

STATE OF KANSAS  
CONSTRUCTION PROJECT NO. A-014835Rev

ADDENDUM NO. 2  
September 12, 2024

ISSUED BY:

Department of Administration  
Office of Facilities and Property Management  
Design, Construction & Compliance  
700 SW Harrison St., Suite 1200  
Topeka, Kansas 66603-3929

ISSUED FOR ARCHITECT/ENGINEER

GLMV Architecture (TESSERE)  
1525 E. Douglas Ave  
Wichita, Kansas 67211  
Contact: Scott Smith  
Phone Number: 316-265-9367  
E-Mail: scott.smith@tessere.com

NOTICE ALL BIDDERS FOR THE:

Kansas Bureau of Investigation  
Forensic Laboratory  
Renovation Phase II  
Great Bend, Kansas

You are instructed to read and to note the following described changes, corrections, clarifications, omissions, deletions, additions, approvals and statements pertinent to the Contract Bid and Construction Documents. All official answers or positions of the State of Kansas will be presented in writing, by means of Addendum.

The Addendum No. 2 is a part of the Contract Bid and Construction Documents and shall govern in the performance of the Work.

Article 2-1: Prebid Meeting: (Attachments)

- A. Prebid Meeting Minutes and Attendance Sheet from Tuesday, September 10, 2024, are attached.

Article 2-2: Specification Section 01 3100 – Project Management and Coordination: (Attachment)

- A. Specification Section 01 3100 has been revised. Replace with new.

Article 2-3: Specification Section 01 5000 – Temporary Facilities and Controls: (Attachment)

- A. Specification Section 01 5000 has been revised. Replace with new.

Article 2-4: Specification Section 10 4413 – Fire Protection Cabinets: (Attachment)

- A. Added Specification Section 10 4413 in its entirety.

Article 2-5: Specification Section 10 4416 – Fire Extinguishers: (Attachment)

- A. Added Specification Section 10 4416 in its entirety.

Article 2-6: Sheet G003 – Code Plan – Phase 2: (Attachment)

- A. Sheet G003 has been revised to correct and clarify locations for fire extinguishers and cabinets. Replace with new.

Article 2-7: Questions and Answers:

**Q01:** Laboratory Casework is called to comply with SEFA 8 PL. Please confirm an AWI certification is acceptable.

**A:** AWI certificate is not acceptable. Casework must meet the standards and requirements of SEFA 8 PL.

**Q02:** Note 6 on A101 calls for 20"x18" ventilated lockers under alternate 4. 2 on I-401 scales to be 7'-0" tall. Please clarify intent.

**A:** Note failed to indicate height, only width and depth. Note should read 84" high x 30" wide x 18" deep.

**Q03:** Note 2 on M101-2 states owner is providing 48" and 72" hoods. Nothing is stated concerning the 2 DC-3 units or the 5 SN – Snorkels. Alternate 6 seems as though all this equipment is provided by contractor. Please clarify who is providing the hoods. If contractor provided please clarify whether it is by GC or Mechanical contractor.

**A:** The intent within Alternate 6 is for the General Contractor to provide and install the listed equipment. The associated hoods should be provided and installed by the Mechanical Contractor.

**Q04:** There is no first floor plan for base bid where alt 3 is at. Please provide clarification.

**A:** Refer to Sheet AD101 for walls to be removed if Alternate 3 is accepted. Refer to Sheet A101 for new Partition P1 location between Chemical Storage 110 and Instrument Lab 111. Casework and equipment layout will need to be adjusted if Alternate 3 is not accepted. Bid lab casework within Alternate 6 as if Alternate 3 will be accepted.

**Q05:** Partition Types P1B and P2 call for WWM mesh to be welded. Is screwing that acceptable in lieu of welding?

**A:** Welded connection is the preferred attachment method.

**Q06:** Please confirm that blocking for casework is to be included in base bid. Wall patching to be included as necessary for blocking installation.

**A:** All wall blocking shall be included within the Base Bid of the Project. This includes blocking for potential casework within Alternate 2.

**NOTE:** Any electrical required within casework identified for Alternate 2 shall also be provided within Alternate 2 and not the base bid.

**Q07:** Please provide a spec for the fire extinguisher cabinets.

**A:** Specification Sections 10 4413 and 10 4416 have been added via this Addendum.

**Q08:** 01 5000 3.5 F calls to provide a covered walkway if alternate 2 is selected? Is this correct?

**A:** This is not required, and the Specification is incorrect. This Specification Section has been revised as part of this Addendum.

**Q09:** The plans are not calling out to remove the ceiling in the corridor 106, but we are building a temporary dust partition, are demoing most of one side of the hallway wall. That ceiling won't be able to be saved. Please confirm the intentions with the ceiling in Corridor 106.

**A:** The ceiling in Corridor 106 was installed new within Phase I of this Project. It is desired that the ceiling remains. Ceiling tiles may be removed and stored to accommodate the temporary dust partition. The ceiling grid shall be protected during construction and tiles reinstalled after temporary dust partition has been removed.

**Q10:** On the 2x2WWM that goes on P1B and P2, please confirm BM50, 18g with the BM clips are an acceptable alternative. See link. <https://www.clarkdietrich.com/products/barrier-mesh-security#description>

**A:** Proposed product and insulation are acceptable.

**Q11:** Sheet A101#5 and 6 identify cabinetry/lockers that are to be included in Alternate #2 and #4#2 States new lab casework-----Are these items part of Alternate #2 or to be included in the Base Bid?#3 States new adjustable shelves/brackets-----Same as above?

**A:** All new casework and adjustable shelving shall be included in Alternate 2. (Notes 2 and 3 are just identifying what the items are on the Floor Plan).

**Q12:** Sheet A101 States 12" slab on 8" of AB-3 or Approved Equal with #5 on 8" Centers, T & B.  
What is the Intent:

- The GC should remove 20" of material, install 8" of crushed aggregate with 12" of concrete on top so that slab is level with the existing ground?
- OR remove 8" of dirt install crushed aggregate and pour concrete on top so that slab is out of the ground 12"

**A:** The intent is to provide 4" minimum concrete reveal at pad. So, the highest existing ground elevation in the pad area plus 4" would give you top of pad.

**Q13:** Section 01 3100-4 B. Web-Based Project Management Software Package (Alternate 3). Provide and administer, and use web-based Project Management Software package for purposes of hosting and managing project communications and documentation until Final Completion.

2, Provide up to 8 project management software user licenses for use of Owner, Architect, and Architect's consultants. Provide software training via webinar or video conference for web-based project software users. Are we to add the software costs for this into Alternate #3?

**A:** Specification Section 01 3100 references were incorrect. Specification Section 01 3100 has been revised as part of this Addendum

**Q14:** SECTION 1 5000-1 1.3A Installation, removal, and use charges for field office shall be included in the Contract Sum unless otherwise indicated.....We do not have to supply a temporary field office for this project do we?

**A:** KBI prefers no Field Office be brought on site due to limited area. Specification Section 01 5000 has been revised as part of this Addendum.

**Q15:** SECTION 1 5000-6 3.5F Covered Walkway: If ALTERNATE #2 is selected, erect protective, covered walkway for passage of individuals through work area.....This does NOT pertain to this project either, correct? This unfortunately is an error and was missed being edited from Phase I. This requirement should be removed. This is referring to Alternate #2 from the Phase I project.

**A:** This is not required, and the Specification is incorrect. This Specification Section has been revised as part of this Addendum.

**Q16:** Will you provide clarity on the lab hoods that the mechanical contractor is providing and the specs on those lab hoods.

**A:** Please review Notes pertaining to Equipment and Alternate 6 in the bottom left-hand corner of Sheet A101.

**Q17:** Clarification for the "Spacesaver" lockers. What is drawn in the plans is a custom-built piece and would significantly increase the cost. Are premanufactured lockers acceptable?

**A:** Premanufactured Lockers for Alternates 2 or 4 within Evidence 108 will be acceptable (Re: Keynote 6).

(Note: Custom-built ventilated storage cabinets are required in Evidence Storage 113 as part of Addendum 2.)

\*\*\* RECEIPT OF THIS ADDENDUM IS TO BE ACKNOWLEDGED ON THE FORM OF BID - DOCUMENT C\*\*\*  
DESIGN, CONSTRUCTION & COMPLIANCE

**State of Kansas – Pre-Bid Minutes**

Kansas Department of Transportation

Project Name: Kansas Bureau of Investigation – KBI Forensic Laboratory Renovation – Phase 2

Project Number: A-014835Rev

Tuesday, September 10, 2024, at 11 a.m.

1. Bid Opening Date: **Thursday, September 19, 2024, through Procurement and Contracts.**
2. Award of Contract and Contract Completion: Once the contractor and PO are awarded, an official start date will be determined and a Notice to Proceed issued.
3. Bid Form:
  - a. Base Bid
  - b. Alternates 1-6
4. Substitutions: All requests to approve equivalent products must be submitted to the Architect/Engineer; none accepted after this meeting. All approvals will be released via Addendum.
5. Tax Clearance requirements for general and subcontractors found on the website.
6. Last Addendum will be out the end of the day September 12, 2024, unless bid date is postponed.
7. This Project is not tax exempt. Please be sure to add appropriate taxes as no change orders will be allowed after the Project is awarded, if they are left out.
8. Testing Requirements: Testing Agency and supervision is not part of this Project. GC will coordinate visits as Work is scheduled. State inspector Bill Cunningham shall be notified three days prior to concrete pours.
9. Corrections, Clarifications, and Discussion:
  - a. Phase 1 - Project was completed in 2019-2020. This Phase included the offices and lab south of the corridor in the West Wing (First Floor).
  - b. Phase 2 - Project includes a couple of room renovations in the East Wing, West Wing Corridor, and Lab Spaces north of the Corridor.
  - c. Addendum 2 is currently being developed.
  - d. Project contains six alternates in order to track pricing.
  - e. Questions are to be sent via email to [Scott.Smith@Tessere.com](mailto:Scott.Smith@Tessere.com) by September 11, 2024.
  - f. Taxes: Project is not tax exempt, except General Contractor labor. All materials and sub-contractors' labor are to include tax. Refer to Document E-1 Supplemental General Conditions. All questions shall be addressed to the Department of Revenue (number is listed on document).
  - g. Anyone that works in the building must pass a background check. This includes fingerprints and a significant amount of personal information. Any felony and some misdemeanors will disqualify workers.
  - h. Normal working hours are set from 8 a.m. to 5 p.m. Work after hours and weekends can be arranged, but KBI does not want to make a habit of it.
  - i. The building must be maintained and kept clean, especially the corridor.
  - j. Project target completion date is May 23, 2025.
  - k. ARPA funds will primarily cover the Project's mechanical system. Unit will need to be identified and on order by end of this year. ARPA funds do not need to be spent but must be encumbered by the end of December 2024.

## SECTION 01 3100 - PROJECT MANAGEMENT AND COORDINATION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes administrative provisions for coordinating construction operations on Project, including, but not limited to, the following:
  - 1. General coordination procedures.
  - 2. Coordination drawings.
  - 3. RFIs.
  - 4. Digital project management procedures.
  - 5. Web-based Project management software package.
  - 6. Project meetings.
- B. Related Requirements:
  - 1. Section 01 3200 "Construction Progress Documentation" for preparing and submitting Contractor's construction schedule.
  - 2. Section 01 7300 "Execution" for procedures for coordinating general installation and field-engineering services, including establishment of benchmarks and control points.
  - 3. Section 01 7700 "Closeout Procedures" for coordinating closeout of the Contract.

#### 1.3 DEFINITIONS

- A. RFI: Request for Information. Request from Owner, Architect, or Contractor seeking information required by or clarifications of the Contract Documents.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:
  - 1. Name, address, telephone number, and email address of entity performing subcontract or supplying products.
  - 2. Number and title of related Specification Section(s) covered by subcontract.
  - 3. Drawing number and detail references, as appropriate, covered by subcontract.
- B. Key Personnel Names: Within 7 days of starting construction operations, submit a list of key personnel assignments, including superintendent and other personnel in attendance at Project site. Identify individuals and their duties and responsibilities, list addresses, cellular telephone numbers, and e-mail

addresses. Provide names, addresses, and telephone numbers of individuals assigned as alternates in the absence of individuals assigned to Project.

1. Post copies of list in Project meeting room in web-based Project software directory, and in prominent location in built facility. Keep list current at all times.

## 1.5 GENERAL COORDINATION PROCEDURES

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations included in different Sections that depend on each other for proper installation, connection, and operation.
1. Schedule construction operations in sequence required to obtain the best results, where installation of one part of the Work depends on installation of other components, before or after its own installation.
  2. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
  3. Make adequate provisions to accommodate items scheduled for later installation.
- B. Prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required notices, reports, and list of attendees at meetings.
- C. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:
1. Preparation of Contractor's construction schedule.
  2. Preparation of the schedule of values.
  3. Installation and removal of temporary facilities and controls.
  4. Delivery and processing of submittals.
  5. Progress meetings.
  6. Preinstallation conferences.
  7. Project closeout activities.
  8. Startup and adjustment of systems.

## 1.6 REQUEST FOR INFORMATION (RFI)

- A. General: Immediately on discovery of the need for additional information, clarification, or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.
1. Architect will return without response those RFIs submitted to Architect by other entities controlled by Contractor.
  2. Coordinate and submit RFIs in a prompt manner to avoid delays in Contractor's work or work of subcontractors.
- B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
1. Project name.
  2. Owner name.
  3. Owner's Project number.

4. Name of Architect.
  5. Architect's Project number.
  6. Date.
  7. Name of Contractor.
  8. RFI number, numbered sequentially.
  9. RFI subject.
  10. Specification Section number and title and related paragraphs, as appropriate.
  11. Drawing number and detail references, as appropriate.
  12. Field dimensions and conditions, as appropriate.
  13. Contractor's suggested resolution. If Contractor's suggested resolution impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
  14. Contractor's signature.
  15. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
    - a. Include dimensions, thicknesses, structural grid references, and details of affected materials, assemblies, and attachments on attached sketches.
- C. RFI Forms: Software-generated form with substantially the same content as indicated above, acceptable to Architect.
1. Attachments shall be electronic files in PDF format.
- D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow 7 days for Architect's response for each RFI. RFIs received by Architect after 1:00 p.m. will be considered as received the following working day.
1. The following Contractor-generated RFIs will be returned without action:
    - a. Requests for approval of submittals.
    - b. Requests for approval of substitutions.
    - c. Requests for approval of Contractor's means and methods.
    - d. Requests for coordination information already indicated in the Contract Documents.
    - e. Requests for adjustments in the Contract Time or the Contract Sum.
    - f. Requests for interpretation of Architect's actions on submittals.
    - g. Incomplete RFIs or inaccurately prepared RFIs.
  2. Architect's action may include a request for additional information, in which case Architect's time for response will date from time of receipt by Architect of additional information.
  3. Architect's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Section 01 2600 "Contract Modification Procedures."
    - a. If Contractor believes the RFI response warrants change in the Contract Time or the Contract Sum, notify Architect in writing within 5 days of receipt of the RFI response.
- E. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit log weekly. Include the following:
1. Project name.
  2. Name and address of Contractor.
  3. Name and address of Architect.
  4. RFI number, including RFIs that were returned without action or withdrawn.

5. RFI description.
6. Date the RFI was submitted.
7. Date Architect's response was received.
8. Identification of related Minor Change in the Work, Construction Change Directive, and Proposal Request, as appropriate.

F. On receipt of Architect's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect within 3 days if Contractor disagrees with response.

## 1.7 DIGITAL PROJECT MANAGEMENT PROCEDURES

A. Use of Architect's Digital Data Files: Digital data files of Architect's CAD drawings will be provided by Architect for Contractor's use during construction.

1. Digital data files may be used by Contractor in preparing coordination drawings, Shop Drawings, and Project Record Drawings.
2. Architect makes no representations as to the accuracy or completeness of digital data files as they relate to Contract Drawings.
3. Contractor shall execute a data licensing agreement in the form of Agreement form acceptable to Architect.

a. Subcontractors and other parties granted access by Contractor to Architect's digital data files shall execute a data licensing agreement in the form of Agreement acceptable to Architect.

4. The following digital data files will be furnished for each appropriate discipline:

- a. Floor plans.
- b. Reflected ceiling plans.

B. Web-Based Project Management Software Package: Provide, administer, and use web-based Project management software package for purposes of hosting and managing Project communication and documentation until Final Completion.

1. Web-based Project management software includes, at a minimum, the following features:

- a. Compilation of Project data, including Contractor, subcontractors, Architect, Architect's consultants, Owner, and other entities involved in Project. Include names of individuals and contact information.
- b. Access control for each entity for each workflow process, to determine entity's digital rights to create, modify, view, and print documents.
- c. Document workflow planning, allowing customization of workflow between Project entities.
- d. Creation, logging, tracking, and notification for Project communications required in other Specification Sections, including, but not limited to, RFIs, submittals, Minor Changes in the Work, Construction Change Directives, and Change Orders.
- e. Track status of each Project communication in real time, and log time and date when responses are provided.
- f. Procedures for handling PDFs or similar file formats, allowing markups by each entity. Provide security features to lock markups against changes once submitted.
- g. Processing and tracking of payment applications.
- h. Processing and tracking of contract modifications.
- i. Creating and distributing meeting minutes.



- j. Document management for Drawings and Specifications, including revision control.
  - k. Management of construction progress photographs.
  - l. Mobile device compatibility, including smartphones and tablets.
2. Provide up to 8 Project management software user licenses for use of Owner, Architect, and Architect's consultants. Provide software training via webinar or video conference for web-based Project software users.
3. At completion of Project, provide digital archive in format that is readable by common desktop software applications in format acceptable to Architect. Provide data in locked format to prevent further changes.
- C. PDF Document Preparation: Where PDFs are required to be submitted to Architect, prepare as follows:
- 1. Assemble complete submittal package into a single indexed file, incorporating submittal requirements of a single Specification Section and transmittal form with links enabling navigation to each item.
  - 2. Name file with submittal number or other unique identifier, including revision identifier.
  - 3. Certifications: Where digitally submitted certificates and certifications are required, provide a digital signature with digital certificate on where indicated.

## 1.8 PROJECT MEETINGS

- A. General: Schedule and conduct meetings and conferences at Project site unless otherwise indicated.
- 1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and Architect of scheduled meeting dates and times a minimum of 7 days prior to meeting.
  - 2. Agenda: Prepare the meeting agenda. Distribute the agenda to all invited attendees.
  - 3. Minutes: Entity responsible for conducting meeting will record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Architect, within 3 days of the meeting.
- B. Preconstruction Conference: Schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Architect, but no later than 15 days after execution of the Agreement.
- 1. Attendees: Authorized representatives of Owner, Architect, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
  - 2. Agenda: Discuss items of significance that could affect progress, including the following:
    - a. Responsibilities and personnel assignments.
    - b. Tentative construction schedule.
    - c. Phasing.
    - d. Critical work sequencing and long-lead items.
    - e. Designation of key personnel and their duties.
    - f. Lines of communications.
    - g. Use of web-based Project software.
    - h. Procedures for processing field decisions and Change Orders.
    - i. Procedures for RFIs.
    - j. Procedures for testing and inspecting.
    - k. Procedures for processing Applications for Payment.

- l. Distribution of the Contract Documents.
  - m. Submittal procedures.
  - n. Preparation of Record Documents.
  - o. Use of the premises and existing building.
  - p. Work restrictions.
  - q. Working hours.
  - r. Owner's occupancy requirements.
  - s. Responsibility for temporary facilities and controls.
  - t. Procedures for moisture and mold control.
  - u. Procedures for disruptions and shutdowns.
  - v. Parking availability.
  - w. Office, work, and storage areas.
  - x. Equipment deliveries and priorities.
  - y. First aid.
  - z. Security.
  - aa. Progress cleaning.
3. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes.
- C. Preinstallation Conferences: Conduct a preinstallation conference at Project site before each construction activity when required by other Sections and when required for coordination with other construction.
- 1. Attendees: Installer and representatives of manufacturers and fabricators involved in or affected by the installation and its coordination or integration with other materials and installations that have preceded or will follow, shall attend the meeting. Advise Architect of scheduled meeting dates.
  - 2. Agenda: Review progress of other construction activities and preparations for the particular activity under consideration, including requirements for the following:
    - a. Contract Documents.
    - b. Options.
    - c. Related RFIs.
    - d. Related Change Orders.
    - e. Purchases.
    - f. Deliveries.
    - g. Submittals.
    - h. Possible conflicts.
    - i. Compatibility requirements.
    - j. Time schedules.
    - k. Weather limitations.
    - l. Manufacturer's written instructions.
    - m. Warranty requirements.
    - n. Compatibility of materials.
    - o. Acceptability of substrates.
    - p. Temporary facilities and controls.
    - q. Space and access limitations.
    - r. Regulations of authorities having jurisdiction.
    - s. Testing and inspecting requirements.
    - t. Installation procedures.
    - u. Coordination with other work.
    - v. Required performance results.
    - w. Protection of adjacent work.
    - x. Protection of construction and personnel.

3. Record significant conference discussions, agreements, and disagreements, including required corrective measures and actions.
4. Reporting: Distribute minutes of the meeting to each party present and to other parties requiring information.
5. Do not proceed with installation if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of the Work and reconvene the conference at earliest feasible date.

D. Progress Meetings: Conduct progress meetings at biweekly intervals.

1. Coordinate dates of meetings with preparation of payment requests.
2. Attendees: In addition to representatives of Owner and Architect, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.
3. Agenda: Review and correct or approve minutes of previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.
  - a. Contractor's Construction Schedule: Review progress since the last meeting. Determine whether each activity is on time, ahead of schedule, or behind schedule, in relation to Contractor's construction schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.
    - 1) Review schedule for next period.
  - b. Review present and future needs of each entity present, including the following:
    - 1) Interface requirements.
    - 2) Sequence of operations.
    - 3) Status of submittals.
    - 4) Deliveries.
    - 5) Off-site fabrication.
    - 6) Access.
    - 7) Site use.
    - 8) Temporary facilities and controls.
    - 9) Progress cleaning.
    - 10) Quality and work standards.
    - 11) Status of correction of deficient items.
    - 12) Field observations.
    - 13) Status of RFIs.
    - 14) Status of Proposal Requests.
    - 15) Pending changes.
    - 16) Status of Change Orders.
    - 17) Pending claims and disputes.
    - 18) Documentation of information for payment requests.
4. Minutes: Entity responsible for conducting the meeting will record and distribute the meeting minutes to each party present and to parties requiring information.
  - a. Schedule Updating: Revise Contractor's construction schedule after each progress meeting, where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with the report of each meeting.

August 19, 2024

A-014835Rev  
KANSAS BUREAU OF INVESTIGATION  
KBI FORENSIC LABORATORY RENOVATION

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 3100

## SECTION 01 5000 - TEMPORARY FACILITIES AND CONTROLS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes requirements for temporary utilities and security and protection facilities.
- B. Related Requirements: Section 01 1000 "Summary" for work restrictions and limitations on utility interruptions.

#### 1.3 USE CHARGES

- A. Allow other entities engaged in the Project to use temporary services and facilities without cost, including, but not limited to, Owner's construction forces, Architect, occupants of Project, testing agencies, and authorities having jurisdiction.
- B. Water and Sewer Service from Existing System: Water from Owner's existing water system is available for use without metering and without payment of use charges within existing facility for interior construction operations. Provide connections and extensions of services as required for construction operations.
- C. Electric Power Service from Existing System: Electric power from Owner's existing system is available for use without metering and without payment of use charges within existing facility for interior construction operations. Provide connections and extensions of services as required for construction operations.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Site Utilization Plan: Show temporary utility lines and connections, staging areas, construction site entrances, vehicle circulation, and parking areas for construction personnel.
- B. Dust- and HVAC-Control Plan: Submit coordination drawing and narrative that indicates the dust- and HVAC-control measures proposed for use, proposed locations, and proposed time frame for their operation. Include the following:
  - 1. Locations of dust-control partitions at each phase of work.
  - 2. HVAC system isolation schematic drawing.
  - 3. Location of proposed air-filtration system discharge.
  - 4. Waste-handling procedures.
  - 5. Other dust-control measures.

- C. Noise and Vibration Control Plan: Identify construction activities that may impact the occupancy and use of existing spaces within the building or adjacent existing buildings, whether occupied by others, or occupied by the Owner. Include the following:
  - 1. Methods used to meet the goals and requirements of the Owner.
  - 2. Indicate activities that may disturb building occupants and that are planned to be performed during non-standard working hours as coordinated with the Owner.
  - 3. Indicate locations of sensitive laboratory areas or other areas requiring special attention as identified by Owner. Indicate means for complying with Owner's requirements.

## 1.5 QUALITY ASSURANCE

- A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
- B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.
- C. Accessible Temporary Egress: Comply with applicable provisions in the United States Access Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1.

## 1.6 PROJECT CONDITIONS

- A. Temporary Use of Permanent Facilities: Engage Installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Portable Chain-Link Fencing: Minimum 2-inch, 0.148-inch-thick, galvanized-steel, chain-link fabric fencing; minimum 6 feet high with galvanized-steel pipe posts; minimum 2-3/8-inch-OD line posts and 2-7/8-inch-OD corner and pull posts, with 1-5/8-inch-OD top and bottom rails. Provide concrete bases for supporting posts.
- B. Polyethylene Sheet: Reinforced, fire-resistive sheet, 10-mil minimum thickness, with flame-spread rating of 15 or less in accordance with ASTM E84 and passing NFPA 701 Test Method 2.
- C. Dust-Control Adhesive-Surface Walk-Off Mats: Provide mats, minimum 36 by 60 inches.
- D. Insulation: Unfaced mineral-fiber blanket, manufactured from glass, slag wool, or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively.

### 2.2 TEMPORARY FACILITIES

- A. Field Offices: KBI prefers no Field Office be brought on site due to limited area.

- B. Storage and Fabrication Sheds and Portable Containers: Provide sized, furnished, and equipped to accommodate materials and equipment for construction operations.
  - 1. Store combustible materials apart from building.

## 2.3 EQUIPMENT

- A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.
- B. HVAC Equipment: Unless Owner authorizes use of permanent HVAC system, provide vented, self-contained, liquid-propane-gas or fuel-oil heaters with individual space thermostatic control.
  - 1. Use of gasoline-burning space heaters, open-flame heaters, or salamander-type heating units is prohibited.
  - 2. Heating, Cooling, and Dehumidifying Units: Listed and labeled for type of fuel being consumed, by a qualified testing agency acceptable to authorities having jurisdiction, and marked for intended location and application.
  - 3. Permanent HVAC System: If Owner authorizes use of permanent HVAC system for temporary use during construction, provide filter with MERV of 8 at each return-air grille in system and remove at end of construction and clean HVAC system as required in Section 017700 "Closeout Procedures."
- C. Air-Filtration Units: Primary and secondary HEPA-filter-equipped portable units with 4-stage filtration. Provide single switch for emergency shutoff. Configure to run continuously.

## PART 3 - EXECUTION

### 3.1 TEMPORARY FACILITIES, GENERAL

- A. Conservation: Coordinate construction and use of temporary facilities with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.

### 3.2 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.
- C. Isolation of Work Areas in Occupied Facilities: Prevent dust, fumes, and odors from entering occupied areas.
  - 1. Prior to commencing work, isolate the HVAC system in area where work is to be performed.
    - a. Disconnect supply and return ductwork in work area from HVAC systems servicing occupied areas.

- b. Maintain negative air pressure within work area, using HEPA-equipped air-filtration units, starting with commencement of temporary partition construction, and continuing until removal of temporary partitions is complete.
- 2. Maintain dust partitions during the Work. Use vacuum collection attachments on dust-producing equipment. Isolate limited work within occupied areas using portable dust-containment devices.
- 3. Perform daily construction cleanup and final cleanup using approved, HEPA-filter-equipped vacuum equipment.

### 3.3 TEMPORARY UTILITY INSTALLATION

- A. General: Install temporary service or connect to existing service.
  - 1. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.
- B. Water Service: Connect to Owner's existing water service facilities. Clean and maintain water service facilities in a condition acceptable to Owner. At Substantial Completion, restore these facilities to condition existing before initial use.
- C. Sanitary Facilities: Provide temporary toilets, wash facilities, safety shower and eyewash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
  - 1. Use of Permanent Toilets: Use of Owner's existing or new toilet facilities is not permitted.
- D. Temporary Heating and Cooling: Provide temporary heating and cooling required by construction activities for curing or drying of completed installations or for protecting installed construction from adverse effects of low temperatures or high humidity. Select equipment that will not have a harmful effect on completed installations or elements being installed.
  - 1. Provide temporary dehumidification systems when required to reduce ambient and substrate moisture levels to level required to allow installation or application of finishes and their proper curing or drying.
- E. Electric Power Service: Connect to Owner's existing electric power service. Maintain equipment in a condition acceptable to Owner.
  - 1. Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations.
  - 2. Connect temporary service to Owner's existing power source, as directed by Owner.
- F. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, egress, and traffic conditions.
  - 1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
- G. Telephone Service: Provide cellular telephone service for Contractor's construction personnel.
  - 1. Post a list of important telephone numbers.
    - a. Police and fire departments.



- b. Ambulance service.
  - c. Contractor's home office.
  - d. Contractor's emergency after-hours telephone number.
  - e. Architect's office.
  - f. Engineers' offices.
  - g. Owner's office.
  - h. Principal subcontractors' field and home offices.
- H. Electronic Communication Service: Provide secure WiFi wireless connection to internet with provisions for access by Architect and Owner.
- I. Project Computer: Provide a mobile or desktop computer on site adequate for use by Contractor's personnel to access Project electronic documents and maintain electronic communications.

### 3.4 SUPPORT FACILITIES INSTALLATION

- A. Traffic Controls: Comply with requirements of authorities having jurisdiction.
- 1. Protect existing site improvements to remain, including curbs, pavement, and utilities.
  - 2. Maintain access for fire-fighting equipment and access to fire hydrants.
- B. Parking: Provide temporary offsite parking areas for construction personnel.
- C. Storage and Staging: Use designated areas of Project site for storage and staging needs.
- E. Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted.
- 1. Identification Signs: Provide Project identification signs.
  - 2. Temporary Signs: Provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.
    - a. Provide temporary, directional signs for construction personnel and visitors.
  - 3. Maintain and touch up signs, so they are legible at all times.
- F. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with progress cleaning requirements in Section 01 7300 "Execution."
- G. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.

### 3.5 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
- 1. Where access to adjacent properties is required in order to affect protection of existing facilities, obtain written permission from adjacent property owner to access property for that purpose.
- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.

1. Comply with work restrictions specified in Section 01 1000 "Summary."
- C. Tree and Plant Protection: Install temporary fencing located as indicated or outside the drip line of trees to protect vegetation from damage from construction operations. Protect tree root systems from damage, flooding, and erosion.
- D. Staging Area Fence: Before construction operations begin, furnish and install enclosure fence in a manner that will protect exterior staging areas from theft and vandalism.
  1. Extent of Fence: Where directed by Owner.
  2. Maintain security by limiting number of keys and restricting distribution to authorized personnel. Furnish 1 set of keys to Owner.
- E. Temporary Egress: Maintain egress from existing occupied facilities as indicated and as required by authorities having jurisdiction. Provide signage directing occupants to egress.
- F. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities. Provide temporary weathertight enclosure for building exterior, if required.
  1. Where heating or cooling is needed and permanent enclosure is incomplete, insulate temporary enclosures.
- G. Temporary Partitions: Provide floor-to-ceiling dustproof partitions to limit dust and dirt migration and to separate areas occupied by Owner from fumes and noise.
- H. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241; manage fire-prevention program.
  1. Prohibit smoking in construction areas. Comply with additional limits on smoking specified in other Sections.
  2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition in accordance with requirements of authorities having jurisdiction.
  3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.

### 3.6 OPERATION, TERMINATION, AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- B. Maintenance: Maintain facilities in good operating condition until removal.
  1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
- C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.

- D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
1. Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.
  2. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements specified in Section 01 7700 "Closeout Procedures."

END OF SECTION 01 5000

## SECTION 10 4413 - FIRE PROTECTION CABINETS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes: Fire-protection cabinets for portable fire extinguishers.
- B. Related Requirements: Section 10 4416 "Fire Extinguishers."

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product. Show door hardware, cabinet type, trim style, and panel style. Include roughing-in dimensions and details showing recessed-, semirecessed-, or surface-mounting method and relationships of box and trim to surrounding construction.
- B. Shop Drawings: For fire-protection cabinets. Include plans, elevations, sections, details, and attachments to other work.

#### 1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For fire-protection cabinets to include in maintenance manuals.

### PART 2 - PRODUCTS

#### 2.1 FIRE-PROTECTION CABINET

- A. Cabinet Type: Suitable for fire extinguisher.
  - 1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
    - a. JL Industries, Inc.; a division of the Activar Construction Products Group.
    - b. Larsens Manufacturing Company.
    - c. Or approved equal.
- B. Cabinet Construction: Nonrated.
- C. Cabinet Material: Cold-rolled steel sheet.

- D. Semirecessed Cabinet: One-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend).
  - 1. Square-Edge Trim: 1-1/4- to 1-1/2-inch backbend depth.
- E. Cabinet Trim Material: Same material and finish as door.
- F. Door Material: Steel sheet.
- G. Door Style: Vertical duo panel with frame.
- H. Door Glazing: Acrylic sheet.
  - 1. Acrylic Sheet Color: Clear transparent acrylic sheet.
- I. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.
- J. Materials:
  - 1. Cold-Rolled Steel: ASTM A1008/A1008M, Commercial Steel (CS), Type B.
    - a. Finish: Baked enamel or powder coat.
    - b. Color: As selected by Architect from full range of industry colors and color densities.
  - 2. Aluminum: ASTM B221, with strength and durability characteristics of not less than Alloy 6063-T5 for aluminum sheet. ASTM B221 for extruded shapes.
    - a. Finish: Baked enamel or powder coat.
    - b. Color: As selected by Architect from full range of industry colors and color densities.

## 2.2 FABRICATION

- A. Fire-Protection Cabinets: Provide manufacturer's standard box (tub) with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated.
  - 1. Weld joints and grind smooth.
  - 2. Provide factory-drilled mounting holes.
- B. Cabinet Doors: Fabricate doors according to manufacturer's standards, from materials indicated and coordinated with cabinet types and trim styles.
  - 1. Fabricate door frames with tubular stiles and rails and hollow-metal design, minimum 1/2-inch-thick.
  - 2. Miter and weld perimeter door frames.
- C. Cabinet Trim: Fabricate cabinet trim in 1 piece with corners mitered, welded, and ground smooth.

## 2.3 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's AMP 500, "Metal Finishes Manual for Architectural and Metal Products," for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces of fire-protection cabinets from damage by applying a strippable, temporary protective covering before shipping.
- C. Finish fire-protection cabinets after assembly.
- D. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine walls and partitions for suitable framing depth and blocking where semirecessed cabinets will be installed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Prepare recesses for semirecessed fire-protection cabinets as required by type and size of cabinet and trim style.

### 3.3 INSTALLATION

- A. General: Install fire-protection cabinets in locations and at mounting heights indicated or, if not indicated, at heights indicated below:
  - 1. Fire-Protection Cabinets: 48 inches above finished floor to top of cabinet door.
- B. Fire-Protection Cabinets: Fasten cabinets to structure, square and plumb.
- C. Identification: Apply vinyl lettering at locations indicated.

### 3.4 ADJUSTING AND CLEANING

- A. Remove temporary protective coverings and strippable films, if any, as fire-protection cabinets are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. Adjust fire-protection cabinet doors to operate easily without binding. Verify that integral locking devices operate properly.

September 12, 2024

A-014835Rev  
KANSAS BUREAU OF INVESTIGATION  
KBI FORENSIC LABORATORY RENOVATION

- C. On completion of fire-protection cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.
- D. Touch up marred finishes or replace fire-protection cabinets that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by fire-protection cabinet and mounting bracket manufacturers.
- E. Replace fire-protection cabinets that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 10 4413

## SECTION 10 4416 - FIRE EXTINGUISHERS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section includes portable fire extinguishers and mounting brackets for fire extinguishers.
- B. Related Requirements: Section 10 4413 "Fire Protection Cabinets."

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include rating and classification, material descriptions, dimensions of individual components and profiles, and finishes for fire extinguisher and mounting brackets.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Warranty: Sample of special warranty.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For fire extinguishers to be included in maintenance manuals.

#### 1.6 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace fire extinguishers that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Failure of hydrostatic test according to NFPA 10.
    - b. Faulty operation of valves or release levers.
  - 2. Warranty Period: 6 years from date of Substantial Completion.



## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Portable Fire Extinguishers."
- B. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.
  - 1. Provide fire extinguishers approved, listed, and labeled by FM Global.

### 2.2 PORTABLE, HAND-CARRIED FIRE EXTINGUISHERS

- A. Fire Extinguishers: Type, size, and capacity for each fire-protection cabinet and mounting bracket indicated.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. JL Industries, Inc.; a division of the Activar construction Products Group.
    - b. Larsens Manufacturing Company.
    - c. Or approved equal.
  - 2. Valves: Manufacturer's standard.
  - 3. Handles and Levers: Manufacturer's standard.
  - 4. Instruction Labels: Include pictorial marking system complying with NFPA 10, Appendix B.
- B. Multipurpose Dry-Chemical Type in Steel Container: UL-rated 2-A:10-B:C, 5-lb nominal capacity, with monoammonium phosphate-based dry chemical in enameled-steel container.

### 2.3 MOUNTING BRACKETS

- A. Mounting Brackets: Manufacturer's standard steel, designed to secure fire extinguisher to wall or structure, of sizes required for types and capacities of fire extinguishers indicated, with plated or red baked-enamel finish.
- B. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated by Architect.
  - 1. Identify bracket-mounted fire extinguishers with the words "FIRE EXTINGUISHER" in red letter decals applied to mounting surface.
    - a. Orientation: Vertical.

PART 3 - EXECUTION

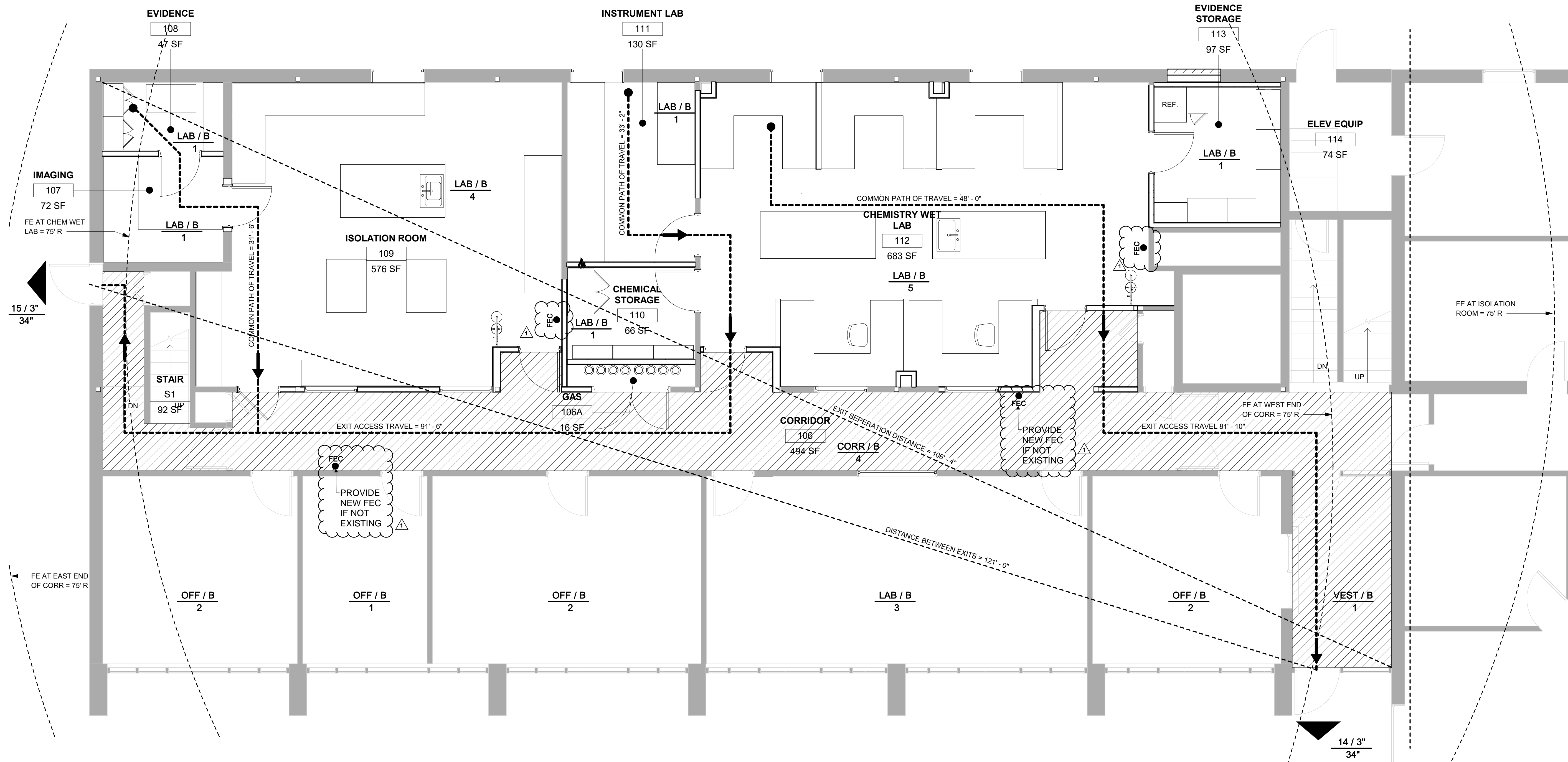
3.1 EXAMINATION

- A. Examine fire extinguishers for proper charging and tagging.
  - 1. Remove and replace damaged, defective, or undercharged fire extinguishers.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install fire extinguishers and mounting brackets in locations indicated and in compliance with requirements of authorities having jurisdiction.
  - 1. Mounting Brackets: 48 inches above finished floor to top of fire extinguisher.
- B. Mounting Brackets: Fasten mounting brackets to surfaces, square and plumb, at locations indicated.

END OF SECTION 10 4416



**CODE PLAN - PHASE 2** NORTH

**CODE FOOTPRINT GRAPHIC LEGEND**

Symbol	Description	Protection Elements
	Required Exit - Exterior	Exit Signs.
	Required Exit or Exit Access - Interior (Assembly over 50 & exits from floors.)	
	Fire Extinguisher	
	Fire Department Connection (FDC)	
	Standpipe	
	Hose Cabinet	
	Hose Cabinet with Extinguisher	
	Fire Extinguisher Spacing (Show radius)	Show radius.
	Non-Protected Exit Path	(Edit as necessary) [None] or [None-per exception of fully sprinklered A, B, E, F, M, S, U occupancy] or [1-2 occupancy smoke partition walls (No fire resistive wall rating). Doors limit transfer of smoke and shall have positive latching.]
	Limited Protected Exit Path	Automatic Smoke Detection Throughout Exit Path
	Protected Exit Path	1-hour Fire Partition wall construction. 20-minute rated door assembly. Fire & Smoke Dampers.
	Protected Exit Path (sprinklered R occupancy)	.5-hour Fire Partition wall construction. 20-minute rated door assembly. Fire & Smoke Dampers.
	Special Coverage	Limited Sprinkler Coverage
	1 Hour Exit Passageway	1-hour Fire Barrier wall construction. No openings other than required exit doors. 1-Hour door assembly.
	2 Hour Exit Passageway	2-hour Fire Barrier wall construction. No openings other than required exit doors. 1 1/2-Hour door assembly.
	1 Hour Exit Enclosure (vertical) (stairwell - 3 stories or less)	1-hour Fire Barrier wall construction. No openings other than required exit doors. 1-Hour door assembly.
	2 Hour Exit Enclosure (vertical) (stairwell - 4 stories or more)	2-hour Fire Barrier wall construction. No openings other than required exit doors. 1 1/2-Hour door assembly.
	1 Hour Fire Barrier (Occupancy and Incidental Use Areas)	1-hour Fire Barrier wall construction. 3/4-hour rated door assembly. Fire Dampers. (Edit Fire Damper requirement as necessary for sprinklered buildings.)
	2 Hour Fire Barrier (Occupancy)	2-hour Fire Barrier wall construction. 1 1/2-hour rated door assembly. Fire Dampers.
	3 Hour Fire Barrier (Occupancy)	3-hour Fire Barrier wall construction. 3-hour rated door assembly. Fire Dampers.
	4 Hour Fire Barrier (Occupancy)	4-hour Fire Barrier wall construction. 3-hour rated door assembly. Fire Dampers.
	2 Hour Fire Wall (Building Separation)	2-hour Fire Wall construction per IBC 705. 1 1/2-hour door assembly. Fire dampers when ductwork is allowed to penetrate wall.
	3 Hour Fire Wall (Building Separation)	3-hour Fire Wall construction per IBC 705. 3-hour door assembly. Fire dampers when ductwork is allowed to penetrate wall.
	4 Hour Fire Wall (Building Separation)	4-hour Fire Wall construction per IBC 705. 3-hour door assembly. Fire dampers when ductwork is allowed to penetrate wall.
	1 Hour Shaft (3 stories or less)	1-hour Fire Barrier wall construction. 1-Hour door assembly. Fire/Smoke Dampers.
	2 Hour Shaft (4 stories or more)	2-hour Fire Barrier wall construction. 1 1/2-Hour door assembly. Fire/Smoke Dampers.
	Sprinklered Incidental Use Areas	Wall construction to resist the passage of smoke from floor to floor to F.R. floor/ceiling assembly. Self- or automatic closing doors with no air transfer grilles.
	Fire Partitions (dwelling/unit separation) (1-1 and R occupancies)	1-hour resistive rated walls. 3/4-hour rated door assembly. Fire Damper
	Smoke Barriers (1-2 and 1-3 occupancies)	1-hour resistive rated walls. 20-minute door assembly. Smoke Damper
	Accumulated exit width at required exit (clear width)	Occupants / Required width
	Public Fire Hydrant (show distance from building)	Provided width
	Room Designation	Room type / Occupancy type Maximum Allowable occupants
	Show accumulated occupant loads for complex exit paths (when applicable)	
	Other Symbols as required.	

15 = Number of Occupants  
15/3" 3" = Door Width Required  
34 34 = Width of Door Opening

OWNER SIGNATURE: *[Signature]* DATE: 1 Feb 2024

STEPHEN FENSKER  
OFPM SIGNATURE DATE: 24.02.06

ISSUE DATE: 01-30-24  
DRAWN BY: AAM  
CHECKED BY: SAS  
REV: