, and must have a smooth and unblemished finish ready for the application of surface treatments by others. This Subcontractor understands that the exposed elements of work performed under this subcontract are an integral part of the finished product and will install all such items in a manner clearly indicative of the best trade practices possible. Any items installed in a manner not representing the best workmanship possible shall be reworked until they meet with the approval of the Construction Manager and the Architect. This Subcontractor will wipe-down all walls after completion of finishing prior to prime painting of walls (painting by others) to remove any drywall paper raised from the sanding process. This includes finishing all walls within the limits of construction, including any existing walls not specifically called out in the Construction Documents. 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. Caulking – 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. Cold Formed Metal Framing (CFMF) – This Subcontractor shall engineer, fabricate, provide and install all necessary CFMF for the project.
 9. Blocking – 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, all costs required to bring it immediately back into service by this Subcontractor or the Construction Manager will be borne by this Subcontractor.
11. Fire-Safing/Fire-Stopping – This Subcontractor shall be responsible for furnishing and installing all fire-safing/fire stopping as required by the Contract Documents for this scope of work. Fire-Safing / Fire-Stop shall be by others for all penetrations made by others for piping, ductwork, etc. This Subcontractor shall include firestopping at top of wall details and at gap between exterior wall and roof decking.
12. Insulation – 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. 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. Sheathing – This Subcontractor is responsible for all exterior wall sheathing as detailed in the Contract Documents.
15. EIFS – 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. Installation of Hollow Metal Door Frames in GWB – 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. Receiving Material Provided by Others – This contractor shall receive, handle, inventory, inspect, protect, and be responsible for, once delivered, all materials furnished by others to be installed by this Subcontractor. WT

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

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. Layout – This Subcontractor shall be responsible for all walls, ceilings, door frame, and window opening layout.
19. Storage – 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. Quality Control – This Subcontractor shall respond both in regard to corrective action and with written notification to the Construction Manager of Quality Control Reports that are noted as being deficient. Corrective action and written notification is required within 48 hours of issuance of the deficient Quality Control Report, unless the deficiency requires a more rapid response which would make the needed corrections to be made within 24 hours of issuance of the report. Issued QC Reports will show the required time to correct any deficiencies. Any delays and cost caused to other Subcontractors who are directly associated to a lack of response to a deficient QC Report by this Subcontractor will be the responsibility of this Subcontractor. If no response is given, payment may be withheld until corrections are made.
21. Protection of Materials – This Subcontractor is responsible for the protection of adjacent materials and finishes products prior to starting work as well as of the work installed by this Subcontractor. Damage to adjacent surfaces or finish products will be repaired or replaced by this Subcontractor at no additional cost to the Owner or Construction Manager.
22. Remedial Work – This Subcontractor shall be responsible for furnishing all labor, materials and equipment to perform remedial work for all unacceptable work not installed within acceptable tolerances as described in the specifications. This work includes but is not limited to all removal and replacement as required to remedy all deficiencies as a result of this Contractor's work. The Subcontractor shall also be responsible for any damages prior to inspection and acceptance by the Construction Manager, Engineers and Owner.
23. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
24. Add Alternates – 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 – Provide a \$40,000 allowance for removal and replacement of ceiling tiles and drywall cutting, patching and repairing in the 1996 portion of the building for rework associated with controls system upgrades. 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.

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 09B – Resilient Flooring

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Resilient Flooring</u> TRADE CONTRACT NO.: <u>09B</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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.
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(\$ _____)
(USE FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
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_____ DOLLARS AND _____ CENTS.
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(\$ _____)
(USE FIGURES)

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FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

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

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 |
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Business | (08)___Disadvantaged Woman-Owned
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Business | (09)___Other |
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DEFINITIONS

- (01) **SMALL BUSINESS:** A business concern that is organized for profit, is independently owned and operated, is not dominant in the field of operations in which it is bidding, and meets the size standards as prescribed in the Code of Federal Regulations, Title 13, Part 121. Consult your local or district Small Business Administration (SBA) office if further clarification is needed.
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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.

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

UNIT PRICES

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

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

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

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

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – 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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 09B – RESILIENT FLOORING

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

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

Unit 09B – Resilient Flooring

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

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

Resilient Flooring as specified in Contract Documents.

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

1. Scope of Work – It is the intent that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. This Subcontractor shall furnish and install all carpet, sheet, and resilient flooring, and rubber base as required by the Contract Documents. This Subcontractor shall furnish and install all necessary materials for a comprehensive installation in strict compliance with the Contract Documents.
2. General – This Subcontractor shall provide all labor, material, layout and accessories necessary to furnish and install all resilient flooring, resilient base & accessories, tile carpeting, and sheet flooring per the Contract Documents.
3. Mockup – This Subcontractor has included for any and all necessary mockups as required in the Contract Documents including any extra material, adhesives, accessories, bases, labor, and removal thereof.
4. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
5. Floor Protection – This Subcontractor shall provide Ram Board, or equal as agreed to by the Construction Manager, and carpet protection film as directed by the Contractor to protect all work installed under this Subcontract until material completion. All seams will be taped, and the selected protection board will be compatible with the flooring systems installed. This Subcontractor will removal all temp flooring protection as directed by the Construction Manager, and has included a final floor cleaning, in accordance with the manufacturer’s instructions, once the flooring protection has been removed.
5. Floor Preparation – This Subcontract shall be responsible for all leveling and any other surface preparation

necessary, including crack isolation treatments, to install flooring materials per the Contract Documents and manufacturer's instructions. This Subcontractor shall be responsible for field-verifying all existing conditions 2 weeks prior to starting any given area related to this Scope of Work. Commencement of your work shall be considered acceptance of substrate and any other existing conditions.

6. Patterns & Joint Alignment – This Subcontractor shall provide, install, and follow the patterns and joint alignments described in the Contract Documents. Any deviations from the specified patterns must be approved by both the Architect and the Contractor in writing prior to installation.
7. Testing – This Subcontractor shall be responsible for performing all testing for this Scope of Work per the Contract Documents, including but not limited to moisture and bond tests. Any tests that result in failure or non-compliance with the Contract Documents or manufacturer's specific instructions shall be re-tested at this Subcontractor's expense.
8. Moisture Content – This Subcontractor has included a floor primer, spray lock adhesive, or floor preparation to account for any concrete moisture content that exceeds the manufacturer's allowable tolerances for each type of flooring, based on this Subcontractor's moisture test reports.
9. Expansion Joints & Covers – This Subcontractor will provide and install all expansion joints, covers, adhesives, concealed fasteners, fasteners, accessories, fillers, etc. for all flooring systems as noted in the Contract Documents.
10. Coordination – This Subcontractor shall coordinate with all other trades on site for penetrations through work installed under this Subcontract to ensure a neat and flush finish.
11. Sheet & Resilient Flooring - This Subcontractor shall provide the following in accordance with the Contract Documents:
 - Resilient base
 - Resilient stair accessories and treads
 - Resilient sheet and tile flooring
 - Resilient sheets
 - Reducer strips
 - Transition strips
 - Integral cove base
 - Molding and accessories
 - Joint heat or filler welding
 - Adhesives
 - Leveling compound
 - All bases
 - Joiners
 - Joint sealant
 - Sealer
 - Any other accessories required to provide a turnkey resilient base & flooring installation
12. Carpeting – This Subcontractor shall provide the following in accordance with the Contract Documents:
 - Tile carpeting
 - Sheet carpeting
 - Leveling compound
 - Adhesives
 - Metal edge strips
 - Transition strips
 - Any other accessories required to provide a turnkey tile & sheet carpeting installation
13. Joint Sealants – This Subcontractor shall be responsible for all caulking between this Scope of Work and adjacent work as detailed on the Contract Documents, including but not limited to expansion and control joints,

access panels, clean-outs, and electrical outlets and switches.

14. Final Cleaning – This Subcontractor shall provide cleaning of all surfaces installed under this Subcontract time immediately after proper curing, as directed by the Contractor. This Subcontractor has included an additional cleaning after removal of temp flooring protection as noted above.
15. Traffic Control – This Subcontractor will provide a flagmen with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
16. Attic Stock & Misc. Repairs – This Subcontractor has included all attic stock, as required in the Contract Documents. This Subcontractor has also included for a reasonable amount of repairs and replacement of flooring due to damage by others. This includes any necessary materials, not from attic stock, adhesives, trim, labor, etc. necessary to remove and replace or repair a damaged area.
17. Repair Allowance – Notwithstanding the Misc. Repairs noted above, this Subcontractor has included an additional \$15,000 allowance for flooring repairs. This allowance will be used as directed by the Construction Manager in writing, and any unused portion thereof shall be returned to the Construction Manager at their discretion.
18. Schedule / Weather – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.
19. Add Alternates – 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.
 - 19.1. Alternate #4 – Provide deduct for LVT and Rubber Base in Level 1 corridors which will be changed to Epoxy Terrazo.

END OF SPECIFIC SCOPE

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

Subcontract 09C – Tile & Terrazzo

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>February 28, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Tile & Terrazzo</u> TRADE CONTRACT NO.: <u>09C</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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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.

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

UNIT PRICES

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

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

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

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

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – 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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 09C – TILE & TERRAZZO

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 09C – Tile & Terrazzo

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:

Tile & Terrazzo as specified in Contract Documents.

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

1. **Scope of Work** – It is the intent that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein. This Subcontractor shall furnish and install all ceramic tile and base as required by the Contract Documents. This Subcontractor shall furnish and install all necessary materials for a comprehensive installation in strict compliance with the Contract Documents.
2. **General** – This Subcontractor shall provide all labor, material, layout and accessories necessary to furnish and install all ceramic tile and base per the Contract Documents.
3. **Mockup** – This Subcontractor has included for any and all necessary mockups as required in the Contract Documents including any extra material, adhesives, accessories, bases, labor, and removal thereof.
4. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
5. **Floor Protection** – This Subcontractor shall provide Ram Board, or equal as agreed to by the Construction Manager, to protect all work installed under this Subcontract until material completion. All seams will be taped, and the selected protection board will be compatible with the flooring systems installed. This Subcontractor will remove all temp flooring protection as directed by the Construction Manager, and has included a final floor cleaning, in accordance with the manufacturer’s instructions once the flooring protection has been removed.
5. **Floor Preparation** – This Subcontract shall be responsible for all leveling and any other surface preparation necessary, including crack isolation treatments, to install flooring materials per the Contract Documents and

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

manufacturer's instructions. This Subcontractor shall be responsible for field-verifying all existing conditions 2 weeks prior to starting any given area related to this Scope of Work. Commencement of your work shall be considered acceptance of substrate and any other existing conditions.

6. Patterns & Joint Alignment – This Subcontractor shall provide, install, and follow the patterns and joint alignments described in the Contract Documents. Any deviations from the specified patterns must be approved by both the Architect and the Contractor in writing prior to installation.
7. Testing – This Subcontractor shall be responsible for performing all testing for this Scope of Work per the Contract Documents, including but not limited to moisture and bond tests. Any tests that result in failure or non-compliance with the Contract Documents or manufacturer's specific instructions shall be re-tested at this Subcontractor's expense.
8. Moisture Content – This Subcontractor has included a floor primer, spray lock adhesive, or floor preparation to account for any concrete moisture content that exceeds the manufacturer's allowable tolerances for each type of flooring, based on this Subcontractor's moisture test reports.
9. Expansion Joints & Covers – This Subcontractor will provide and install all expansion joints, covers, adhesives, concealed fasteners, fasteners, accessories, fillers, etc. for all flooring systems as noted in the Contract Documents.
10. Coordination – This Subcontractor shall coordinate with all other trades on site for penetrations through work installed under this Subcontract to ensure a neat and flush finish.
11. Terrazzo – This Subcontractor has included the installation of terrazzo in the elevator. This includes all terrazzo, sanding, grinding, polishing, transitions, thresholds, accessories, cleaning, etc. necessary for a complete turn key installation.
12. Tiling – This Subcontractor shall provide the following in accordance with the Contract Documents:
 - Tile (walls and floors)
 - Thresholds
 - Grout
 - Grout sealer
 - Leveling compound
 - Metal edge strips
 - Crack isolation membranes
 - Waterproofing, and waterproofing membranes
 - Transition strips
 - Any other accessories required to provide a turnkey tile installation
13. Joint Sealants – This Subcontractor shall be responsible for all caulking between this Scope of Work and adjacent work as detailed on the Contract Documents, including but not limited to expansion and control joints, access panels, clean-outs, and electrical outlets and switches.
14. Final Cleaning – This Subcontractor shall provide cleaning of all surfaces installed under this Subcontract time immediately after proper curing, as directed by the Contractor. This Subcontractor has included an additional cleaning after removal of temp flooring protection as noted above.
15. Traffic Control – This Subcontractor will provide a flagmen with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.

16. Attic Stock & Misc. Repairs – This Subcontractor has included all attic stock, as required in the Contract Documents. This Subcontractor has also included for a reasonable amount of repairs and replacement of flooring due to damage by others. This includes any necessary materials, not from attic stock, grout, thinset, trim, labor, etc. necessary to remove and replace or repair a damaged area.
17. Repair Allowance – Notwithstanding the Misc. Repairs noted above, this Subcontractor has included an additional \$5,000 allowance for flooring repairs. This allowance will be used as directed by the Construction Manager in writing, and any unused portion thereof shall be returned to the Construction Manager at their discretion.
18. Schedule / Weather – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.
19. Add Alternates – 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. Alternate #4 – Subcontractor shall provide add alternate to include epoxy terrazzo flooring and base at corridor at Level 1.

END OF SPECIFIC SCOPE

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

Subcontract 09D – Painting

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: <u>CCK-2689-22</u> BID OPENING DATES: <u>February 28, 2023</u> TRADE CONTRACT DESCRIPTION: <u>Painting</u> TRADE CONTRACT NO.: <u>09D</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

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

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

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

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

PRIMARY LIST OF PROPOSED SUBCONTRACTORS

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

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

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

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

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

DIVISION OF WORK	NAME AND ADDRESS OF SUBCONTRACTOR

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 09D – PAINTING

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 09D – Painting

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

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

Painting as specified in Contract Documents.

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

1. **General** – This Subcontractor shall furnish and apply all interior paints and coatings including but not limited to drywall, concrete, CMU, doors & frames, structural steel, miscellaneous metals, metal decking, piping, conduit, ductwork, and any other surface scheduled to be painted on the Contract Documents. This Subcontractor shall also be responsible for all caulking including, but not limited to, all door frames, mill work, labs, interior stone and trim, interior storefront, and all dissimilar materials.
2. **Environmental Conditions** – Prior to commencement of this work and throughout installation, this Subcontractor shall be responsible for verifying that air & surface temperature, moisture, & humidity conditions are suitable for installation of this work. This Subcontractor shall notify WT immediately if these conditions do not meet the requirements for installation set forth in the Contract Documents or the paint manufacturer’s requirements. Proceeding with work is deemed acceptance of the environment.
3. **Storage** – This Subcontractor shall be responsible for unloading & storage of all materials until ready for installation. This Subcontractor shall be responsible for providing adequate fire protection (i.e. fire extinguishers) for all materials stored on-site.
4. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
5. **Mock-ups/Benchmark Samples** – This Subcontractor shall be responsible for providing a full-coat benchmark finish sample of each type of coating and substrate required for the project. Benchmarks will be the standard upon which all other work will be judged for compliance with the Contract Documents. In the event that benchmarks do not meet the design standard in the Contract Documents as determined by the Contractor, Architect, or Owner, this Subcontractor is responsible for all corrective measures to achieve an acceptable benchmark. This Subcontractor has also included the painting of the casework mockup walls, and any necessary initial mobilizations to complete this work.
6. **Mechanical & Electrical Work** – This Subcontractor shall be responsible for painting mechanical and electrical items scheduled to be field-painted in the Contract.

7. Sprinkler Piping – This Subcontractor shall be responsible for painting all exposed piping and equipment scheduled to be field-painted in the Contract Documents.
8. Sealed Concrete – This Subcontractor shall be responsible for sealing all exposed concrete floors indicated on the Contract Documents to receive sealed concrete finish.
9. This subcontractor shall repaint steel structure on roof as shown on drawing AD-7.1a.
10. Finish Caulking – This Subcontractor is responsible for all finish caulking inside the building. This includes, but is not limited to, all bases, interior store front, door jambs & headers, window frames, joints, dissimilar materials, CMU, vivarium, UL listings, door rating tags, etc. as shown or indicated on the Contract Drawings. With regards to vivarium caulking, this Subcontractor has included caulking of all devices, outlets, cover plates, escussion rings, light fixtures, casework, door frames, base, diffusers, etc. for a complete system.
11. Surface Compatibility – This Subcontractor shall be responsible for ensuring that all materials used are compatible with the surface to which they are applied in accordance with the manufacturer’s recommendations. This Subcontractor shall notify WT immediately if any discrepancies exist. In addition, this Subcontractor agrees not to paint over UL or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.
12. Ceiling Preparations – This Subcontractor has included an initial top band paint coat at ceiling elevation to allow drywall Subcontractor to begin ceiling grid installations prior to prime coat of paint and or as directed by the Construction Manager.
13. Protection – This Subcontractor shall take any required measures to protect all work in place during the installation of this work. This Subcontractor shall be responsible for protecting other surfaces from paint, splatter, overspray, and any other possible damage. This Subcontractor shall be responsible for any and all remedial work to damage that is a result of improper surface protection. This includes but is not limited to sprinkler heads, curtain wall, glass, all floorings, etc.
14. Coordination – This Subcontractor shall coordinate with the Drywall Contractor related to patching and preparation for finishes. This Subcontractor shall not proceed with final coats of paint until the Drywall Contractor has completed the touch-up of any imperfections in their work. This Subcontractor shall survey all existing conditions prior to commencement of work in a given area and report to WT any discrepancies or deviations in the work of other subcontractors which detrimentally affect this work. Commencement of work in a given area of the project, without notifying WT of such discrepancies or deviations, constitutes acceptance of the existing conditions, and obligates this Subcontractor to bear the cost to correct any deficiencies found in that area. Notification of discrepancies shall be reported to WT in writing in sufficient time so that corrective action can be taken without impacting the project schedule.
15. Sequencing – This Subcontractor agrees to attend a preconstruction meeting with the drywall contractor to review the procedures for the finishing, priming, pointing, and final painting work. The following procedure will be used:
 - a. Drywall Subcontractor will complete final sanding of drywall.
 - b. Painter to apply the prime coat.
 - c. Whiting-Turner, drywall, & painting Subcontractors to walk entire area and review drywall quality. Imperfections will be identified by circling with pencil.
 - d. Drywall Subcontractor will repair all circled imperfections.
 - e. Painter will proceed with application of first coat.
 - f. Items c and d will be repeated, correcting any remaining imperfections.
 - g. Balance of work completed, i.e. millwork, flooring, hardware, etc.
 - h. Painter will complete final coat(s).
16. Touch-Up – This Subcontractor shall provide an allowance of 240 man-hours, inclusive of materials and tools, to be used at the sole discretion of the Construction Manager for touch-up work on the project. Any unspent portion

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

of this allowance will 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 as spelled out in this Subcontract. This allowance cannot be spent without written authorization from the Construction Manager. Any unspent portion of this allowance will be returned to the Construction Manager at the end of the project via a subcontract change order to this Subcontractor.

17. Disposal – This Subcontractor will only dispose of empty, dry, paint cans in the jobsite dumpsters. All other unused materials will be properly disposed of, off site, by this Subcontractor.
18. Traffic Control – This Subcontractor will provide a flagmen with stop signs and appropriate training to assist and manage traffic flow, for haul trucks to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
19. Schedule / Weather – This Subcontractor shall make all provisions for an accelerated construction schedule. Contract extensions will not be considered for abnormal weather conditions. As a Team we must anticipate and do everything reasonable and prudent to get over, through and/or around the obstacles that beset every construction project.
20. Add Alternates – 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.

END OF SPECIFIC SCOPE

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

Subcontract 10A – Div 10 & Accessories

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Div 10 & Accessories</u> TRADE CONTRACT NO.: <u>10A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
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.

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 10A – Div 10 & Accessories

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

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

Unit 10A – Div 10 & Accessories

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

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

Div 10 & Accessories as specified in contract documents

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

1. Scope of Work – It is the intent for this project that the Div 10 & Accessories Subcontractor to supply all materials as scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% supervision, labor, material, equipment, tools, appliances, warranties and guarantees, and everything necessary to completely detail, fabricate, tag, deliver F.O.B. jobsite, furnish and install all of the required toilet partitions, crash rails, bath accessories, metal lockers, visual display units, wall guards, door guards, corner guards, appliances, fire extinguishers, and fire extinguisher cabinets in full compliance with the Contract Documents.
2. Delivery – All deliveries must be coordinated with the Construction Manager. This Subcontractor shall have a representative on site for receiving and logging all toilet compartments & bath accessories as they are delivered.
3. Accessories – This Subcontractor will provide and install all soap, paper towel, sanitary napkins, toilet paper dispensers, utility mop & broom holders, wall mounted coat hooks, hand dryers, restroom grab bars, appliances, FEC, fire extinguishers, visual display units, crash rails, lockers, etc. as depicted in the contract documents. This Subcontractor will also provide all framed mirrors as shown on the Contract Documents.
4. Toilet Partitions & Accessories – This Subcontractor will provide and install all toilet partitions and toilet accessories as indicated in the Contract Documents. This includes, but is not limited to, all accessories, layout, fasteners, touchup, doors, panels, top rails, bracing, hooks, brackets, latches, toilet roll dispenser, paper towel dispenser, waste receptacles, soap dispensers, grab bars, vendor, sanitary napkin disposal units, shelves, coat hooks, mirrors, show curtain accessories, under lavatory guards, childcare accessories, recycling station, etc. necessary to provide a complete turnkey installed system per the Contract Documents.
5. Wall & Door Protection – This Subcontractor will provide and install all wall, corner & door protection as indicated in the Contract Documents. This includes, but is not limited to, all accessories, layout, fasteners, attachments, accessories, etc. in order to provide a complete turnkey installed system per the Contract Documents.
6. Fire Extinguishers & Cabinets – This Subcontractor will provide and install all fire extinguishers & cabinets as indicated in the Contract Documents. This includes, but is not limited to, all accessories, layout, fasteners, back boxes, wall brackets, fire extinguishers, certifications, charging of fire extinguishers, etc. necessary to provide a complete turnkey installed system per the Contract Documents.

7. Cubicle Curtains & Track – This Subcontractor will provide and install all curtains and track shown or indicated in the Contract Documents, including all accessories, fasteners, clips, shims, etc. necessary for a complete installation.
8. AED Devices & Cabinets – This Subcontractor will provide and install all Automated External Defibrillators as indicated in the Contract Documents.
9. Appliances & Audio-Visual Equipment – This Subcontractor will provide and install all appliances and AV equipment as indicated in the Contract Documents. This includes all accessories or attachments indicated in the Specifications.
10. Fabrication – The Subcontractor shall immediately commence with the preparation of all items to be submitted and approved as required by the Construction Documents.
11. Coordination – This Subcontractor shall provide coordination with all Subcontractors related to this scope of work including, but not limited to the following Subcontractor: electrical, plumbing, security, masonry, drywall, ceramic tile and painting. This Subcontractor will provide drawings showing layout, rough & finished openings, etc. to the appropriate Subcontractor, prior to commencement of that Subcontractors work. Any required changes or modifications due to lack of coordination will be at this Subcontractors expense.
12. Field Measurements – It shall be the responsibility of this Subcontractor to field verify all installation locations for the material in this scope of work. Components that cannot be field verified shall be capable of being adjusted during installation.
13. Blocking – This Subcontractor will provide blocking drawings, complete with top & bottom elevations and wall layout dimensions, which are pertinent to this work, to the Construction Manager in advance of the framing installation. In-wall blocking will be installed by others. Any blocking that is missed as a result of this Subcontractor’s incomplete or undelivered blocking drawings will be the sole responsibility of this Subcontractor.
14. Codes & Ordinances – This Subcontractor shall comply with all current codes and ordinances including ADA as they relate to this scope of work.
15. Quality – This Subcontractor is responsible to install all materials to be plumb and level and securely attached and filled upon completion. No materials shall have visible chips, cracks, voids, stains, or other defects.
16. Caulking – Any caulking between items installed by this Subcontractor and adjacent surfaces is the responsibility of this Subcontractor.
17. Add Alternates – 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.

END OF SPECIFIC SCOPE

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

Subcontract 14A – Elevator

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>ELEVATOR</u> TRADE CONTRACT NO.: <u>14A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

1. That I am the Bidder (if the Bidder is an individual), a partner in the Bidder (if the Bidder is a partnership), or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2689-23 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
5. This offer is good for 90 calendar days from the date this Bid is opened. In submitting the above, it is expressly agreed that upon proper acceptance by the Capital Construction Procurement Section of any or all items Bid above, a contract shall thereby be created with respect to the items accepted;
6. That I have fully informed myself regarding and affirm the accuracy of all statements made in this Form of Proposal including Bid Amount.
7. Unless otherwise exempted by KRS 45.590, the Bidder intends to comply in full with all requirements of the Kentucky Civil Rights Act and to submit data required by the Kentucky Equal Employment Act upon being designated the successful contractor.
8. That the bidding contractor and all Subcontractors to be employed do not and will not maintain any facilities they provide for employees in a segregated manner and they are in full compliance with provisions of 41 CFR 60-1.8 that prohibits the maintaining of segregated facilities.
9. In accordance with KRS45A.110(2), the undersigned hereby swears under penalty of perjury that he/she has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky and that the award of a contract to the bidder will not violate any provision of the campaign finance laws of the Commonwealth of Kentucky.

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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.

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 14A – ELEVATOR

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

Unit 14A – Elevator

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

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

Elevator Modifications as specified in Contract Documents

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

1. Scope of Work – It is the intent for this project is that this Subcontractor performs all works scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
3. Elevator Modifications – This Subcontractor shall be responsible for providing all existing elevator modifications as indicated in the Contract Documents, including, but not limited to, all cab upgrades, rails, doors, hoist way upgrades, entrance assemblies, door opening devices, and motor upgrades. The terrazzo flooring will be installed by others. All other upgrades will be turnkey by this Subcontractor.
4. This subcontractor shall demolish existing elevator cab, walls, ceiling and floor finishes to accommodate elevator fit-up scope. This subcontractor shall demolish existing hoistway doors, frames, sills as required to accommodate new door frame and sill assembly.
5. This Subcontractor shall include all car finishes as required by the Contract Documents.
6. This Subcontractor shall review all Contract Documents regarding elevators for compatibility and elevator codes and submit, in writing, any discrepancies and/or clarifications to this scope prior to the bid submission.

7. Subcontractor shall comply with most stringent applicable provision of all codes, laws, regulatory agencies, and/or authorities to include but not limited to all revisions and changes in effect per Contract Documents.
8. This Subcontractor shall coordinate all work with the electrical, fire protection, masonry, mechanical, plumbing, security, telecom, and controls Subcontractors on site for integration of Elevator systems.
9. This Subcontractor shall be responsible for obtaining the necessary licenses and inspections to put the elevators in service for both temporary (including scheduling inspections and drop tests during temporary usage) and final use. Inspections for the elevators shall be provided by this Subcontractor. This Subcontractor shall advise The Construction Manager in advance of dates and times tests are performed on elevators. Provide all necessary signage required to obtain final inspection approval for the elevators. Provide WT with copies of all inspections/acceptance certificates and operating permits as required by governing authorities to allow normal, unrestricted use of elevators, as well as any temporary use permits necessary.
10. This Subcontractor shall cooperate and coordinate with flooring material Subcontractor to ensure proper depth to accommodate level finish with door tracks, doorsills, and installation in cabs.
11. This Subcontractor shall provide firestops or firesafing at penetrations or sleeves required by this scope of work.
12. Furnish fire rated and/or non-fire rated access panels that are not shown on the Contract Documents that are required to access elevator equipment for maintenance and adjustment. Coordinate locations (provide detailed, fully dimensioned drawings, identifying elevations) for installation by others.
13. This Subcontractor shall furnish and install Elevator sills and sill support angles.
14. This Subcontractor shall furnish and install all sleeves and steel angle guards on and around all duct and cable slots through slabs or grating.
15. This Subcontractor shall provide forty (40hrs) of premium time for Elevator operator to operate elevator for other trades (i.e. fireproofing) to complete work in shaft from platform as necessary on off-hours. This is to be used only at the direction of The Construction Manager. Any remaining balance left will be returned to the owner.
16. This Subcontractor shall furnish and install two (2) sets of pads for each elevator. Provide three-piece removable pads. Two pads covering side walls and adjacent front returns and one covering rear wall. Provide cutouts to access main cab operating panel.
17. All Elevator materials, performance, ride quality, operation, equipment, and any additional requirements shall be per the Contract Documents. All manufacturer standard components shall be used, unless otherwise indicated in the Contract Documents to furnish and install a complete system.
18. This Subcontractor shall furnish and install all user interface, including but not limited to in-car control panels, hall stations, signals and indicators.
19. This Subcontractor shall provide conduit and wiring for fire alarm, security, two-way communication and remote monitoring from elevators to elevator control rooms. This Subcontractor shall be responsible for all wiring between elevators, elevator equipment and machinery. All conductors / raceways shall comply with respective specification within the Contract Documents.

20. Furnish and install all elevator equipment as specified, shown and/or required, including but not limited to controllers, noise and vibration control, accessories, incidentals, cables, wiring, telephone wiring, steel, weights, counterweights, sheaves, guard rails, counterweight guards / safety, terminal stopping, hoist/governing ropes, buffers, traveling cables, and any and all other items necessary for a complete operational system.
21. This Subcontractor shall provide custom programming of elevator operations to comply with the operations as outlined in the specifications. Included in the shops drawings shall be the sequence of operations for the Elevators in the event of power failure and emergency power usage. Sequence of operations is subject to change at no additional cost, until submittals have been approved.
22. This Subcontractor shall provide the emergency phone for the elevator including the engraving per the UK standards.
23. This Subcontractor shall clean pits, tops of cabs, and hoistways prior to owner and A/E inspection and/or prior to turning the Elevators over for temporary use and to the owner.
24. This Subcontractor shall furnish and install all keys and key cores associated with the Elevators and controls to match existing key / cores currently throughout the UK Campus.
25. Subcontractor shall complete all defects, poor workmanship, adjustments, variances / noncompliance requirements to the satisfactory of the owner at no cost to The Construction Manager or Owner. Once all deficiencies are completed a follow up assessment shall then occur.
26. This Subcontractor shall provide warranties per the Contract Documents. Warranty for the elevators shall commence at Substantial Completion of the overall project, not of Elevator completion.
27. Subcontractor shall extend the warranty period for any Elevator equipment related failures per Contract Documents.
28. This Subcontractor shall provide all wiring diagrams, written information, supplemental data, diagnostic tools, as-built drawings, operational and maintenance manuals, and any additional information necessary for proper maintenance and adjustments of the elevators within thirty (30) days of final acceptance per Contract Documents.
29. This Subcontractor shall provide all Elevator certification prior to Substantial Completion. Subcontractor shall furnish all required diagnostic tools at the end of the contract. Equipment Design is to be “Non-Proprietary Type”. Systems that require periodic entry of codes, etc. due to elapsed time or accumulated faults, calls, etc are not acceptable.
30. This Subcontractor shall include a final acceptance of the elevator operation with owner’s personnel present and A/E, prior to substantial completion to verify that control systems and operating devices are functioning properly.
31. This Subcontractor shall provide all necessary equipment and competent personnel for all inspections including the final acceptance walk through.
32. Add Alternates - This Subcontractor shall review the alternate 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.

END OF SPECIFIC SCOPE

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

Subcontract 21A – Fire Protection

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Fire Protection</u> TRADE CONTRACT NO.: <u>21A</u> TIME: <u>3:00PM</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

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

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – 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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 21A – Fire Suppression

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

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

Unit 21A – Fire Suppression

The work covered under this Contract includes but is not limited to the following specific work items:
This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

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

All specifications as they relate to the Fire Suppression scope of work.

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

1. **Scope of Work** – It is the intent for this project is that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, insurance, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. **Building Information Modeling (BIM)** – Coordination shall be 3-D VDC, based on the Construction Manager BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). This Subcontractor shall be responsible for modeling and coordination of sprinkler mains and standpipe locations. This Subcontractor shall provide floor and wall penetration layout drawings for approval based on coordination drawings. Refer to BIM Implementation Plan for details.
3. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
4. **Engineering** – This Subcontractor shall be responsible for complete engineering and design of the fire protection system to the extent needed for permitting. Verify existing flow data and provide a design based on available flow. Furnish and install all seismic bracing required by local code for this scope of work. Provide complete engineering for seismic systems. Furnish and install vibration isolation for fire protection equipment and piping per Contract Documents for this scope of work. Provide complete engineering for isolation systems.
5. This Subcontractor shall be responsible for all design, material and labor for a fully operational fire suppression system. This shall include both wet and dry sprinkler systems.
6. This Subcontractor shall be responsible for all coring, drilling, cutting or other means to create penetrations where fire protection piping is required to pass through bearing walls, foundation walls, etc.

7. This Subcontractor shall seal all penetrations for this scope of work as required by the Contract Documents.
8. This Subcontractor shall provide and install all labeling for the fire suppression system as required by the Contract Documents and by local AHJ
9. Prior to demolition, this subcontractor shall be responsible for draining, cutting, capping and making safe all fire protection lines that are shown to be demoed so that they can be safely removed by the 02A – demolition subcontractor. **This subcontractor shall remove, salvage, store, protect, prepare and reinstall the existing fire pump, jockey pump and fire protection backflow device.**
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. **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 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 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.
11. This Subcontractor shall be responsible for all fire suppression work as shown on the contract documents. This shall include but not be limited to the following:
 - Coordinate shutdown, draining, cutting and tie-in to existing fire sprinkler line.
 - Install monitored valves, check valves and flow switch.
 - Coordination with other trades for the removal and replacement of Acoustic Ceiling Panels through the building for main installation.
 - Cutting or coring walls to accommodate routing of sprinkler main and sealing of penetration.
 - Saw cutting any pathways outside the building needed for new fire line feed.
 - This subcontractor relocate and reinstall existing fire protection equipment including but not limited to the backflow preventor, jockey pump, fire pump, etc.
12. This Subcontractor shall provide and install all sensors and switches required for the fire suppression system to integrate with the fire alarm system. This shall include but not be limited to the following:
 - **Fire pump controller with integral ATS**
 - Flow sensor/flow switch
 - Tamper switch
 - Alarm valves
 - Supervised valves
 - Floor Control Valves
13. This Subcontractor shall provide all components required for the wet & dry sprinkler system including but not limited to the following:
 - Piping, risers and standpipes
 - Sidewall sprinkler for elevator pit
 - Drain and drain valves
 - Remote Test
 - Inspector test connection
 - Check valves
 - Pressure gauges
 - Dry Valve
 - Air Compressor
14. This Subcontractor shall supply all components required for the stairwell standpipes including but not limited to the following:
 - Piping
 - Hose valves

- Hose valve cabinet
15. This Subcontractor shall provide all escutcheons for this scope of work as required by the Contract Documents.
 16. Access Doors – Furnish all access doors required for access to fire protection system. Access doors to be installed by others.
 17. Fire Stopping – Provide fire stopping at all fire protection penetrations in floors, ceilings, and walls.
 18. Subcontractor shall seal all penetrations where fire protection piping penetrates interior or exterior partitions. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer’s recommendations before waterproofing is installed.
 19. 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.
 20. Commissioning – Provide commissioning support including but not limited to the following:
 - Completion of commissioning documentation
 - Attendance in commissioning meetings when directed by The Construction Manager
 - Onsite support during functional testing
 - Onsite support to resolve any commissioning issues with installed work
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
 21. Site Conditions – All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
 22. Add Alternates – 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.

END OF SPECIFIC SCOPE

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

Subcontract 23A – Plumbing, HVAC & TAB

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Plumbing, HVAC & TAB</u> TRADE CONTRACT NO.: <u>23A</u> TIME: <u>3:00PM</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
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.

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

**UNIVERSITY OF KENTUCKY – 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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 23A – Plumbing, HVAC & TAB

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 23A – Plumbing, HVAC & TAB

The work covered under this Contract includes but is not limited to the following specific work items:
This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

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

All specifications as they relate to Plumbing, Mechanical, HVAC, & Testing and Balancing

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

1. **Scope of Work** – It is the intent for this project that this Subcontractor perform all work scoped herein and as specified in the Project Manual and Contract Drawings. This subcontract includes the Mechanical, Plumbing, and Testing and Balancing of all systems for the Sanders-Brown project, including engineering, testing and modifications required to existing active systems.
2. **Building Information Modeling (BIM)** – Coordination shall be 3-D VDC, based on the Construction Manager BIM Implementation Plan. Lay out work using 3-D surveying technology (Trimble or other). 23A shall be responsible for performing clash detection for the entire coordination model and issuing report for all other subcontractors participating in coordination to resolve clashes. 23A is responsible for drawing out all access zones for FCU, VAVs, pumps, valves, and other critical equipment. Refer to BIM Implementation Plan for details.
This subcontractor shall perform a point cloud of Levels 1-3 of the 1979 portion of the building after demo is mostly completed so that it can better inform the BIM Coordination regarding existing conditions.
3. **PlanGrid License** – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
4. **Demolition** – This subcontractor shall make-safe, cut and cap all plumbing piping, hydronic piping and ductwork shown to be demoed prior to removal by the selective demolition contractor.
5. **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.

6. Controls - This subcontractor shall be responsible for the installation of specific control's devices that are integral to this scope of work. This subcontractor shall install the following: Venturi Air Valves, wells for sensors, control valves, control dampers, meters, etc. **This shall include installing control valves on existing systems as shown on IC4.0.**
7. This subcontractor shall install sleeves at all floor penetrations. Layout to be coordinated with wall layout.
8. Provide cutting and patching, saw cutting and core drilling for any penetrations required for this scope of work. No core drilling will take place without the Structural Engineer's written approval.
9. Access Doors – Furnish all access doors required for access to plumbing and HVAC systems. This shall be required whenever access is needed but component is in an inaccessible location (within a drywall wall, above a drywall ceiling, withing a CMU wall, etc. Access panels will be installed by the drywall or CMU contractor.
10. Fire Stopping – Provide fire stopping at all plumbing and HVAC penetrations through UL assemblies. This shall include fire stopping required when a new wall is built and existing piping or existing ductwork penetrates the new wall.
11. Caulking and Sealing – Provide caulking for all piping installed in this subcontract. This Subcontractor shall seal all penetrations where HVAC piping, ductwork and equipment penetrates interior or exterior partitions. Ensure that all penetrations through exterior walls to receive waterproofing have been properly sealed according to the requirements of the Contract Documents and manufacturer's recommendations before waterproofing is installed. This shall include sealing required when a new wall is built, and existing piping or existing ductwork penetrates the new wall.
12. Extended warranties - Provide extended warranties for period of temporary use of equipment during construction. Provide maintenance of all equipment used during the temporary power and heating periods according to manufacturer's recommendations. Maintain a log of all maintenance performed through the temporary construction period until substantial completion. Submit a sample log to The Construction Manager for approval before the start of temporary use.
13. Labeling - Furnish and install labels and signage which meet contract documents along with the governing code for plumbing, HVAC, Mechanical and Controls Systems.
14. Insulation - Furnish and install all insulation and jacketing required by specification, drawings and governing energy codes for this scope of work. This subcontractor shall also include valve handle extensions for these valves as needed to provide proper operation once insulated.

PLUMBING

15. This subcontractor shall provide and install all plumbing piping, valves, fittings, insulation, fixtures, accessories, etc. to complete a fully turnkey plumbing system. This shall include but not be limited to the following:
 - Domestic Cold Water including salvaged backflow preventers at water service entrance
 - Sanitary Drain and Vent Piping, cleanouts
 - Roof Drains, Roof Leader Piping, Downspout Nozzles
 - Floor Drains
 - Trap primer system and piping
 - Wall hydrants/hose bibs
 - Water closets, urinals, lavatories, sinks, mop basin, ice maker supply box
 - Electric Water Cooler
 - Lab Water Recirculation Pump
 - Lab DI Water
 - Lab/Acid Waste

- New steam to hot water heaters
16. This subcontractor shall coordinate penetrations through roof with the roofing subcontractor and provide curbs/flashing boots as required by the contract documents
 17. Subcontractor shall be responsible for flushing, cleaning and certification of plumbing systems as required by contract documents and codes.
 18. This subcontractor shall plumb and make final connections to owner furnished lab equipment per the matrix on QL060.
 19. This subcontractor shall provide a temporary water connection inside the building include backflow preventor and connect the temporary water service to the restrooms for construction use and provide multiple hose bib connections for water needs during construction. Coordinate with the construction manager for final locations prior to installation.

HVAC

20. This subcontractor shall provide and install all HVAC equipment to include but not be limited to the following:
 - Exhaust Fan
 - VAV Boxes
 - Fan Coil
 - Mini-Split Indoor & Outdoor Unit
 - Variable Frequency Drives (To be installed by 26A)
21. This subcontractor shall provide all supports and hangers for HVAC equipment.
22. This subcontractor shall provide all ductwork, insulation, grilles, registers, diffusers, volume dampers, etc. related to the HVAC system.
23. This subcontractor shall supply and install smoke/fire dampers and coordinate with electrical, fire alarm and controls for required connection to fire/smoke damper.
24. Provide crane, rigging and operator to set new Strobic exhaust fan on roof of Sanders-Brown. This subcontractor shall be responsible for all road lane closures and shall provide a crane plan and lane closure plan to the construction manager prior to commencing work.
25. This subcontractor shall provide filter changes at existing AHUs that will remain in use during construction. This shall include maintaining filter media over the primary filters and four (4) filter changes throughout construction.
26. This subcontractor shall prioritize installation of supply ductwork risers and provide temporary ductwork taps at each floor to provide temporary conditioned air to the construction space on floors 1-3 of the 1979 portion of the building.

MECHANICAL

27. This subcontractor shall provide and install all mechanical piping systems within the building to include but not be limited to the following:
 - Chilled & Hot water hydronic piping.
 - Reheat Coils
 - Split System Refrigerant piping
 - Steam-to-Water Heat exchangers and new heating water pumps.
 - Relocated piping for CRAC units in Room 214 & 220 prior to demolition.
 - Steam piping including flash tank

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

- Condensate Pump and associated piping.
- Main Steam PRV upgrade
- Water Treatment Chemical Feeder
- Provide day tank(s) and fuel piping for day tank and Generator. (Generator and Day Tank provided by 26A)

28. Coordinate any and all shutdowns or tie-in work with The Construction Manager and the Owner's Representative 2 weeks prior to performing this work.

GENERAL

29. Testing – This Subcontractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third-party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and The Construction Manager. Provide multiple testing of installations as required to meet the project schedule. Extent of all testing is to be reviewed with The Construction Manager within one month of contract award to establish limits of testing and methods.

30. Training – Subcontractor shall provide training and demonstrations per contract documents. Include videotaped records of training sessions. Coordinate training with W-T and owner.

31. 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.

32. Commissioning – Provide commissioning support including but not limited to the following:

- Completion of commissioning documentation
- Attendance in commissioning meetings when directed by The Construction Manager
- Onsite support during functional testing
- Onsite support to resolve any commissioning issues with installed work
- Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.

33. Site Conditions – All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. This includes any damage that could result from surface water. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.

34. Add Alternates – 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 control valves associated with DDC controls.
- Add Alternate #2 – Day tank and piping for consolidated generator and day tank.
- Add Alternate #3 – New Lab Vacuum Pump

END OF SPECIFIC SCOPE

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

Subcontract 23B – Building Controls

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 INVITATION TO BID: CCK-2689-23
UNIVERSITY OF KENTUCKY
CAPITAL CONSTRUCTION BID OPENING DATES: March 15th, 2023
PROCUREMENT TRADE CONTRACT DESCRIPTION: _____
RM. 322 SERVICE BUILDING Building Controls
411 SOUTH LIMESTONE TRADE CONTRACT NO.: 23B
LEXINGTON, KY 40506-0005 TIME: 3:00PM EST

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

The Bidder hereby acknowledges receipt of the following Addenda:

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

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

BUSINESS CLASSIFICATION

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

- | | |
|--|--|
| (01)___Small Business | (06)___Woman-Owned Large Business |
| (02)___Large Business | (07)___Disadvantaged Woman-Owned
Small Business |
| (03)___Disadvantaged Small
Business | (08)___Disadvantaged Woman-Owned
Large Business |
| (04)___Disadvantaged Large
Business | (09)___Other |
| (05)___Woman-Owned Small Business | |

DEFINITIONS

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

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

1. Bid Bond or Certified Check in an amount not less than five percent (5%) of total Bid.
2. List of Proposed Subcontractors and Unit Prices. (if required)
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.

**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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 23B – Building Controls

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

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

Unit 23B – Building Controls

The work covered under this Contract includes but is not limited to the following specific work items:
This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

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

All specifications as they relate to the Building Controls.

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

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

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

CONTROLS

12. This subcontractor is responsible to furnish and install a complete operating controls system, including but not limited to conduit, wiring, devices, controllers, panels, workstation, software and programming. Provide controls interconnect and interlock wiring between systems and components. All controls cabling and wiring is to be in conduit. This DOES NOT include any laboratory controls sequences related to Phoenix Controls.
13. This subcontractor shall review provide the scope as outlined in the responsibility matrix shown on IC0.1.
14. This subcontractor shall provide all controls devices and sensors as required for a complete turnkey installation. This shall include but not be limited to the following:
 - Thermostats
 - Temp sensors (intake and discharge air temperature, water temperature, hydronic temperature,)
 - Control valves (steam, chilled water, hot water)
 - Isolation valves
 - Condensate Meters
 - Chilled Water BTU Meter
 - Decoupled valves
 - Pressure sensors (steam, chilled water, hot water)
 - Flow sensors
15. This subcontractor will be required to interface with, monitor and transfer data to UK Tridium system for the following third-party systems to include but not be limited to:
 - Automatic Transfer Switch
 - Power Metering
 - Variable Frequency Drives
 - Steam Condensate Pump
 - Indoor and Outdoor Lighting
 - Ductless Mini-Split Unit
 - Sump Pumps/Duplex Storm and Sewage Ejectors
 - Exhaust Fans
 - Domestic Hot Water Heaters
 - Domestic Water Meter
16. Integration – This subcontractor shall take primary responsibility for integration of all devices as required by the contract documents. This shall include but not be limited to the following:
 - a. For non-BACnet IP devices and equipment this subcontractor shall be responsible for either providing a tier-1 reporting device capable of communication with the device or providing an

- automation gateway to convert the protocol. This subcontractor shall be responsible for all programming, setup, connections and testing for all reporting devices and gateways.
- b. For BACnet IP devices this subcontractor shall be responsible for providing the MAC Address, programming IP addresses, Gateway addresses, instance numbers, etc., providing patch cables at device and confirming device is online and ping-able.
 - c. This subcontractor shall coordinate with UK UEM for pulling-in of all controls points to Tridium and working with UK UEM to confirm that all points naming, facets, point values and states are accurate and make sense as they relate to each system.
17. This subcontractor shall provide occupancy sensors where required by control sequence and not already provided by others. 26A to provide occupancy sensors with auxiliary relays as shown on the lighting drawings. Any location where an occupancy sensor is required by the controls sequence but not required for lighting it shall be provided by this subcontractor. This applies to all sequences. Coordinate with the 26A subcontractor for connections to occupancy sensors that they provide.
 18. Testing & Balancing will be by others. Coordinate with Testing & Balancing contractor including modulating FCU speeds and control valves. Review Testing & Balancing documents and provide comments for coordination.
 19. Test and calibrate all devices and test/tune control loops prior to start of commissioning activities. Replace any devices found to be damaged, malfunctioning, or out of specifications prior to start of commissioning.
 20. All graphics, alarming, and trending is to be by UK through the Tridium system.
 21. Provide weekly updates of point to point check out status.
 22. Testing – This Subcontractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third-party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and The Construction Manager. Provide multiple testing of installations as required to meet the project schedule. Extent of all testing is to be reviewed with The Construction Manager within one month of contract award to establish limits of testing and methods.
 23. Training – Subcontractor shall provide training and demonstrations per contract documents. Include videotaped records of training sessions. Coordinate training with W-T and owner.
 24. Commissioning – Provide commissioning support including but not limited to the following:
 - a. Completion of commissioning documentation
 - b. Attendance in commissioning meetings when directed by The Construction Manager
 - c. Onsite support during functional testing
 - d. Onsite support to resolve any commissioning issues with installed work
 - e. Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
 25. Site Conditions – All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
 26. Add Alternates – This subcontractor shall review all four alternates as listed in specification section 012300 and as shown in the contract documents. This subcontractor shall provide alternate pricing for each alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. Items listed below shall part of this subcontractor’s scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification:
 - a. Add Alternate No. 1: Provide scope shown on IC0.1 noted as Alternate #1. This excludes Lab Controls sequences.

- b. Add Alternate No. 2: Provide controls monitoring for consolidated generator and new ATS.
- c. Add Alternate No. 3: Provide controls monitoring for new Lab Vacuum Pump

END OF SPECIFIC SCOPE

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

Subcontract 23C – Lab Controls

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	INVITATION TO BID: <u>CCK-2689-23</u>
UNIVERSITY OF KENTUCKY	BID OPENING DATES: <u>March 15th, 2023</u>
CAPITAL CONSTRUCTION	TRADE CONTRACT DESCRIPTION: _____
PROCUREMENT	<u>Lab Controls</u>
RM. 322 SERVICE BUILDING	TRADE CONTRACT NO.: <u>23C</u>
411 SOUTH LIMESTONE	TIME: <u>3:00PM EST</u>
LEXINGTON, KY 40506-0005	

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

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ADDENDUM NO. _____	DATED _____
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.)

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I hereby certify:

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2. That the submitted Bid or Bids covering Capital Construction Procurement Section Invitation No. CCK-2689-23 have been arrived at by the Bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other contractor, vendor of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition; as prohibited by provision KRS 45A.325;
3. That the contents of the Bid or Bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the Bid or Bids and will not be communicated to any such person prior to the official opening of the Bid or Bids;
4. That the Bidder is legally entitled to enter into the contracts with the University of Kentucky and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, and 45A.330 to 45A.340 and 45A.455;
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READ CAREFULLY - SIGN IN SPACE BELOW – FAILURE TO SIGN INVALIDATES BID

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

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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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

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FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

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- (03) **DISADVANTAGED SMALL BUSINESS:** A business concern (a) that is at least 51 percent owned by one or more socially and economically disadvantaged individuals (as defined below), or a publicly owned business, having at least 51 percent of its stock owned by one or more socially and economically disadvantaged individuals; and (b) has its management and daily business operations controlled by one or more such individuals. Socially and economically disadvantaged individuals include Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans and other minorities or individuals found to be disadvantaged by the SBA.
- (04) **DISADVANTAGED LARGE BUSINESS:** A concern that meets the definition of socially and economically disadvantaged individuals, but which is not a small business by the SBA's size standards.
- (05) **WOMAN-OWNED SMALL BUSINESS:** A small business that is at least 51 percent owned by a woman or women who also control and operate it. "Control" in this context means exercising the power to make policy decisions. "Operate" means actively involved in the day to day management.
- (06) **WOMAN-OWNED LARGE BUSINESS:** A concern that meets the definition of woman owned and operated, but which is not a small business by the SBA's standards.
- (07) **DISADVANTAGED, WOMAN-OWNED SMALL BUSINESS:** A concern that meets the definition of both (03) and (05) above.
- (08) **DISADVANTAGED, WOMAN OWNED LARGE BUSINESS:** A concern that meets the definition of both (04) and (06) above.
- (09) **OTHER:** A concern that does not meet any of the above definitions.

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

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

(Nine Digit Number)

BIDDER'S QUALIFICATIONS

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

TIME LIMIT FOR EXECUTION OF CONTRACT DOCUMENTS

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

UNIT PRICES

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

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

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

ITEM	UNIT	COST PER UNIT
Journeyman	HR	
Foreman	HR	

**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. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 23C – Lab Controls

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

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

Unit 23C – Lab Controls

The work covered under this Contract includes but is not limited to the following specific work items:
This work shall include all items indicated in **Section A: General Scope of Work**, as such items apply to this work unless specifically noted otherwise herein.

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

All specifications as they relate to the Building Controls.

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

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

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

CONTROLS

12. This subcontractor is responsible to furnish and install a complete operating lab controls system, including but not limited to conduit, wiring, devices, controllers, panels, workstation, software and programming. Provide controls interconnect and interlock wiring between systems and components. All controls cabling and wiring is to be in conduit. This includes all laboratory controls sequences related to Phoenix Controls.
13. This subcontractor shall provide all Venturi Air Valves including all necessary connections for installation on ductwork. Venturi Valves should be delivered to 23A subcontractor for installation.
14. This subcontractor shall review provide the scope as outlined in the responsibility matrix shown on IC0.1.
15. This subcontractor shall provide all controls devices and sensors as required for a complete turnkey installation. This shall include but not be limited to the following:
 - Thermostats
 - Temp sensors
 - Control valves
 - Pressure sensors
 - Flow sensors
16. Integration – This subcontractor shall take primary responsibility for integration of all devices as required by the contract documents. This shall include but not be limited to the following:
 - a. For non-BACnet IP devices and equipment this subcontractor shall be responsible for either providing a tier-1 reporting device capable of communication with the device or providing an automation gateway to convert the protocol. This subcontractor shall be responsible for all programming, setup, connections and testing for all reporting devices and gateways.
 - b. For BACnet IP devices this subcontractor shall be responsible for providing the MAC Address, programming IP addresses, Gateway addresses, instance numbers, etc., providing patch cables at device and confirming device is online and ping-able.
 - c. This subcontractor shall coordinate with UK UEM for pulling-in of all controls points to Tridium and working with UK UEM to confirm that all points naming, facets, point values and states are accurate and make sense as they relate to each system.
17. This subcontractor shall provide occupancy sensors where required by control sequence and not already provided by others. 26A to provide occupancy sensors with auxiliary relays as shown on the lighting drawings. Any location where an occupancy sensor is required by the controls sequence but not required for lighting it shall be provided by this subcontractor. This applies to all sequences. Coordinate with the 26A subcontractor for connections to occupancy sensors that they provide.

18. Testing & Balancing will be by others. Coordinate with Testing & Balancing contractor including modulating Venturi valves and control valves. Review Testing & Balancing documents and provide comments for coordination.
19. Test and calibrate all devices and test/tune control loops prior to start of commissioning activities. Replace any devices found to be damaged, malfunctioning, or out of specifications prior to start of commissioning.
20. All graphics, alarming, and trending is to be by UK through the Tridium system.
21. Provide weekly updates of point to point check out status.
22. Testing – This Subcontractor shall be responsible for all testing of systems installed under this scope of work. Provide factory testing and third-party testing as required. Coordinate all testing and inspections with Authority Having Jurisdiction and The Construction Manager. Provide multiple testing of installations as required to meet the project schedule. Extent of all testing is to be reviewed with The Construction Manager within one month of contract award to establish limits of testing and methods.
23. Training – Subcontractor shall provide training and demonstrations per contract documents. Include videotaped records of training sessions. Coordinate training with W-T and owner.
24. Commissioning – Provide commissioning support including but not limited to the following:
 - a. Completion of commissioning documentation
 - b. Attendance in commissioning meetings when directed by The Construction Manager
 - c. Onsite support during functional testing
 - d. Onsite support to resolve any commissioning issues with installed work
 - e. Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
25. Site Conditions – All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
26. Add Alternates – This subcontractor shall review all four alternates as listed in specification section 012300 and as shown in the contract documents. This subcontractor shall provide alternate pricing for each alternate as applicable for this scope of work. If no applicable work exists, then alternate pricing shall be \$0. Items listed below shall part of this subcontractor’s scope for the add alternates. This list is NOT a comprehensive list and is only intended as additional clarification:
 - a. Add Alternate No. 1: Provide scope shown on IC0.1 noted as Alternate #1. This includes Lab Controls sequences.

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: <u>CCK-2689-23</u> BID OPENING DATES: <u>March 15, 2023</u> TRADE CONTRACT DESCRIPTION: _____ <u>Electrical & Fire Alarm</u> TRADE CONTRACT NO.: <u>26A</u> TIME: <u>3:00 P.M. E.D.T.</u>
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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 _____
ADDENDUM NO. _____	DATED _____

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

FORM OF PROPOSAL

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

I hereby certify:

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

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

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

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

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

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

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

LUMP SUM PROPOSAL

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

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

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

FOR THE LUMP SUM OF _____
(USE WORDS)

_____ 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 FIGURES)

Add Alternate No. 2: Consolidated Generators

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 3: New Lab Vacuum Pump in 1979 Building

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

Add Alternate No. 4: Level 01 Lobby and Corridor Floor Finishes

FOR THE LUMP SUM OF _____
(USE WORDS)

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

(\$ _____)
(USE FIGURES)

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

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.

LIST OF MATERIALS AND EQUIPMENT

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

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

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

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

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

ITEM DESCRIPTION	MANUFACTURER/SUPPLIER

IDENTIFICATION OF MINORITY SUBCONTRACTORS AND MATERIAL SUPPLIERS

Participation of Minority and Women owned Contractors and businesses.

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

1. Minority and Women Subcontractors

2. Minority and Women Material Suppliers

SUPERINTENDENT

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

List the Superintendent's Name

TRADE CONTRACT – 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 complete Contract Documents as they pertain to this Unit of Work.**

1. Scope of Work – It is the intent for this project that this Subcontractor performs all work scoped herein and as specified in the Project Manual and Contract Drawings. This Subcontractor shall furnish 100% of the labor, supervision, materials, tools, equipment, operators, hauling, rigging, temp. shoring, shop drawings, submittals, layout, unloading, scaffolding, ladders, hoisting, transportation, taxes, permits, engineering, support functions, bonds, warranties, guarantees, and any other items or services necessary for and reasonably incidental to safely execute and complete the work scoped herein, whether temporary or permanent, in full compliance with all drawings, specifications, addenda, general conditions, requirements, and other related documents as indicated herein.
2. 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.
3. PlanGrid License – This Subcontractor has included the necessary license(s) to PlanGrid for their office and field staff for field reference and notifications. Please note that drawings posted on PlanGrid do not supersede the Contract Documents and should only be used for reference and notifications. All submittals, RFIs, and installation work should conform to the Contract Documents.
4. Touchplan License – 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.

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

- b. Provide temporary power for laydown area at 141 Leader Ave.
 - c. 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. Primary Electrical Feeds – 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. Buck Hoist Temporary Feed – 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. Temporary Electrical Feed for Rooms 220 (1996 Side of the Building) & 214 (1979 Side of the Building) – 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. Refeed of Room 214 – 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

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

14. Fire Pump Feed – 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. Electrical Panels – 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~~ **day tank by 23A** including all **pipng wiring** and controls between generator and generator day tank. Provide fuel tank alarms and generator remote annunciator including all wiring for a complete system.
17. VFDs – 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. Lighting – 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. Equipment Power – 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

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20. Telecommunication – 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. Grounding – 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. Security Rough-in – 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. Fire Alarm – 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

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30. This Subcontractor shall provide all relays required for fire alarm connections to the elevator.
31. Equipment Pads – 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. Access Doors – Furnish all access doors required for access to electrical & fire alarm system. Access doors to be installed by others.
33. Fire Stopping – Provide fire stopping at all electrical & fire alarm penetrations through rated assemblies.
34. Protection – 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. Electrical Supports – 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. Labeling – 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. Temporary Power – Provide conduit, cable, and panels for temporary power within the building and onsite during construction. Furnish, install and wire power stands at each floor and for site and break area. The intent is to provide a panel and multiple power stands for site, a panel and multiple stands for the break area and a panel and multiple stands for the building. This temporary power shall be fed from the main building transformer and all required equipment, conduit and devices from this point is the responsibility of this Subcontractor. See site logistics plans for details. Romex shall not be used for temporary power. Provide a temporary power submittal with products being used and layout for each area for review by Whiting-Turner.
39. Temporary Lighting – 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 discretion of the construction manager. Provide a temporary lighting submittal with products being used and layout for each area for review by Whiting-Turner.
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.

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41. Commissioning – Provide commissioning support including but not limited to the following:
- Completion of commissioning documentation
 - Attendance in commissioning meetings when directed by The Construction Manager
 - Onsite support during functional testing
 - Onsite support to resolve any commissioning issues with installed work
 - Ladders, lifts, tools and any other equipment required to allow Cx agent to complete their work.
42. Site Conditions – All existing site conditions are to be verified prior to start of construction. Any variances in conditions must be documented prior to construction. If the Construction Manager is not notified in writing, it shall be the responsibility of this Subcontractor to make any corrections or remediation necessary at no additional cost. In addition, this Subcontractor shall protect all existing conditions and surroundings as so not to damage during construction. If any existing items, which are to be left undisturbed, are damaged by this Subcontractor it shall be its responsibility to repair.
43. Traffic Control – This Subcontractor will provide a flagman with stop signs and appropriate training to assist and manage traffic flow, for deliveries to make a safe and secure exit out of the Construction site. This Subcontractor is fully aware that the construction site is within a high traffic campus corridor with continuing operations throughout the construction process. To that end, this Subcontractor will work hand in hand with the Construction Manager to ensure deliveries, manpower, and general construction traffic are conducted in such a manner as to provide a safe and undisturbed environment for the pedestrian and vehicular traffic, which includes but is not limited to: cleanup of all vehicle debris, mud, materials, adjusting haul routes and hours, adjusting exit routes, parking in designated areas, deferring to campus traffic, posting flagmen, etc.
44. Add Alternates – 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~~ day tank by 23A. 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