

Scope of Work – R2

Revised 2/15/2024

Project Number: 437-22-101

Project Title: Refurbish Elevators and Replace Controls

Scope of Work: Construction work shall include, but shall not be limited to providing all materials, labor, equipment, etc. to provide a complete and coordinated construction project for Fargo VA Health Care System project 437-22-101, Refurbish Elevators and Replace Controls in accordance with the attached contract documents and this Scope of Work (SOW). All work shall comply with federal, state and local codes and requirements, NFPA (LSC, NEC, etc.), UBC, UPC, etc. If there are conflicts between the codes, contact the VA CO and the VA COR for resolution.

Work shall involve, but shall not be limited to, following Fargo VA Pre-Construction Risk Assessment requirements (sample PRCA and the associated requirements are located in the project specifications). Prior to beginning work, the Superintendent shall contact the VA COR about obtaining a PCRA for the work area(s). Once the PCRA is completed by VA staff, a copy will be provided to the General Contractor to follow. PCRA infection control and safety items shall be installed prior to the beginning of construction work by the general contractor or any subcontractors. The construction work shall address all interim life safety measures (ILSM) and all other applicable requirements for patient/visitor safety to ensure corridors and exit routes are not impeded for evacuation or life safety. The construction contractor will be responsible to maintain the proper evacuation routes for life safety and ensure that any necessary construction barriers will be constructed to meet the required fire-rating for the corridor or exit path construct.

The “Refurbish Elevators and Replace Controls” project number 437-22-101 shall consist of infrastructure replacement and improvements as well as aesthetic improvements to elevator controls, elevator cabs and the lobbies. The construction project shall include, but shall not be limited to:

1. Demolition (removal) of existing elevator finishes, equipment, and all associated components, in the locations outlined on the bid documents. No on-site disposal will not be supplied by the VA and contractor shall remove all demolished materials and packaging for new materials.
2. Repair/replace/refurbish existing elevators control equipment, existing computer controls, programming, electronics/mechanical control equipment, switchgear, elevator drive equipment, mechanicals/controls for door operators, door tracks, door hangers, door lock equipment, etc.
3. Repair/replace/refurbish existing elevators control interface panels in each elevator cab and at each floor that the elevators stop at.
4. Repair/replace/refurbish existing elevators cab interior finishes. This project shall replace/upgrade all hard surfaces and cab infrastructure including:
 - a. Floors, walls, ceilings, doors
 - b. Lighting

- c. Railings, padding/protection for service elevators, etc.

Commissioning, start-up, and operational inspection of all systems shall be provided as called for in the project specifications and per the included documentation specifically for the commissioning and inspection of the elevators as follows:

- 1) 437-22-101 Elevator Commissioning-Inspection
- 2) insp_guide_electric_elevators
- 3) insp_guide_for_hydraulic_elevators

Fire seal **ALL** penetrations, new or existing, within the construction space that pass through any walls, floors or roof decks. Caulk all joints, seams, etc. as noted in the contact documents.

The Contractor shall maintain an on-site set of as-built redline construction notes/drawings to be turned over to the Design Team upon project completion.

A submittal register shall be developed by the A/E and provided within the project specifications as an attachment to specification 01 33 23 Shop Drawings, Product Data and Samples. At a minimum the following columns or headings shall be included: Specification Number and Title, Submittal Number, Description, Supplier or Manufacturer, Date Expected, Submittal Received Date from General Contractor, Review By A/E (Date Sent To, Date Received, Date Reviewed and Returned, Action [A, AAN, RR]), Remarks. Specification 01 33 23 shall be edited so that it references Submittal Exchange (or other similar product) shall be utilized for this project and paid for by VA through a separate VA contract if the VISN 23 CAM approves of its use. If the VISN 23 CAM does not approve, the submittal process shall be handled manually and with the submittal register.

Normal work hours are considered 8:00am to 4:30pm Monday – Friday, excluding weekends and federal holidays. To negate any interruptions of patient services, the contractor or sub-contractors may be required to work outside these hours for certain tasks that cannot take place during regular patient services hours. Any work scheduled on site outside of normal working hours must be scheduled with the VA COR.

Phasing plans shall be followed to ensure continuous operation of all services under this project, as well as access to existing building(s), elevators, stairwells, corridors, etc. Phasing shall ensure patient service, department staff activities, etc. downtimes are kept to a minimum. All elevator shut-downs and re-routing plans of patients/visitors/staff shall be coordinated with the VA COR and approved prior to implementing or proceeding with work.

Duration: 546 days after the Notice to Proceed (NTP) is issued based on the following:

Task Order Award	D
Pre-Construction Conference	D+14
Notice to Proceed	D+14

Construction Start	D+28
Construction Completion	D+546

MAGNITUDE OF CONSTRUCTION

The anticipated cost range for this project is between \$1,000,000 and \$5,000,000.

COVID 19 Precautions for Fargo VAHCS

Contractors shall adhere to the hospital's requirement for the wearing of masks and Personal Protective Equipment (PPE). Contractors are held to the same standards as employees. The Contracting Officer's Representative (COR) will be the point of contact for COVID precaution information.

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Solicitation Questions and Answers
for
Refurbish Elevators and Replace Controls
Project: 437-22-101, RFP: 36C26324R0021
12/15/2024

#	Reference	Question	Answer
1.		What type of elevators are included in this project?	Two of the elevators are hydraulic elevators, the others are electric traction elevators.
2.		What is access like to the elevators?	Access to some of the elevator equipment rooms is tight/difficult and will require planning for movement of equipment in/out of the rooms.
3.	Sheet HA101 of the drawings & spec section 02 82 11	Is there asbestos in the project area?	An asbestos survey found small amounts of asbestos in the elevator 10 equipment room. This is on sheet HA101 of the drawings. Refer to specification section 02 82 11 for further information and requirements for asbestos abatement.
4.		Does the 546-day Period of Performance (PoP) include anticipated lead times for parts and materials?	Yes, the PoP was established with consideration of parts and material lead times.
5.		Will phasing be required for this project?	Yes. Phasing will be required as adequate elevator access will need to be available 100% of the time for use by patients and staff. A phasing plan is required from the contractor.
6.	Electrical Fixtures	Will the VA accept equals to the spec'd Lithonia fixtures?	Yes. Equal products will be reviewed and considered during the submittal process.
7.	Sheet P0.00	Sheet P0.00 plumbing notes states all waste and vent piping below grade is intended to be epoxy coated steel as specified. There is no mention of epoxy steel pipe in the spec book. Is the epoxy on the inside or the outside of the pipe?	Remove reference on cover sheet P0.0 for epoxy coated steel. Please refer to Addendum #1 (Addendum_001_2-12-24.pdf) attached.
8.	Storage Tanks	Do the storage tanks (T-1 & T-2) need provisions made to drain or pump out the tanks?	T-1 and T-2 as shown on storage tank schedule are specified by model number and include 1x 2" top draw connection and one manway. VA to adapt or use tank draw down or fluid removal as they see fit.
9.	Storage Tanks	Are spill containment bases needed for the storage tanks?	Tanks as specified are already dual contained. See Storage Tank Schedule on P5.00 for product basis of design.
10.	Demo	During the walk through the elevator contractor noted that there was numerous equipment, piping, and duct work in the way to bring in the elevator pump skids. There is nothing on the	Elevator Contractor shall be responsible for an all encompassing bid that includes physical delivery of new elevator equipment to the new elevators and existing elevator equipment rooms. Means and methods

		plans to indicate what needs to be removed. How will the VA incorporate these items into the Bid scope?	shall determine if new elevator equipment requires being broken down to a manageable size to navigate existing conditions. Construction Documents will not indicate this route nor the removal of existing conditions to accommodate the Contractors preferred route. Please refer to the first sentence in the attached revised Scope of Work (SOW R2) (2 - P01 - SOW R2 - 437-22-101 Refurbish Elevators and Controls.pdf)
11.	P2.00	Sheet P2.00 Plumbing Isometrics shows a discharge line coming from the sump pumps. If this line is carrying hydraulic oil, is a sand/oil interceptor needed prior to entering the sanitary sewer?	Pumps specified differentiate between oil and water discharge within their own package controls. No additional separation is required. See Pump Schedule on P5.00 for product basis of design.
12.	Hazardous Building Material Inspection Report	Ref drawing HA101 note 1- Will the Hazard Material Inspection Report be provided?	Please see attached "ASBESTOS SURVEY – 2022" reports, produced by Trine Environmental, Inc.: {2022} VAMC Fargo Bldg. 01 - Asbestos Survey.pdf {2022} VAMC Fargo Bldg. 09 - Asbestos Survey.pdf {2022} VAMC Fargo Bldg. 46 - Asbestos Survey.pdf
13.	Elevator Plan Floor Level Heights	To provide a better understanding of the floor levels would it be possible to provide an elevation view for each elevator shaft indicating the floor elevation heights. The electrical drawings show elevation view but do not indicate the floor elevation heights.	Existing floor to floor elevations are unknown at this time. Number of floors/stops are identified on drawing sheet A1.00. General Contractor shall field verify all floor to floor elevations prior to construction.
14.	Elevator Phasing	As per the pre-bid site visit walkthrough comments were made referencing the project phasing, Contractor would be responsible to provide phasing, but the drawings indicate a phasing plan can you provide clarification. Are we allowed to modify the phasing plan as the discussed in the prebid meeting.	Yes, in coordination with the COR and downtime for elevators as indicated on the Phasing Drawing Sheet. Construction Scheduling with the VA will continue to be required. See drawing sheet AD1.00 for current references to Phasing.
15.	Contract Duration	Due to elevator manufactures taking several weeks to provide submittals, owner approval and several weeks of manufacturing and material procurement lead times it would take	The Statement of Work for this project provides for a duration on 546 calendar days. This considerably long duration was established with consideration of manufacturing and material procurement

		<p>the majority if not all of the contract days leaving a very short window of installation days. Would it be possible to provide an administration notice to proceed and then a construction notice to proceed once we receive the elevator materials along with extended contract duration days to complete work.</p>	<p>lead times. Any consideration of extending the duration would be closely evaluated and would require accurate documentation and timelines from the contractor and from the equipment manufacturer.</p>
16.	<p>Fire Seal Penetrations</p>	<p>Is there a defined number of penetrations that are existing. Can you provide clarification on the scope of the existing penetrations.</p>	<p>Electrical penetrations will be required for new homeruns shown on the electrical floorplans along with a penetration detail on sheet E-004. It will be the Contractor responsibility to provide new holes through existing structure and finishing details consistent with plans and specifications.</p> <p>As shown on plumbing sheets, AE made attempt to alert contractor of new holes through existing walls (penetrations) along with a finishing detail. This is a guide for contractor to use and does not account for other trades type penetrations. It will be the Contractor responsibility to provide new holes through existing structure and finishing details consistent with plans and specifications requirements for all trades.</p> <p>If existing penetrations are identified during construction, alert the COR and the COR will make determination to have VA staff correct the penetration or will request that the General Contractor provide a proposal to complete the work.</p> <p><i>See Detail 2/P5.00.</i></p>
17.	<p>Project Schedule software - Specification Section 01 32 16.15</p>	<p>Will Microsoft project be acceptable for project schedule?</p>	<p>Yes</p>
18.	<p>Quality Control Organization - Specification Section 01 45 00</p>	<p>Quality Control Organization - Specification Section 01 45 00. Will the superintendent be able to perform the Superintendent, QCC System Manager, Safety and Health Manager functions.</p>	<p>VA Reply: No. The duties of the Superintendent are further identified in Specification Section 01 35 26. The prime contractor will have a superintendent on site during all times that any work on this project is taking place.</p>

			<p>Due to the specialized safety requirements and quality control requirements for elevators systems, it is required that a competent person with specialized knowledge and practical experience with elevator systems be on site at all times during work that is being conducted in the elevator, pits, shafts and equipment rooms. As noted in Specification section 01 45 00 – 3.2, B.1: the CQC System Manager reports to the project superintendent. The Safety and Health Manager is a personnel member of the CQC organization and must be knowledgeable and competent to ensure safety and Contract compliance.</p> <p>The qualifications of all contractor and sub-contractor personnel (Superintendent, CQC System Manager and Safety and Health Manager) are to be included in the resumes that are submitted for these personnel.</p>
19.	Elevator Qualifications - Specification Section 14 21 10 1.3 and 14 24 10 1.3	Are we able to acquire pre-approvals for the elevator manufactures and installers prior to submitting our proposal.	Pre-Approvals will not be reviewed prior to proposal submission. Products and manufactures will be reviewed for compliance with the contract specifications as part of the submittal review process.
20.	Fire Suppression Qualifications & Quality Assurance	Request to remove Oklahoma requirement.	Please remove reference to the word “Oklahoma” in specification section 21 13 13 – 1.5.A. Please refer to attached Addendum #1 (Addendum 001 2-12-24.pdf).
21.	Elevator shaft rating	Can you provide the 2-hour UL assembly required for any barriers if required.	<p>No. It would be the responsibility of the contractor to provide and install all construction barriers that are needed complete work and maintain the proper elevator shaft rating during the construction.</p> <p>Contractor to submit fire and smoke rated barrier assemblies intended to be installed as part of the shop drawing process.</p> <p>Please refer to the additional verbiage included on page 1, paragraph 2 of the revised attached SOW R2 (2 - P01 - SOW R2 - 437-22-101 Refurbish Elevators and Controls.pdf): The construction contractor</p>

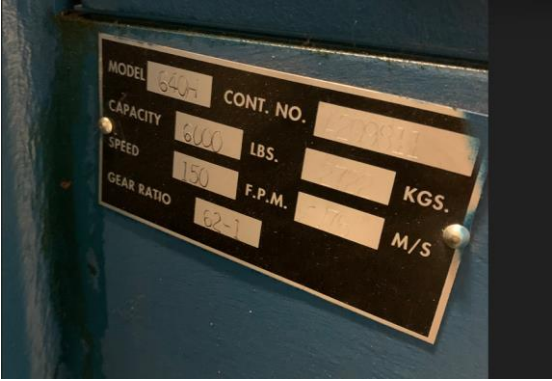
			will be responsible to maintain the proper evacuation routes for life safety and ensure that any necessary construction barriers will be constructed to meet the required fire-rating for the corridor or exit path construct.
22.	Existing Elevator Equipment	The existing elevator equipment to be removed and disposed of, does the facility want to salvage any equipment?	None of the existing elevator equipment that is to be demolished will be salvaged by the VA. Remove all demolished equipment to an off-site location. Please refer to the corrected verbiage (the word "not" has been removed) on page 1, paragraph 3 (1) of the revised attached SOW R2 (<u>2 - P01 - SOW R2 - 437-22-101 Refurbish Elevators and Controls.pdf</u>): No on-site disposal will not be supplied by the VA and contractor shall remove all demolished materials and packaging for new materials.
23.	Asbestos Removal	If work will be required after hours, can you provide security requirements, restricted work areas locations where we cannot be working in, Work hour schedule, what hours can we work after normal working hours.	The VA will work with the contractor to establish the necessary schedule and secured work zone areas as required for ACM removal. Please refer to the verbiage as included on page 2, paragraph 5 in the revised attached SOW R2 (<u>2 - P01 - SOW R2 - 437-22-101 Refurbish Elevators and Controls.pdf</u>): To negate any interruptions of patient services, the contractor or sub-contractors may be required to work outside these hours for certain tasks that cannot take place during regular patient services hours. Any work scheduled on site outside of normal working hours must be scheduled with the VA COR.
24.	Elevator Doors - Specification Section 14 21 10 2.42	As per Sheet keynotes and specifications above clean and refurbish frames and thresholds, intent is that no cladding or painting is required. Provide clarification of scope.	That is correct, no replacement of the frames and thresholds is required. Do not paint, only clean and remove any construction material after completion of the project.
25.	Floor Finishes at elevator 12	a. Can you provide the required finish floor details that we would need to replace and define quantity of area to be repaired, ie the whole room or just the replaced area. b. The open area "storage area" any equipment, boxes materials etc. clarify who is responsible to relocate	Sealed Concrete present at both Elevator Mech BD-86 and room between Elevator 12 and Elevator Mech BD-86. Place infill concrete and finish in a manner consistent with adjacent sealed concrete appearance.

		to provide workers with a clear access for the plumbing work. c. Provide the finish requirements for the walls in storage area at the plumbing work repair.	
26.	Floor Demolition at Elevator 10	a. There is no indication of the floor area to be demolished for floor drain, as per the plumbing plan please provide note and hatched area required. b. The scope is to remove floor for plumbing work, can you provide the required finish floor details that we would need to replace and define quantity of area to be repaired, ie the whole room or just the replaced area. c. Is there some overstock material of this flooring that the VA has on hand that the contractor can reinstall in front of elevator 10?"	See revised Drawing Sheets AD5.21 and A5.21 for the inclusion of floor demolition in Elevator #10 Vestibule to support the installation of underfloor plumbing and A5.21 for the patch, repair and new flooring for the Elevator #10 Vestibule. Please refer to attached Addendum #1 (Addendum 001 2-12-24.pdf).
27.	Mechanical Louver & HVAC Demolition Elevators 4,5,6	b. At elevator 4 penthouse it appears there is not a smoke / fire damper at ductwork in the corner of the room. Clarify requirements to remove entirely and cap / seal wall. c. At elevator 6 ductwork in corner, as per the scope the louver is to be capped but clarify if ductwork is to be removed also and the floor penetration capped and sealed. Also provide capping and sealing details if the removal is required.	The intent of the plans is to remove ducting, any backdraft dampers (motorized or other), and/or fire dampers from back side of existing louver, retain existing louver in place, add painted weather rated insulation behind existing louver, seal/cap insulation with sheetmetal cap from interior. Floor Penetration to be capped and sealed. <i>See detail 7/M1.00</i>
28.	Roof Assembly at Elevator 10 & 12 Sheet P5.00 Detail 5	Provide as built roof system material assembly and thickness for elevator 10 and 12.	Provide bid based on assembly shown on 5/P5.00. Assume core drill through concrete deck and flashing collar as needed to seal to adjacent existing membrane.
29.	Elevator Plans at floor levels	Drawings indicate the demolition and new work for the pits, mechanical rooms, penthouse rooms. The plans do not indicate the work at the individual floor levels. Please provide demolition and new work plans for the floors. Can you provide elevation view of each shaft.	See AD5.21 for typical demolition at each floor and A5.21 for typical new construction at each floor. See drawing sheet A1.00 for number of floors and propose on/bid work shown on AD5.21 and A5.21 for each floor. Please refer to attached Addendum #1 (Addendum 001 2-12-24.pdf).
30.	Existing Equipment at Elevator Shaft 4	At elevator 4 shaft there is an existing antenna as per elevator code no other electrical equipment, wiring, raceways can be installed in elevator space unless directly related to the elevator. Provide	Contractor did not provide a specific code reference in relation to this question, however, A/E assumes contractor is referring to ASME A17.1-2022 Section 2.8.1 which is referring to new installations. As

		clarification.	this installation is an alteration of existing elevator installation A/E believes that ASME A17.1-2022 section 8.7.2.8 is more applicable which states that the installation of any new, or the alteration of existing, electrical equipment, wiring, raceways, cables, pipes, or ducts shall conform to the applicable requirements of section 2.8. The existing Antenna is not intended to be altered in accordance with this project and therefore does not need to meet the requirements of section 2.8.
31.	Electrical receptacles	As per NEC 620.6 Any 15 or 20 amp receptacle in hoist way, pit, car, machine room/space must be GFCI. Provide clarification for receptacles at the penthouses and equipment rooms as no work is defined on plans.	Existing receptacles in the penthouses and equipment rooms are currently GFI. No work is intended for the existing GFI receptacles.
32.	Elevator Lighting at elevator 12	From drawing A1.00 indicates that elevator 12 has three floors basement, level 1, level 2. The details indicate additional levels 3 and 4. Confirm there are only 3 levels and there would not be any lighting on these levels.	Elevator 12 has 3 Levels as indicated on Drawing Sheet A1.00
33.	Car and Counterweight Guides / Rails - Specifications 14 21 10 – Paragraph 2.43	a. Request to retain all the rails for cars 7&8. b. Clean the bottom rails of both cars 7&8 or replace the bottom set of rails only for cars 7&8. Clarify what would be acceptable.	Remove and Replace rails for Elevators 7 & 8 as indicated in note 15 on AD5.20 and 15 on A5.20.
34.	Elevator Cab Ceilings - Specifications 14 21 10 – Paragraph 2.46 Paragraph J.1 1.	Ceilings are called out as stainless-steel T-frame, T-frame ceilings are usually aluminum as the weight of stainless steel is too heavy for this application...existing ceilings at the VA are aluminum T-frames Round handrails in the passenger cars or flat bar as the spec states for the service cabs? Clarify requirements.	Provide Stainless Steel as indicated in 14-21-10 2.46 F -- This spec calls for 12-gauge product that we feel is appropriate weight for this application. Provide round at passenger elevators and flat bar for all service elevators.
35.	Hydraulic Elevator Casings - Specifications 14 24 10 – Paragraph 2.17 B	a. Elevator # 10 is a twin post so there are no casings. b. Elevator # 12 is only 6 years old and currently has a brand-new casing. c. Clarify if we are required to install new casings in both hydraulic elevators	Field verify if Elevator #10 does have casings. If so then Replace twin post casings in Elevator #10. Casing in Elevator #12 to remain. If this response is not clear provide follow up question to further support a response.
36.	Elevator Cab	Clarify that the new cabs to be #4	Brushed stainless steel as indicated in the

	Finish - Specifications 14 24 10 – Paragraph 2.17 3.5 H	brushed stainless shells as the existing cabs are 5WL stainless steel.	construction documents, per finish schedule 09 60 00.
37.	Elevator 10 equipment room	Room is very small and does not appear to be the current elevator code. Since this room is an existing space would the new code requirements be waived due to existing conditions?	Due to the physical space restrictions the existing room cannot be expanded. The VA would request that the code requirements be waived and the existing elevator equipment room be re-utilized. Please refer to the verbiage as included on page 1, paragraph 1 of the revised SOW R2 (2 - P01 - SOW R2 - 437-22-101 Refurbish Elevators and Controls.pdf): If there are conflicts between the codes, contact the VA CO and the VA COR for resolution.
38.	Electrical Study - Specifications 26 05 73 1.1 B	a. Will the VA provide all the information to do this study? We are going to need to know the utility transformers fault current feeding the switchgear that the equipment is being fed out of. We are also going to need to know wire length, material of conductors, how many per phase, if they are in metallic or non metallic conduit. b. Also are we allowed to do these calculations in house or do these need to be done by an engineering company?	a. A/E understands that VA would provide current Arc Flash study to the contractor which would provide this information and the contractor would be required to verify the information provided. The VA will provide the entire Arc Flash Study to the firm awarded the task order. b. Study to be prepared by the equipment manufacturer’s licensed electrical engineer as required in specification section 26 05 73 1.3 B.
39.	Existing Walls next to Elevator Doors	a. Can we paint over existing wallpaper due to matching existing. b. Old Stainless Steel control plates, are we able to paint over plates and leave existing? Provide clarification on intent. c. Existing clay tile masonry intent is to leave existing finishes clarify	Limit demo by any means necessary. New control plates shall be sized to conceal any demo’ed surface left by removal of old control plates.

Solicitation Questions and Answers (updated 3-26-2024) for
 Refurbish Elevators and Replace Controls
 Project: 437-22-101, RFP: 36C26324R0021

#	Reference	Question	Answer
40.		Please confirm when the 546 day time period begins	The 546-calendar day Period of Performance will begin on the effective date of the NTP.
41.		Please confirm the elevator code year we are installing to at the facility as the specification seems to be dated 12-01-2020 and some of the information may be outdated	The project should be bid per the valid Code at the date as indicated on the specifications (12-02-2020).
42.		Please confirm if this project is tax exempt and if a tax exemption form will be issued to the General Contractor.	A tax exemption statement will not be issued for this project. The proposal price shall include all applicable Federal, State, and local taxes and duties.
43.		Maintenance: A. When would interim maintenance of the elevators commence? In past projects it has extremely difficult to have multiple elevator companies maintaining elevators at the same site. It becomes difficult when elevators are out of service and service calls are placed. B. Would elevator interim maintenance continue until the last elevator is out of warranty? C. Will there be an option to provide a long-term maintenance pricing?	VA is responsible to conduct all maintenance on elevators that have not been turned over to the contractor for the construction project per the approved phasing plan. Once the Contractor has taken possession of an elevator, the contractor will be responsible for all interim maintenance on that elevator until the construction is complete and the warranty period has ended.
44.		Elevator #3 Please have confirm what the existing loading class as there are no marking currently.	6,000lbs as indicated on the Elevator Schedule on drawing sheet A1.00. See photo below. 
45.	Section 2.3	If we are to reuse the existing wireway were possible, will we be required to change out EMT that is	Unless specifically noted on the drawings the reuse of existing equipment, conductors, wireways, or

		under .75" even if being reused?	devices is not intended. Contractor may reuse existing components if approved by the VA as long as existing components meet the requirements of the specs.
46.		Please confirm if a retrieval device will be required for the elevator personal working in the elevator pits?	VA to Reply per OSHA requirements: 1926.1211(c)(2) The other end of the retrieval line must be attached to a mechanical device or fixed point outside the permit space in such a manner that rescue can begin as soon as the rescuer becomes aware that rescue is necessary. A mechanical device must be available to retrieve personnel from vertical type permit spaces more than 5 feet (1.52 meters) deep. 1926.1211(c)(3) Equipment that is unsuitable for retrieval must not be used, including, but not limited to, retrieval lines that have a reasonable probability of becoming entangled with the retrieval lines used by other authorized entrants, or retrieval lines that will not work due to the internal configuration of the permit space.
47.	Section 2.43	As discussed during the walkthrough please confirm only the bottom rail (Car and CWT) is to be replaced and not the entire stack?	<i>Yes, only the bottom section of each rail as indicated on revised drawing sheet AD5.20 AD5.21, AND A5.20 A5.21 in Addendum #2.</i>
48.	Section 2.45	please confirm the required sub floor thickness and type for the elevator platforms. The specification says design for intended duty although in a setting such as this it is recommended but not required to use 2 layers of 3/4" marine grade plywood. How should we proceed?	<i>Proceed with the proposed recommendation of (2) layers of 3/4" marine grade plywood. See revised language in Specification Section 14 21 10 included in Addendum #2.</i>
49.	Section 2.47	please confirm that a GAL MOVFR II will meet the intent of the specification?	<i>Insufficient product information provided, not reviewed, AE has no comment.</i>
50.	Keyed access and card readers	Please confirm which elevators will require card readers i. Car ii. Hall Please confirm which elevators will require keyed access iii. Please confirm the elevator number and how many floors will need to be switched.	Refer to Questions #73 and #74

51.	Section 2.8	<p>Will the hydraulic elevators require the same elevator monitor? There are space constraints in these areas Will there be a central monitor which shows all elevators? If so where will it be located in the building?</p>	As stated in specification sections 14 21 10 and 14 24 10 Provide elevator monitors for each elevator in their assigned machine room. There will not be a central elevator monitor.
52.	Section 2.15	Please clarify if a dry or submersible pumping unit is required as the specification is unclear?	See the pump schedule on drawing sheet P5.00.
53.	Section 3.5 painting and finishing	<p>Please confirm that all painted surfaces shall receive a new coat of paint including ones which already have a factory coat of paint or just areas where surfaces have been ground or refurbished.</p> <p>If we are to complete said painting in the field when will this work be require to be completed? EX (After hours or normal business hours)</p>	<p>Only areas where surfaces have been ground or refurbished.</p> <p>VA to response: Painting may be completed during normal business hours. Any painting outside of normal business hours must be coordinated with the COR.</p>
54.	Drawing AD5.20 Key note #12 metal ladders	<p>Per field measurements most ladders in the elevator pit do not meet current code.</p> <p>Are they to remain or be replaced to meet code?</p>	Existing pit ladders to remain. Review on a case-by-case basis will be conducted during construction.
55.	Drawing AD5.21 Key note #14	<p>Replace counterweight assemblies Per the drawings the full counterweights are to be replaced but it is not in the specifications. Which takes precedence?</p>	Note 7 on drawing sheet AD5.20 states that the existing counterweight assemblies are to remain.
56.	Drawing AD5.21 Key note #15	<p>Replacement of the rails on elevators 7&8: During the walkthrough is was discussed by all parties that there might be a revision to the specification to only replace the bottom rail in the car and counterweight stack since that was the only pieces affected by water. Will the specification be revised to include the bottom rail only? Please note removal of the rails will require the entire elevator to be disassembled and removed from the shaft and require and extended downtime.</p>	<i>See Response to Question #47</i>
57.	Drawing AD5.22 Key	Key note #1 VS 14 21 10-17 section 2.17	The Specification calls for the geared motor, see update to drawing sheet

	note #1	Please confirm if the elevator contractor is to install new gearless elevator hoist machines for elevator 1-8 or geared traction machines as the specifications and drawings conflict and there is a cost difference.	AD5.22 to make all drawing references calling for Geared Motor.
58.	Drawing A1.00 Elevator Schedule:	Can you please confirm the speed of the elevators as some of the stated speeds in the schedule are incorrect per the onsite visit?	All speeds have been reviewed against existing hoist way machines and match. No change.
59.	spec 2.43 A for Elevators 7 and 8	In the spec 2.43 A for Elevators 7 and 8 it is said to remove and replace both CWT and car rails. It is highly recommended to leave the rails and only replace the rusty rails. Suggestions below, <ul style="list-style-type: none"> • Replace starter rail (bottom rail) for CWT and car. • Cut out bottom section and weld in new piece. • Sand rusty section and repaint. 	<i>See Response to Question #47</i>
60.	2.17	2.17 - Elevator 10 does not need a casing since it is a twin post hydraulic elevator above ground. It is recommended that packing gets replaced in both jacks.	<i>Note 13/AD5.20 notes that the existing hydraulic piston is to be reused. Reuse existing hydraulic piston but replace packing in both jacks. See revised note 13/AD5.20 AND 17/A5.20.</i>
61.		Please add verbiage is added for a permanent means to get equipment in and out of elevators 4 and 5 machine rooms. Recommendation is installing permanent platforms with handrail along with 42" door min. for machine room equipment access. This adds safety for all personnel and price savings for future projects and repairs.	Permanent means for moving of equipment is not included in the scope of this project.
62.		Do we need a rescue crane to access the pit?	VA to Reply per OSHA requirements: 1926.1211(c)(2) The other end of the retrieval line must be attached to a mechanical device or fixed point outside the permit space in such a manner that rescue can begin as soon as the rescuer becomes aware that rescue is necessary. A mechanical device must be available to retrieve personnel from vertical type permit spaces more than 5 feet (1.52 meters) deep.

			<p>1926.1211(c)(3) Equipment that is unsuitable for retrieval must not be used, including, but not limited to, retrieval lines that have a reasonable probability of becoming entangled with the retrieval lines used by other authorized entrants, or retrieval lines that will not work due to the internal configuration of the permit space.</p>
63.	2.46. J.1.	<p>2.46. J.1. Ceilings are called out as stainless-steel T-frame, T-frame ceilings are always aluminum as the weight of stainless steel is too heavy for this application...existing ceilings at the VA are aluminum T-frames. Round handrails in the passenger cars or flatbar as the spec states for the service cabs?</p>	<p><i>Both of these questions were answered as part of the Addendum #1 package.</i></p>
64.		<p>Spec numbers 2.45/2.37 change verbiage from construct to retain platforms. Platforms meet all requirements needed for forces and loading conditions.</p>	<p>No change will be made.</p>
65.		<p>Confirm confined spaced area and safety requirements for pit and shaft area, retrieval devices required, Rescue Crane</p>	<p>VA to Reply per OSHA requirements: 1926.1211(c)(2) The other end of the retrieval line must be attached to a mechanical device or fixed point outside the permit space in such a manner that rescue can begin as soon as the rescuer becomes aware that rescue is necessary. A mechanical device must be available to retrieve personnel from vertical type permit spaces more than 5 feet (1.52 meters) deep. 1926.1211(c)(3) Equipment that is unsuitable for retrieval must not be used, including, but not limited to, retrieval lines that have a reasonable probability of becoming entangled with the retrieval lines used by other authorized entrants, or retrieval lines that will not work due to the internal configuration of the permit space.</p>
66.	14 21 10 2.42	<p>Are we allowed to provide cladding around existing elevator door frames in lieu of refurbishing.</p>	<p><i>Yes, the existing elevator jambs/frames shall be re-clad as indicated on revised specification section 142110 AND 142410 and drawing sheets AD5.20, AD5.21 and A5.20, A5.21, A5.30 as shown in addendum #2.</i></p>
67.		<p>Can you provide 4th floor live load</p>	<p>No. Existing conditions will need to be</p>

		weight design details to verify point loads for new elevator equipment.	verified.
68.		Confirm interim maintenance of existing elevators. When is the transition from old to new maintenance	Refer to Questions #43
69.		Elevator #3 Can you confirm what the existing loading class as there are no marking currently on the equipment	See Response to Question #44.
70.	14 21 10 2.3	Section 2.3 If we are to reuse the existing wireway were possible will we be required to change out EMT that is under .75" even if being reused?	See response to Question #45.
71.	14 21 10 2.45	Section 2.45 Platforms meet all requirements needed for forces and loading conditions confirm replacement. If replaced confirm the required sub floor thickness and type for the elevator platforms. The specification says design for intended duty although in a setting such as this it is recommended but not required to use 2 layers of 3/4" marine grade plywood. How should we proceed?	See response to Question #48.
72.	14 21 10 2.47	Section 2.47 please confirm that a GAL MOVFR II will meet the intent of the specifications	See response to Question #49.
73.		Card readers confirm which elevators will require card readers	No Card readers will be utilized.
74.		Confirm which elevators will require keyed access. Provide the elevator number and how many floors will need to be switched	Refer to addendum #2
75.		Will the hydraulic elevators require the same elevator monitor?	<i>See Response to Question #51</i>
76.		Will there be a central monitor which shows all elevators?, If so where will it be located in the building?	<i>See Response to Question #51</i>
77.		Drawing AD5.20 Key note #12 metal ladders: Per field measurements most ladders in the elevator pit do not meet current code. Are they to remain or be replaced to meet code?	<i>See Response to Question #54</i>
78.		Drawing AD5.21 Key note #14 Replace counterweight assemblies: Per the drawings the full counterweights are to be replaced but it is not in the specifications. Which	<i>See Response to Question #55</i>

		takes precedence?	
79.		Drawing AD5.22 Key note #1 VS 14 21 10-17 section 2.17 confirm if the elevator contractor is to install new gearless elevator hoist machines for elevator 1-8 or geared traction machines as the specifications and drawings conflict and there is a cost difference.	<i>See Response to Question #57</i>
80.		Drawing A1.00 Elevator Schedule: Can you please confirm the speed of the elevators as some of the stated speeds in the schedule are incorrect per the onsite visit?	See response to Question #58
81.		Confirm the elevator code year we are installing to at the facility as the specification seems to be dated 12-01-2020 and some of the information may be outdated.	The project should be bid per the valid Code at the date as indicated on the specifications (12-02-2020).
82.	14 21 10	Please clarify if a dry or submersible pumping unit is required as the specification is unclear?	See response to Question #52.
83.	14 21 10 3.5	3.5 confirm that all painted surfaces shall receive a new coat of paint including ones which already have a factory coat of paint or just areas where surfaces have been ground or refurbished.	<i>See Response to Question #53</i>
84.		2.17 - Elevator 10 does not need a casing since it is a twin post hydraulic elevator above ground. It is recommended that packing gets replaced in both jacks.	<i>See Response to Question #60</i>
85.		Can the VA provide scope and details for permanent means to get equipment in and out of elevators 4 and 5 machine rooms. Recommendation is installing permanent platforms with handrail along with 42" door min. at exterior wall for machine room equipment access. This adds safety for all personnel and price savings for future projects and repairs.	<i>See Response to Question #61</i>
86.		Drawing AD5.21 Key note #15 Replacement of the rails on elevators 7&8: During the walkthrough it was discussed by all parties that there might be a revision to the specification to only replace the bottom rail in the car and	<i>See Response to Question #47</i>

		counterweight stack since that was the only pieces affected by water. Will the specification be revised to include the bottom rail only? Please note removal of the rails will require the entire elevator to be disassembled and removed from the shaft and require and extended downtime	
87.	Spec 2.43a	<p>1. In the spec 2.43 A for Elevators 7 and 8 it is said to remove and replace both CWT and car rails. It is highly recommended to leave the rails and only replace the rusty rails. Suggestions:</p> <ol style="list-style-type: none"> a. Replace starter rail (bottom rail) for CWT and car. b. Cut out bottom section and weld in new piece c. Sand rusty section and repaint 	<i>See Response to Question #47</i>
88.	2.17	Elevator 10 does not need a casing since it is a twin post hydraulic elevator above ground. It is recommended that packing gets replaced in both jacks. Please advise.	<i>See Response to Question #60</i>
89.		Can the VA add verbiage for a permanent means to get equipment in and out of elevators 4 and 5 machine rooms. Recommendation is installing permanent platforms with handrail along with 42" door min. for machine room equipment access. This adds safety for all personnel and price savings for future projects and repairs. Please advise	<i>See Response to Question #61</i>
90.		Do we need a rescue crane to access the pit?	<p>VA to Reply per OSHA requirements: 1926.1211(c)(2)</p> <p>The other end of the retrieval line must be attached to a mechanical device or fixed point outside the permit space in such a manner that rescue can begin as soon as the rescuer becomes aware that rescue is necessary. A mechanical device must be available to retrieve personnel from vertical type permit spaces more than 5 feet (1.52 meters) deep.</p> <p>1926.1211(c)(3)</p>

			Equipment that is unsuitable for retrieval must not be used, including, but not limited to, retrieval lines that have a reasonable probability of becoming entangled with the retrieval lines used by other authorized entrants, or retrieval lines that will not work due to the internal configuration of the permit space.
91.	2.46J.1.	Ceilings are called out as stainless-steel T-frame, T-frame ceilings are always aluminum as the weight of stainless steel is too heavy for this application...existing ceilings at the VA are aluminum T-frames. Round handrails in the passenger cars or flatbar as the spec states for the service cabs?	See Response to Question #63.
92.	2.45/2.37	1. Can the VA change verbiage from construct to retain platforms. Platforms meet all requirements needed for forces and loading conditions. Please advise.	See Response to Question #64
93.	Drawing A5.30 Keynote 10	When wall finishes need to be replaced/repared, will it be acceptable to paint instead of wallpaper, or does VA have leftover stock on wallpaper? If new wallpaper needed, please provide spec of existing.	VA Will provide matching wallcovering stock if they have it available. If matching wall covering is not available, then matching painting will be required.
94.		Are victaulic fittings allowed?	Yes
95.		Are all sheaves/deflector sheaves to be replaced?	Yes, per 2.18 in section 14 21 10.
96.		Do we need the retrieval device, which is not industry standard?	VA to Reply per OSHA requirements: 1926.1211(c)(2) The other end of the retrieval line must be attached to a mechanical device or fixed point outside the permit space in such a manner that rescue can begin as soon as the rescuer becomes aware that rescue is necessary. A mechanical device must be available to retrieve personnel from vertical type permit spaces more than 5 feet (1.52 meters) deep. 1926.1211(c)(3) Equipment that is unsuitable for retrieval must not be used, including, but not limited to, retrieval lines that have a reasonable probability of becoming

			entangled with the retrieval lines used by other authorized entrants, or retrieval lines that will not work due to the internal configuration of the permit space.
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Fargo VAMC – Refurbish Elevators and Replace Controls

Fargo, North Dakota
Project #19-2481

February 9, 2024

ADDENDUM NO. 1

The following becomes a part of the original Plans and Specifications, just as if printed and bound therein, and takes precedence over any items that may conflict. The bidder shall acknowledge receipt of this Addendum on his bid form, incorporating its provisions in his bid.

SPECIFICATIONS:

1. Section 21 13 13 1.5 Quality Assurance – A: Wet-Pipe Sprinkler Systems – Remove reference to 'Oklahoma' and replace with 'North Dakota'.
 - a. See attached revised Specification Section 21 13 13 Wet-Pipe Sprinkler Systems.

CHANGES AND CLARIFICATIONS TO DRAWINGS:

ARCHITECTURAL

Drawing Sheet AD5.21 ENLARGED PLANS - DEMOLITION – See revised drawing sheet for the inclusion of additional floor demo to support the installation of underfloor plumbing at Elevator #10.

Drawing Sheet A5.21 ENLARGED PLANS – See revised drawing sheet for the inclusion of additional floor repair to support the installation of underfloor plumbing at Elevator #10.

PLUMBING

Drawing Sheet P0.00 PLUMBING ABBREVIATIONS, SYMBOLS, LEGENDS AND GENERAL NOTES – See revised drawing sheet for removal of epoxy coated steel requirement.

PLAN HOLDERS:

Provided by Fargo VAMC

END OF ADDENDUM NO. 1

SECTION 21 13 13
WET-PIPE SPRINKLER SYSTEMS

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Design, installation, and testing shall be in accordance with NFPA 13, 2019 Edition. See Section 1.6.B for additional standards.
- B. Modification of the existing sprinkler systems serving existing elevator pits, shafts and penthouses as indicated on the drawings and as further required by these specifications.

1.2 RELATED WORK

- A. Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES
- B.
- C. Section 07 84 00, FIRESTOPPING
- D.
- E. Section 28 31 00, FIRE DETECTION AND ALARM.

1.3 DESIGN CRITERIA

- A. Design Basis Information: Provide design, materials, equipment, installation, inspection, and testing of the automatic sprinkler system in accordance with the requirements of NFPA 13.
- B. Sprinkler Protection: Sprinkler hazard classifications shall be in accordance with NFPA 13. The office space and circulation space shall be classified as a light hazard occupancy. The hazard classification examples of uses and conditions identified in the Annex of NFPA 13 shall be mandatory for areas not listed below. Request clarification from the Government for any hazard classification not identified.
- C. Hydraulic Calculations: Calculated demand including hose stream requirements shall fall no less than 10 percent below the available water supply curve.
- D. Zoning: For each sprinkler zone confirm an existing control valve, flow switch, and test and drain assembly with pressure gauge. For buildings greater than two stories, confirm a check valve at each control valve.

1.4 SUBMITTALS

- A. Submit as one package in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES. Prepare detailed working drawings that are signed by a NICET Level III or Level IV Sprinkler Technician

or stamped by a Registered Professional Engineer licensed in the field of Fire Protection Engineering. As the Government review is for technical adequacy only, the installer remains responsible for correcting any conflicts with other trades and building construction that arise during installation. Partial submittals will not be accepted. Material submittals shall be approved prior to the purchase or delivery to the job site. Suitably bind submittals in notebooks or binders and provide an index referencing the appropriate specification section. In addition to the hard copies, provide submittal items in Paragraphs 1.4(A)1 through 1.4(A)5 electronically in pdf format on a compact disc or as directed by the COR. Submittals shall include, but not be limited to, the following:

1. Qualifications:

- a. Provide a copy of the installing contractors Oklahoma state contractor's license.
- b. Provide a copy of the NICET certification for the NICET Level III or Level IV Sprinkler Technician who prepared and signed the detailed working drawings unless the drawings are stamped by a Registered Professional Engineer licensed in the field of Fire Protection Engineering.
- c. Provide documentation showing that the installer has been actively and successfully engaged in the installation of commercial automatic sprinkler systems for the past ten years.

2. Drawings: Submit detailed 1:100 (1/8 inch) scale (minimum) working drawings conforming to the Plans and Calculations chapter of NFPA 13. Drawings shall include graphical scales that allow the user to determine lengths when the drawings are reduced in size. Include a plan showing the piping to the water supply test location.

3. Manufacturer's Data Sheets: Provide data sheets for all materials and equipment proposed for use on the system. Include listing information and installation instructions in data sheets. Where data sheets describe items in addition to those proposed to be used for the system, clearly identify the proposed items on the sheet.

4. Calculation Sheets:

Submit hydraulic calculation when required on sheets in tabular form conforming to the requirements and recommendations of the Plans and Calculations chapter of NFPA 13.

5. Valve Charts: Provide a valve chart that identifies the location of each control valve. Coordinate nomenclature and identification of control valves with COR. Where existing nomenclature does not exist, the chart shall include no less than the following: Tag ID No., Valve Size, Service (control valve, main drain, aux. drain, inspectors test valve, etc.), and Location.
6. Final Document Submittals: Provide as-built drawings, testing and maintenance instructions in accordance with the requirements in Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES. In addition, submittals shall include, but not be limited to, the following:
 - a. A complete set of as-built drawings showing the installed system with the specific interconnections between the system switches and the fire alarm equipment. Provide a complete set in the formats as follows. Submit items 2 and 3 below on a compact disc or as directed by the COR.
 - 1) One full size (or size as directed by the COR) printed copy.
 - 2) One complete set in electronic pdf format.
 - 3) One complete set in AutoCAD format or a format as directed by the COR.
 - b. Material and Testing Certificate: Upon completion of the sprinkler system installation or any partial section of the system, including testing and flushing, provide a copy of a completed Material and Testing Certificate as indicated in NFPA 13. Certificates shall be provided to document all parts of the installation.
 - c. Operations and Maintenance Manuals that include step-by-step procedures required for system startup, operation, shutdown, and routine maintenance and testing. The manuals shall include the manufacturer's name, model number, parts list, and tools that should be kept in stock by the owner for routine maintenance, including the name of a local supplier, simplified wiring and controls diagrams, troubleshooting guide, and recommended service organization, including address and telephone number, for each item of equipment.
 - d. One paper copy of the Material and Testing Certificates and the Operations and Maintenance Manuals above shall be provided in a

binder. In addition, these materials shall be provided in pdf format on a compact disc or as directed by the COR.

- e. Provide one additional copy of the Operations and Maintenance Manual covering the system in a flexible protective cover and mount in an accessible location adjacent to the riser or as directed by the COR.

1.5 QUALITY ASSURANCE

A. Installer Reliability: The installer shall possess a valid State of North Dakota contractor's license. The installer shall have been actively and successfully engaged in the installation of commercial automatic sprinkler systems for the past ten years.

B. Materials and Equipment: All equipment and devices shall be of a make and type listed by UL or approved by FM, or other nationally recognized testing laboratory for the specific purpose for which it is used. All materials, devices, and equipment shall be approved by the VA. All materials and equipment shall be free from defect. All materials and equipment shall be new unless specifically indicated otherwise on the contract drawings.

1.6 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. National Fire Protection Association (NFPA):
 - 13-19.....Installation of Sprinkler Systems
 - 25-20.....Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
 - 101-21.....Life Safety Code
 - 170-21.....Fire Safety Symbols

PART 2 - PRODUCTS

2.1 PIPING & FITTINGS

- A. Piping and fittings for sprinkler systems shall be in accordance with NFPA 13.
 - 1. Plain-end pipe fittings with locking lugs or shear bolts are not permitted.
 - 2. Piping 2 inches and smaller shall be black steel Schedule 40 with threaded end connections.

3. Piping sizes 2 ½ inches and larger shall be black steel Schedule 10 with grooved connections. Grooves in Schedule 10 piping shall be rolled grooved only.
4. Plastic piping shall not be permitted except for drain piping.
5. Flexible sprinkler hose shall be FM Approved and limited to hose with threaded end fittings with a minimum inside diameter of 1-inch and a maximum length of 6-feet.

2.2 VALVES

- A. General:
 1. Valves shall be in accordance with NFPA 13.
 2. Do not use quarter turn ball valves for 2 inch or larger drain valves.
- B. Control Valve: The control valves shall be a listed indicating type. Control valves shall be UL Listed or FM Approved for fire protection installations. System control valves shall be rated for normal system pressure but in no case less than 175 PSI.
- C. Check Valve: Shall be of the swing type with a flanged cast iron body and flanged inspection plate.

2.3 SPRINKLERS

- A. All sprinklers shall be FM approved quick response.
- B. Provide sprinkler guards in accordance with NFPA 13 and when the elevation of the sprinkler head is less than 7 feet 6 inches above finished floor. The sprinkler guard shall be UL listed or FM approved for use with the corresponding sprinkler.

2.4 SPRINKLER CABINET

- A. Update existing sprinkler cabinet with the required number of sprinkler heads of all ratings and types installed, and a sprinkler wrench for each type of sprinkler in accordance with NFPA 13.
- B. Provide a list of sprinklers installed in the area of work in the cabinet. The list shall include the following:
 1. Manufacturer, model, orifice, deflector type, thermal sensitivity, and pressure for each type of sprinkler in the cabinet.
 2. General description of where each sprinkler is used.
 3. Quantity of each type present in the cabinet.
 4. Issue or revision date of list.

2.5 SPRINKLER SYSTEM SIGNAGE

Rigid plastic, steel or aluminum signs with white lettering on a red background with holes for easy attachment. Sprinkler system signage shall be attached to the valve or piping with chain.

2.6 SWITCHES:

- A. Water flow Alarm Switches: Confirm existing is mechanical, non-coded, non-accumulative retard and adjustable from 0 to 60 seconds minimum. Set flow switches at an initial setting between 20 and 30 seconds.
- B. Valve Supervisory Switches for Ball and Butterfly Valves: May be integral with the valve.

2.7 GAUGES

Provide gauges as required by NFPA 13. Provide gauges where the normal pressure of the system is at the midrange of the gauge.

2.8 PIPE HANGERS, SUPPORTS AND RESTRAINT OF SYSTEM PIPING

Pipe hangers, supports, and restraint of system piping shall be in accordance with NFPA 13.

2.9 WALL, FLOOR AND CEILING PLATES

Provide chrome plated steel escutcheon plates.

2.10 VALVE TAGS

Engraved black filled numbers and letters not less than 1/2 inch high for number designation, and not less than 1/4 inch for service designation on 19 gage, 1-1/2 inches round brass disc, attached with brass "S" hook, brass chain, or permanent nylon tie wraps.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Installation shall be accomplished by the licensed contractor. Provide a qualified technician, experienced in the installation and operation of the type of system being installed, to supervise the installation and testing of the system.
- B. Installation of Piping: Accurately cut pipe to measurements established by the installer and work into place without springing or forcing. In any situation where bending of the pipe is required, use a standard pipe-bending template. Conceal piping in spaces that have finished ceilings. In stairways, locate piping as near to the ceiling as possible to prevent tampering by unauthorized personnel and to provide a minimum headroom clearance of seven feet six inches. Piping shall not obstruct the minimum means of egress clearances required by NFPA 101.

Pipe hangers, supports, and restraint of system piping, shall be installed in accordance with NFPA 13.

- C. Welding: Conform to the requirements and recommendations of NFPA 13.
- D. Drains: Provide drips and drains, including low point drains, in accordance with NFPA 13. Pipe drains to discharge at safe points outside of the building or to sight cones attached to drains of adequate size to readily carry the full flow from each drain under maximum pressure. Do not provide a direct drain connection to sewer system or discharge into sinks. Install drips and drains where necessary and required by NFPA 13. The drain piping shall not be restricted or reduced and shall be of the same diameter as the drain collector.
- E. Supervisory Switches: Confirm supervisory switches are provided for all sprinkler control valves.
- F. Waterflow Alarm Switches: Confirm existing waterflow alarm switches are provided on the existing sprinkler riser for the second floor.
- G. Inspector's Test Connection: Confirm existing in accordance with NFPA 13, located in a secured area, and discharged to the exterior of the building.
- H. Affix cutout disks, which are created by cutting holes in the walls of pipe for flow switches and non-threaded pipe connections to the respective waterflow switch or pipe connection near to the pipe from where they were cut.
- I. Provide escutcheon plates for exposed piping passing through walls, floors or ceilings.
- J. Sleeves: Provide for pipes passing through masonry or concrete. Provide space between the pipe and the sleeve in accordance with NFPA 13. Seal this space with a UL Listed through penetration fire stop material in accordance with Section 07 84 00, FIRESTOPPING. Where core drilling is used in lieu of sleeves, also seal space. Seal penetrations of walls, floors and ceilings of other types of construction, in accordance with Section 07 84 00, FIRESTOPPING.
- K. Firestopping shall be provided for all penetrations of fire resistance rated construction. Firestopping shall comply with Section 07 84 00, FIRESTOPPING.
- L. Any non-factory painted sprinkler shall be replaced with a new sprinkler.

M. Sprinkler System Signage: Provide rigid sprinkler system signage in accordance with NFPA 13 and NFPA 25. Sprinkler system signage shall include, but not limited to, the following:

1. Identification Signs:

- a. Provide signage for each control valve, drain valve, sprinkler cabinet, and inspector's test valve.
- b. Provide valve tags for each operable valve. Coordinate nomenclature and identification of operable valves with COR. Where existing nomenclature does not exist, the Tag Identification shall include no less than the following: (FP-B-F/SZ-#) Fire Protection, Building Number, Floor Number/Smoke Zone (if applicable), and Valve Number. (E.g., FP-500-1E-001) Fire Protection, Building 500, First Floor East, Number 001.)

2. Instruction/Information Signs:

- a. Provide signage for each control valve to indicate valve function and to indicate what system is being controlled.
- b. Provide signage indicating the number and location of low point drains.

3. Hydraulic Placards (when required):

- a. Provide signage indicating hydraulic design information. The placard shall include:
 - (1) Location of the design area or areas
 - (2) Size (area) of or number of sprinklers in the design area
 - (3) Discharge densities over the design area or areas
 - (4) Required flow and residual pressure demand at the base of the riser or fire pump where applicable
 - (5) Occupancy classification or commodity classification and maximum permitted storage height and configuration
 - (6) Hose stream allowance included in addition to the sprinkler demand
 - (7) Name of the installing contractor.
- b. Locate hydraulic placard information signs at the sprinkler riser main control valve.

N. Repairs: Repair damage to the building or equipment resulting from the installation of the sprinkler system by the installer at no additional expense to the Government.

- O. Interruption of Service: There shall be no interruption of the existing sprinkler protection, water, electric, or fire alarm services without prior permission of the Contracting Officer. Contractor shall develop an interim fire protection program where interruptions involve occupied spaces. Request in writing at least one week prior to the planned interruption.

3.2 INSPECTION AND TEST

- A. Preliminary Testing: Flush newly installed systems prior to performing hydrostatic tests in order to remove any debris which may have been left as well as ensuring piping is unobstructed. Hydrostatically test system, including the fire department connections, as specified in NFPA 13, in the presence of the Contracting Officers Representative (COR) or his designated representative. Test and flush underground water line prior to performing these hydrostatic tests.
- B. Final Inspection and Testing: Subject system to tests in accordance with NFPA 13, and when all necessary corrections have been accomplished, advise COR to schedule a final inspection and test. Connection to the fire alarm system shall have been in service for at least ten days prior to the final inspection, with adjustments made to prevent false alarms. Furnish all instruments, labor and materials required for the tests and provide the services of the installation foreman or other competent representative of the installer to perform the tests. Correct deficiencies and retest system as necessary, prior to the final acceptance. Include the operation of all features of the systems under normal operations in test

3.3 INSTRUCTIONS

Furnish the services of a competent instructor for not less than two hours for instructing personnel in the operation and maintenance of the system, on the dates requested by the COR.

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GENERAL NOTES:

1. SHEET SIZE FOR PROPER SCALE IS 30"x42". CONTRACTOR SHALL NOT SCALE DRAWINGS BUT REQUEST THE DESIRED DIMENSIONS FROM THE CONTRACTING OFFICER REPRESENTATIVE.
2. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND TAKE PRECAUTIONARY MEASURES TO PROTECT AND MAINTAIN THEIR FUNCTION THROUGHOUT CONSTRUCTION.
3. ALL EXISTING UTILITIES AFFECTED BY THE SCOPE OF THIS WORK SHALL BE PATCHED AND/OR PAINTED AS REQUIRED TO MATCH THE EXISTING CONDITIONS. PAINTING SHALL BE CARRIED BACK TO THE NEAREST CORNER, CEILING, DOOR FRAME, ETC.
4. ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF ALL APPLICABLE BUILDING CODES AND ALL VA STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLY WITH SUCH CODES, STANDARDS AND REGULATIONS.
5. ELEVATOR SHAFTS CANNOT BE LEFT UNPROTECTED (OPEN) AT THE END OF ANY DAY. IF WORK WILL COMPROMISE THE FIRE RESISTANCE OF THE SHAFT, COORDINATE AND VERIFY 2-HOUR RATING FIRE/SMOKE RATED PARTITIONS ARE REQUIRED. CONTRACTOR SHALL PROTECT ADJACENT ROOMS FROM DAMAGE DURING CONSTRUCTION. REPAIR ANY DAMAGED ITEMS AND ASSEMBLIES TO PRE-PROJECT CONDITION IF DAMAGED DURING CONSTRUCTION.
6. SEE MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
7. THE WORK SHALL BE COMPLETED IN A MANNER TO AVOID DISRUPTION OF PATIENT AND/OR STAFF ACCESS TO THE ELEVATORS FROM ANY LOBBY/FLOOR. THE VAMC WILL BE FULLY OCCUPIED AND OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT.
8. CONTRACTOR SHALL FULLY COORDINATE PHASING AND SCHEDULES WITH THE CONTRACTING OFFICER PRIOR TO BEGINNING WORK.
9. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE COR IN ADVANCE. THE COR SHALL BE GIVEN ADVANCE NOTICE FOR ALL SITE VISITS BY THE CONTRACTOR AND THEIR SUBCONTRACTORS.
10. CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING DOORS AS REQUIRED FOR REMOVAL AND INSTALLATION OF NEW ELEVATOR EQUIPMENT.

KEYNOTES: #

1. REMOVE AND DISPOSE OF EXISTING HOISTWAY DC MOTOR AND PREPARE EXISTING MOUNTING LOCATION AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE NEW AC GEARLESS HOISTWAY MOTOR.
2. REMOVE AND DISPOSE OF EXISTING ELEVATOR CONTROLLER AND ASSOCIATED RACEWAY.
3. REMOVE AND DISPOSE OF EXISTING ELECTRICAL ISOLATION TRANSFORMER.
4. PROTECT AND MAINTAIN EXISTING AIR HANDLER AND ALL ASSOCIATED ELECTRICAL.
5. CAREFULLY REMOVE EXISTING RAILING AS REQUIRED FOR REMOVAL AND REPLACEMENT OF HOISTWAY MOTORS. REINSTALL TO MATCH CURRENT CONDITION.
6. PROTECT AND MAINTAIN EXISTING SEALED CONCRETE FLOORS THROUGHOUT THE PROJECT. FLOORS SHALL MATCH CURRENT CONDITION UPON COMPLETION.
7. EXISTING FLOOR HATCH.
8. NOT USED.
9. EXISTING CONCRETE COLUMN.
10. REMOVE AND DISPOSE OF EXISTING GOVERNOR.
11. REMOVE AND DISPOSE OF EXISTING HYDROLIC PUMP ASSEMBLY. SEE MEP DRAWINGS FOR FURTHER DETAIL.
12. REMOVE AND DISPOSE OF EXISTING HYDROLIC ELEVATOR CONTROLLER. SEE MEP DRAWINGS FOR FURTHER DETAIL.
13. REMOVE EXISTING PAINTED GYPSUM BOARD CEILING TO THE EXTENT SHOWN ON DRAWINGS.
14. CONTRACTOR TO SAWCUT AND REMOVE EXISTING FLOOR SLAB AS REQUIRED FOR THE PLUMBER TO INSTALL UNDERSLAB DRAINAGE LINE. SEE MECH.
15. EXISTING WALL SURFACE WILL BE REMOVED PER THE ASBESTOS ABATEMENT PLAN ON DRAWING SHEET HA101.

FIRE BARRIER LEGEND

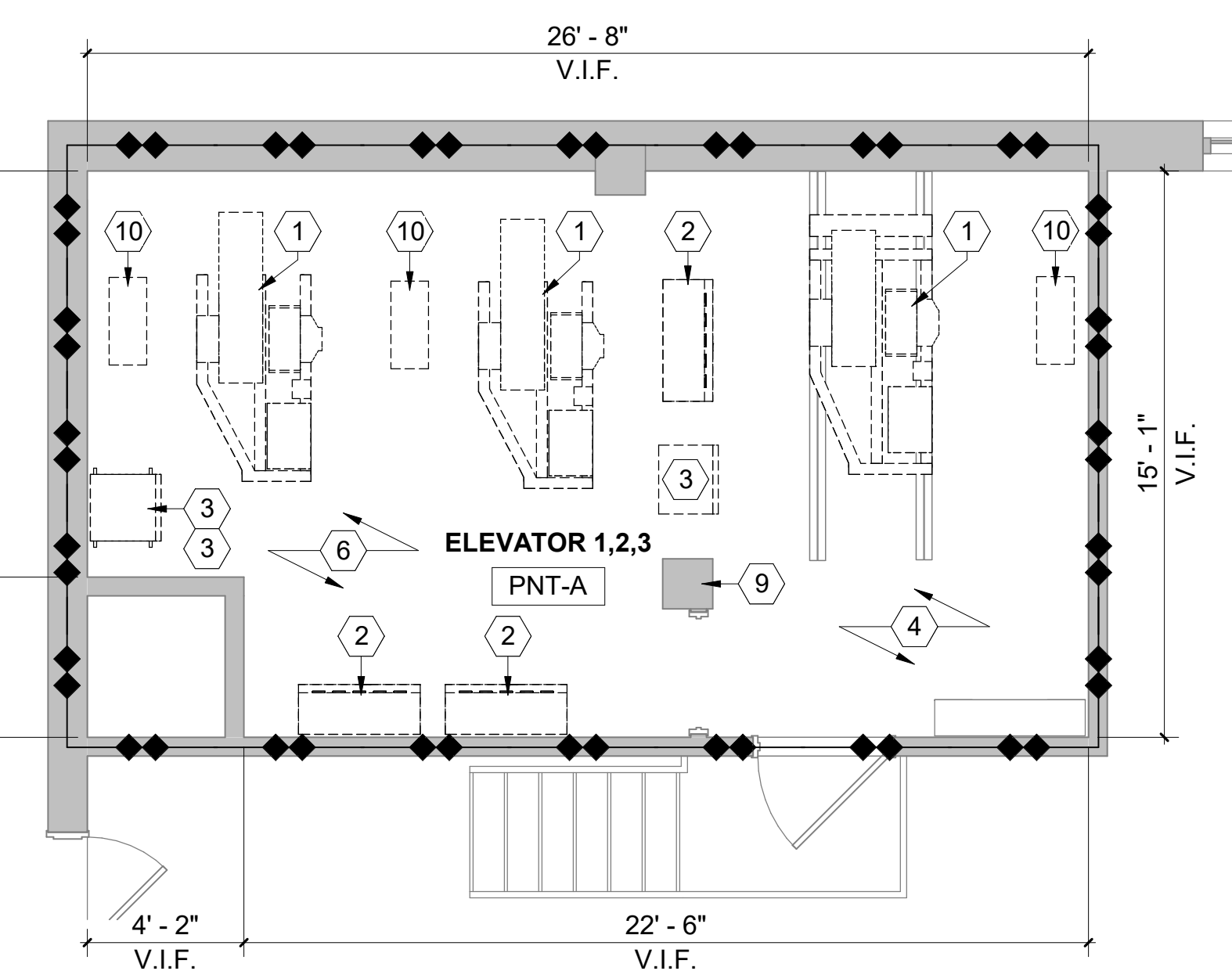
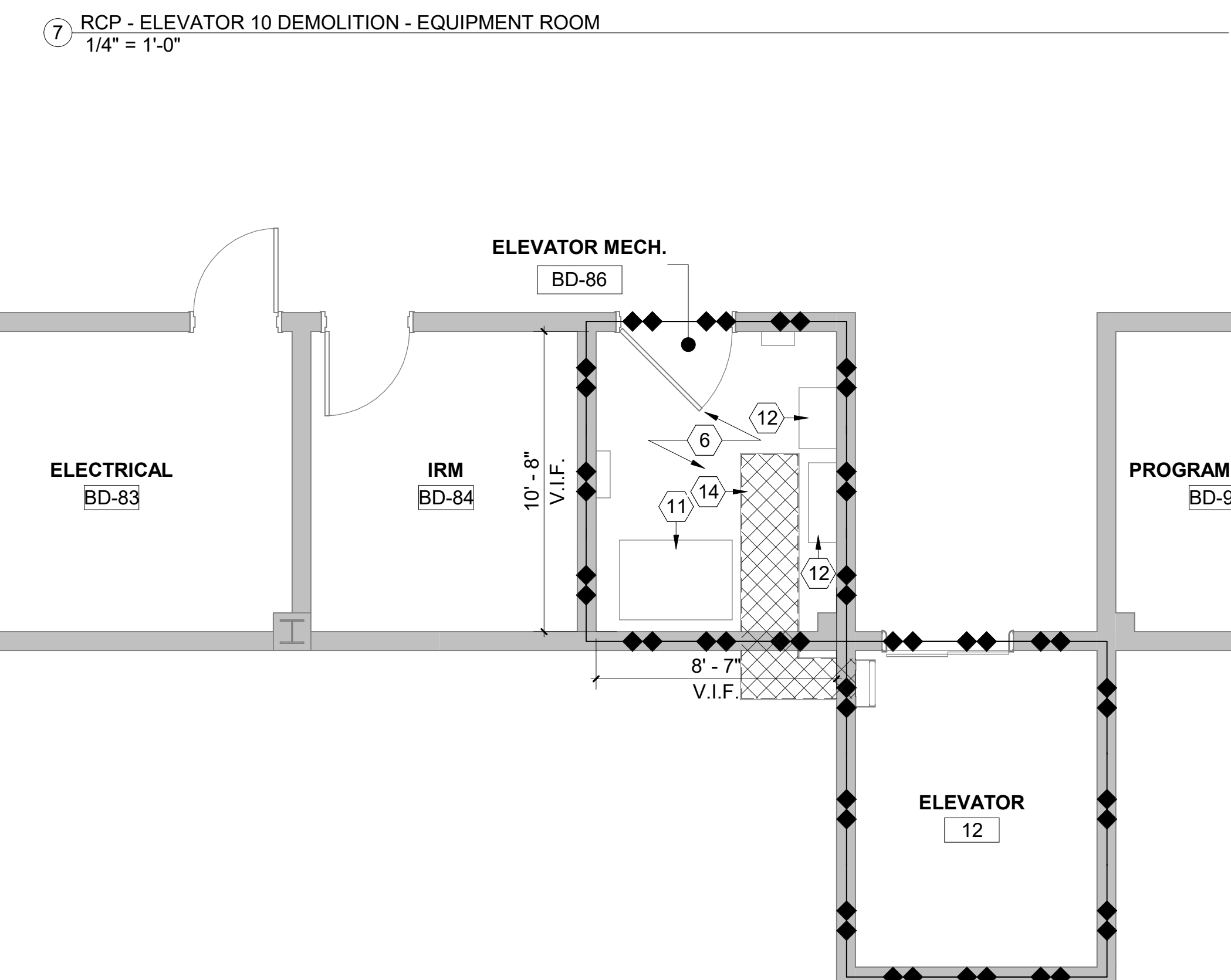
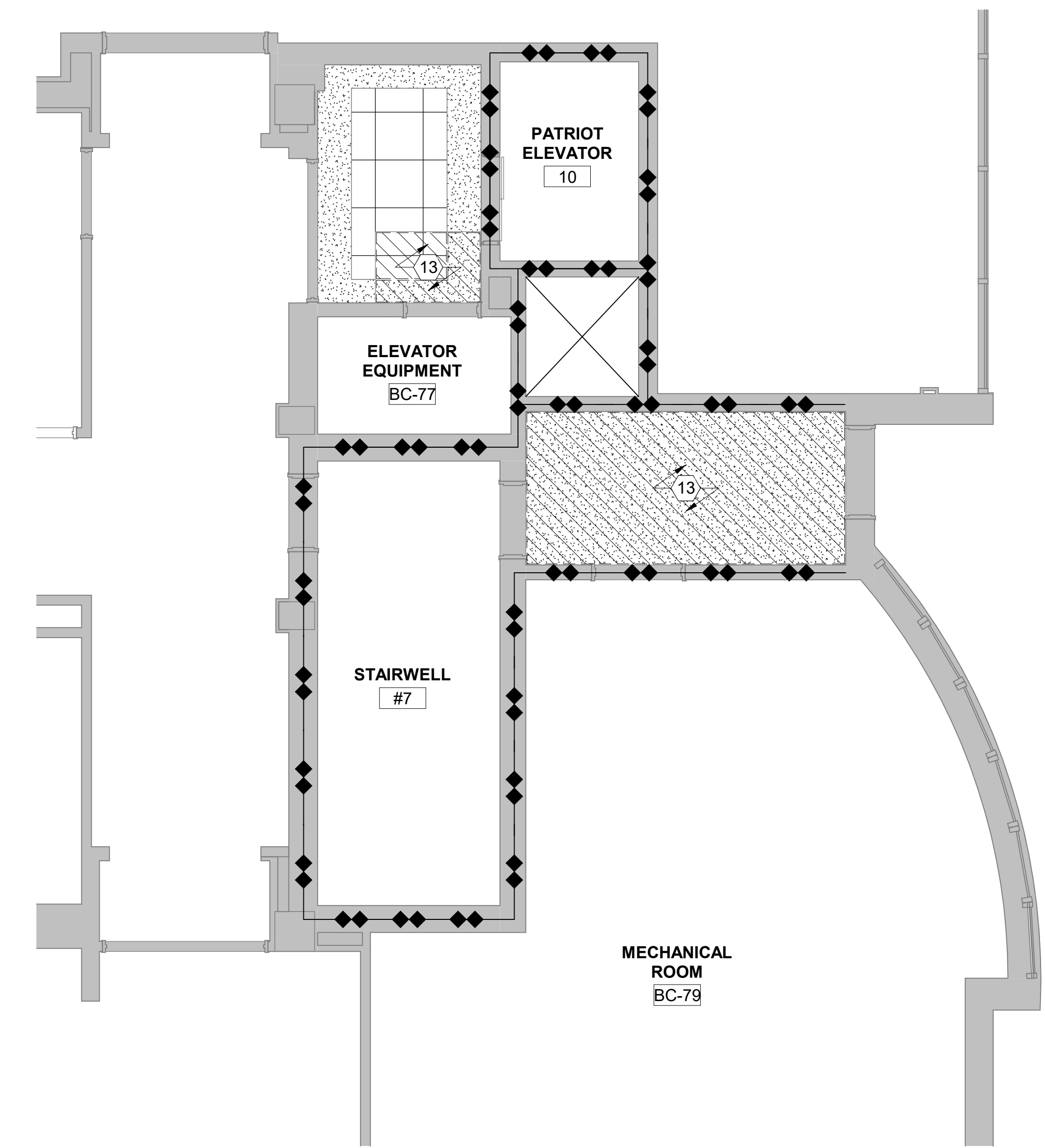
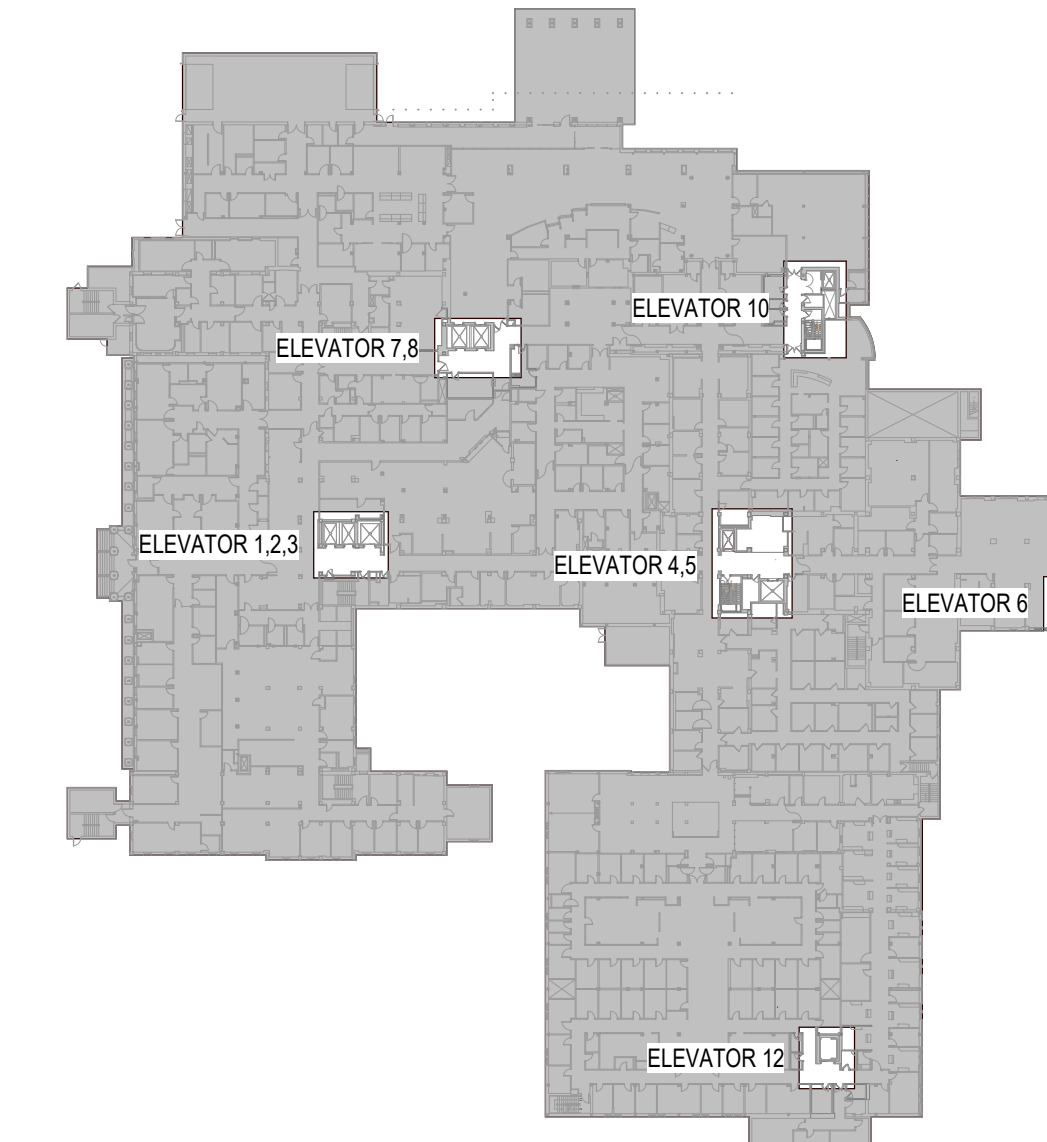
EXISTING 2 HOUR FIRE RATED PARTITION

DEMOLITION LEGEND

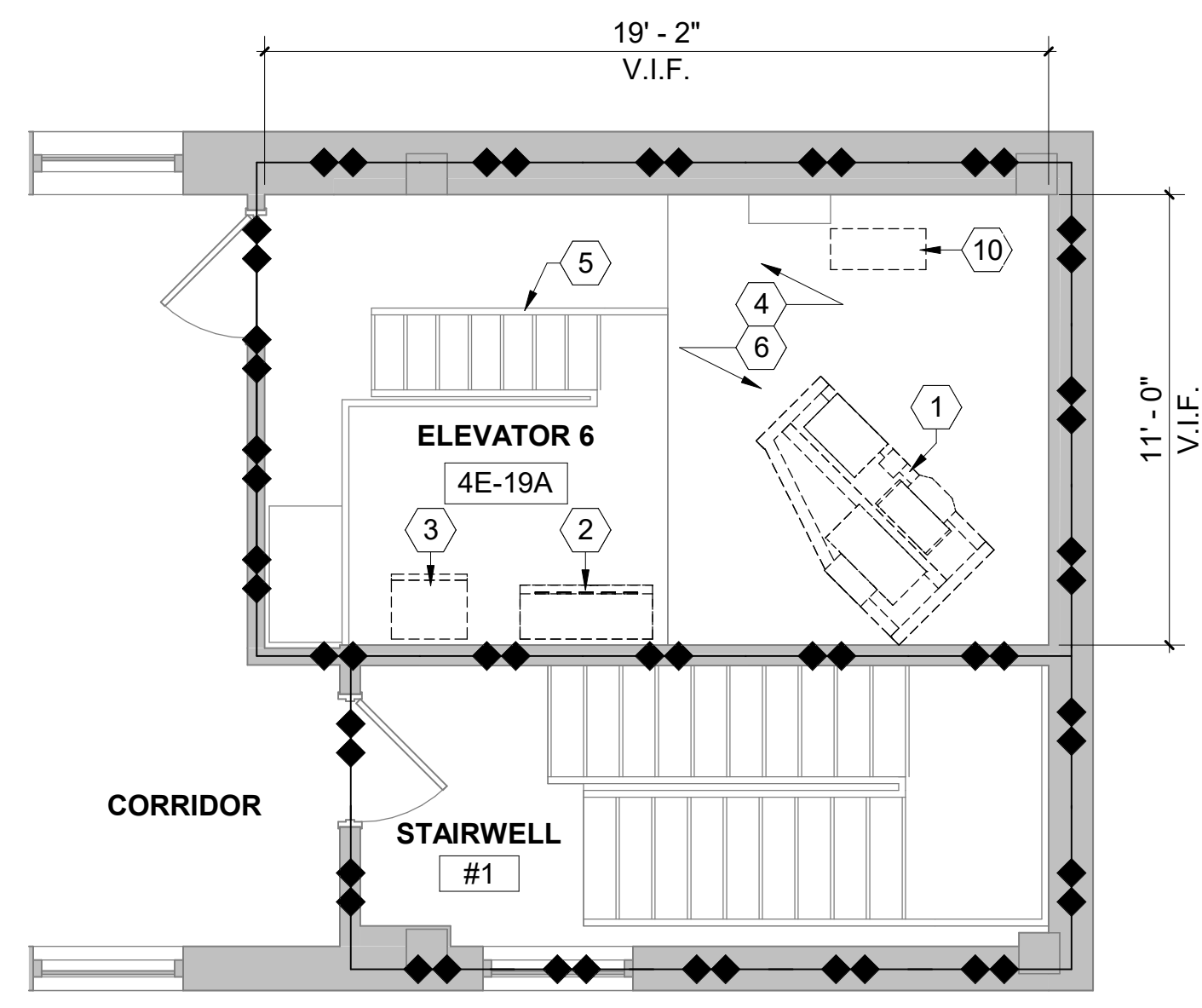
SCOPE OF CEILING DEMOLITION WORK ASSOCIATED WITH NEW ABOVE CEILING PIPING. SEE MECHANICAL DRAWINGS.

SCOPE OF FLOOR DEMOLITION WORK ASSOCIATED WITH NEW FLOOR PIPING. SEE MECHANICAL DRAWINGS.

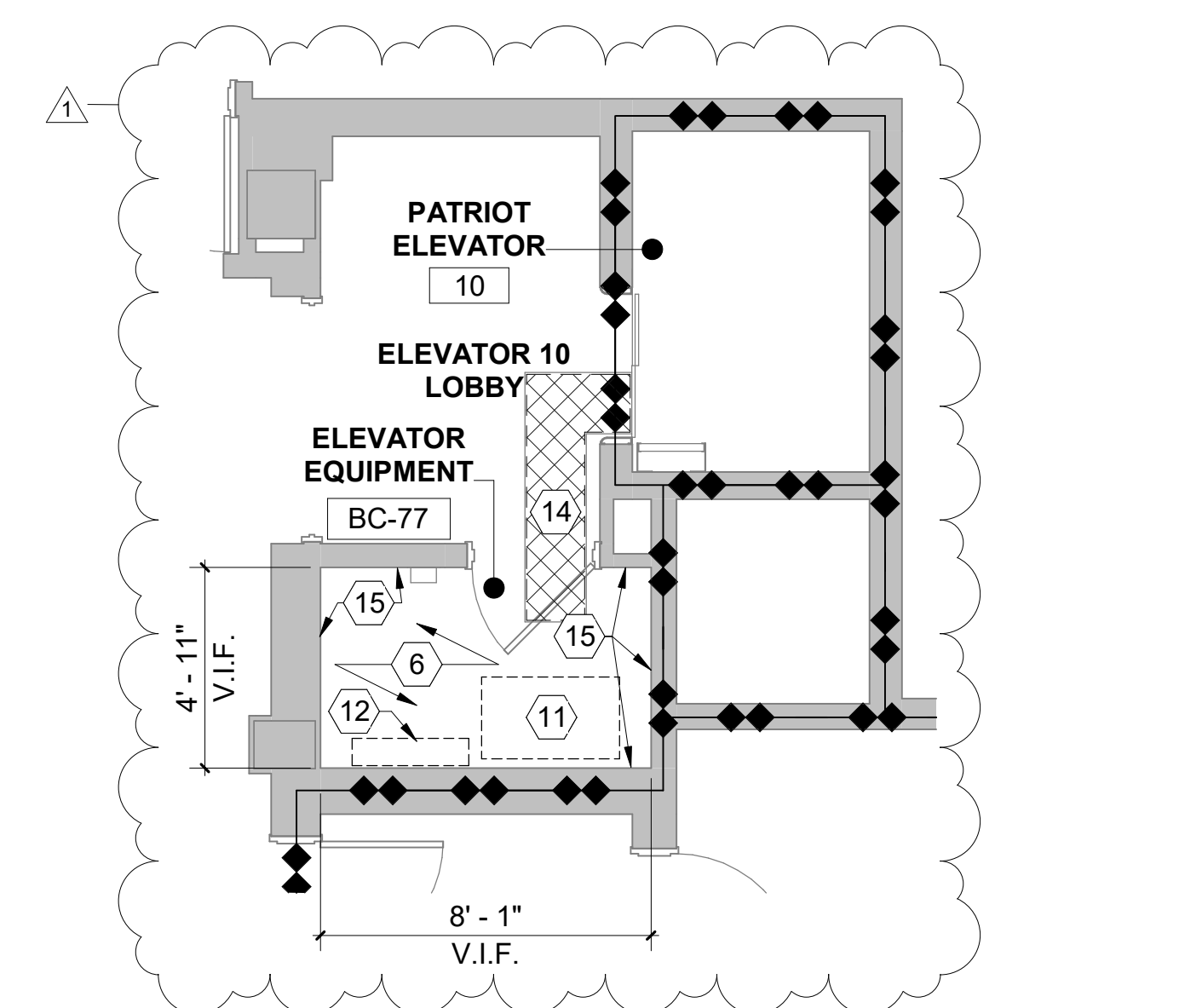
KEY PLAN



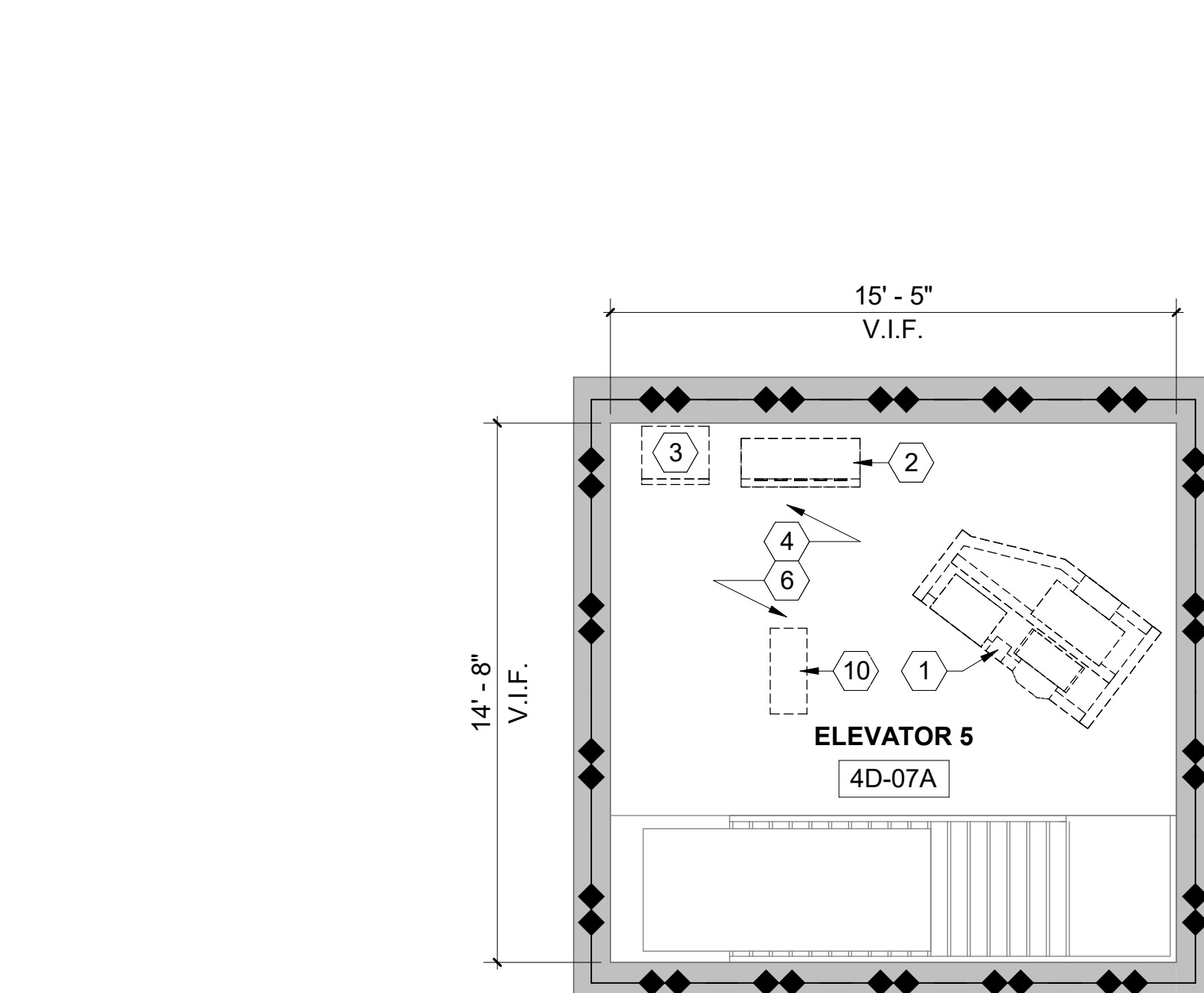
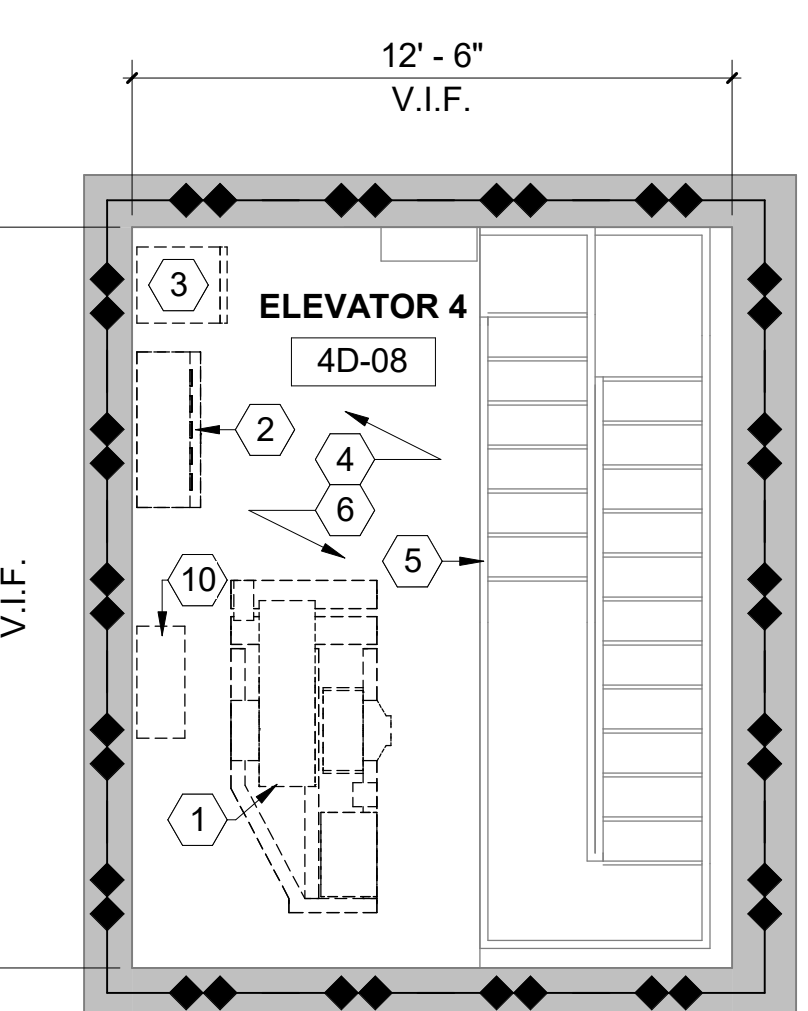
2 FLOOR PLAN - LIBERTY 1,2,3 - PENTHOUSE DEMOLITION
1/4" = 1'-0"



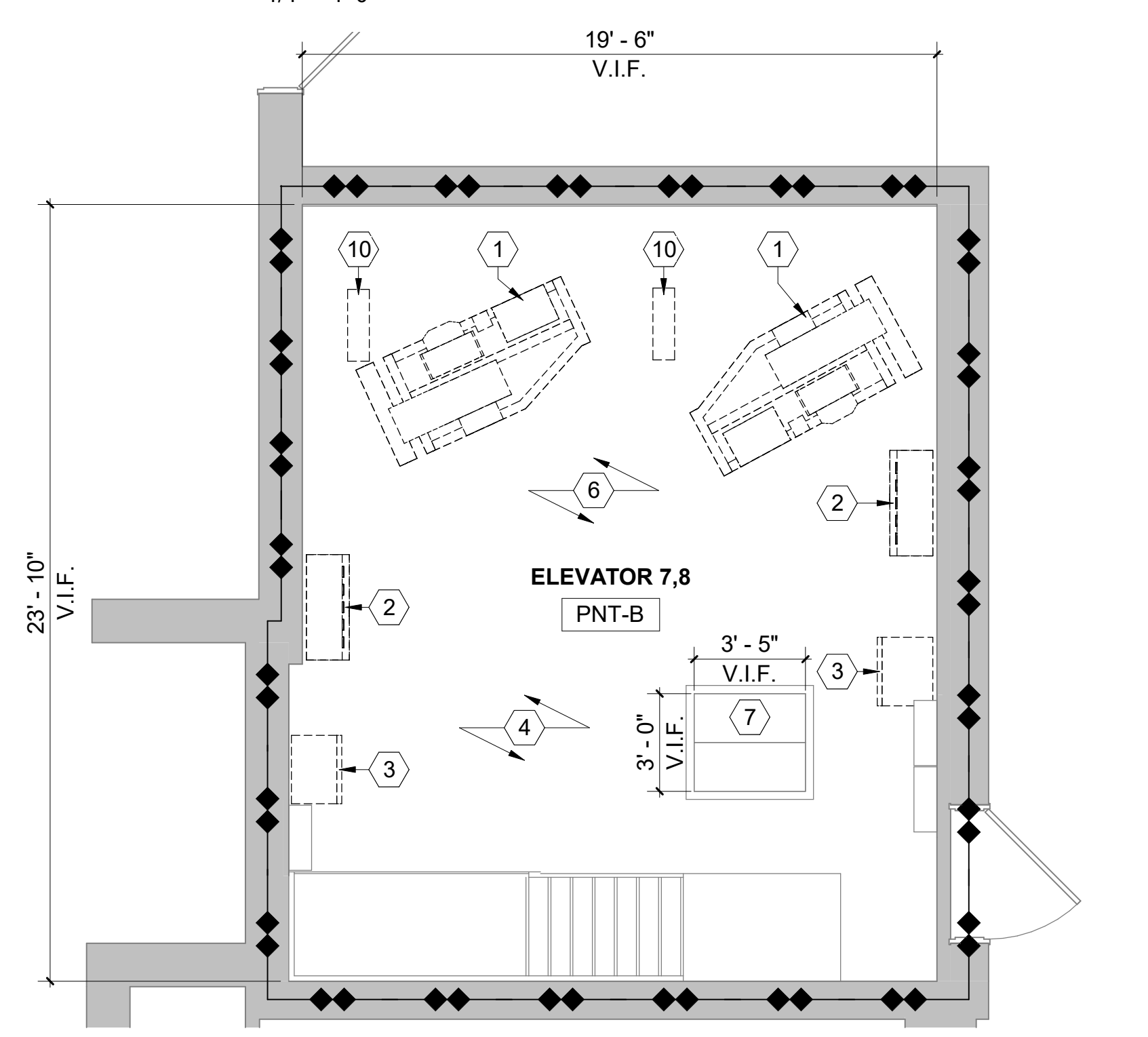
1 FLOOR PLAN - ELEVATOR 6 DEMOLITION - PENTHOUSE - TYPICAL
1/4" = 1'-0"



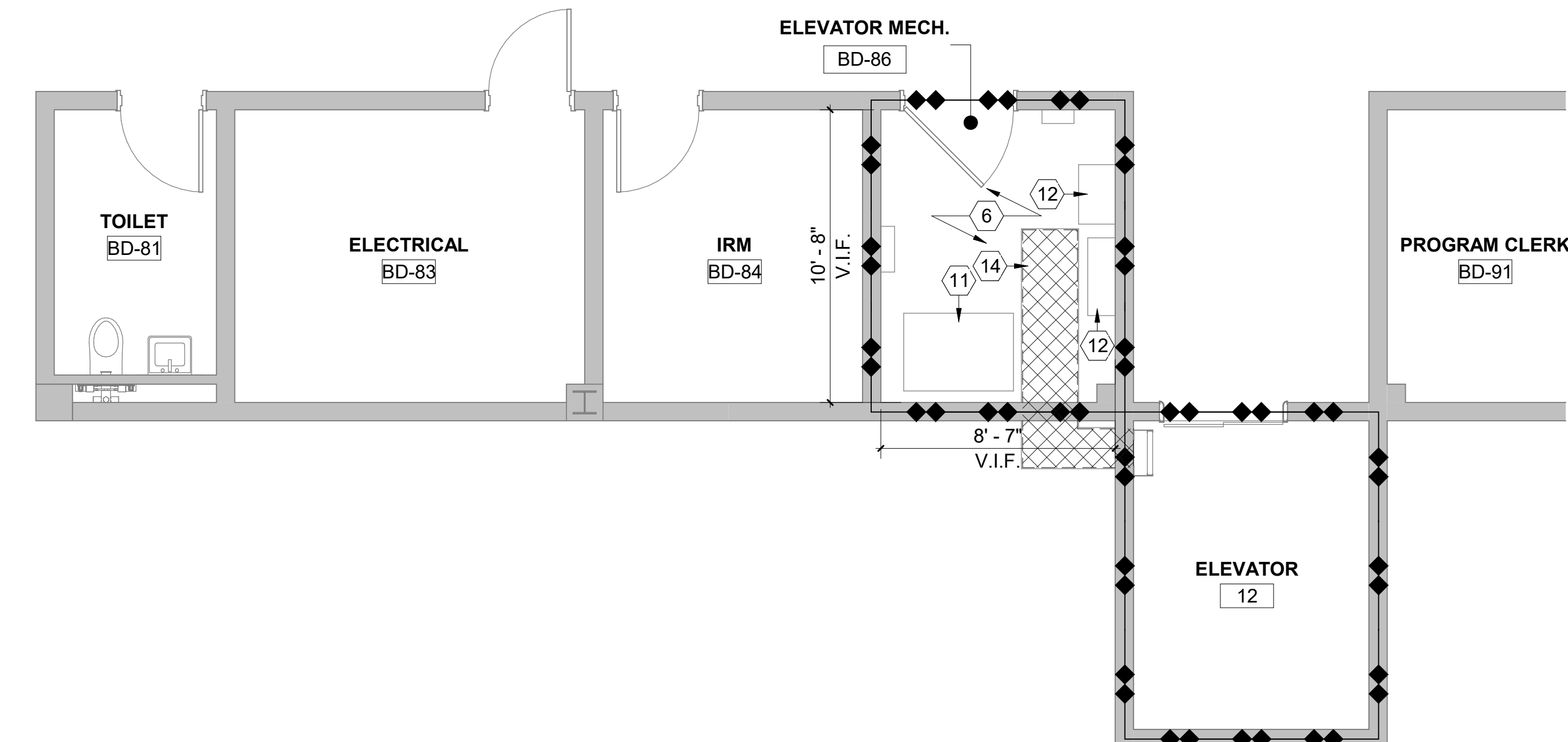
5 FLOOR PLAN - ELEVATOR 10 DEMOLITION - EQUIPMENT ROOM
1/4" = 1'-0"



4 FLOOR PLAN - INDEPENDENCE 4,5 - PENTHOUSE DEMOLITION
1/4" = 1'-0"



3 FLOOR PLAN - VICTORY ELEVATOR 7,8 - PENTHOUSE DEMOLITION
1/4" = 1'-0"



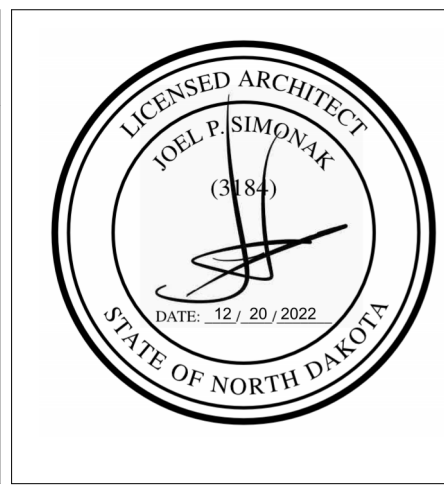
6 FLOOR PLAN - ELEVATOR 12 DEMOLITION - EQUIPMENT ROOM
1/4" = 1'-0"

CONSULTANTS:

1: ADDENDUM #1	02/08/24
Revisions:	Date

SUMMIT
FIRE PROTECTION

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST
ST. PAUL, MINNESOTA 55103
(612) 387-7050



ARCHITECT/ENGINEERS

FOURFRONT DESIGN, INC.
517 7TH STREET
RAPID CITY, SOUTH DAKOTA 57701
PH: (605) 342-9470
FAX: (605) 342-2377
WWW.FOURFRONTDESIGN.COM

Drawing Title
ENLARGED PLANS - PENTHOUSE / EQUIPMENT ROOMS - DEMOLITION

Approved: Project Director
FARGO VAMC

Project Title
REFURBISH ELEVATORS AND REPLACE CONTROLS

Location
2101 ELM STREET
FARGO, ND 58102

Date
12.20.22

Checked
JS

Drawn
JE

Project Number
437-22-101

Building Number
1,946

Drawing Number
AD5.22

Dwg. 8 of 41

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

GENERAL NOTES:

1. SHEET SIZE FOR PROPER SCALE IS 30"x42". CONTRACTOR SHALL NOT SCALE DRAWINGS BUT REQUEST THE DESIRED DIMENSIONS FROM THE CONTRACTING OFFICER REPRESENTATIVE.
2. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND TAKE CAUTIONARY MEASURES TO PROTECT AND MAINTAIN THEIR FUNCTION THROUGHOUT CONSTRUCTION.
3. ALL EXISTING WORK SHALL BE PATCHED AND PAINTED AS REQUIRED TO MATCH THE EXISTING CONDITIONS. PAINTING SHALL BE GARBED BACK TO THE NEAREST CORNER, CEILING, DOOR FRAME, ETC.
4. ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF ALL APPLICABLE BUILDING CODES AND ALL VA STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLY WITH SUCH CODES, STANDARDS AND REGULATIONS.
5. ELEVATOR SHAFTS CANNOT BE LEFT UNPROTECTED (OPEN) AT THE END OF WORK ON ANY DAY. IF WORK WILL COMPROMISE THE FIRE RESISTANCE OF THE SHAFT, COORDINATE AND VERIFY 2-HOUR RATING FIRESMOKE RATED PARTITIONS ARE REQUIRED.
6. CONTRACTOR SHALL PROTECT ADJACENT ROOMS FROM DAMAGE DURING CONSTRUCTION. REPAIR ANY DAMAGED ITEMS AND ASSEMBLIES TO PRE-PROJECT CONDITION IF DAMAGED DURING CONSTRUCTION.
7. SEE MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
8. THE WORK SHALL BE COMPLETED IN A MANNER TO AVOID DISRUPTION OF PATIENT AND/OR STAFF ACCESS TO THE ELEVATORS FROM ANY LOBBY/FLOOR. THE VAMC WILL BE FULLY OCCUPIED AND OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT.
9. CONTRACTOR SHALL FULLY COORDINATE PHASING AND SCHEDULES WITH THE CONTRACTING OFFICER PRIOR TO BEGINNING WORK.
10. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE COR IN ADVANCE. THE COR SHALL BE GIVEN ADVANCE NOTICE FOR ALL SITE VISITS BY THE CONTRACTOR AND THEIR SUBCONTRACTORS. CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING DOORS AS REQUIRED FOR REMOVAL AND INSTALLATION OF NEW ELEVATOR EQUIPMENT.

KEYNOTES: #

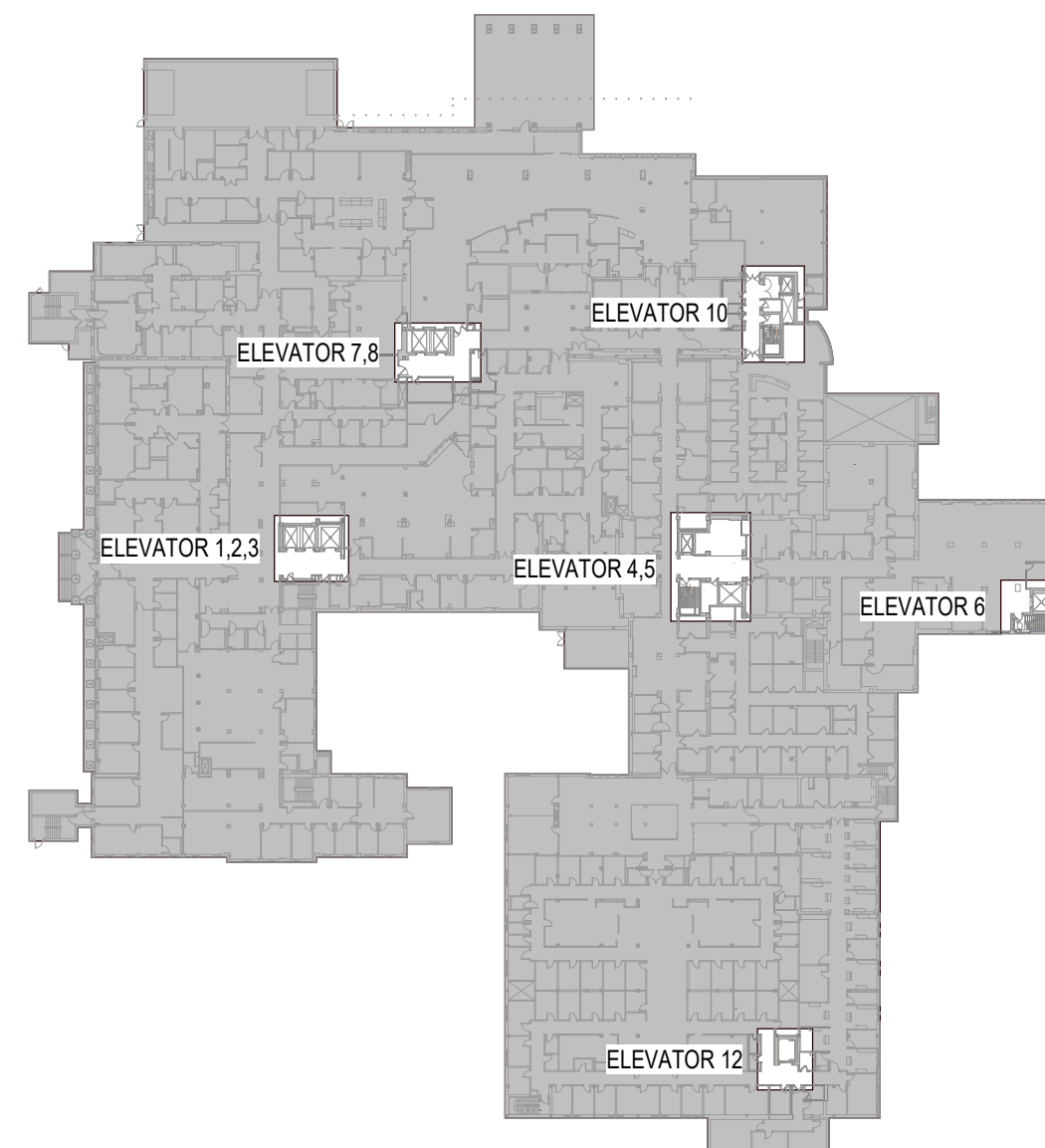
1. NEW AC GEARED HOISTING MACHINE AND MOTOR.
2. NEW VARIABLE FREQUENCY/VARIABLE DRIVE CONTROLLER. SEE SPECIFICATION.
3. NEW GOVERNORS. VERIFY REQUIRED CLEARANCE.
4. NEW VARIABLE FREQUENCY DRIVE AND ALL ASSOCIATED EQUIPMENT. SEE SPECIFICATION.
5. NEW GROUP CONTROLLER. VERIFY LOCATION WITH OWNER. SEE SPECIFICATION.
6. EXISTING FLOOR HATCH.
7. REINSTALL EXISTING HANDRAIL TO MATCH CURRENT CONDITION.
8. NEW ISOLATION TRANSFORMER FOR THE ELEVATOR CONTROLLER.
9. ELECTRICAL PANEL, RE: ELECTRICAL DRAWINGS.
10. EXISTING CONCRETE COLUMN.
11. PROTECT AND MAINTAIN EXISTING AIR HANDLER AND ALL ASSOCIATED ELECTRICAL.
12. NEW HYDRAULIC PUMP ASSEMBLY. SEE MEP DRAWINGS FOR FURTHER DETAIL.
13. NEW HYDRAULIC ELEVATOR CONTROLLER. SEE MEP DRAWINGS FOR FURTHER DETAIL.
14. NOT USED.
15. REPLACE EXISTING CEILING TO MATCH EXISTING CONDITIONS. EXISTING CEILING IS PAINTED GYPSUM BOARD. COORDINATE WITH EXISTING MECHANICAL AND ELECTRICAL.
16. PATCH AND REPAIR FLOOR SLAB TO MATCH EXISTING CONDITIONS.
17. PATCH AND REPAIR EXISTING WALL SURFACE AFTER THE ABATEMENT OF EXISTING PLACK MASTIC AS SHOWN ON H4101. WALL SURFACE SHALL BE FINISHED SMOOTH WITH DRYWALL COMPOUND AND PAINTED.
18. PROVIDE NEW LVT PLANK FLOORING AND 4" VINYL BASE THROUGHOUT ELEVATOR VESTIBULE AFTER PATCH AND REPAIR OF CONCRETE SLAB.

FIRE BARRIER LEGEND

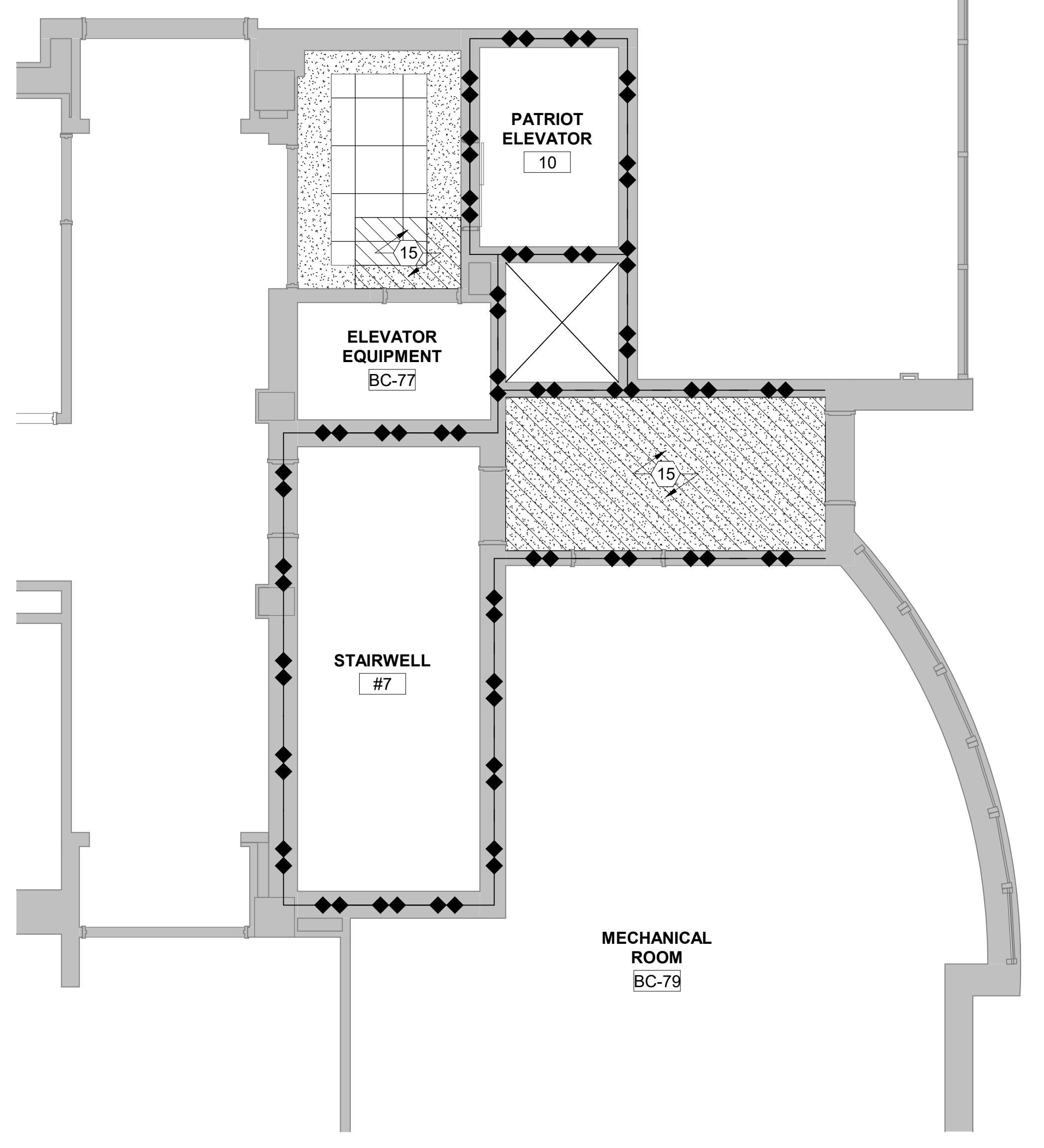
EXISTING 2 HOUR FIRE RATED PARTITION

FLOOR PLAN LEGEND

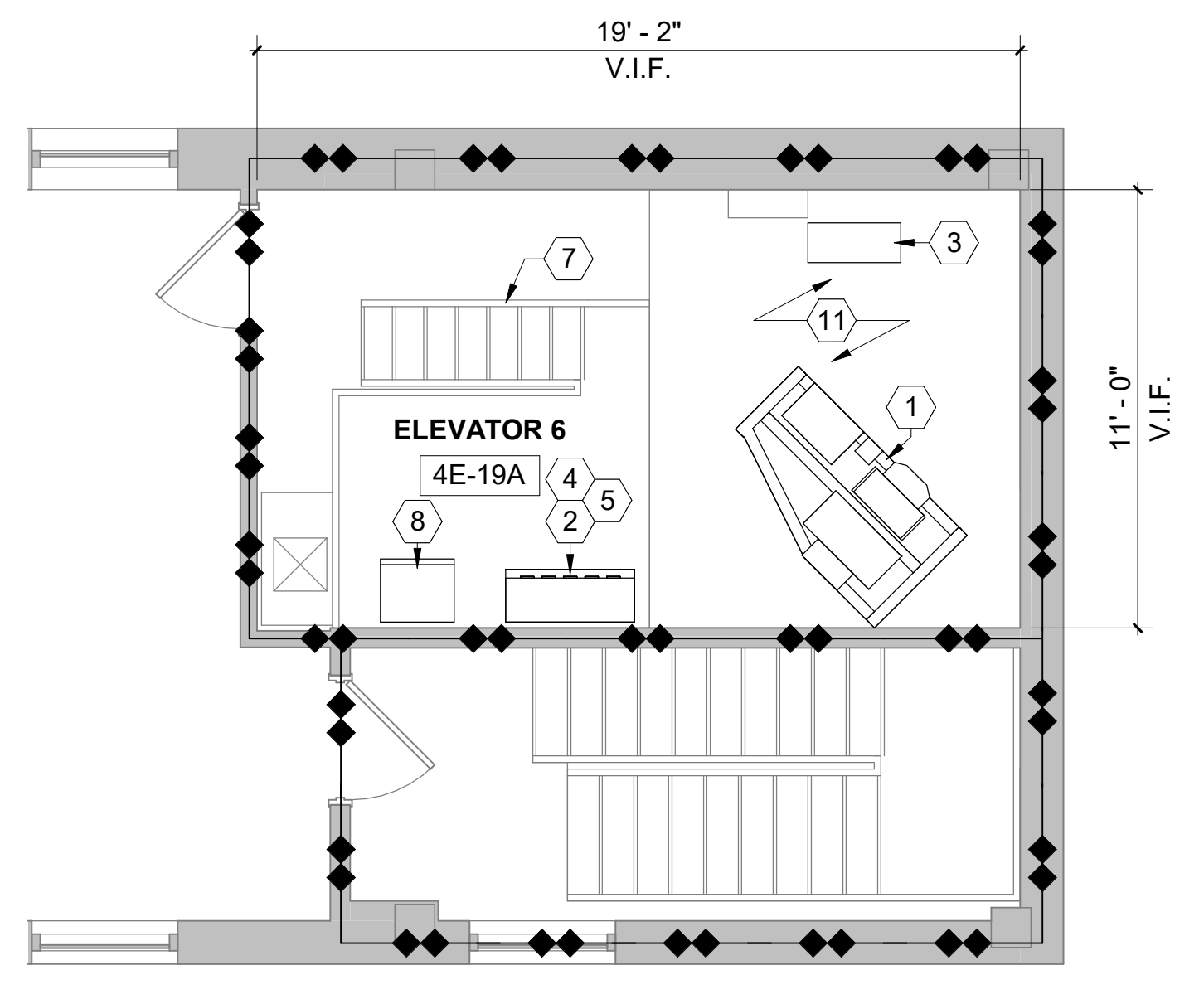
SCOPE OF NEW CEILING CONSTRUCTION
 SCOPE OF NEW FLOORING CONSTRUCTION



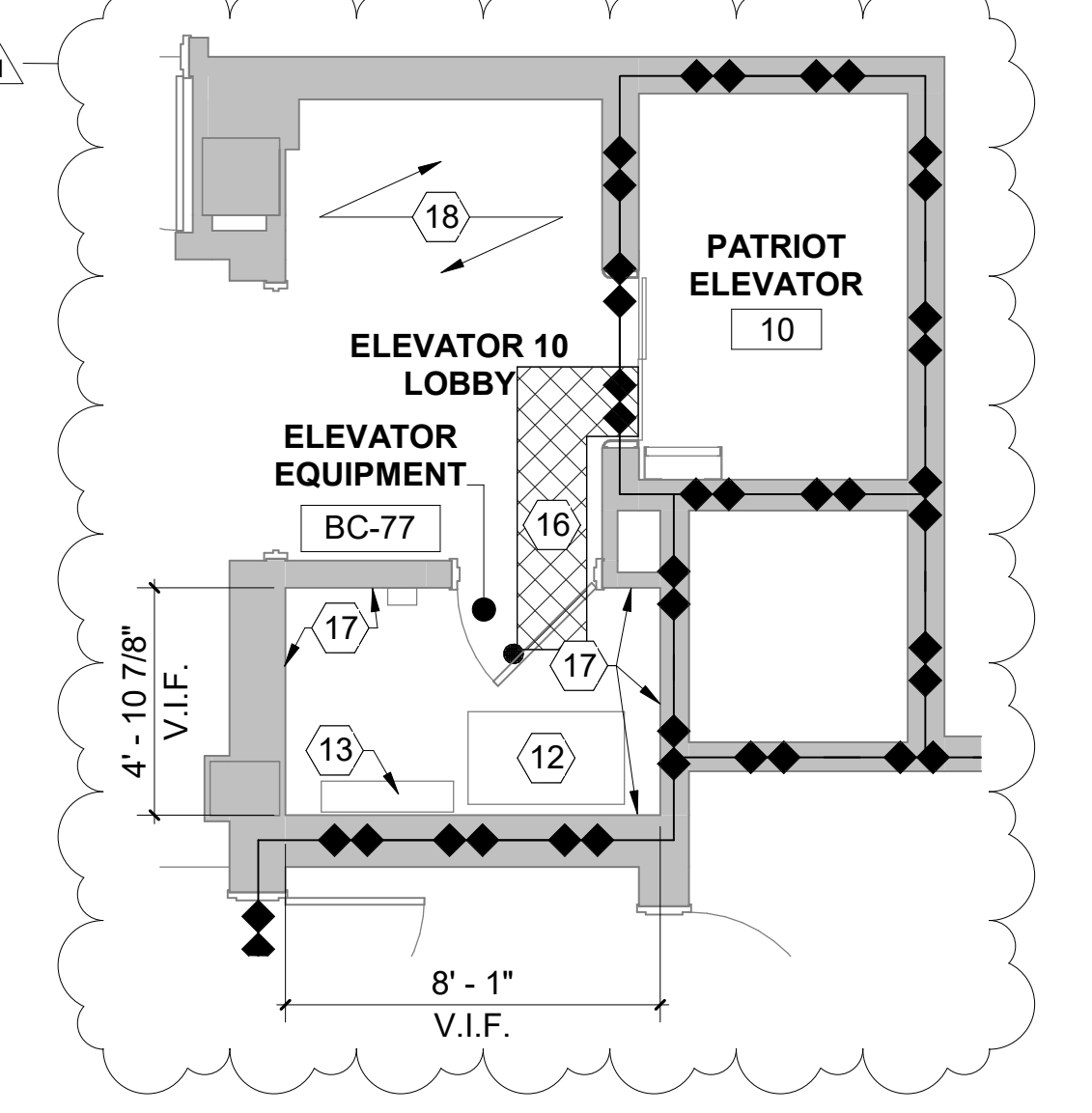
KEY PLAN



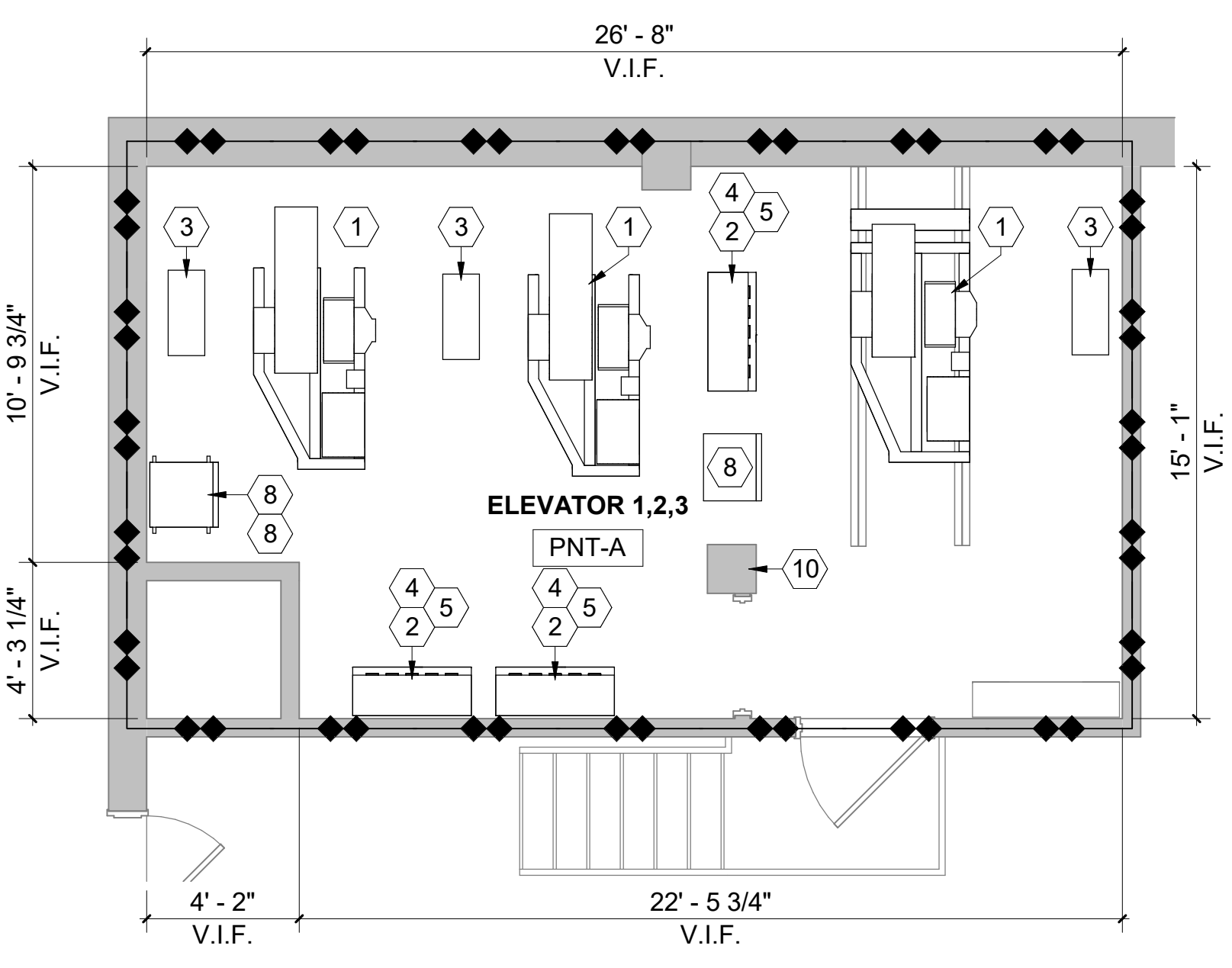
7 RCP - ELEVATOR 10 NEW - EQUIPMENT ROOM
1/4" = 1'-0"



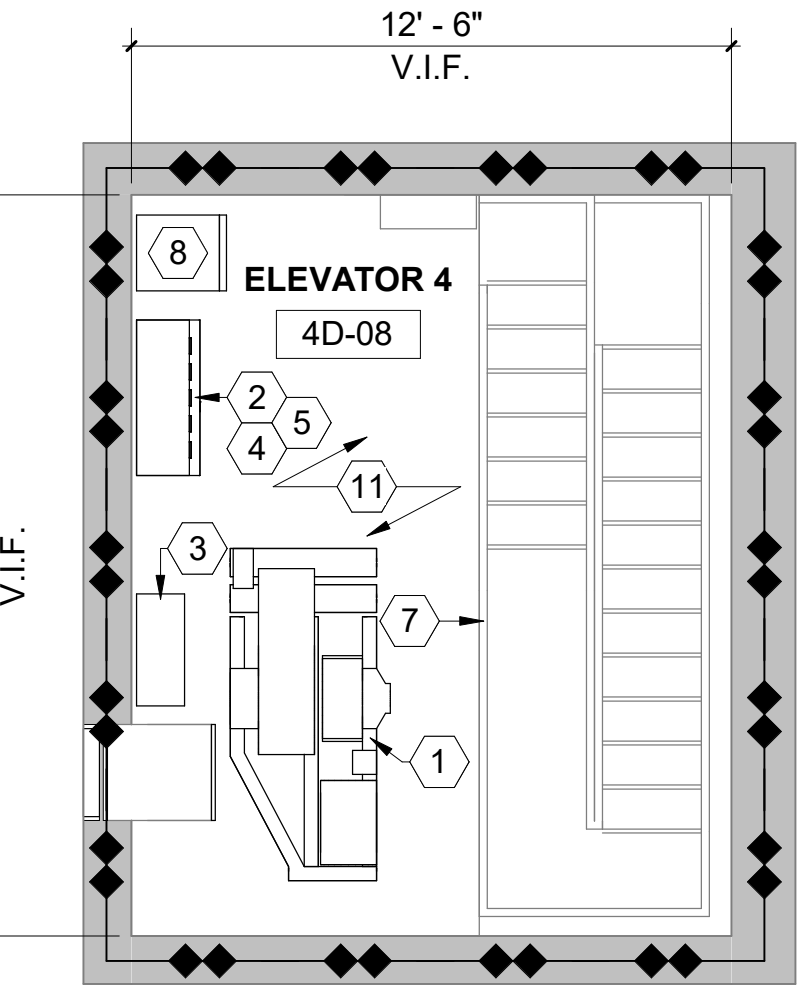
2 FLOOR PLAN - ELEVATOR 6 - PENTHOUSE - TYPICAL
1/4" = 1'-0"



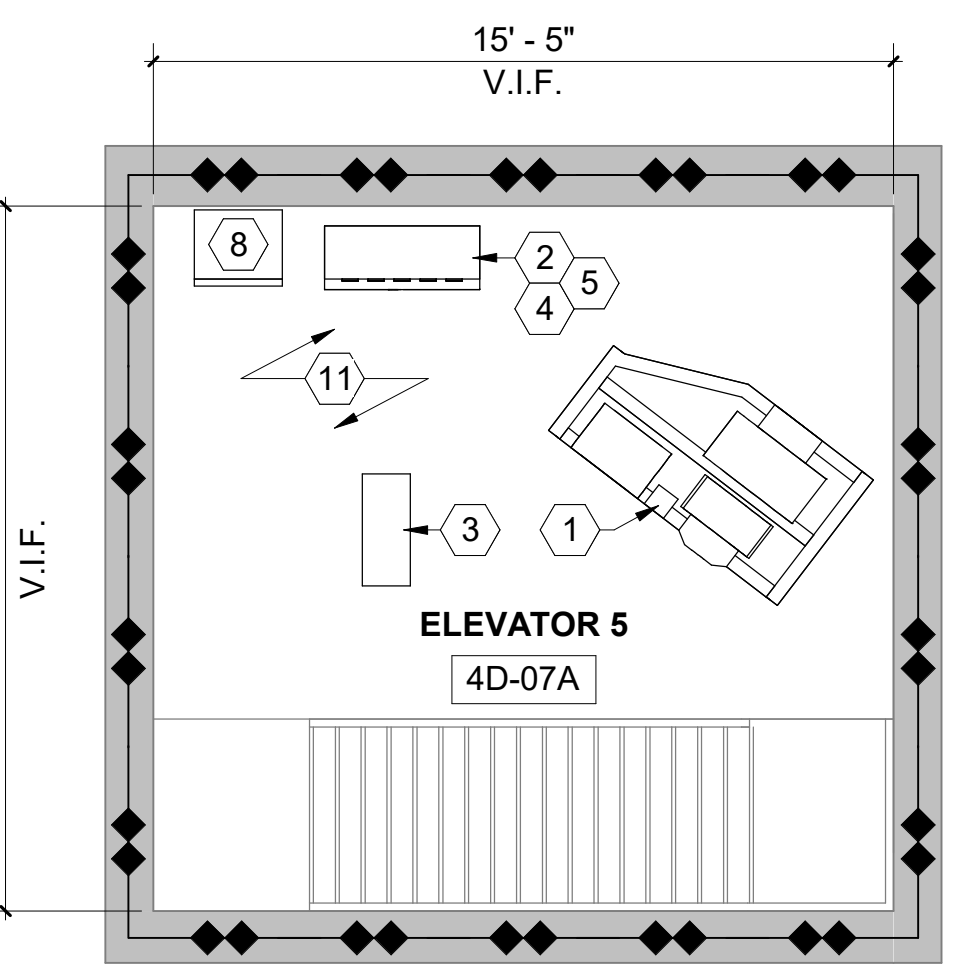
3 FLOOR PLAN - ELEVATOR 10 - EQUIPMENT ROOM
1/4" = 1'-0"



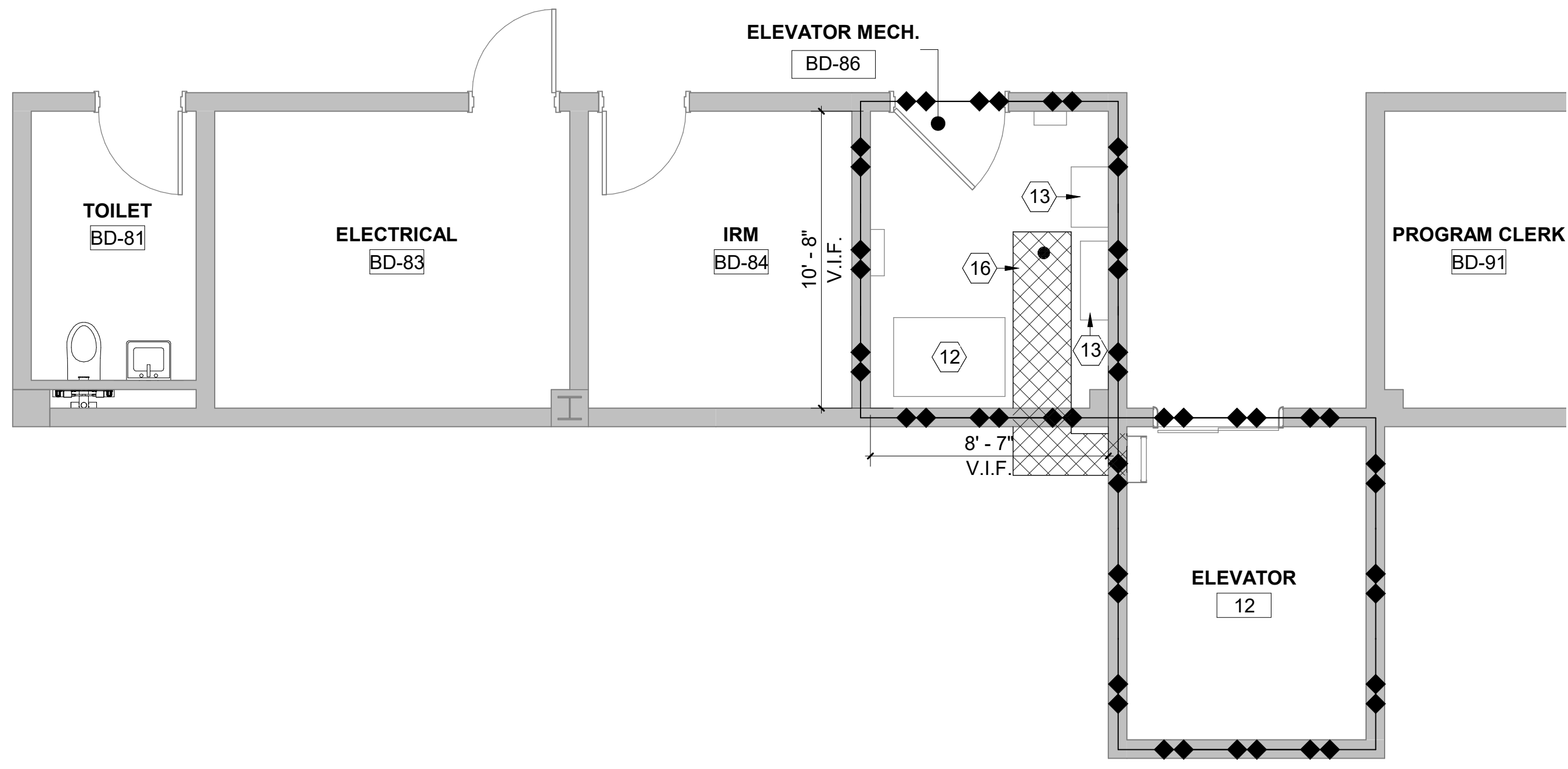
1 FLOOR PLAN - LIBERTY 1,2,3 PENTHOUSE - TYPICAL
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4 FLOOR PLAN - INDEPENDENCE 4.5 - PENTHOUSE - TYPICAL
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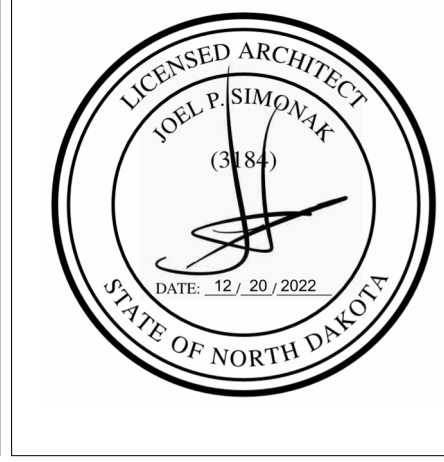
5 FLOOR PLAN - VICTORY ELEVATOR 7,8 PENTHOUSE - TYPICAL
1/4" = 1'-0"



6 FLOOR PLAN - ELEVATOR 12 - EQUIPMENT ROOM
1/4" = 1'-0"

CONSULTANTS:

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST
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Drawing Title
ENLARGED PLANS - PENTHOUSE / EQUIPMENT ROOMS

Approved: Project Director
FARGO VAMC

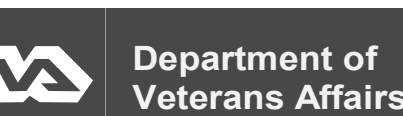
Project Title
REFURBISH ELEVATORS AND REPLACE CONTROLS

Location
**2101 ELM STREET
FARGO, ND 58102**

Project Number
437-22-101

Building Number
1,946

Office of Construction and Facilities Management



1: ADDENDUM #1	02/08/24
Revisions:	Date

Drawing Number
A5.22
Dwg. 12 of 41

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ABBREVIATIONS:

AHU	AIR HANDLING UNIT	MD	MOTORIZED DAMPER
AP	ACCESS PANEL	MECH	MECHANICAL
AS	AIR SEPARATOR	MFG	MANUFACTURER
A/G	ABOVE GRADE	MIN	MINIMUM
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MIN	MINUTE
		mm	MILLIMETER
BMS	BUILDING MANAGEMENT SYSTEM	MPS	MEDIUM PRESSURE STEAM
B/G	BELOW GRADE	MT	MOISTURE (HUMIDITY) TRANSMITTER
		MV	MANUAL VENT
CD	CONDENSATE DRAIN	N.C.	NORMALLY CLOSED
CFM	CUBIC FEET PER MINUTE	NC	NOISE CRITERIA LEVEL
CO	CLEANOUT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
COND	CONDENSATION	NG	NATURAL GAS
COR	CONTRACTING OFFICER'S REPRESENTATIVE	NPT	NATIONAL PIPE THREAD
CP	CIRCULATING PUMP		
CR	CONDENSATE RETURN	OA	OUTSIDE AIR
CV	CONTROL VALVE	OAT	OUTSIDE AIR TEMPERATURE
DAMP.	DAMPER	OE	ORAL EVACUATION
DAT	DISCHARGE AIR TEMPERATURE	ORD	OVERFLOW ROOF DRAIN
DB	DRY BULB	OSA	OUTSIDE AIR
DCW	DOMESTIC COLD WATER	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
DE	DEIONIZED WATER	OXY	OXYGEN
DEG	DEGREES		
DHW-R	DOMESTIC HOT WATER RETURN	Pa	PASCAL
DHW	DOMESTIC HOT WATER	PC	PUMPED CONDENSATE
DIFF.	DIFFERENTIAL	PC	PREHEAT STEAM COIL - AHU
DIST	DISTRIBUTION	PD	PRESSURE DROP
DS	DOWNSPOUT	PDS	PRESSURE DIFFERENTIAL SENSOR
DVV	DRAIN, WASTE AND VENT		
(E)	EXISTING	PH	PHASE
EA	EXHAUST AIR	PI	PROPORTIONAL INTEGRAL
ECC	ENERGY CONTROL CENTER	PID	PROPORTIONAL INTEGRAL DERIVATIVE
EEW	EMERGENCY EYE WASH	PRESS.	PRESSURE
ELECT.	ELECTRICAL	PSH	HIGH PRESSURE SWITCH
ELEV.	ELEVATION		
ERC	ENERGY RECOVERY COIL - AHU	PSIG	POUNDS PER SQUARE INCH - GAUGE
ESH	EMERGENCY SHOWER	PSL	LOW PRESSURE SWITCH
EWC	ELECTRIC WATER COOLER	QUANT.	QUANTITY
F	FAHRENHEIT	R	RADIUS
FD	FLOOR DRAIN	R	RETURN
FS	FLOOR SINK	RA	REHEAT STEAM COIL - AHU
FILT.	FILTER	RC	ROOF DRAIN
FPM	FEET PER MINUTE	REQ'D	REQUIRED
FT	FEET	RPM	REVOLUTIONS PER MINUTE
GAL	GALLONS	S	SINK
G.C.	GENERAL CONTRACTOR	SA	SUPPLY AIR
GPM	GALLONS PER MINUTE	SAN	SANITARY
GT	GLYCOL TANK	SCW	SOFT COLD WATER
		SD	SMOKE DAMPER
H	HEIGHT	SF	FAN SECTION - AHU
H	HUMIDIFIER - AHU	SF	SQUARE FEET
HB	HOSE BIBB	SH	SHOWER
HP	HORSEPOWER	SP	STATIC PRESSURE
HPS	HIGH PRESSURE STEAM	SPEC	SPECIFICATION
HR	HOUR	SS	SANITARY SEWER
HRP	HEAT RECOVERY PUMP	SST	START/STOP
HSP	HUMIDIFICATION SET POINT	SV	STEAM VENT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING		
HX	HEAT EXCHANGER	T	THERMOSTAT
HYL	HYDRAULIC OIL	TEMP.	TEMPERATURE
HYL-D	HYDRAULIC OIL DRAIN	TT	TEMPERATURE SENSOR/TRANSMITTER
HZ	HERTZ	TYP.	TYPICAL
IBC	INTERNATIONAL BUILDING CODE	UH	UNIT HEATER
IECC	INTERNATIONAL ENERGY CONSERVATION CODE		
IFB	INTEGRAL FACE AND BYPASS	V	VENT
IMC	INTERNATIONAL MECHANICAL CODE	VAV	VARIABLE AIR VOLUME
I/O	INPUT/OUTPUT	VFD	VARIABLE FREQUENCY DRIVE
IPC	INTERNATIONAL PLUMBING CODE	VSMC	VARIABLE SPEED MOTOR CONTROLLER
		VTR	VENT THROUGH ROOF
L	LENGTH	W	WITH
LA	LABORATORY EQUIPMENT COMPRESSED AIR	WB	WET BULB
LAV	LAVATORY	WC	WATER CLOSET
LV	LABORATORY EQUIPMENT VACUUM	WD	WATER DISPENSER
LBS	POUNDS		
LPS	LOW PRESSURE STEAM	ZAT	ZONE AIR TEMPERATURE
MA	MEDICAL AIR	ZC	VALVE OR DAMPER CONTROLLER
MAX	MAXIMUM		
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR		
MC	MECHANICAL CONTRACTOR		

PLUMBING SYMBOLS

	3-WAY CONTROL VALVE		BALL VALVE
	2-WAY CONTROL VALVE		PLUG VALVE
	CHECK VALVE		TEMPERATURE SENSOR
	THERMOSTATIC MIXING VALVE		TRIPLE DUTY VALVE
	PRESSURE REDUCING VALVE		VACUUM BREAKER
	REDUCED PRESSURE ZONE VALVE		TEST PORT
	PRESSURE RELIEF VALVE		HAMMER ARRESTOR
	SOLENOID VALVE		PIPE UNION
	PRESSURE GAUGE		PIPE ELBOW
	THERMOMETER		PIPE DOWN
	PUMP		PIPE UP
	STEAM TRAP		PIPE TEE DOWN
	STRAINER		TEE
	CONCENTRIC REDUCER		PLUMBING PLAN NOTE
	CONNECT		

PLUMBING SHEET INDEX

P0.00	PLUMBING ABBREVIATIONS, SYMBOLS, LEGENDS, AND GENERAL NOTES
P1.00	PLUMBING PLANS AND SECTIONS
P2.00	PLUMBING ISOMETRIC VIEWS
P5.00	PLUMBING DETAILS AND SCHEDULES

GENERAL PLUMBING NOTES:

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL MECHANICAL CODE (IMC), INTERNATIONAL PLUMBING CODE (IPC), INTERNATIONAL FUEL GAS CODE (IFGC), NFPA 101 LIFE SAFETY CODE, AND ANY AUTHORITY HAVING JURISDICTION. THIS IS A FEDERAL PROJECT, AS SUCH ALL CODE REQUIREMENTS ARE REQUIRED.

ALL EQUIPMENT, MATERIALS, AND ARTICLES INCORPORATED IN THE WORK SHALL BE NEW AND OF COMPARABLE QUALITY AS SPECIFIED. ALL WORKMANSHIP SHALL BE FIRST-CLASS AND SHALL BE PERFORMED BY MECHANICS SKILLED AND REGULARLY EMPLOYED IN THEIR RESPECTIVE TRADES.

ALL WORK SHALL BE COORDINATED WITH ALL AFFECTED TRADES PRIOR TO STARTING WORK. REWORK REQUIRED DUE TO COORDINATION ISSUES SHALL BE DONE BY THE INSTALLATION CONTRACTOR WITHOUT INCREASED COST TO THE OWNER. CONTRACTOR TO COORDINATE WITH THE OWNER PRIOR TO WORK FOR SCHEDULING OR ANY UTILITY SHUT DOWN.

THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. ALTHOUGH EVERY ATTEMPT HAS BEEN MADE TO INDICATE THE EXACT ROUTING AND LOCATION OF PROPOSED SYSTEMS, NOT ALL OFFSETS, REQUIRED FITTINGS AND/OR CONDITIONS CAN BE SHOWN. THE CONTRACTOR SHALL COORDINATE WORK AND MAKE REQUIRED CHANGES TO THE ROUTING IN ORDER TO AVOID CONFLICTS WITHOUT ANY INCREASED COST TO THE OWNER.

SYSTEMS DESIGNATED TO BE PROVIDED AND INSTALLED WITHIN THESE CONTRACT DOCUMENTS ARE INTENDED TO BE COMPLETE AND OPERATIONAL. PROVIDE EVERYTHING ESSENTIAL FOR THE COMPLETION OF THE WORK TO MAKE THE SYSTEM READY FOR NORMAL AND PROPER OPERATION, INCLUDING ALL WORK OR MATERIALS NOT DIRECTLY SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS, BUT NECESSARY FOR THE PROPER OPERATION OF THE SYSTEM.

PLUMBING CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER MAINTENANCE CLEARANCES ARE MAINTAINED. CLOSE COORDINATION WILL BE REQUIRED WITH THE MECHANICAL PIPING, HVAC, FIRE PROTECTION, AND ELECTRICAL CONTRACTOR.

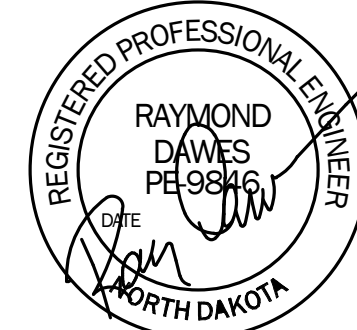
ALL DOMESTIC WATER PIPING ABOVE GRADE IS INTENDED TO BE INSULATED, TYPE K OR L HARD DRAWN COPPER PIPE AS SPECIFIED. TYPE M COPPER PIPE IS NOT ALLOWED.

ALL WASTE AND VENT PIPING ABOVE GRADE IS INTENDED TO BE CAST IRON OR DUCTILE IRON AS SPECIFIED. PVC IS NOT ALLOWED ABOVE GRADE. ALL WASTE AND VENT PIPING BELOW GRADE IS INTENDED TO BE PVC OR CAST IRON PIPING AS SPECIFIED.

FOR PIPE SIZES NOT SHOWN ON FLOOR PLANS SEE PIPING ISOMETRIC DRAWINGS.

CONSULTANTS:

ARCHITECT



FOURFRONT DESIGN, INC.
 517 7TH STREET
 RAPID CITY, SOUTH DAKOTA 57701
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 SUMMIT FIRE CONSULTING
 575 MINNEHAHA AVE WEST
 ST. PAUL, MINNESOTA 55103
 (612) 387-7050

Drawing Title PLUMBING ABBREVIATIONS, SYMBOLS, LEGENDS, AND GENERAL NOTES		Project Title REFURBISH ELEVATORS AND REPLACE CONTROLS		Project Number 437-22-101 Building Number 1,9,46	
Approved: Project Director FARGO VAMC		Location 2101 ELM STREET FARGO, ND 58102		Drawing Number P0.00	
Date 12.20.22	Checked RD	Drawn BM	Dwg. 17 of 41		

Office of Construction and Facilities Management



Superseded General Decision Number: ND20230013

State: North Dakota

Construction Type: Building

County: Cass County in North Dakota.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 14026 generally applies to the contract.. The contractor must pay all covered workers at least \$17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 13658 generally applies to the contract.. The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

BOIL0647-006 01/01/2023

	Rates	Fringes
BOILERMAKER.....	\$ 44.37	29.46

BRND0001-002 05/30/2022

	Rates	Fringes
BRICKLAYER.....	\$ 33.54	14.86

ELEC1426-004 06/01/2023

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring).....	\$ 35.35	11.5%+12.79

IRON0512-006 05/01/2022

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 35.95	33.11

PLAS0633-001 05/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.33	18.40

PLUM0300-016 06/06/2022

	Rates	Fringes
PIPEFITTER.....	\$ 39.29	18.07
PLUMBER.....	\$ 39.29	18.07

SFND0669-002 01/01/2023

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 36.78	22.41

SHEE9010-002 06/06/2022

	Rates	Fringes
SHEET METAL WORKER (HVAC Duct Installation Only).....	\$ 28.19	21.15

SUND2012-002 08/18/2014

	Rates	Fringes
CARPENTER (Drywall Finishing/Taping Only).....	\$ 21.22	7.11
CARPENTER, Excludes Drywall Finishing/Taping, Drywall Hanging, and Metal Stud Installation.....	\$ 19.24	4.89

DRYWALL HANGER AND METAL STUD

INSTALLER.....	\$ 21.36	0.00
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 21.14	5.73
INSULATOR - MECHANICAL (Duct, Pipe & Mechanical System Insulation).....	\$ 15.80 **	2.60
LABORER: Common or General.....	\$ 13.05 **	2.92
LABORER: Mason Tender - Brick...	\$ 15.32 **	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 14.54 **	3.41
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 26.00	3.82
OPERATOR: Crane.....	\$ 26.18	9.39
OPERATOR: Forklift.....	\$ 23.06	15.47
OPERATOR: Loader.....	\$ 23.75	0.00
PAINTER (Brush and Roller).....	\$ 21.86	8.41
ROOFER.....	\$ 16.37 **	2.84
SHEET METAL WORKER, Excludes HVAC Duct Installation.....	\$ 27.27	7.76
TRUCK DRIVER: Dump Truck.....	\$ 19.81	5.42

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.20) or 13658 (\$12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO

is available at
<https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those

classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board

U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"



Fargo VAMC – Refurbish Elevators and Replace Controls

Fargo, North Dakota
Project #19-2481

MARCH 26, 2024

ADDENDUM NO. 2

The following becomes a part of the original Plans and Specifications, just as if printed and bound therein, and takes precedence over any items that may conflict. The bidder shall acknowledge receipt of this Addendum on his bid form, incorporating its provisions in his bid.

SPECIFICATIONS:

1. Section 14 21 10 2.27 A. Guiderails, Supports and Fastenings – Change: “Retain existing car and counterweight guide rails and brackets” Change to: “Install new steel car and counterweight guide rails at lower section of existing rail assembly only, approx. 20LF for each rail.”
2. Section 14 21 10 2.43 A. Car and Counterweight Guides / Rails – Change: “Install new steel car and counterweight guide rails at Elevator 7 & 8 only” Change to: “Install new steel car and counterweight guide rails at lower section of existing rail assembly at elevators 7 & 8 only, approx. 20LF for each rail.”
3. Section 14 21 10 2.42 A. Hoistway Entrances: Passenger/Service Elevators: Passenger/Service Elevators – Change: “Refinish existing stainless-steel entrance frames or paint existing painted entrance frames or clad existing entrance frames in stainless steel.” Change to: “Provide new 16 gauge stainless steel No 4 finish cladding at all existing door frames”
4. Section 14 21 10 2.45 A. Car Platform: Passenger/Service Elevators – Add after second sentence: “Car platform shall be constructed of (2) layers of ¾” marine grade plywood.”
5. Section 14 24 10 2.34 A. Hoistway Entrances: Passenger/Service Elevators: Passenger/Service Elevators – Change: “Refinish existing stainless-steel entrance frames or paint existing painted entrance frames or clad existing entrance frames in stainless steel.” Change to: “Provide new 16 gauge stainless steel No 4 finish cladding at all existing door frames”
6. Section 14 24 10 2.37 A. Car Platform: Passenger/Service Elevators – Add after second sentence: “Car platform shall be constructed of (2) layers of ¾” marine grade plywood.”

7 . Section 14 21 10 and 14 24 10. General Attachment: See the attached document: "437-22-101 VA Elevator Controls and Keying for Staff operation" for a Keying and Controls Summary at each elevator. This controls sequence shall apply to all elevators and associated user control panels.

CHANGES AND CLARIFICATIONS TO DRAWINGS:

ARCHITECTURAL

Drawing Sheet AD5.20 ENLARGED PLANS - DEMOLITION – See revised drawing sheet for the adjustment of keynotes # 3, 9, 13 15, 16. Also included is the depth of each elevator pit relative to the floor elevation at the lowest elevator lobby for each hoistway.

Drawing Sheet AD5.21 ENLARGED PLANS - DEMOLITION – See revised drawing sheet for the adjustment of keynotes # 3, 9, 14, 15.

Drawing Sheet AD5.22 ENLARGED PLANS – PENTHOUSE / EQUIPMENT ROOMS - DEMOLITION – See revised drawing sheet for the adjustment of keynotes # 1.

Drawing Sheet A5.20 ENLARGED PLANS – ELEVATOR PITS – See revised drawing sheet for the adjustment of keynotes # 3, 9, 15, 16, 17. Also included is the depth of each elevator pit relative to the floor elevation at the lowest elevator lobby for each hoistway.

Drawing Sheet A5.21 ENLARGED PLANS – See revised drawing sheet for the adjustment of keynotes # 3, 9, 15.

Drawing Sheet A5.30 INTERIOR ELEVATIONS - LOBBIES – See revised drawing sheet for the adjustment of keynotes # 11.

PLAN HOLDERS:

Provided by Fargo VAMC

END OF ADDENDUM NO. 2

437-22-101 VA Elevator Controls and Keying for Staff operation						
	floors	Lobbies				
Elev #	served	front	rear	Controls inside car	Controls at Lobby	Special contols features
1	Bsmt 1 2 3 4	Y Y Y Y		Normal floor selection keypad - serves floors Bsmt, 1, 2, 3 & 4.	Normal up/down call pushbuttons. NOTE: Elevators 1 & 2 share a set of control buttons located between the elevators on each floor.	
2	Bsmt 1 2 3 4	Y Y Y Y		Normal floor selection keypad - serves floors Bsmt, 1, 2, 3 & 4.		
3	Bsmt 1 2 3 4	Y Y Y Y		Normal floor selection keypad - serves floors Bsmt, 1, 2, 3 & 4.	Service elevator for staff use only - keyed for up/down staff to call on each floor - Bsmt, 1, 2, 3 and 4.	Control module for AETHON robot tugs must be re-connected. This will require an interface module/panel in the elevator controls cabinet and a technician from the AETHON to test and verify proper operation. AETHON POC is: Donald Robertson Project Manager Application Engineer ST Engineering Aethon, Inc. E-mail: drobertson@aethon.com Office: +1 (623) 910-6901 Arizona, USA
4	Bsmt 1 2 3 4	Y Y Y Y		Normal floor selection keypad - serves floors Bsmt, 1, 2, 3 & 4.	Normal up/down call pushbuttons. NOTE: Elevators 4 & 5 each have a set of control buttons but the "buttons" interconnected to call either elevator to the floor.	

5	Bsmt 1 2 3 4	Y Y Y Y		Normal floor selection keypad - serves floors Bsmt, 1, 2, 3 & 4.	Service/visitor elevator for staff use and visitor use - Normal up/down call pushbuttons - keyed to over-ride pushbuttons for up/down staff to call on each floor - Bsmt, 1, 2, 3 and 4.	Control module for AETHON robot tugs must be re-connected. This will require an interface module/panel in the elevator controls cabinet and a technician from the AETHON to test and verify proper operation. AETHON POC is: Donald Robertson Project Manager App. Engineer ST Engineering Aethon, Inc. E-mail: drobertson@aethon.com Office: +1 (623) 910-6901 Arizona, USA
6	Bsmt 1 2 3	Y Y Y Y		Normal floor selection keypad - serves floors Bsmt & 3. Keyed operation for staff use only to access floors 1 & 2.	Normal up/down call pushbuttons on each floor - Bsmt, 1, 2 and 3.	
7	Bsmt 1 2 3 4	N Y Y Y Y	Y Y Y N	Normal floor selection keypad - serves floors Bsmt (rear), 1 (front & rear), 2(front), 3(rear) & 4(rear). Keyed operation for staff use only to access floors 2(rear) and 3(front).	Normal up/down call pushbuttons. NOTE: Elevators 7 & 8 share a set of control buttons located between the elevators on each floor. Floor call pushbuttons are located on the following floors: Bsmt (rear), 1 (front & rear), 2 (front & rear), 3 (front & rear) and 4 (front). NOTE: A single "Medical Emergency" call key that	Control module for AETHON robot tugs must be re-connected. This will require an interface module/panel in the elevator controls cabinet and a technician from the AETHON to test and verify proper operation. AETHON POC is: Donald Robertson Project Manager App. Engineer ST Engineering Aethon, Inc. E-mail: drobertson@aethon.com Office: +1 (623) 910-6901 Arizona, USA
8	Bsmt 1 2 3 4	N Y Y Y Y	Y Y Y N	Normal floor selection keypad - serves floors Bsmt (rear), 1 (front & rear), 2(front), 3(rear) & 4(rear). Keyed operation for staff use only to access floors 2(rear) and 3(front).	calls either elevator 7 or 8 is located at each lobby location on the following floors: Bsmt (rear), 1 (front & rear), 2 (front & rear), 3 (front & rear) and 4 (front).	
10	Bsmt 1	Y Y		Normal floor selection keypad - serves floors Bsmt and 1.	Normal up/down call pushbuttons on each floor - Bsmt and 1.	

12	Bsmt 1 2	Y N N	N Y Y	Normal floor selection keypad - serves floors Bsmt(front), 1(rear) and 1(rear).	Service elevator for staff use only - keyed for up/down staff to call on each floor - Bsmt(front), 1(rear) and 2(rear). NOTE: A single "Medical Emergency" call key is located at each lobby location on the following floors: Bsmt (front), 1 (rear) and 2 (rear).	
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DEMOLITION LEGEND

SCOPE OF CEILING DEMOLITION WORK ASSOCIATED WITH NEW ABOVE CEILING PIPING. SEE MECHANICAL DRAWINGS.

SCOPE OF FLOOR DEMOLITION WORK ASSOCIATED WITH NEW FLOOR PIPING. SEE MECHANICAL DRAWINGS.

GENERAL NOTES:

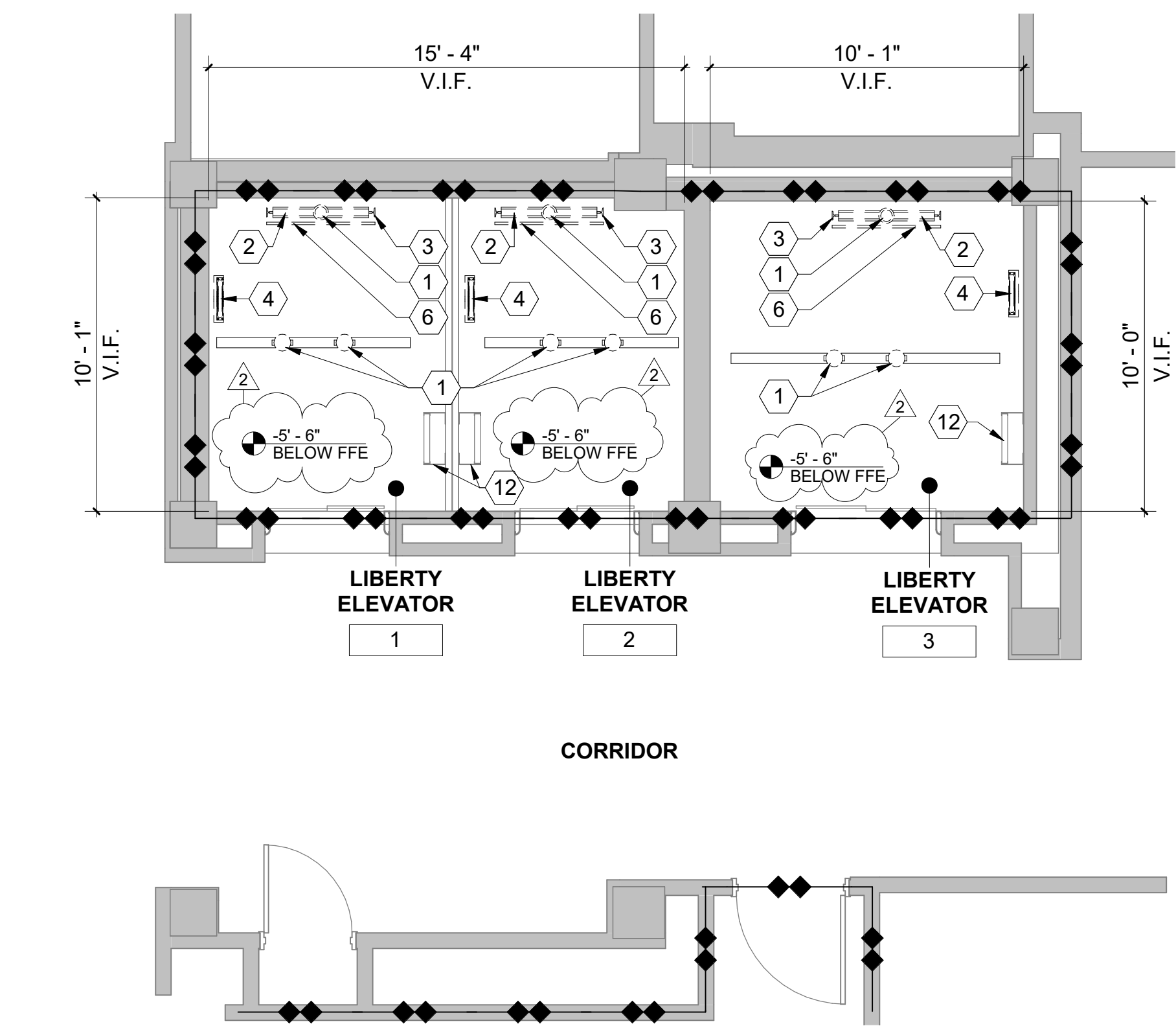
- SHEET SIZE FOR PROPER SCALE IS 30"x42". CONTRACTOR SHALL NOT SCALE DRAWINGS BUT REQUEST THE DESIRED DIMENSIONS FROM THE CONTRACTING OFFICER REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND TAKE PRECAUTIONARY MEASURES TO PROTECT AND MAINTAIN THEIR FUNCTION THROUGHOUT CONSTRUCTION.
- ALL EXISTING AREAS AFFECTED BY THE SCOPE OF THIS WORK SHALL BE PATCHED AND/OR PAINTED AS REQUIRED TO MATCH THE EXISTING CONDITIONS. PAINTING SHALL BE CARRIED BACK TO THE NEAREST CORNER, CEILING, DOOR FRAME, ETC.
- ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF ALL APPLICABLE BUILDING CODES AND ALL VA STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLY WITH SUCH CODES, STANDARDS AND REGULATIONS.
- ELEVATOR SHAFTS CANNOT BE LEFT UNPROTECTED (OPEN AT THE END OF WORK ON ANY DAY. IF WORK WILL COMPROMISE THE FIRE RESISTANCE OF THE SHAFT, COORDINATE AND VERIFY 2-HOUR RATING FIRE-SMOKE RATED PARTITIONS ARE REQUIRED. CONTRACTOR SHALL PROTECT ADJACENT ROOMS FROM DAMAGE DURING CONSTRUCTION. REPAIR ANY DAMAGED ITEMS AND ASSEMBLIES TO PRE-PROJECT CONDITION IF DAMAGED DURING CONSTRUCTION.
- SEE MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION. THE WORK SHALL BE COMPLETED IN A MANNER TO AVOID DISRUPTION OF PATIENT AND/OR STAFF ACCESS TO THE ELEVATORS FROM ANY LOBBY/FLOOR. THE VAMC WILL BE FULLY OCCUPIED AND OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT.
- CONTRACTOR SHALL FULLY COORDINATE PHASING AND SCHEDULES WITH THE CONTRACTING OFFICER PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE COR IN ADVANCE. THE COR SHALL BE GIVEN ADVANCE NOTICE FOR ALL SITE VISITS BY THE CONTRACTOR AND THEIR SUBCONTRACTORS.
- CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING DOORS AS REQUIRED FOR REMOVAL AND INSTALLATION OF NEW ELEVATOR PIT.

KEYNOTES: #

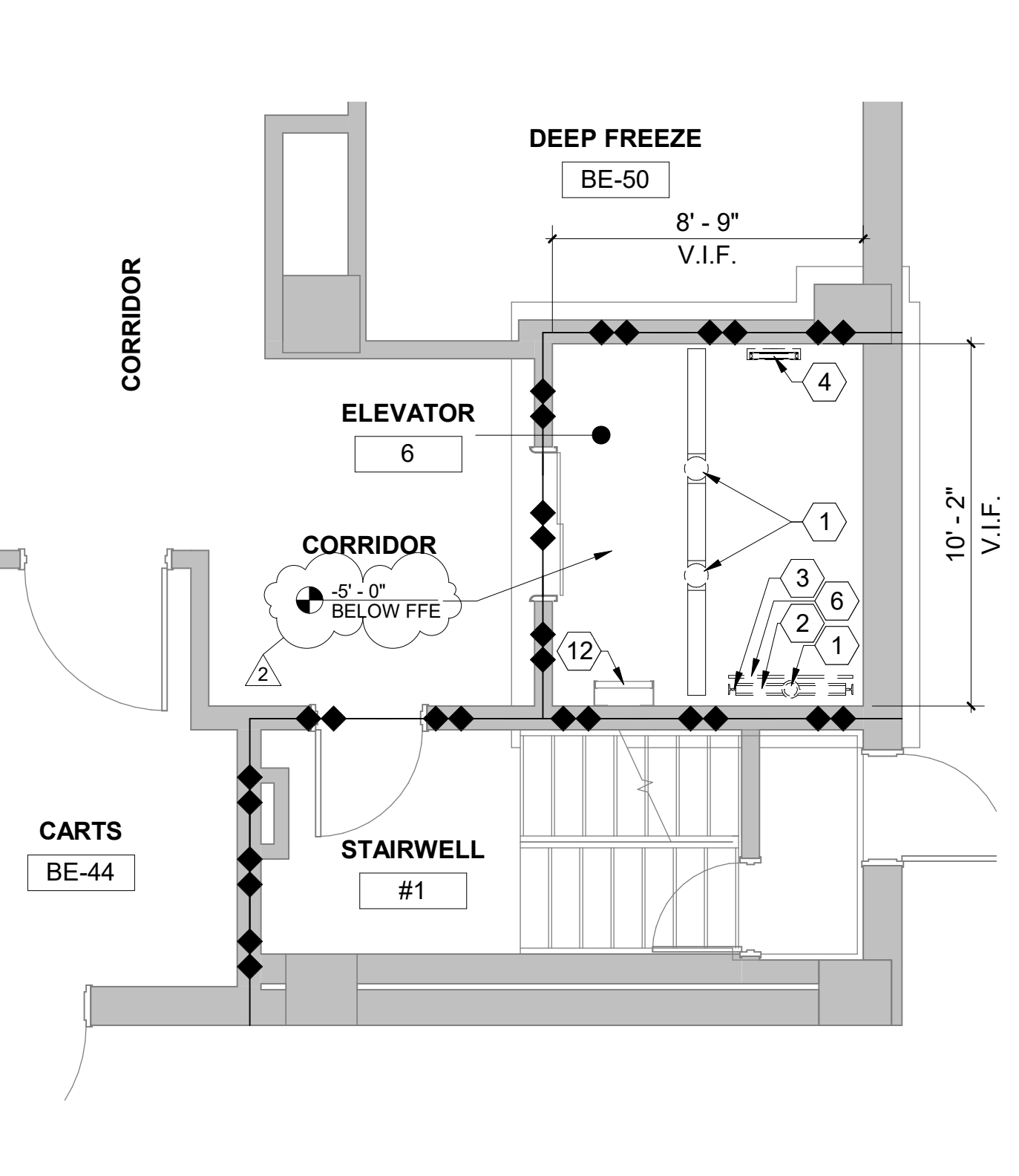
- REMOVE AND DISPOSE OF EXISTING OIL BUFFERS. COMPENSATION ASSEMBLY TO REMAIN AND BE REFURBISHED.
- EXISTING GUIDE RAILS TO REMAIN AND BE REFURBISHED. REALIGN TO COORDINATE WITH NEW EQUIPMENT AND TIGHTEN ALL MOUNTING BRACKETS. TYPICAL AT ALL CAR AND COUNTERWEIGHT GUIDE RAILS. SEE NOTES FOR RAILS AT ELEVATOR 7 & 8.
- REMOVE AND DISPOSE OF EXISTING GOVERNOR TENSION SHEAVE ASSEMBLY. NOT USED.
- EXISTING COUNTERWEIGHT PIT GUARD TO REMAIN. EXISTING COUNTERWEIGHT ASSEMBLY TO REMAIN. REBALANCE COUNTERWEIGHT AS REQUIRED.
- REFURBISH AND REFINISH TO LIKE NEW CONDITION. REMOVE EXISTING CAR PLATFORM AND ENCLOSURE AND PROVIDE NEW CAR PLATFORM AND ENCLOSURE. PASSENGER CAR FRAMES SHALL REMAIN AND BE REFURBISHED.
- REMOVE AND DISPOSE OF EXISTING HOISTWAY DOOR PANELS. ENTRANCE FRAMES TO BE REGLAD. ALSO REMOVE ANY ADHESIVE FROM PREVIOUSLY MOUNTED SIGNAGE. TYPICAL FOR ALL ENTRANCES.
- CAREFULLY REMOVE EXISTING HALL CALL STATIONS AND PREPARE SUBSTRATE FOR NEW HALL CALL STATIONS. SEE LOBBY ELEVATIONS ON SHEET A5.30.
- CAREFULLY REMOVE EXISTING LANDING POSITION INDICATORS. TYPICAL FOR ALL HOISTWAY ENTRANCES. SEE LOBBY ELEVATIONS ON SHEET A5.30.
- EXISTING METAL PIT LADDER TO REMAIN.
- EXISTING HYDRAULIC PISTONS/JACKS TO REMAIN AND BE REPACKED.
- NOT USED.
- EXISTING LOWER SECTION OF GUIDE RAILS TO BE REMOVED AND REPLACED (APPROX 20LF AT EACH RAIL). INSTALL TO COORDINATE WITH OTHER NEW EQUIPMENT. PROVIDE NEW MOUNTING BRACKETS. APPLIES TO ELEVATOR 7 AND 8 ONLY DUE TO WATER DAMAGE.
- EXISTING LOWER SECTION OF COUNTERWEIGHT RAILS (APPROX 20 LF AT EACH RAIL) AND PIT GUARD TO BE REMOVED AND REPLACED. INSTALL TO COORDINATE WITH OTHER NEW EQUIPMENT. PROVIDE NEW MOUNTING BRACKETS. APPLIES TO ELEVATOR 7 AND 8 ONLY DUE TO WATER DAMAGE.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR WORK ASSOCIATED WITH NEW SUMP PITS.

FIRE BARRIER LEGEND

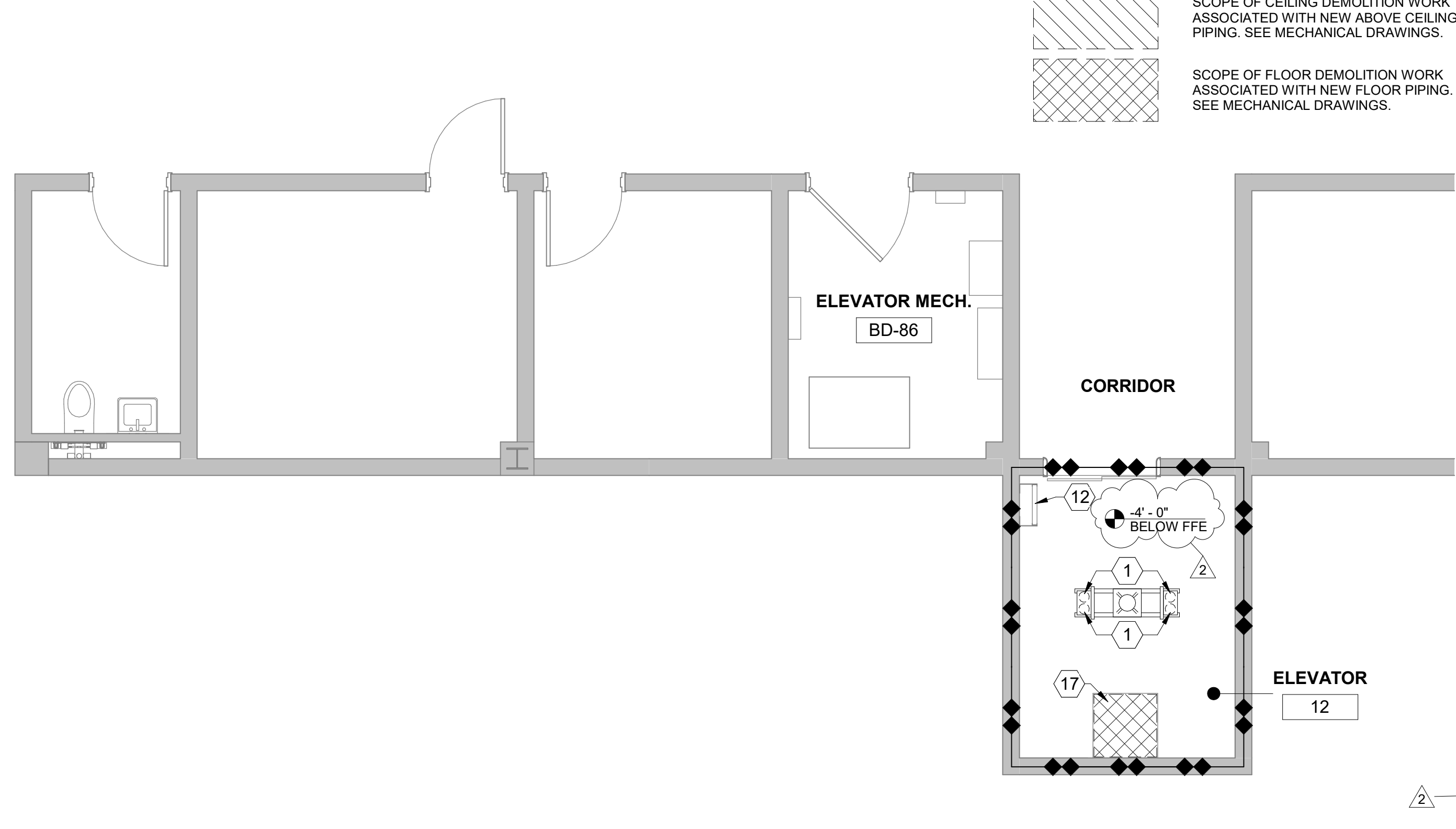
EXISTING 2 HOUR FIRE RATED PARTITION



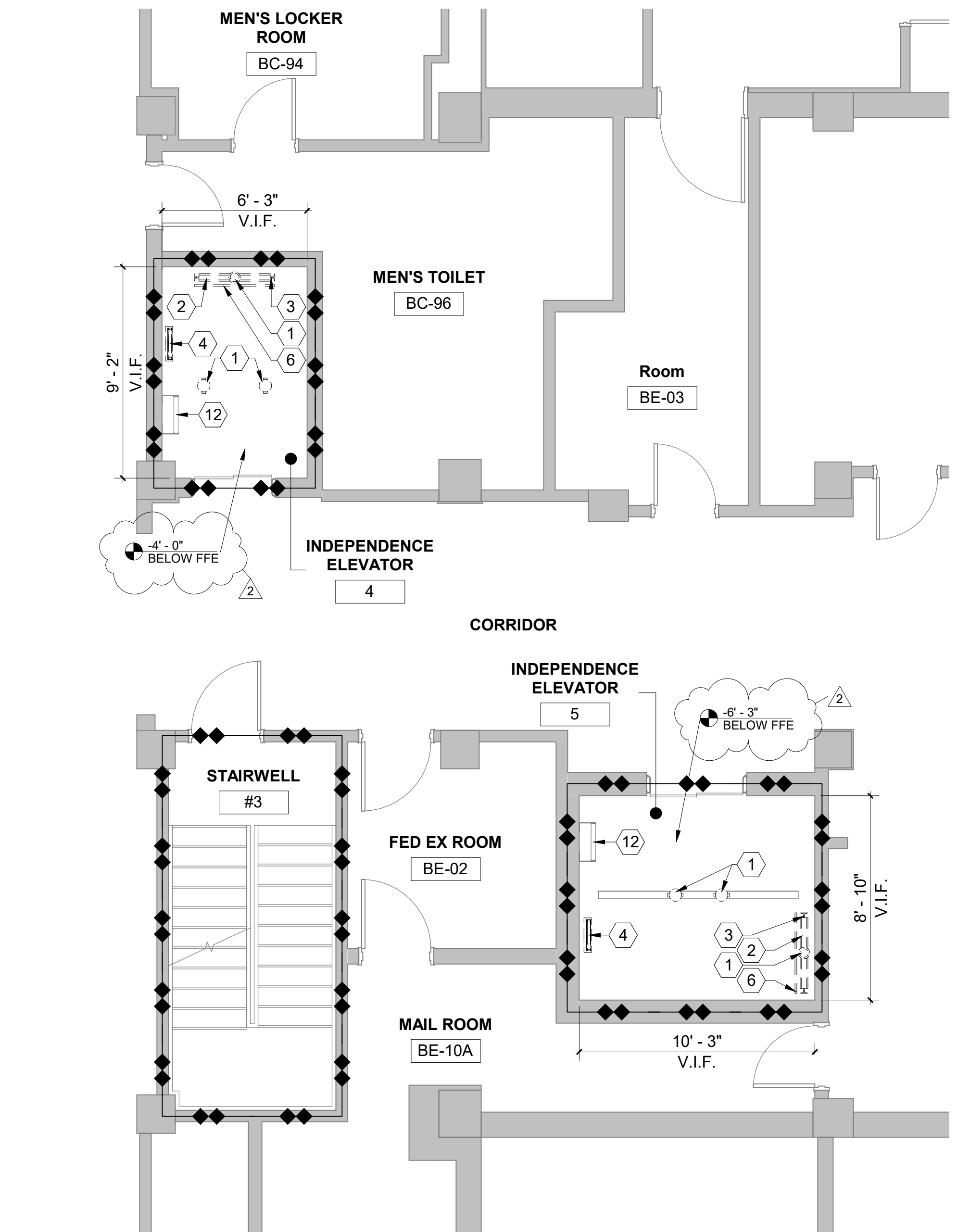
1 FLOOR PLAN - LIBERTY 1,2,3 - PIT DEMOLITION
1/4" = 1'-0"



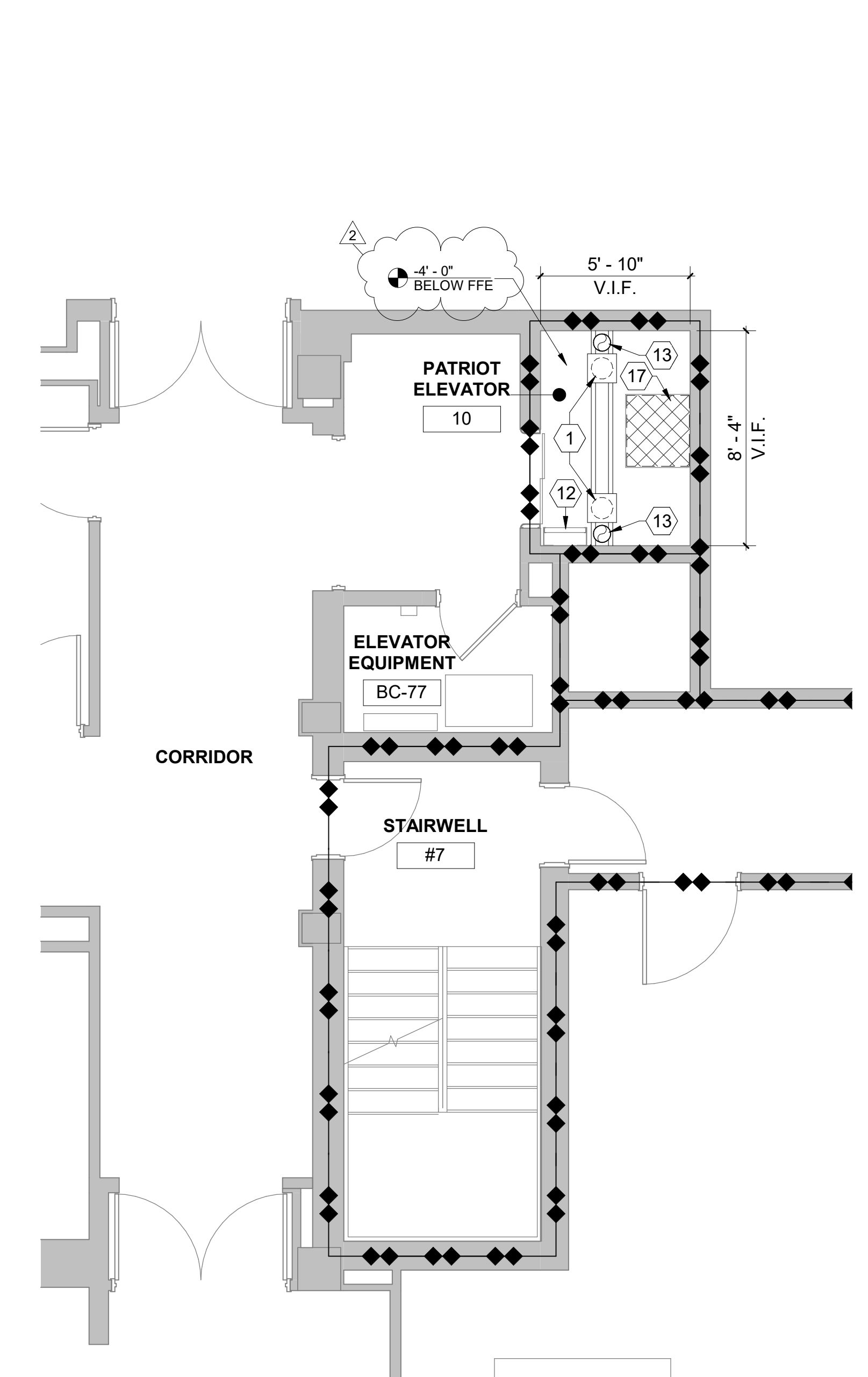
2 FLOOR PLAN - ELEVATOR 6 - PIT DEMOLITION
1/4" = 1'-0"



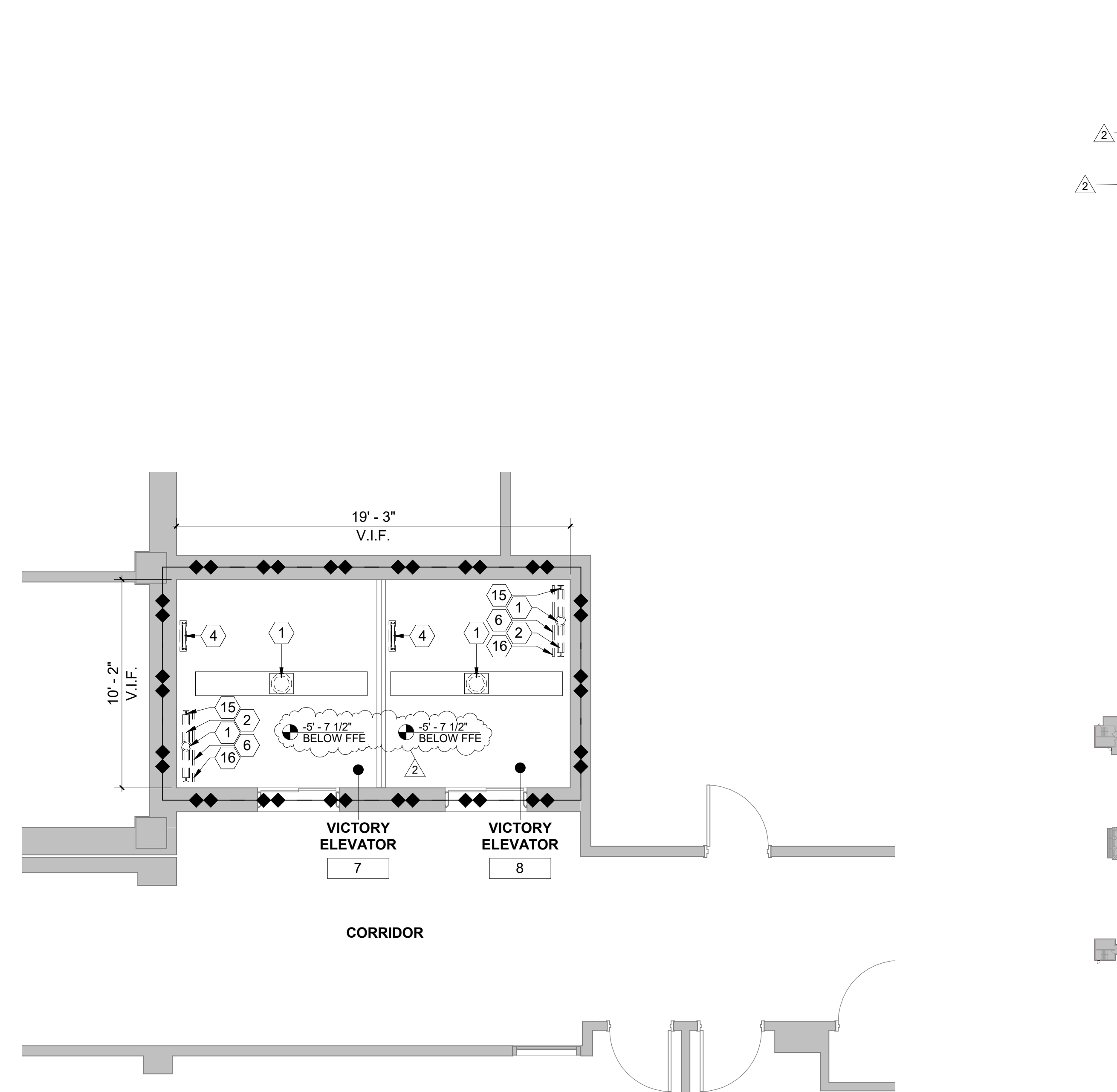
3 FLOOR PLAN - ELEVATOR 12 - PIT DEMOLITION
1/4" = 1'-0"



4 FLOOR PLAN - INDEPENDENCE 4,5 - PIT DEMOLITION
1/4" = 1'-0"



5 FLOOR PLAN - PATRIOT ELEVATOR 10 - PIT DEMOLITION
1/4" = 1'-0"



6 FLOOR PLAN - VICTORY ELEVATOR 7,8 - PIT DEMOLITION
1/4" = 1'-0"

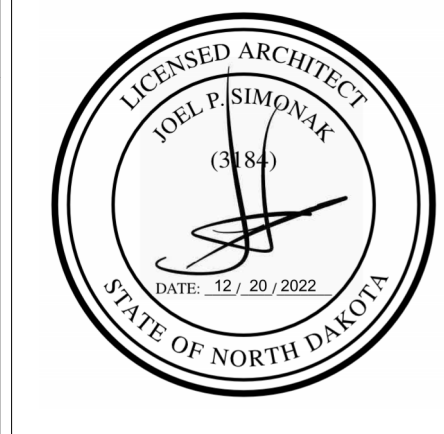


KEY PLAN

CONSULTANTS:

ARCHITECT/ENGINEERS

FOURFRONT DESIGN, INC.
517 7TH STREET
RAPID CITY, SOUTH DAKOTA
57701
PH: (605) 342-9470
FAX: (605) 342-2377
WWW.FOURFRONTDESIGN.COM



SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST
ST. PAUL, MINNESOTA 55103
(612) 387-7050



Drawing Title
ENLARGED PLANS - ELEVATOR PITS - DEMOLITION

Approved: Project Director
FARGO VAMC

Project Title
REFURBISH ELEVATORS AND REPLACE CONTROLS

Location
2101 ELM STREET
FARGO, ND 58102

Date
12.20.22

Checked
JS

Drawn
JE

Project Number
437-22-101

Building Number
1,946

Drawing Number
AD5.20

Dwg. 6 of 41

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

GENERAL NOTES:

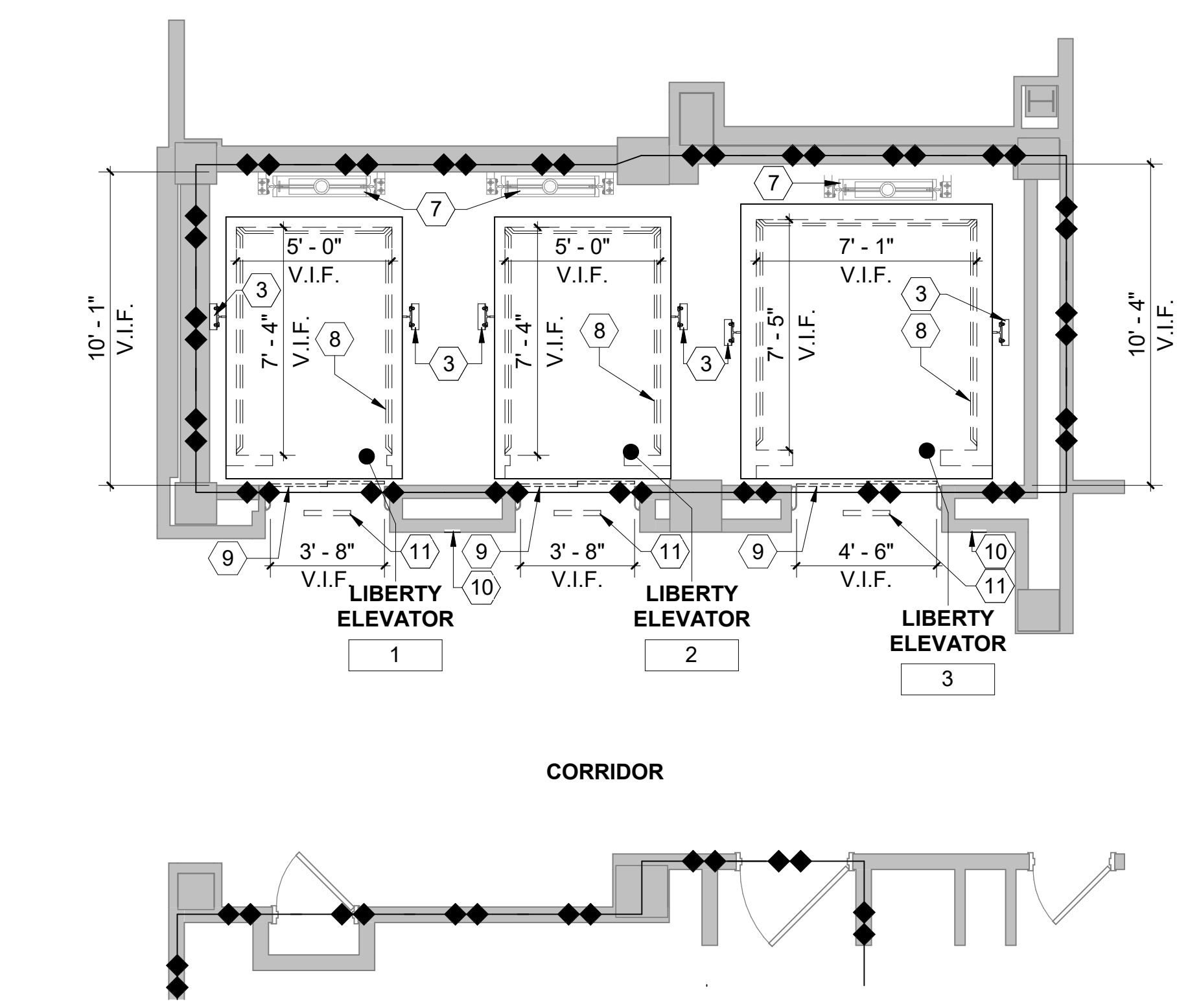
1. SHEET SIZE FOR PROPER SCALE IS 30"x42". CONTRACTOR SHALL NOT SCALE DRAWINGS BUT REQUEST THE DESIRED DIMENSIONS FROM THE CONTRACTING OFFICER REPRESENTATIVE.
2. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND TAKE PRECAUTIONARY MEASURES TO PROTECT AND MAINTAIN THEIR FUNCTION THROUGHOUT CONSTRUCTION.
3. ALL EXISTING AREAS AFFECTED BY THE SCOPE OF THIS WORK SHALL BE PATCHED AND/OR PAINTED AS REQUIRED TO MATCH THE EXISTING CONDITIONS. PAINTING SHALL BE GARBED BACK TO THE NEAREST CORNER, CEILING, DOOR FRAME, ETC.
4. ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF ALL APPLICABLE BUILDING CODES AND ALL VA STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLY WITH SUCH CODES, STANDARDS AND REGULATIONS.
5. ELEVATOR SHAFTS CANNOT BE LEFT UNPROTECTED (OPEN) AT THE END OF WORK ON ANY DAY. IF WORK WILL COMPROMISE THE FIRE RESISTANCE OF THE SHAFT, COORDINATE AND VERIFY 2-HOUR RATING FIRE/RISER RATED PARTITIONS ARE REQUIRED. CONTRACTOR SHALL PROTECT ADJACENT ROOMS FROM DAMAGE DURING CONSTRUCTION. REPAIR ANY DAMAGED ITEMS AND ASSEMBLIES TO TO THE PROJECT CONDITION IF DAMAGED DURING CONSTRUCTION.
6. SEE MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION. THE WORK SHALL BE COMPLETED IN A MANNER TO AVOID DISRUPTION OF PATIENT AND/OR STAFF ACCESS TO THE ELEVATORS FROM ANY LOBBY/LOOK. THE VAMC WILL BE FULLY OCCUPIED AND OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT.
7. CONTRACTOR SHALL FULLY COORDINATE PHASING AND SCHEDULES WITH THE CONTRACTING OFFICER PRIOR TO BEGINNING WORK.
8. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE COR IN ADVANCE. THE COR SHALL BE GIVEN ADVANCE NOTICE FOR ALL SITE VISITS BY THE CONTRACTOR AND THEIR SUBCONTRACTORS.
9. CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING DOORS AS REQUIRED FOR REMOVAL AND INSTALLATION OF NEW ELEVATOR EQUIPMENT.

KEYNOTES: #

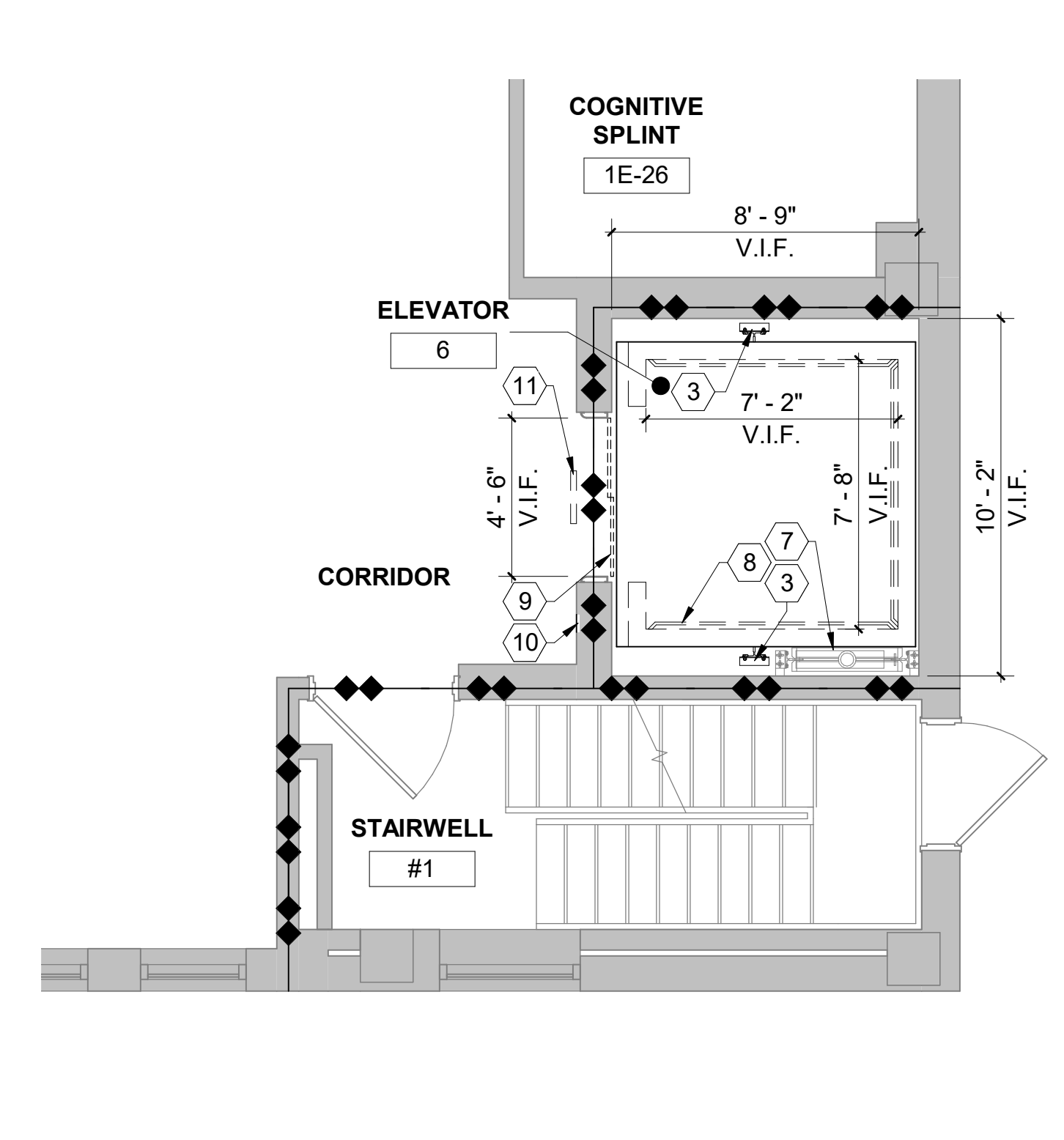
1. REMOVE AND DISPOSE OF EXISTING OIL BUFFERS.
2. COMPENSATION ASSEMBLY TO REMAIN AND BE REFINISHED.
3. EXISTING GUIDE RAILS TO REMAIN AND BE REFINISHED. REALIGN TO COORDINATE WITH NEW EQUIPMENT AND TIGHTEN ALL MOUNTING BRACKETS. TYPICAL AT ALL CAR AND COUNTERWEIGHT GUIDE RAILS. SEE NOTES BELOW FOR ELEVATORS 7 & 8.
4. REMOVE AND DISPOSE OF EXISTING GOVERNOR TENSION SHEAVE ASSEMBLY.
5. NOT USED.
6. EXISTING COUNTERWEIGHT PIT GUARD TO REMAIN. REBALANCE COUNTERWEIGHT AS REQUIRED.
7. EXISTING COUNTERWEIGHT ASSEMBLY TO REMAIN. REBALANCE COUNTERWEIGHT AS REQUIRED.
8. REFINISH AND REFINISH TO LIKE NEW CONDITION. REMOVE EXISTING CAR PLATFORM AND ENCLOSURE AND PROVIDE NEW CAR PLATFORM AND ENCLOSURE. PASSENGER CAR FRAMES SHALL REMAIN AND BE REFINISHED.
9. REMOVE AND DISPOSE OF EXISTING HOISTWAY DOOR PANELS. ENTRANCE FRAMES TO BE REGRAD.
10. CAREFULLY REMOVE EXISTING HALL CALL STATIONS AND PREPARE SUBSTRATE FOR NEW HALL CALL STATIONS. SEE LOBBY ELEVATIONS ON SHEET AS 30.
11. CAREFULLY REMOVE EXISTING LANDING POSITION INDICATORS. TYPICAL FOR ALL HOISTWAY ENTRANCES. SEE LOBBY ELEVATIONS ON SHEET AS 30.
12. EXISTING METAL PIT LADDER TO REMAIN.
13. NOT USED.
14. REPLACE EXISTING LOWER SECTION OF COUNTERWEIGHT ASSEMBLY GUIDERAILS IN ELEVATOR 7 AND 8 (APPROX 20 LF AT EACH RAIL). BALANCE COUNTERWEIGHT AS REQUIRED.
15. REPLACE LOWER SECTION OF EXISTING GUIDE RAILS (APPROX 20LF AT EACH RAIL) DUE TO WATER DAMAGE. APPLIES TO ELEVATOR 7 AND 8 ONLY.

FIRE BARRIER LEGEND

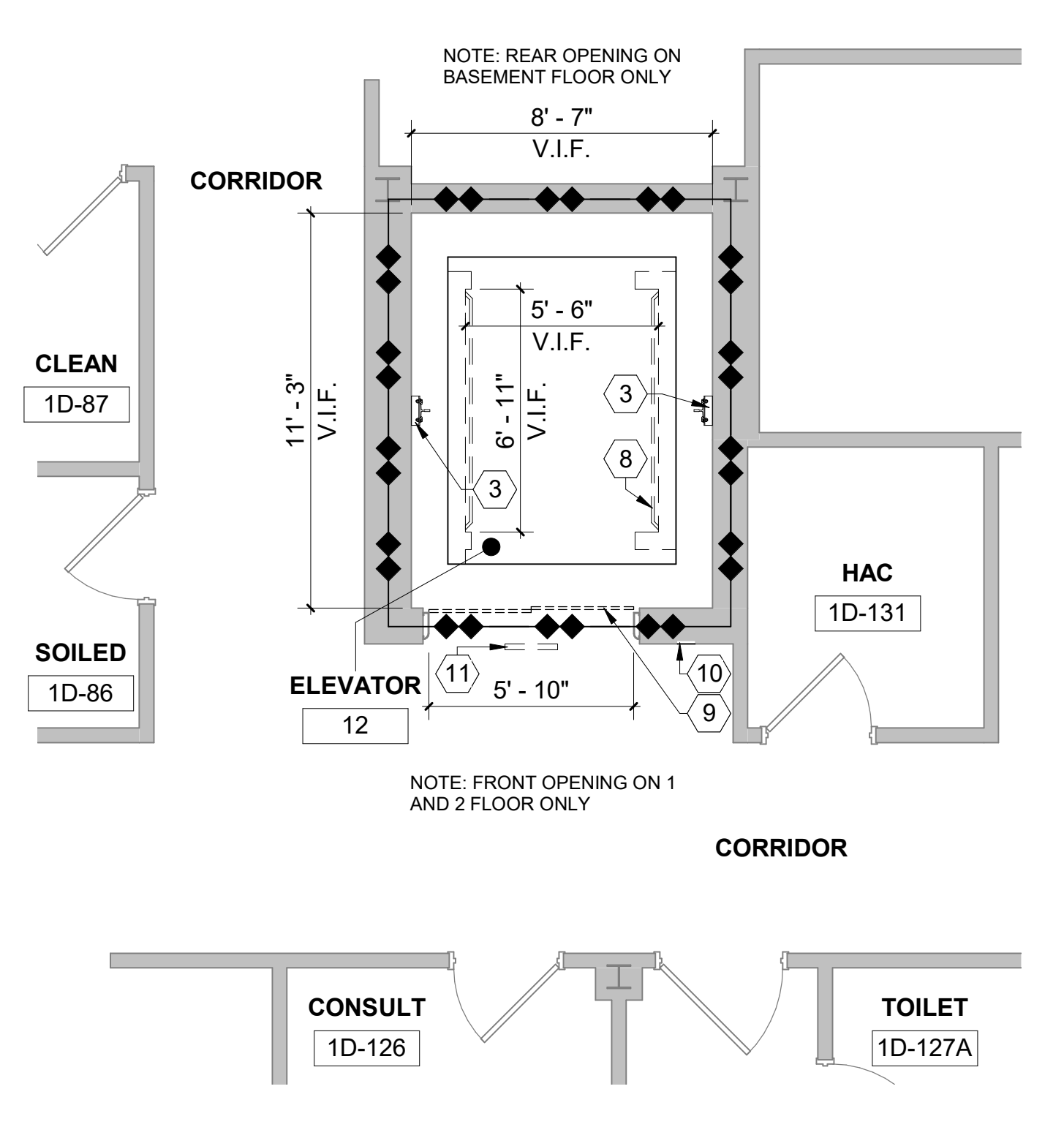
EXISTING 2 HOUR FIRE RATED PARTITION



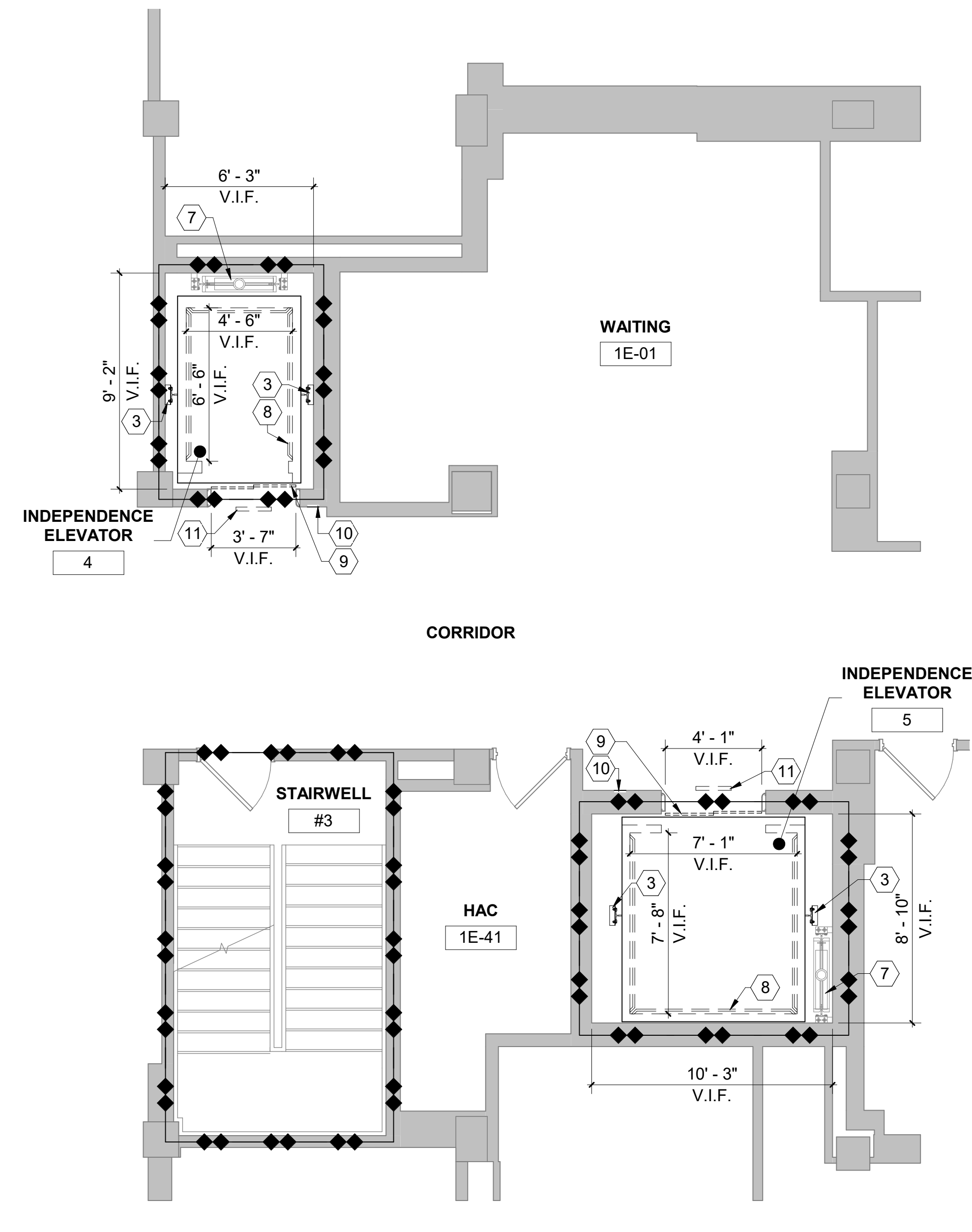
1 FLOOR PLAN - LIBERTY 1,2,3 - DEMOLITION TYPICAL
1/4" = 1'-0"



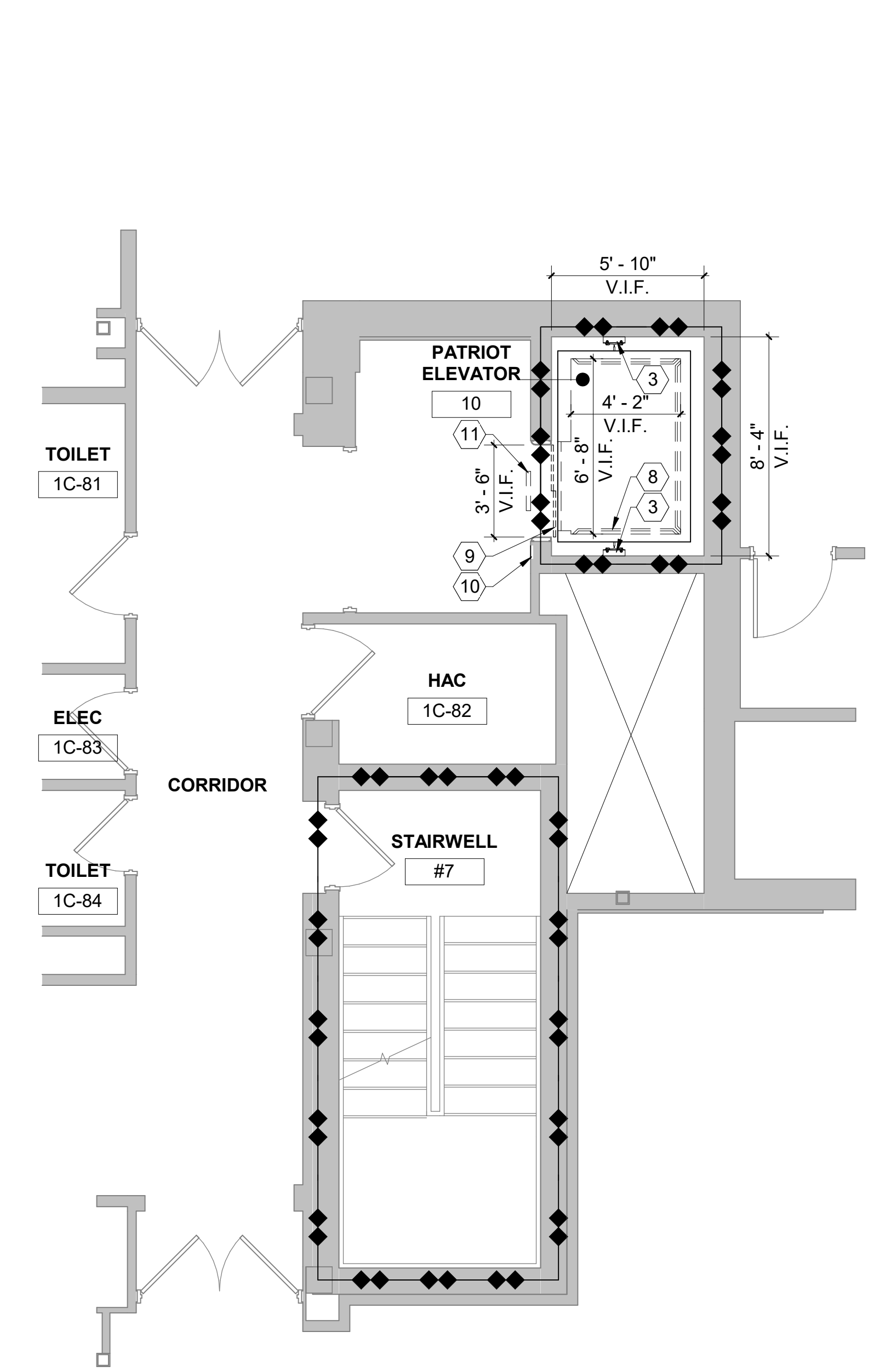
2 FLOOR PLAN - ELEVATOR 6 - DEMOLITION TYPICAL
1/4" = 1'-0"



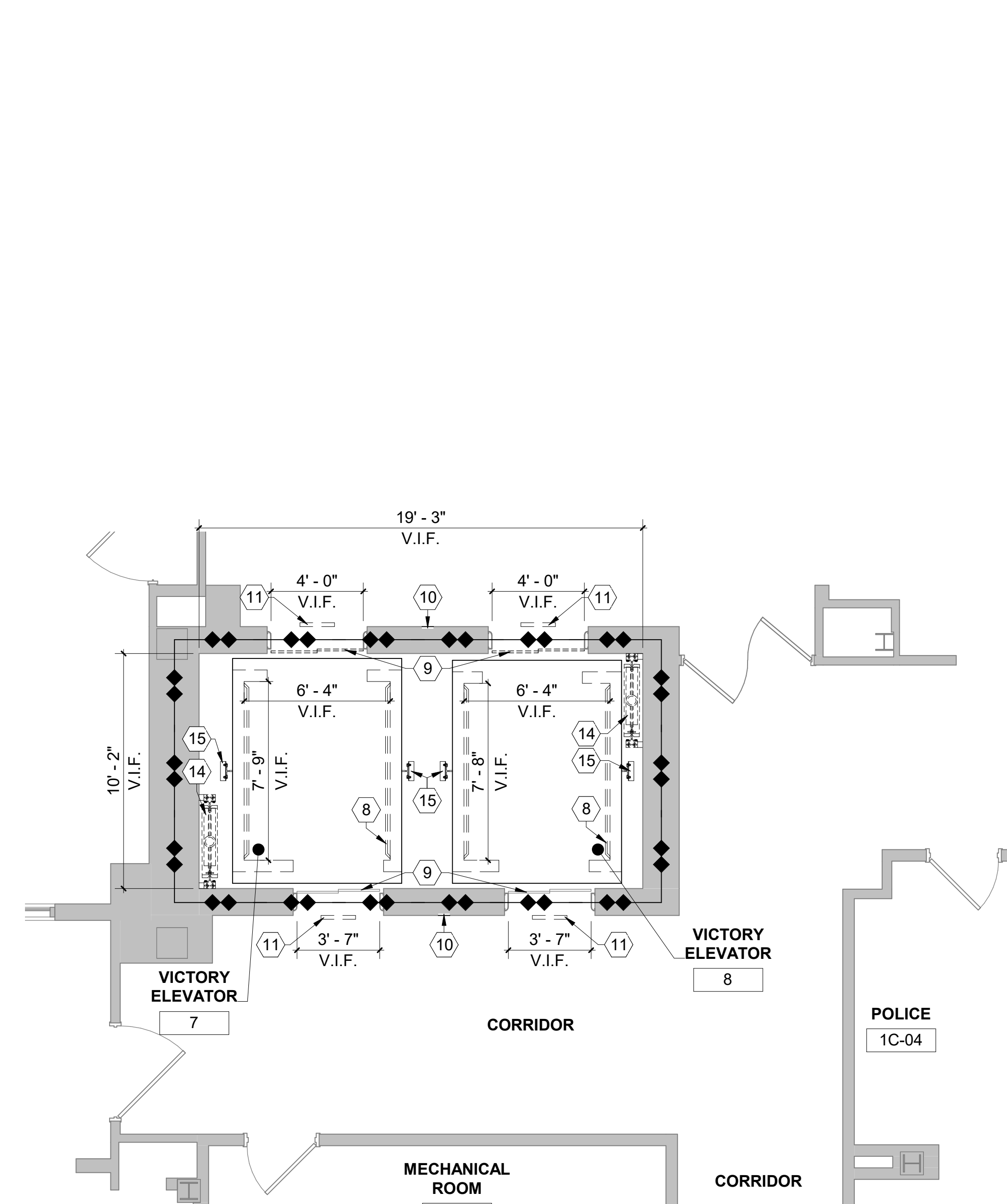
3 FLOOR PLAN - ELEVATOR 12 - DEMOLITION TYPICAL
1/4" = 1'-0"



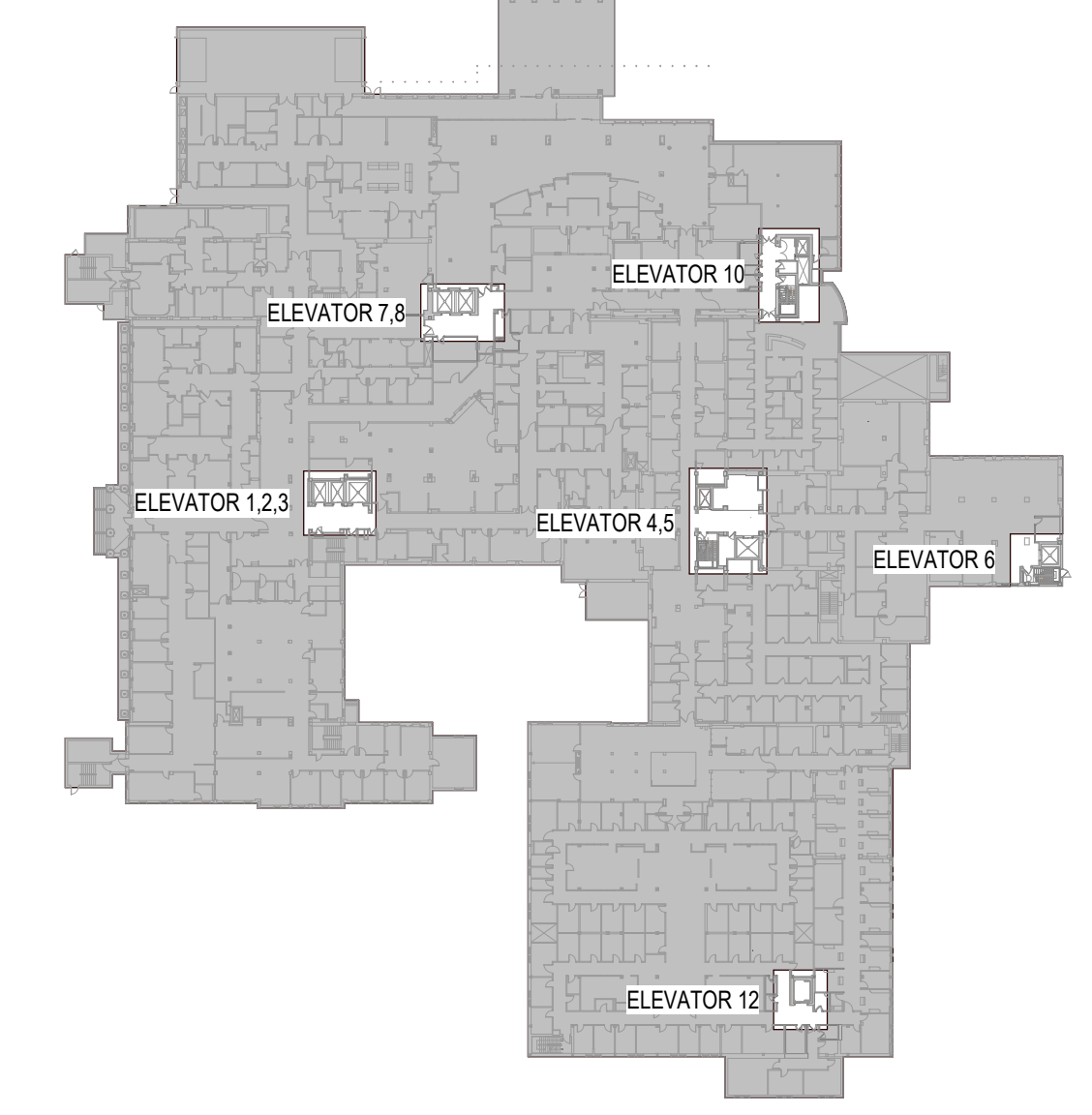
4 FLOOR PLAN - INDEPENDENCE 4,5 - DEMOLITION TYPICAL
1/4" = 1'-0"



5 FLOOR PLAN - PATRIOT ELEVATOR 10 - DEMOLITION TYPICAL
1/4" = 1'-0"

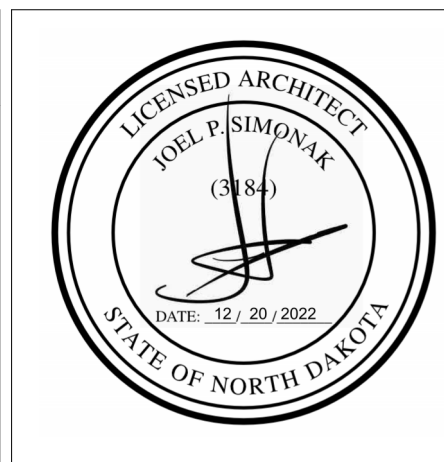
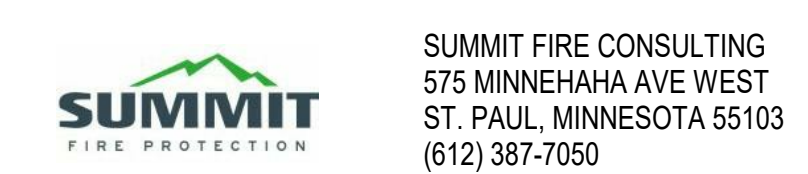


6 FLOOR PLAN - VICTORY ELEVATOR 7,8 - DEMOLITION TYPICAL
1/4" = 1'-0"



KEY PLAN

CONSULTANTS:



ARCHITECT/ENGINEERS

FOURFRONT DESIGN INC.
517 7TH STREET
RAPID CITY, SOUTH DAKOTA
57701
PH: (605) 342-9470
FAX: (605) 342-2377
WWW.FOURFRONTDESIGN.COM

Drawing Title
ENLARGED PLANS - DEMOLITION

Approved: Project Director
FARGO VAMC

Project Title
REFURBISH ELEVATORS AND REPLACE CONTROLS

Location
**2101 ELM STREET
FARGO, ND 58102**

Date
12.20.22

Checked
JS

Drawn
JE

Project Number
437-22-101

Building Number
1,946

Drawing Number
AD5.21

Dwg. 7 of 41

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

Addendum #2	03.05.2024
Revisions:	Date

352024 3:46:10 PM

GENERAL NOTES:

1. SHEET SIZE FOR PROPER SCALE IS 30"x42". CONTRACTOR SHALL NOT SCALE DRAWINGS BUT REQUEST THE DESIRED DIMENSIONS FROM THE CONTRACTING OFFICER REPRESENTATIVE.
2. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND TAKE PRECAUTIONARY MEASURES TO PROTECT AND MAINTAIN THEIR FUNCTION THROUGHOUT CONSTRUCTION.
3. ALL EXISTING AREAS AFFECTED BY THE SCOPE OF THIS WORK SHALL BE PATCHED AND/OR PAINTED AS REQUIRED TO MATCH THE EXISTING CONDITIONS. PAINTING SHALL BE CARRIED BACK TO THE NEAREST CORNER, CEILING, DOOR FRAME, ETC.
4. ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF ALL APPLICABLE BUILDING CODES AND ALL VA STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLY WITH SUCH CODES, STANDARDS AND REGULATIONS.
5. ELEVATOR SHAFTS CANNOT BE LEFT UNPROTECTED (OPEN) AT THE END OF ANY DAY. IF WORK WILL COMPROMISE THE FIRE RESISTANCE OF THE SHAFT, COORDINATE AND VERIFY 2-HOUR RATING FIRE/SMOKE RATED PARTITIONS ARE REQUIRED. CONTRACTOR SHALL PROTECT ADJACENT ROOMS FROM DAMAGE DURING CONSTRUCTION. REPAIR ANY DAMAGED ITEMS AND ASSEMBLIES TO PRE-PROJECT CONDITION IF DAMAGED DURING CONSTRUCTION.
6. SEE MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION. THE WORK SHALL BE COMPLETED IN A MANNER TO AVOID DISRUPTION OF PATIENT AND/OR STAFF ACCESS TO THE ELEVATORS FROM ANY LOBBY/FLOOR. THE VAMC WILL BE FULLY OCCUPIED AND OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL FULLY COORDINATE PHASING AND SCHEDULES WITH THE CONTRACTING OFFICER PRIOR TO BEGINNING WORK.
7. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE COR IN ADVANCE. THE COR SHALL BE GIVEN ADVANCE NOTICE FOR ALL SITE VISITS BY THE CONTRACTOR AND THEIR SUBCONTRACTORS. CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING DOORS AS REQUIRED FOR REMOVAL AND INSTALLATION OF NEW ELEVATOR EQUIPMENT.

KEYNOTES: #

1. REMOVE AND DISPOSE OF EXISTING HOISTWAY DC MOTOR AND PREPARE EXISTING MOUNTING LOCATION AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE NEW AC GEARED HOISTWAY MOTOR.
2. REMOVE AND DISPOSE OF EXISTING ELEVATOR CONTROLLER AND ASSOCIATED RACEWAY. THE CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING ELECTRICAL ISOLATION TRANSFORMER.
3. PROTECT AND MAINTAIN EXISTING AIR HANDLER AND ALL ASSOCIATED ELECTRICAL.
4. CAREFULLY REMOVE EXISTING RAILING AS REQUIRED FOR REMOVAL AND REPLACEMENT OF HOISTWAY MOTORS. REINSTALL TO MATCH CURRENT CONDITION.
5. PROTECT AND MAINTAIN EXISTING SEALED CONCRETE FLOORS THROUGHOUT THE PROJECT. FLOORS SHALL MATCH CURRENT CONDITION UPON COMPLETION.
6. EXISTING FLOOR HATCH.
7. NOT USED.
8. EXISTING CONCRETE COLUMN.
9. REMOVE AND DISPOSE OF EXISTING GOVERNOR.
10. REMOVE AND DISPOSE OF EXISTING HYDROLIC PUMP ASSEMBLY. SEE MEP DRAWINGS FOR FURTHER DETAIL.
11. REMOVE AND DISPOSE OF EXISTING HYDROLIC ELEVATOR CONTROLLER. SEE MEP DRAWINGS FOR FURTHER DETAIL.
12. REMOVE EXISTING PAINTED GYPSUM BOARD CEILING TO THE EXTENT SHOWN ON DRAWINGS.
13. CONTRACTOR TO SAWCUT AND REMOVE EXISTING FLOOR SLAB AS REQUIRED FOR THE PLUMBER TO INSTALL UNDERSLAB DRAINAGE LINE. SEE MECH.
14. EXISTING WALL SURFACE WILL BE REMOVED PER THE ASBESTOS ABATEMENT PLAN ON DRAWING SHEET HA101.
- 15.

FIRE BARRIER LEGEND

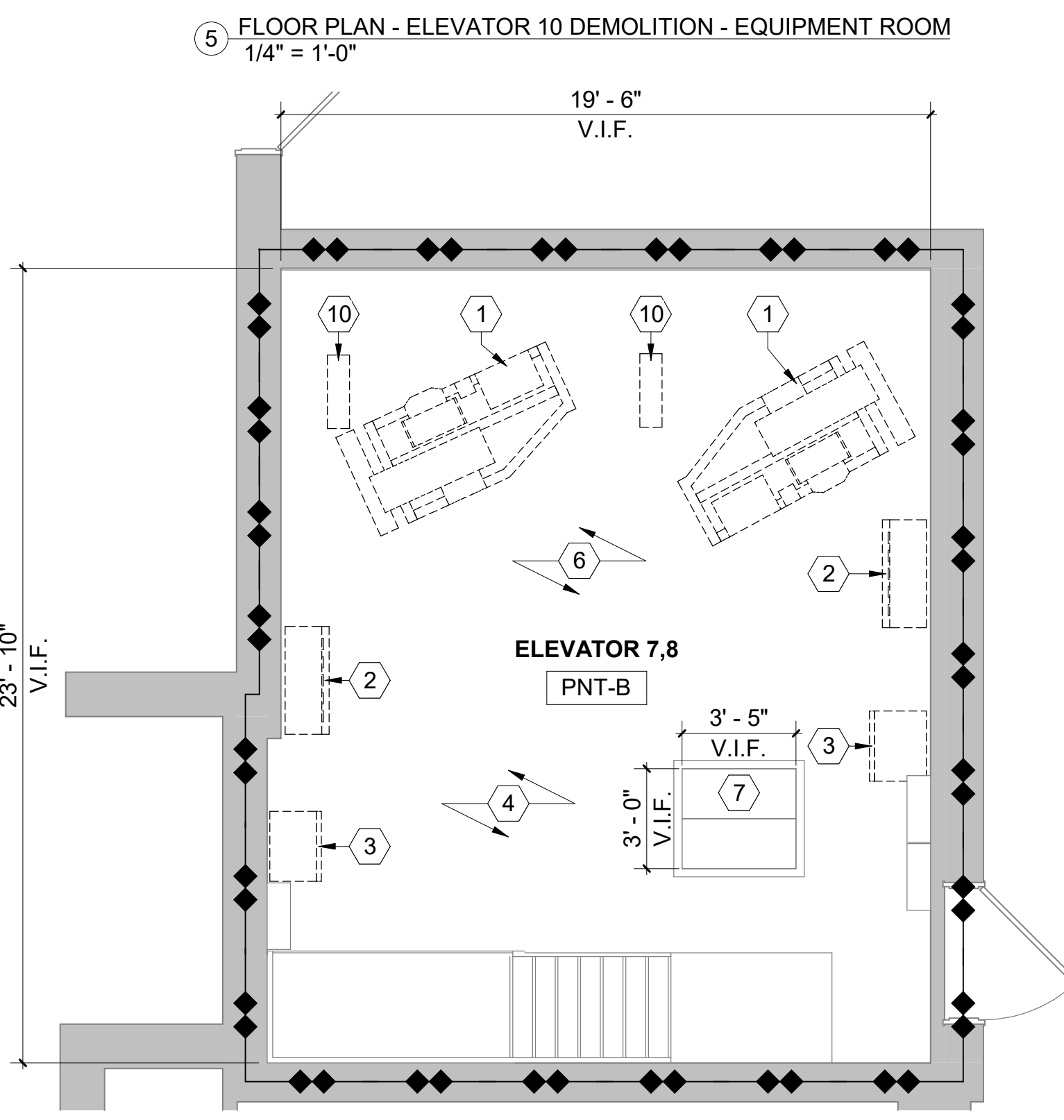
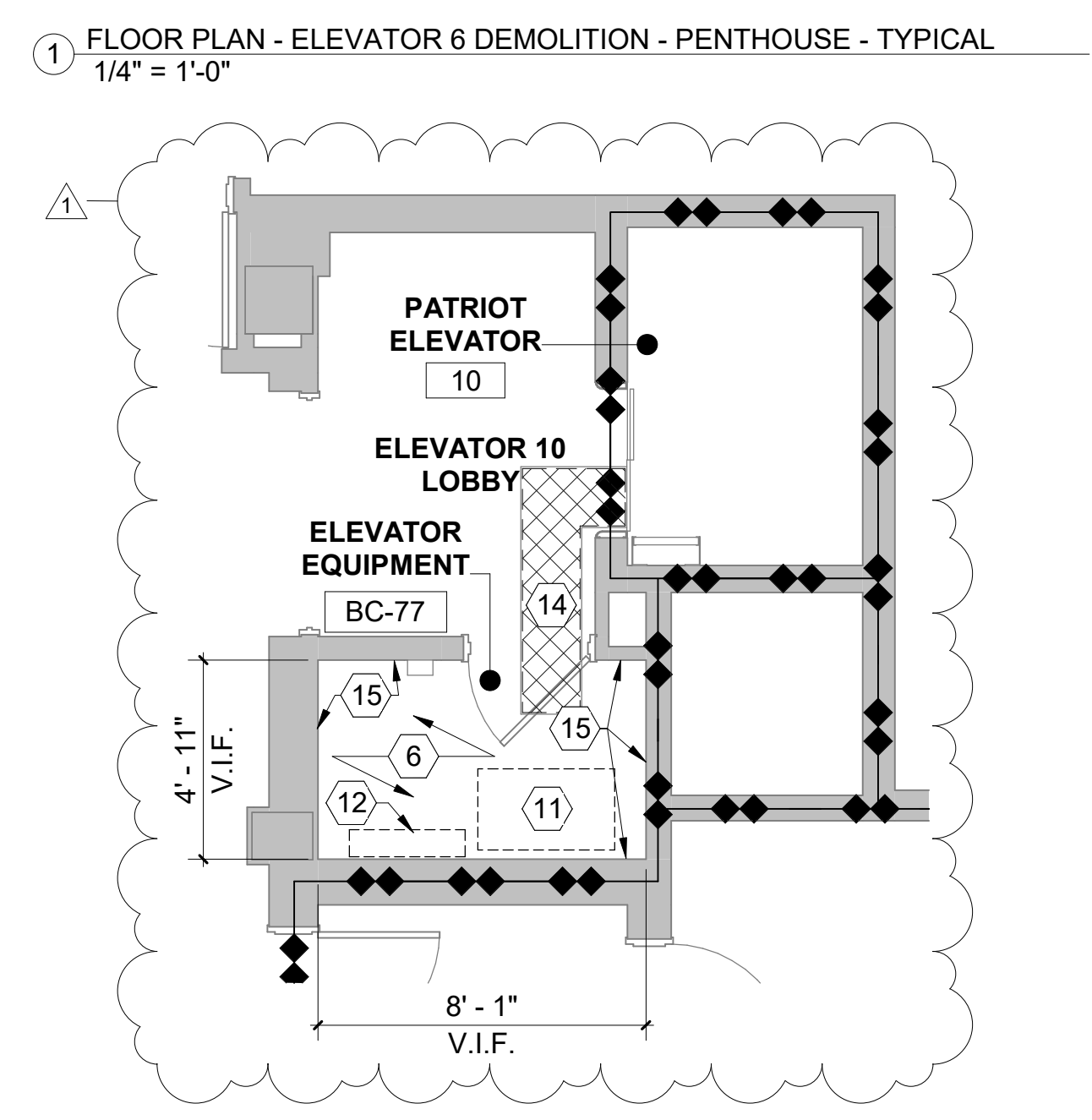
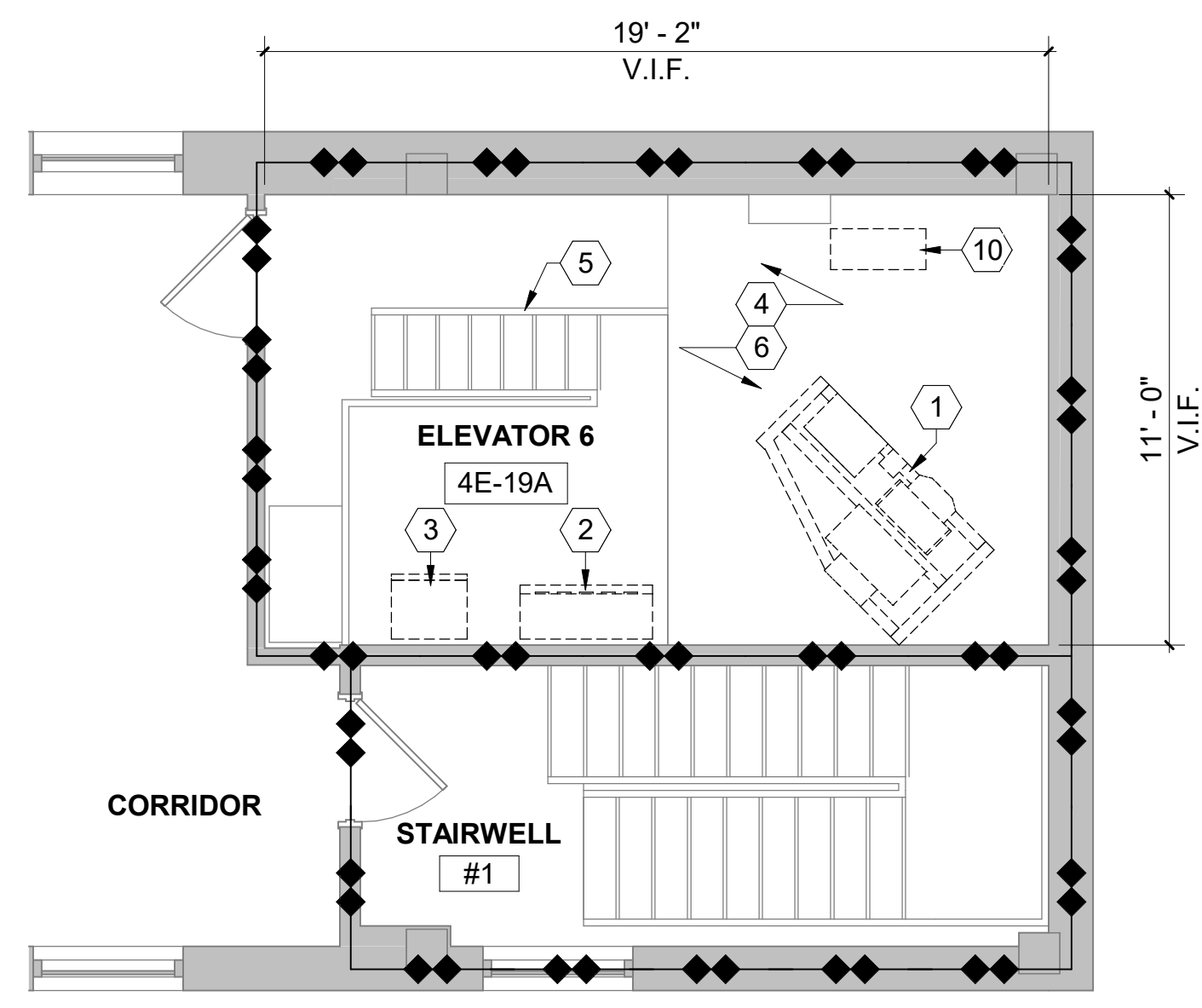
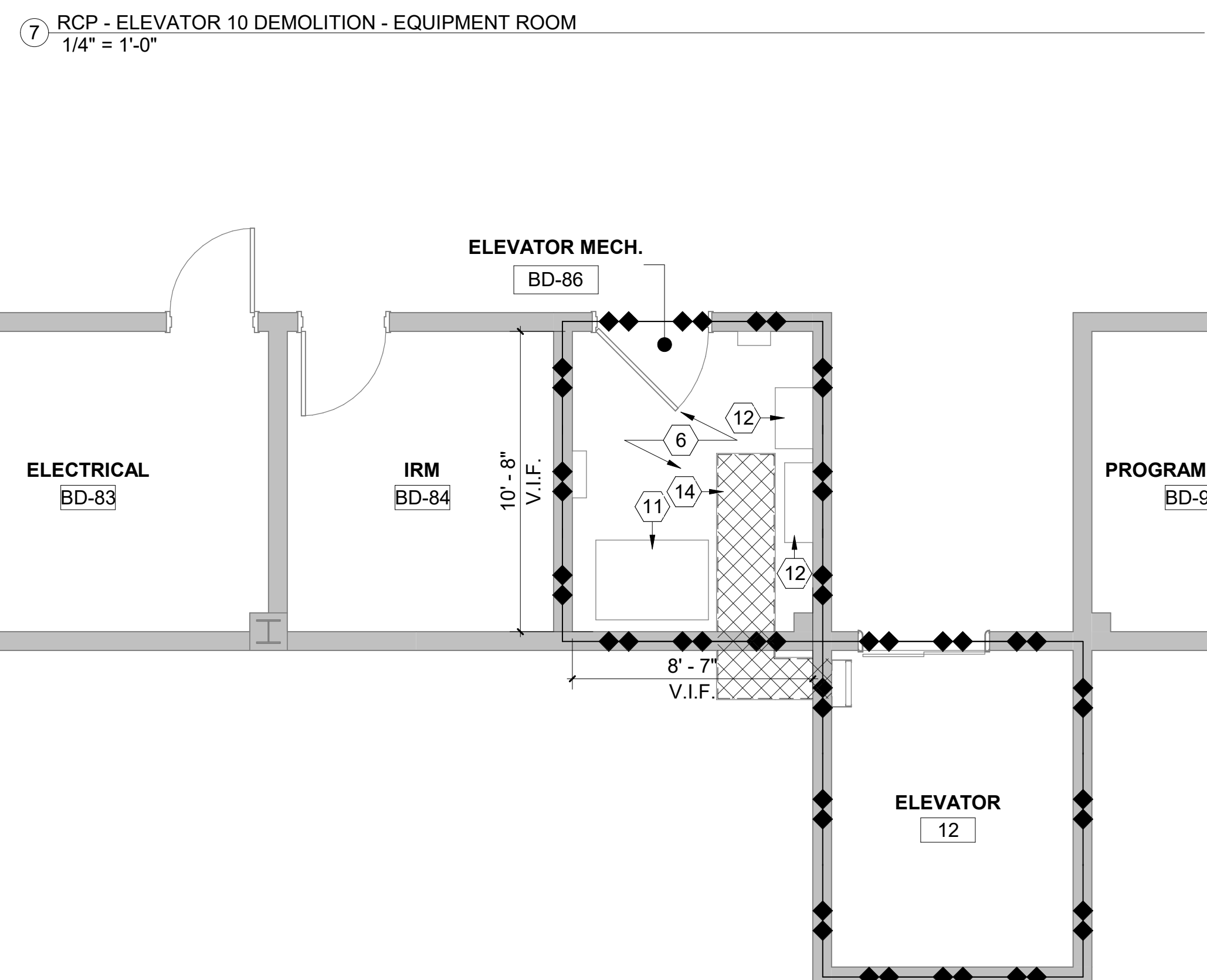
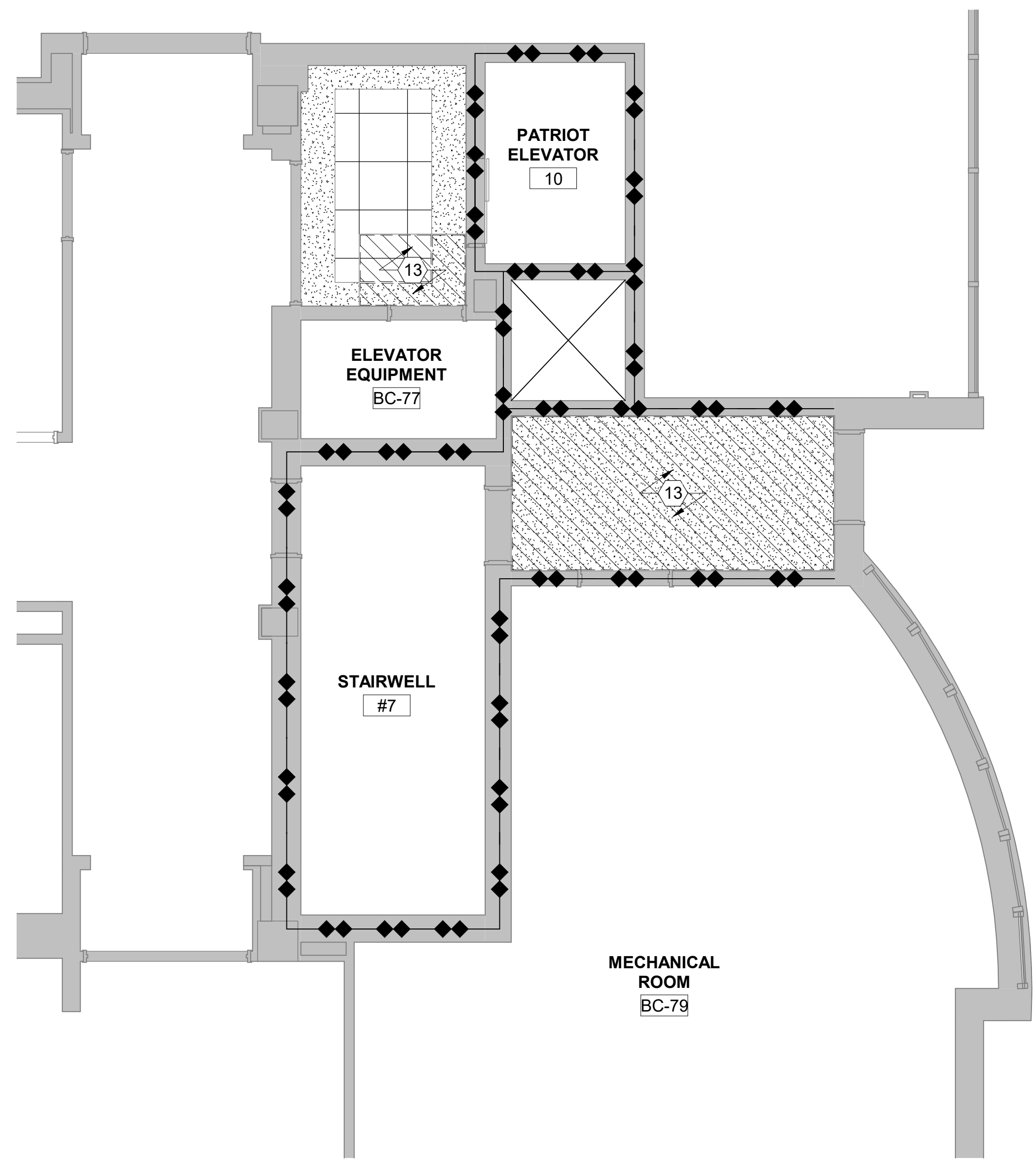
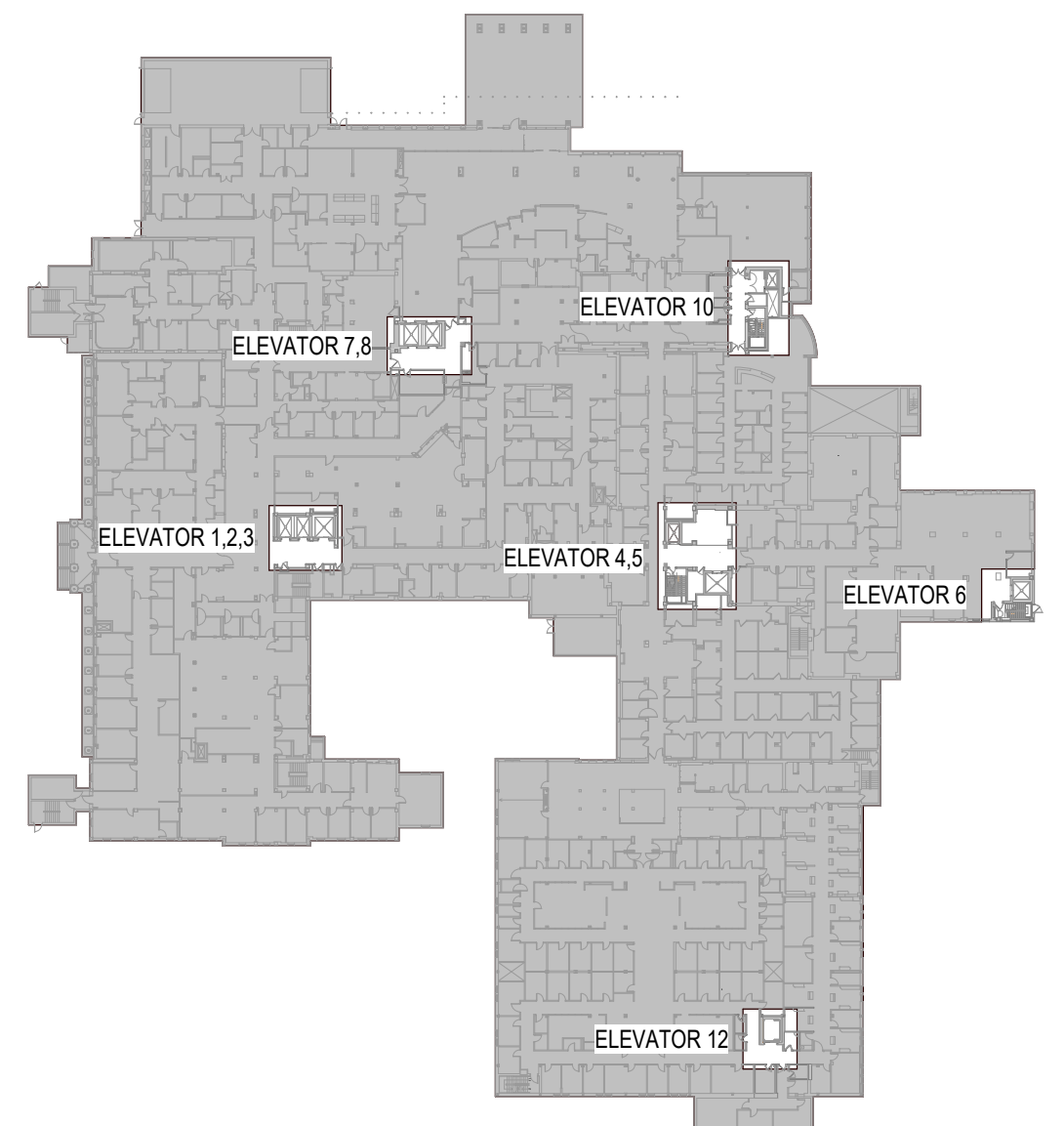
EXISTING 2 HOUR FIRE RATED PARTITION

DEMOLITION LEGEND

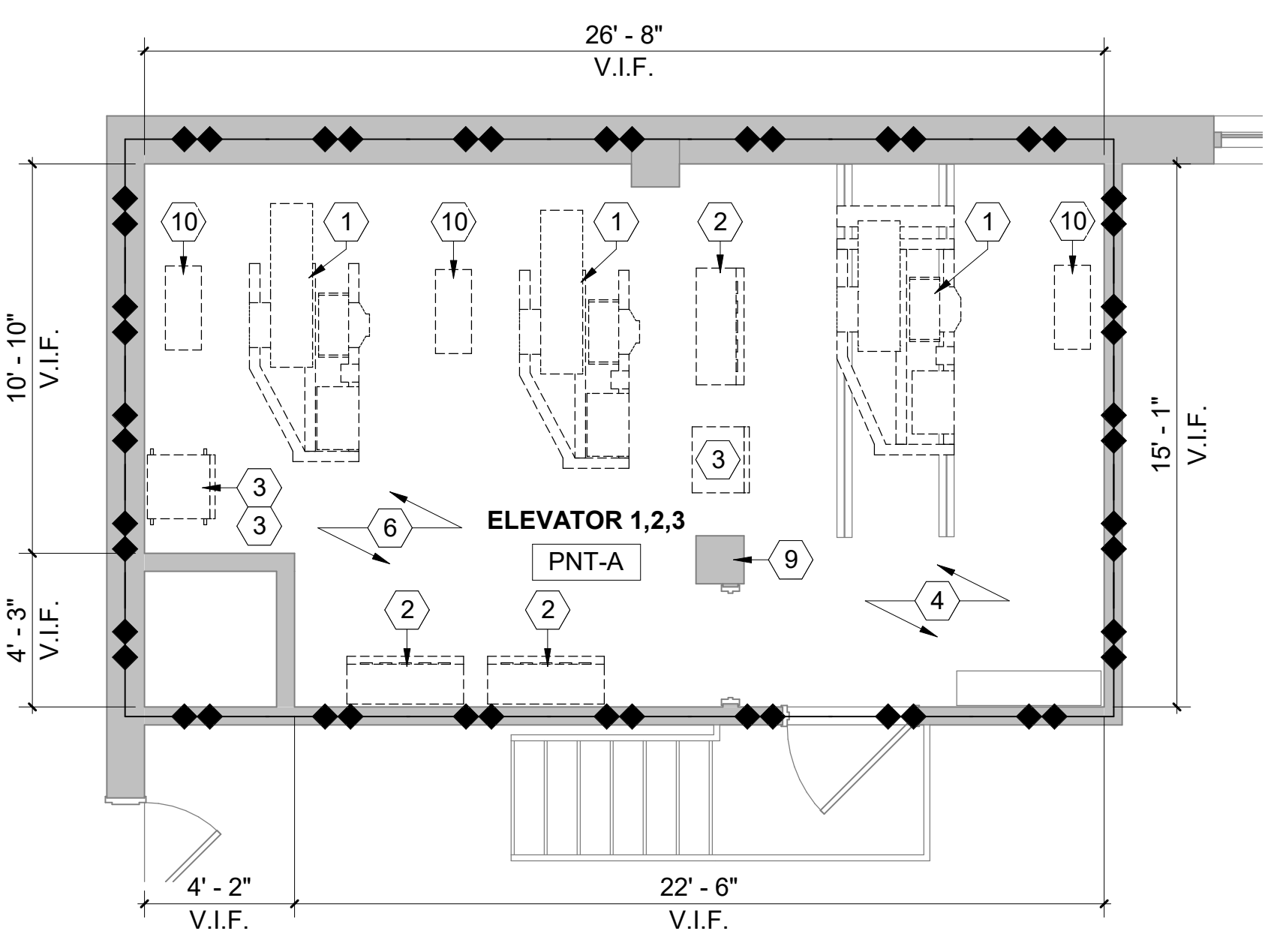
SCOPE OF CEILING DEMOLITION WORK ASSOCIATED WITH NEW ABOVE CEILING PIPING. SEE MECHANICAL DRAWINGS.

SCOPE OF FLOOR DEMOLITION WORK ASSOCIATED WITH NEW FLOOR PIPING. SEE MECHANICAL DRAWINGS.

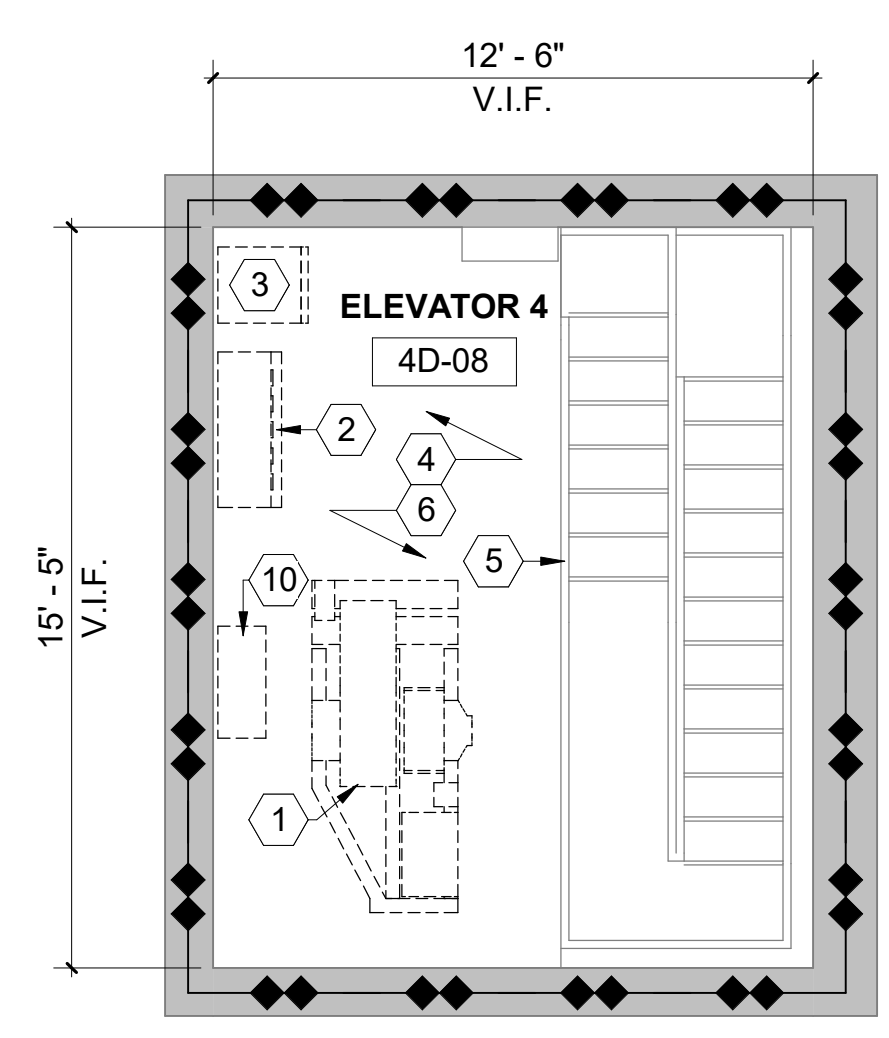
KEY PLAN



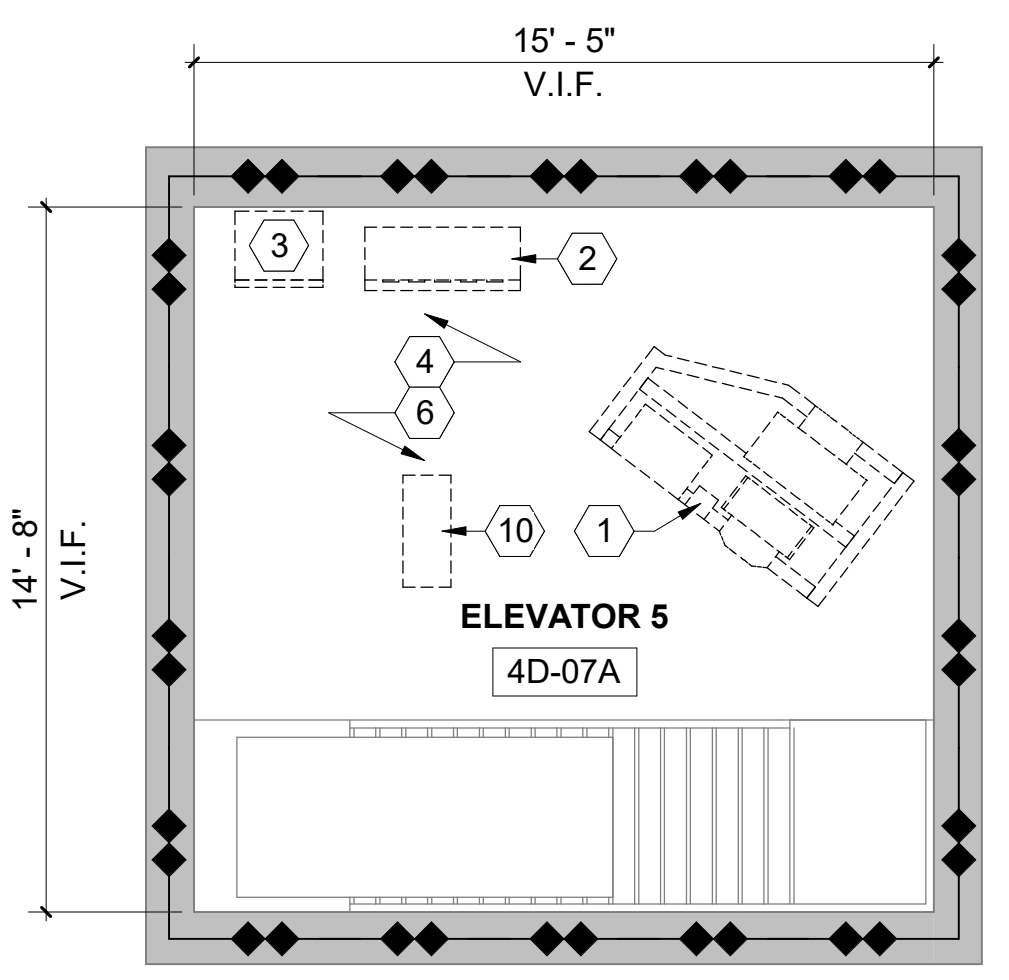
7 RCP - ELEVATOR 10 DEMOLITION - EQUIPMENT ROOM
1/4" = 1'-0"



2 FLOOR PLAN - LIBERTY 1,2,3 - PENTHOUSE DEMOLITION
1/4" = 1'-0"



4 FLOOR PLAN - INDEPENDENCE 4,5 - PENTHOUSE DEMOLITION
1/4" = 1'-0"



3 FLOOR PLAN - VICTORY ELEVATOR 7,8 - PENTHOUSE DEMOLITION
1/4" = 1'-0"

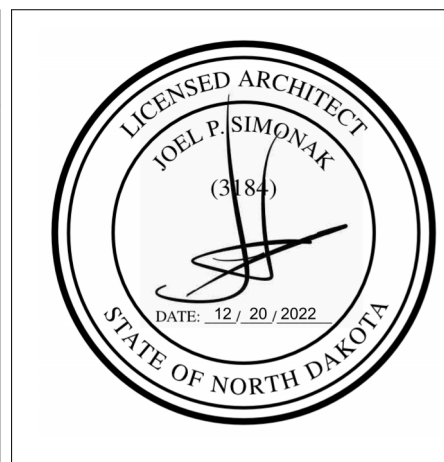
6 FLOOR PLAN - ELEVATOR 12 DEMOLITION - EQUIPMENT ROOM
1/4" = 1'-0"

CONSULTANTS:

ADDITION #1	03.08.2024
Revisions:	Date

SUMMIT
FIRE PROTECTION

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST
ST. PAUL, MINNESOTA 55103
(612) 387-7050



ARCHITECT/ENGINEERS

FOURFRONT
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517 7TH STREET
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57701
PH: (605) 342-9470
FAX: (605) 342-2377
WWW.FOURFRONTDESIGN.COM

Drawing Title
ENLARGED PLANS - PENTHOUSE / EQUIPMENT ROOMS - DEMOLITION

Approved: Project Director
FARGO VAMC

Project Title
REFURBISH ELEVATORS AND REPLACE CONTROLS

Location
2101 ELM STREET
FARGO, ND 58102

Date
12.20.22

Checked
JS

Drawn
JE

Project Number
437-22-101

Building Number
1,946

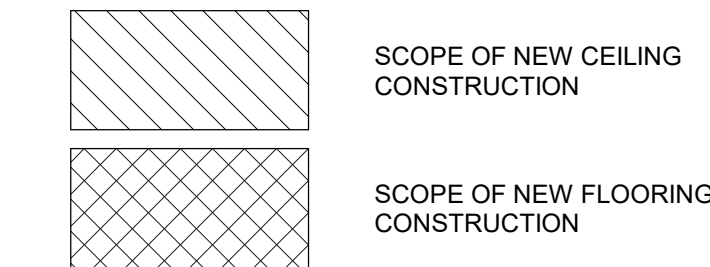
Drawing Number
AD5.22

Dwg. 8 of 41

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

FLOOR PLAN LEGEND



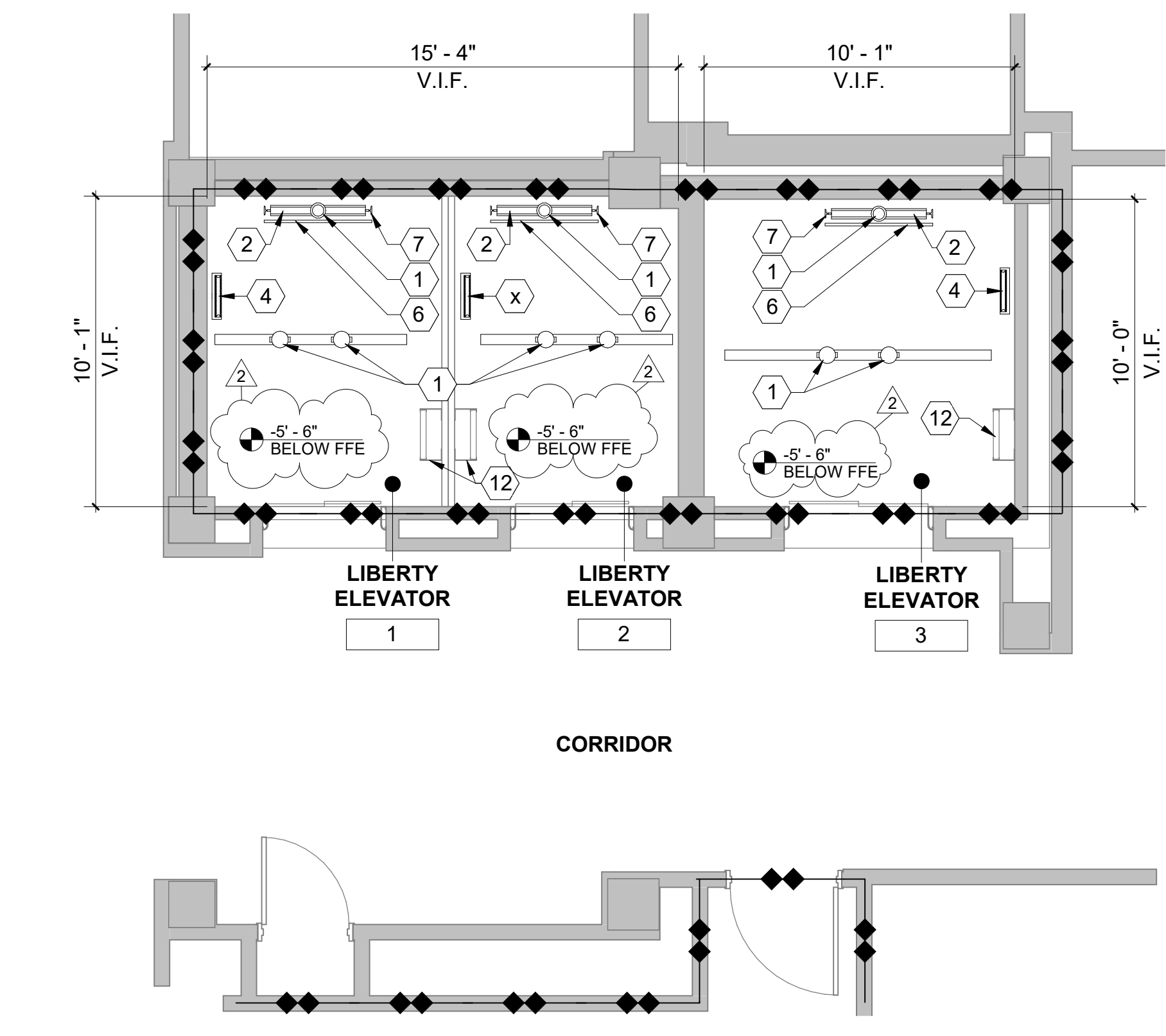
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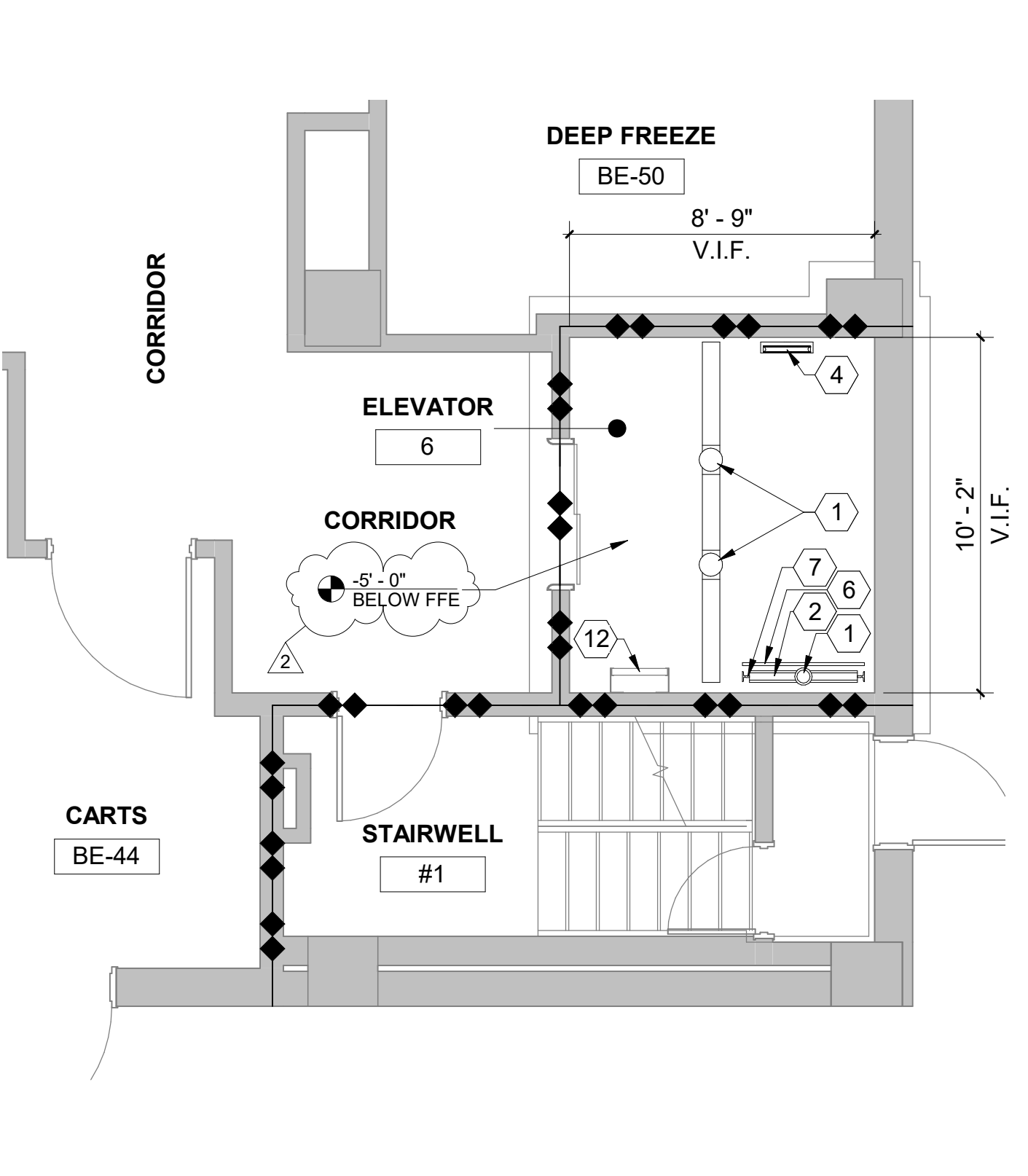
KEYNOTES: #

1. NEW OIL BUFFERS.
2. COMPENSATION ASSEMBLY TO REMAIN AND BE REFURBISHED.
3. EXISTING GUIDE RAILS TO REMAIN AND BE REFURBISHED. REALIGN TO COORDINATE WITH NEW EQUIPMENT AND TIGHTEN ALL MOUNTING BRACKETS. TYPICAL AT ALL CAR AND COUNTERWEIGHT GUIDE RAILS SEE NOTES BELOW FOR ELEVATORS 7 & 8.
4. NEW GOVERNOR TENSION SHEAVE ASSEMBLY. NOT USED.
5. EXISTING COUNTERWEIGHT PIT GUARD TO REMAIN. EXISTING COUNTERWEIGHT ASSEMBLY TO REMAIN. REBALANCE COUNTERWEIGHT AS REQUIRED.
6. REFURBISH AND REFINISH TO LIKE NEW CONDITION. NEW CAR PLATFORM AND ENCLOSURE. CAR FRAMES SHALL REMAIN AND BE REFURBISHED. SEE DETAILS ON SHEETS A5.49.
7. NEW HOISTWAY DOOR PANELS. ENTRANCE FRAMES TO BE RECLAD. ALSO REMOVE ANY ADHESIVE FROM PREVIOUSLY MOUNTED SIGNAGE. TYPICAL FOR ALL ENTRANCES.
8. NEW HALL CALL STATIONS. SEE LOBBY ELEVATIONS ON SHEET A5.30 AND DETAILS ON A5.40.
9. NEW DIGITAL LANDING LANTERNS. TYPICAL FOR ALL HOISTWAY ENTRANCES. SEE LOBBY ELEVATIONS ON SHEET A5.30.
10. EXISTING METAL PIT LADDER TO REMAIN. NOT USED.
11. RESILIENT TILE FLOORING. SEE SPECIFICATIONS.
12. NEW LOWER SECTION OF GUIDE RAILS (APPROX 20 LF AT EACH RAIL. INSTALL TO COORDINATE WITH OTHER NEW EQUIPMENT. PROVIDE NEW MOUNTING BRACKETS. APPLIES TO ELEVATOR 7 AND 8 ONLY DUE TO WATER DAMAGE.
13. NEW LOWER SECTION OF COUNTERWEIGHT RAILS. INSTALL TO COORDINATE WITH OTHER NEW EQUIPMENT. PROVIDE NEW MOUNTING BRACKETS. APPLIES TO ELEVATOR 7 AND 8 ONLY DUE TO WATER DAMAGE. EXISTING HYDRAULIC PISTON JACK TO BE REUSED. REPACK ENTIRE ASSEMBLY.
14. PATCH AND REPAIR FLOOR SLAB TO MATCH EXISTING CONDITIONS.

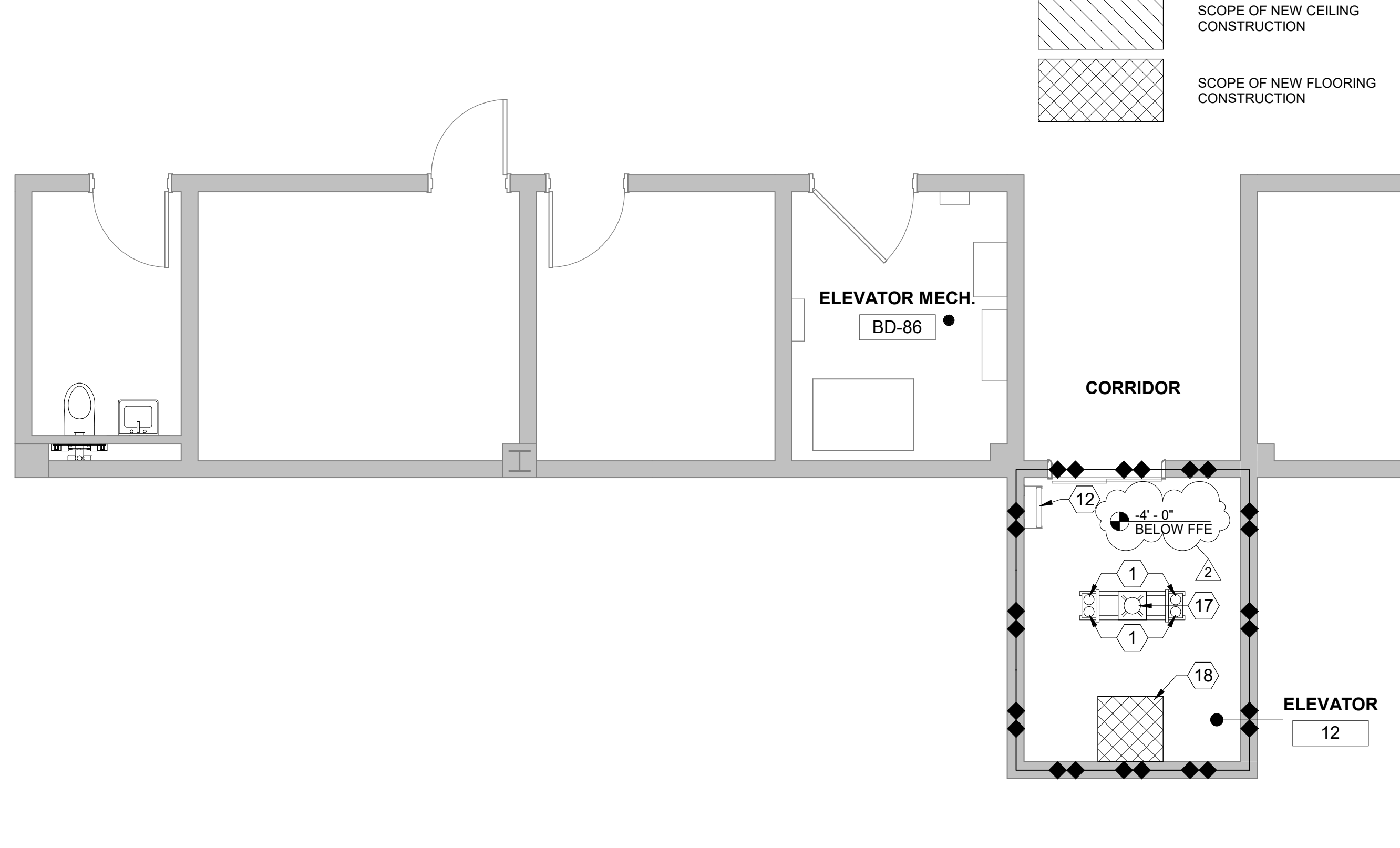
FIRE BARRIER LEGEND



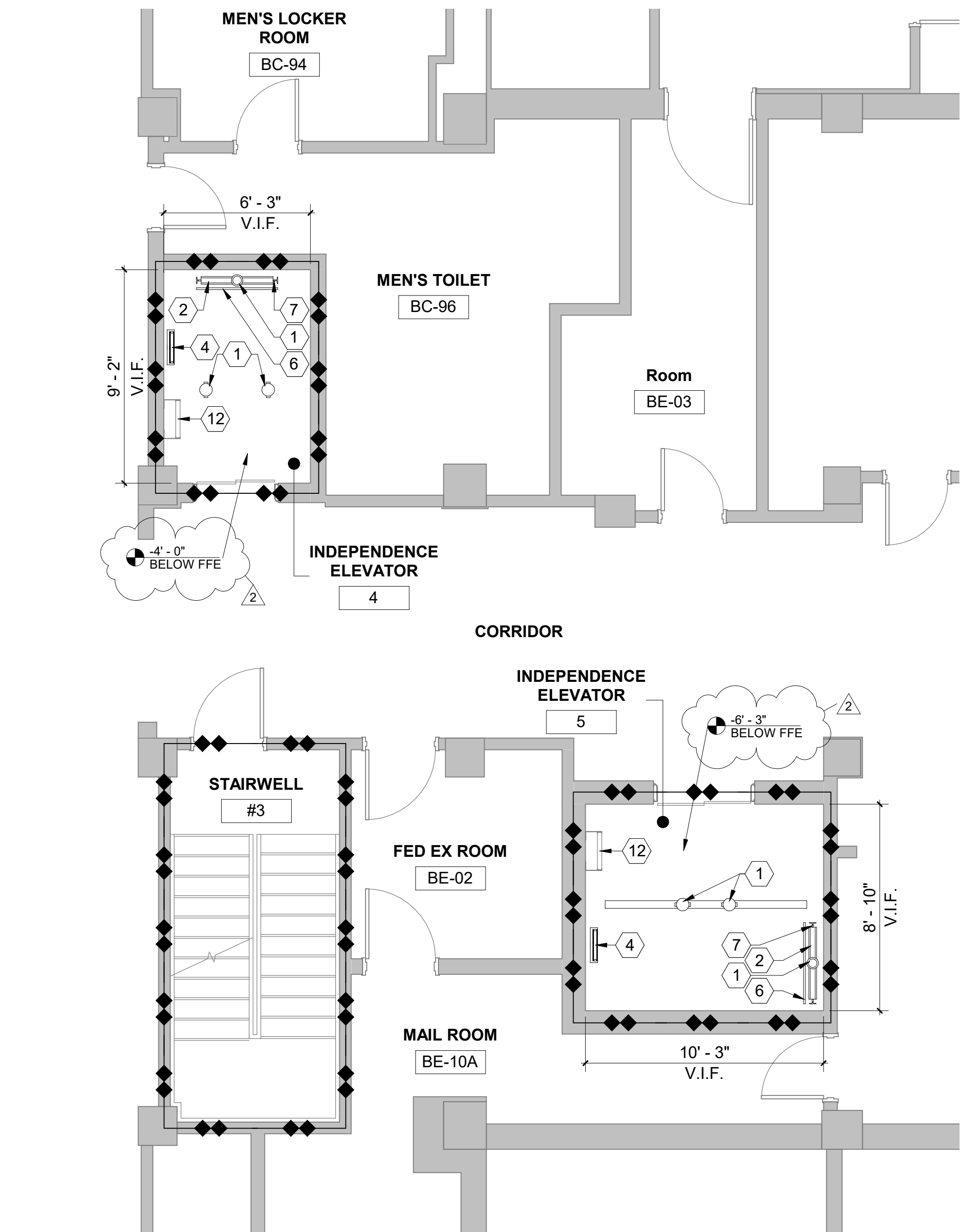
1 FLOOR PLAN - LIBERTY 1,2,3 - PIT
1/4" = 1'-0"



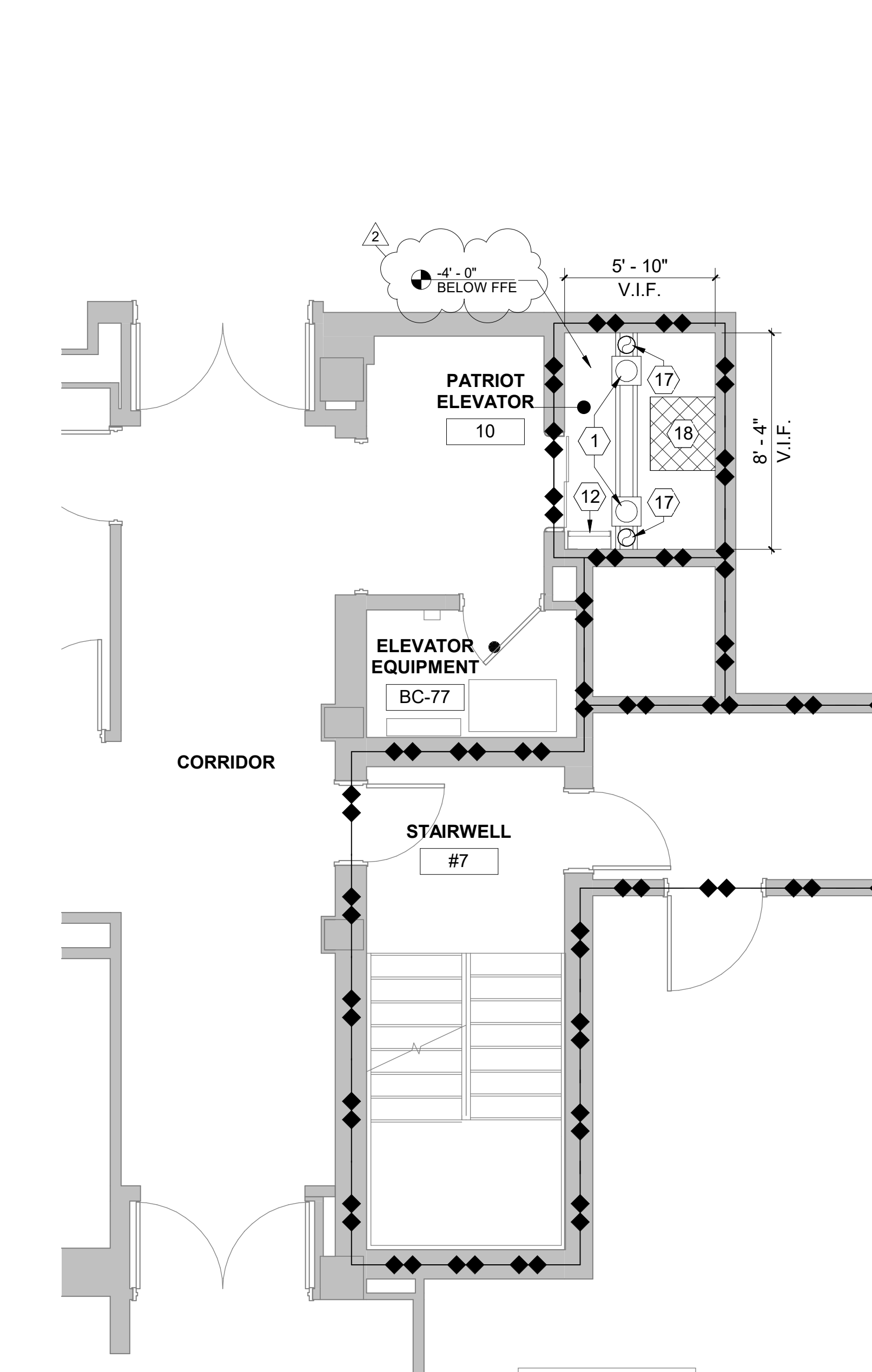
2 FLOOR PLAN - ELEVATOR 6 - PIT
1/4" = 1'-0"



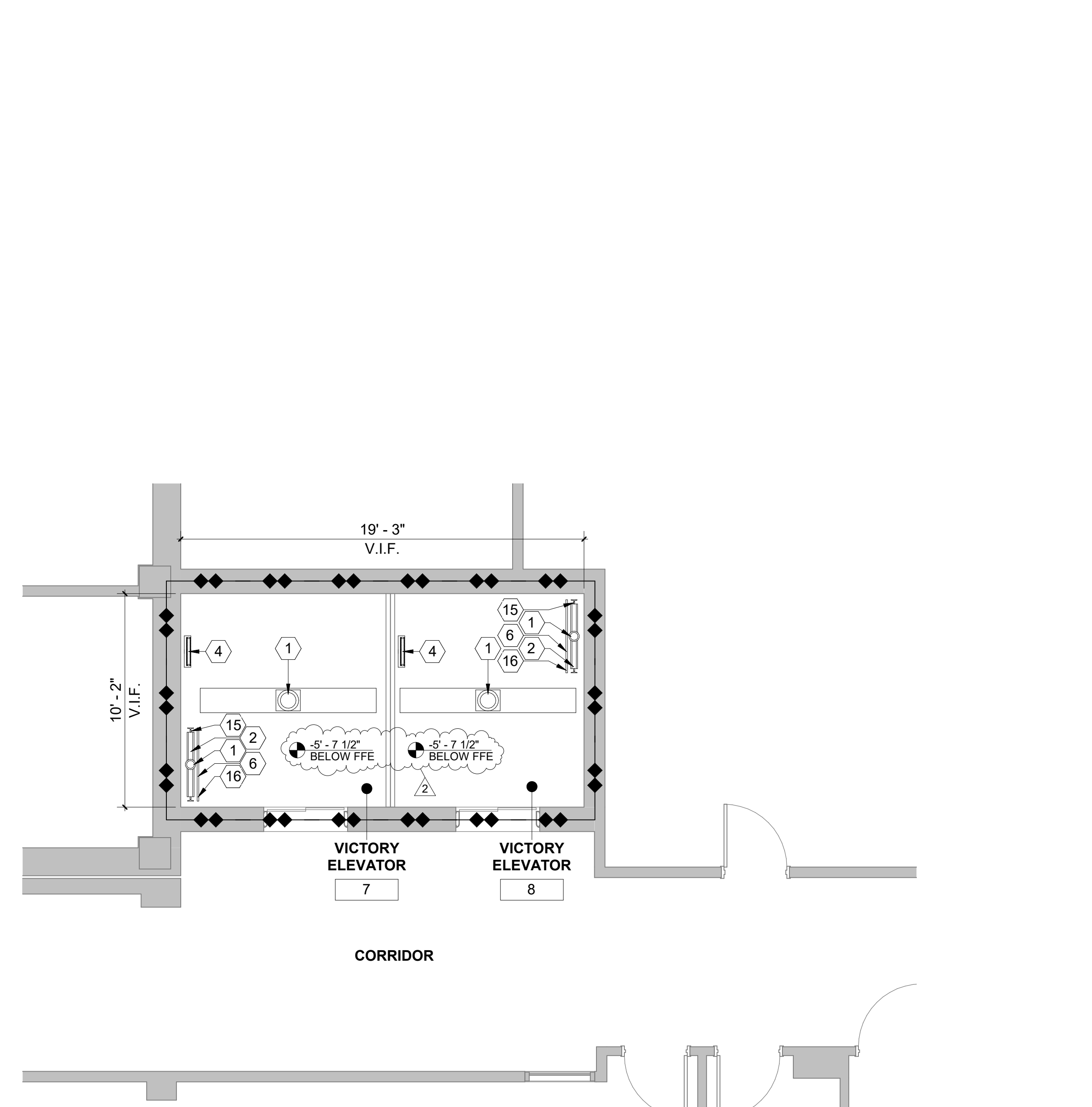
3 FLOOR PLAN - ELEVATOR 12 - PIT
1/4" = 1'-0"



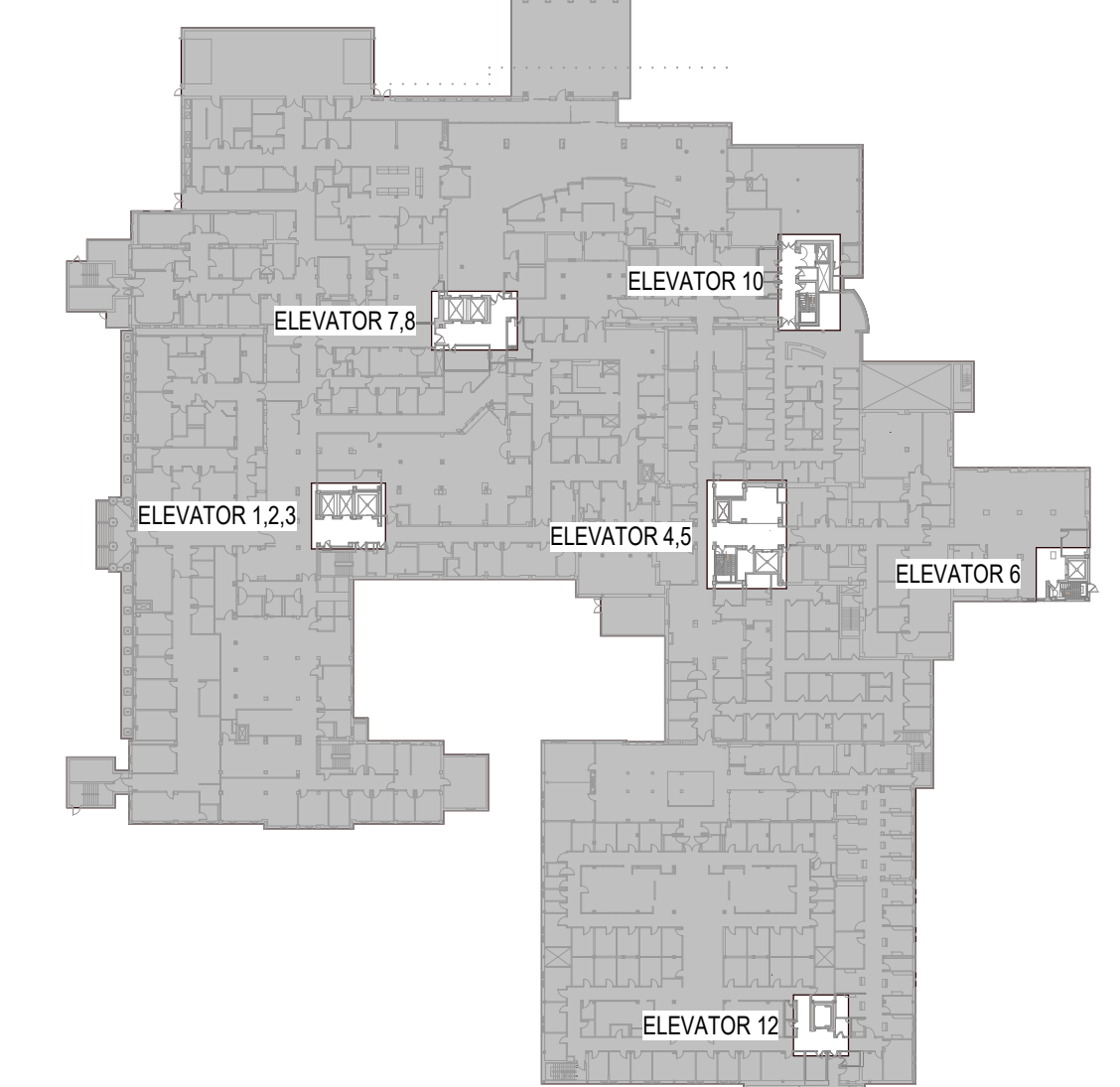
4 FLOOR PLAN - INDEPENDENCE 4,5 - PIT
1/4" = 1'-0"



5 FLOOR PLAN - PATRIOT ELEVATOR 10 - PIT
1/4" = 1'-0"



6 FLOOR PLAN - VICTORY ELEVATOR 7,8 - PIT
1/4" = 1'-0"



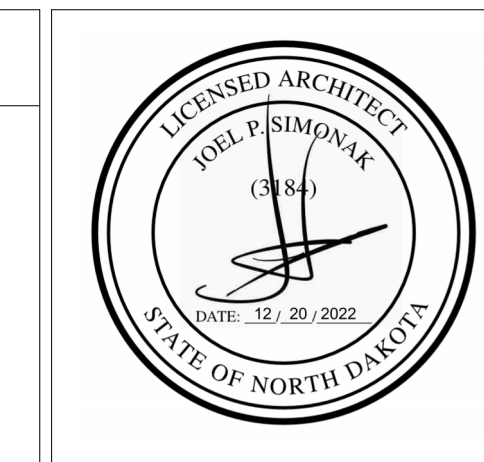
KEY PLAN

CONSULTANTS:

Addendum #2	03.05.2024
Revisions:	Date

SUMMIT
FIRE PROTECTION

SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST
ST. PAUL, MINNESOTA 55103
(612) 387-7050



ARCHITECT/ENGINEERS

FOURFRONT
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517 7TH STREET
RAPID CITY, SOUTH DAKOTA
57701
PH: (605) 342-9470
FAX: (605) 342-2377
WWW.FOURFRONTDESIGN.COM

Drawing Title	ENLARGED PLANS - ELEVATOR PITS
Approved: Project Director	FARGO VAMC

Project Title	REFURBISH ELEVATORS AND REPLACE CONTROLS
Location	2101 ELM STREET FARGO, ND 58102
Date	12.20.22
Checked	JS
Drawn	JE

Project Number	437-22-101
Building Number	1,946
Drawing Number	A5.20
Dwg. 10 of 41	

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

3/20/24 1:02:59 PM

FIRE BARRIER LEGEND

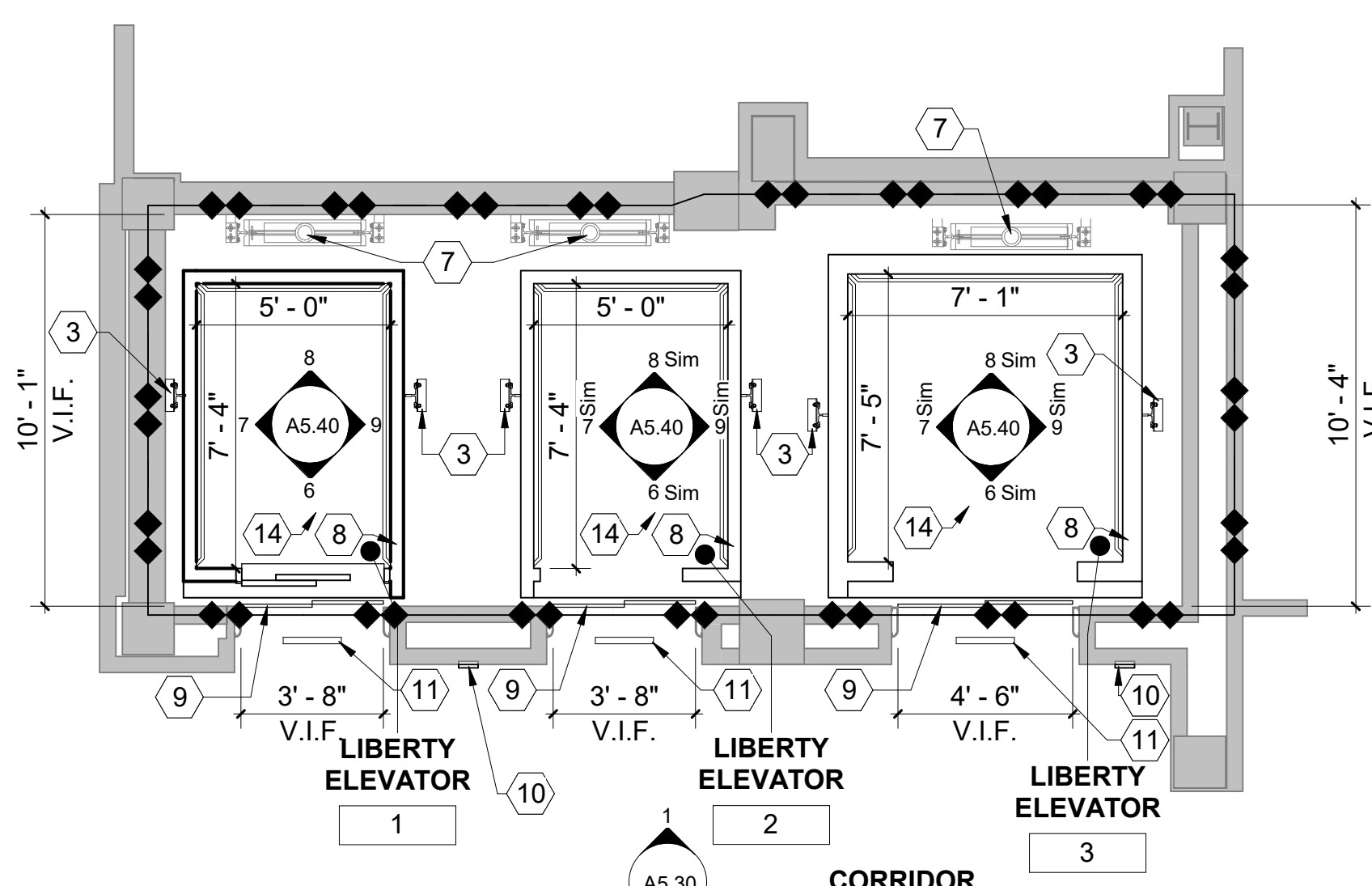
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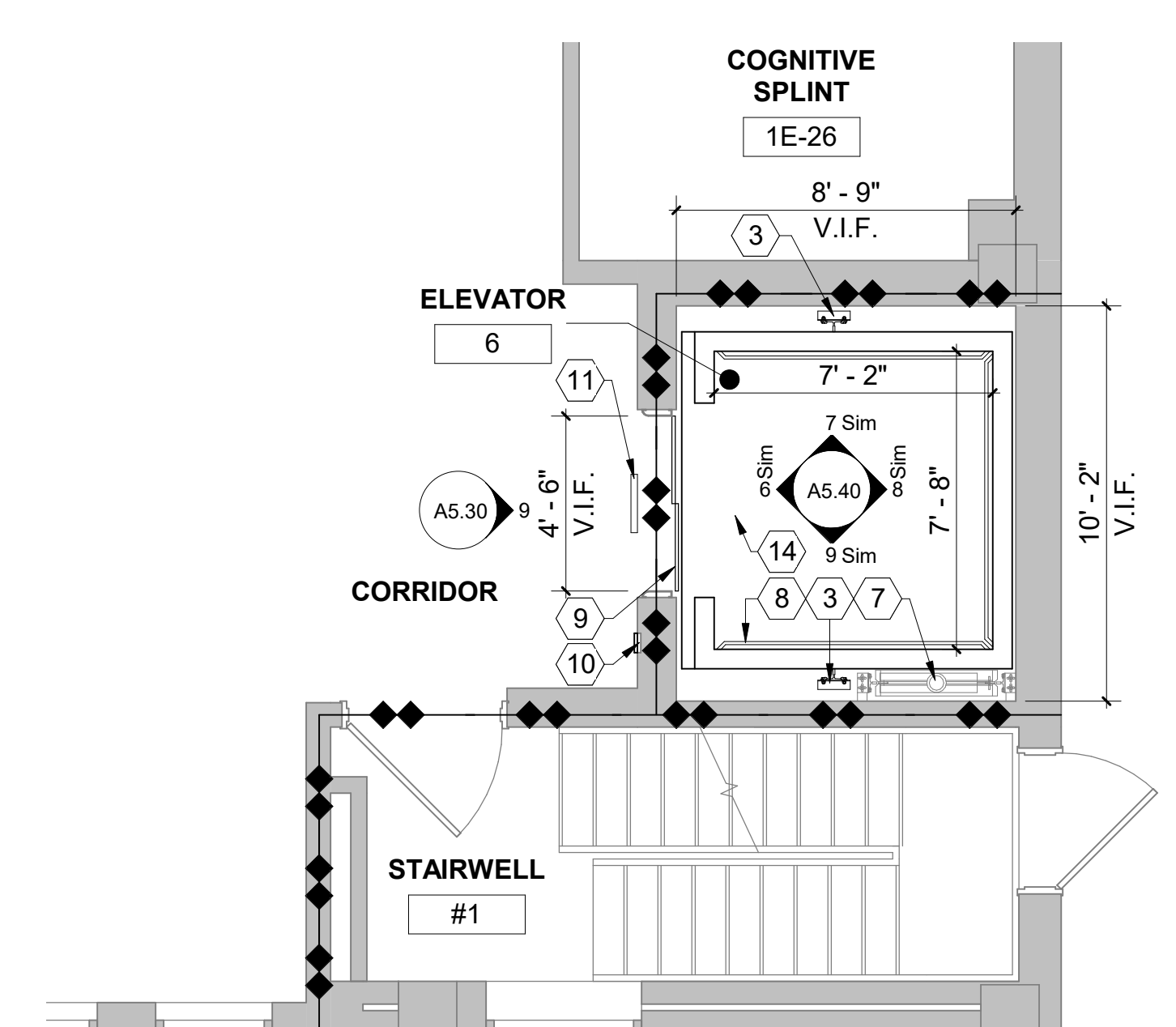
KEYNOTES: #

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- NEW GOVERNOR TENSION SHEAVE ASSEMBLY.
- NOT USED.
- EXISTING COUNTERWEIGHT PIT GUARD TO REMAIN.
- EXISTING COUNTERWEIGHT ASSEMBLY TO REMAIN. REBALANCE COUNTERWEIGHT AS REQUIRED. REFURBISH AND REFINISH TO LIKE NEW CONDITION.
- NEW CAR PLATFORM AND ENCLOSURE. CAR FRAMES SHALL REMAIN AND BE REFURBISHED. SEE DETAILS ON SHEETS A5-40.
- NEW HOISTWAY DOOR PANELS. ENTRANCE FRAMES TO BE RECLAD. ALSO REMOVE ANY ADHESIVE FROM PREVIOUSLY MOUNTED SIGNAGE. TYPICAL FOR ALL ENTRANCES.
- NEW HALL CALL STATIONS. SEE LOBBY ELEVATIONS ON SHEET A5-30 AND DETAILS ON A5-40.
- NEW DIGITAL LANDING LANTERNS. TYPICAL FOR ALL HOISTWAY ENTRANCES. SEE LOBBY ELEVATIONS ON SHEET A5-30. EXISTING METAL PIT LADDER TO REMAIN.
- NOT USED.
- RESILIENT TILE FLOORING. SEE SPECIFICATIONS.
- REPLACE EXISTING LOWER SECTION OF GUIDE RAILS (APPROX 20 LF AT EACH RAIL) DUE TO WATER DAMAGE. APPLIES TO ELEVATOR 7 & 8 ONLY.



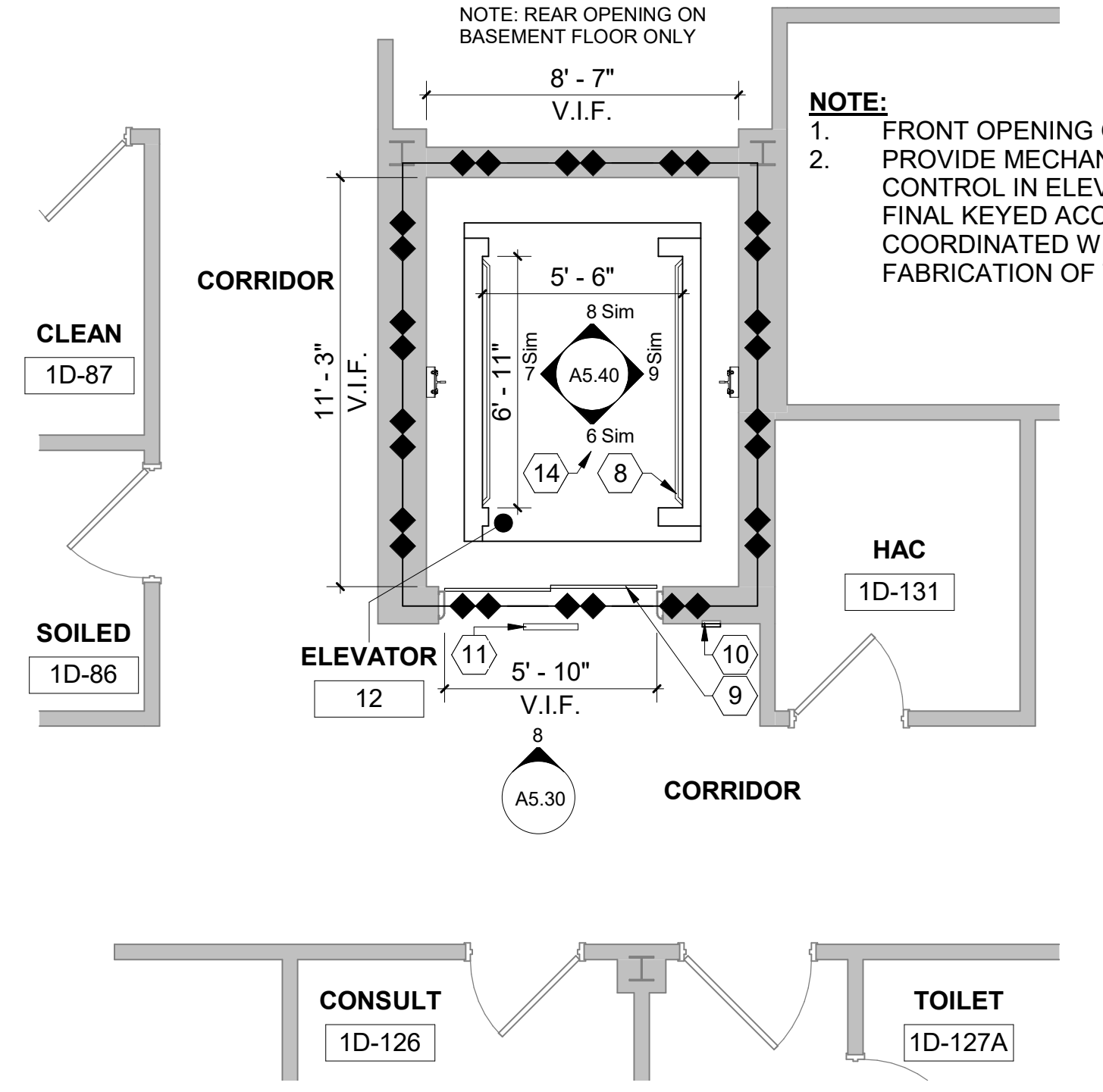
NOTE: PROVIDE MECHANICAL KEYED ACCESS CONTROL IN ELEVATOR 3 AT ALL FLOORS. FINAL KEYED ACCESS CONTROL SHALL BE COORDINATED WITH THE VA PRIOR TO FABRICATION OF THE CONTROL PANELS.

1 FLOOR PLAN - LIBERTY 1,2,3 - TYPICAL
1/4" = 1'-0"



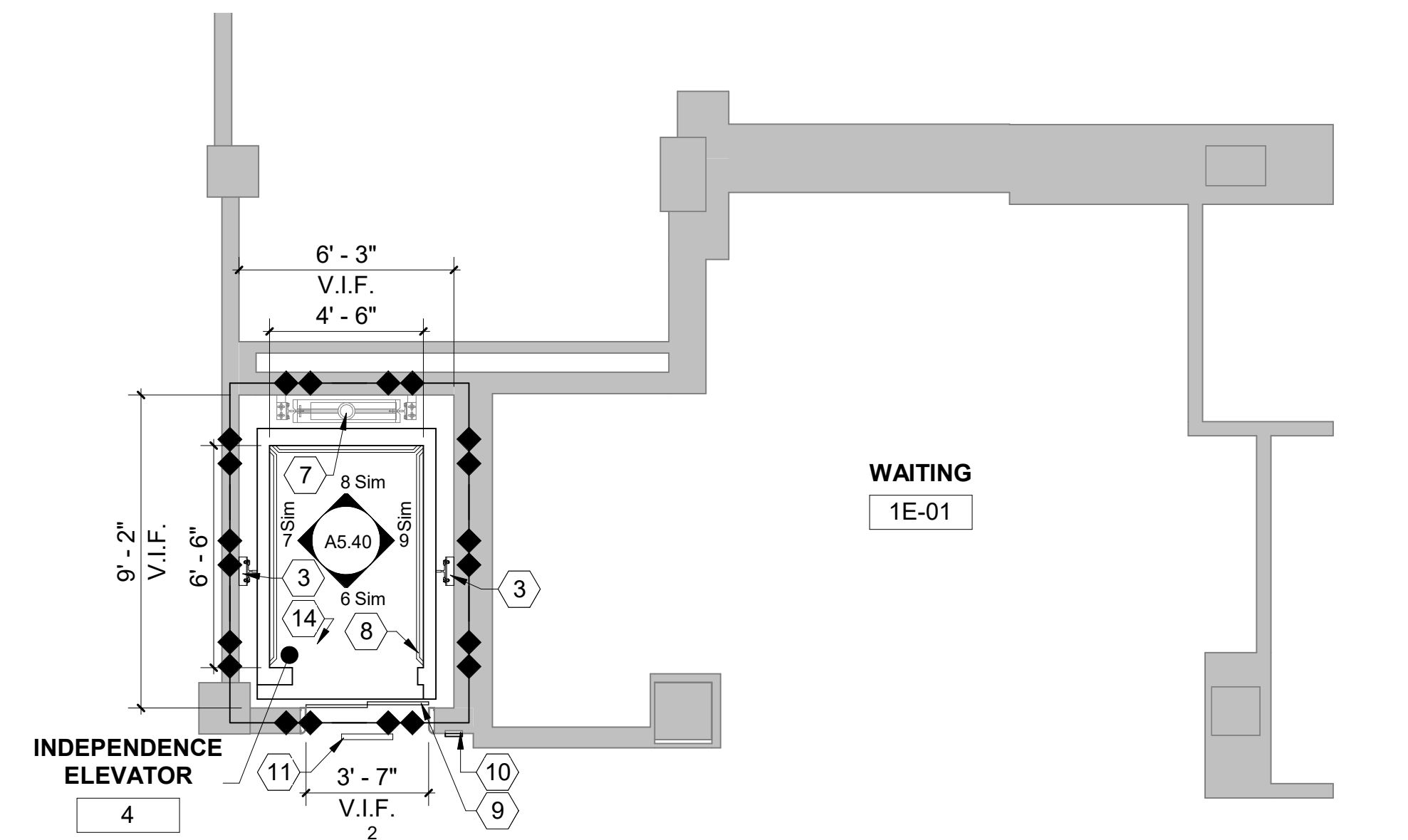
NOTE: PROVIDE MECHANICAL KEYED ACCESS CONTROL IN ELEVATOR 6 AT ALL FLOORS. FINAL KEYED ACCESS CONTROL SHALL BE COORDINATED WITH THE VA PRIOR TO FABRICATION OF THE CONTROL PANELS.

2 FLOOR PLAN - ELEVATOR 6 - TYPICAL
1/4" = 1'-0"



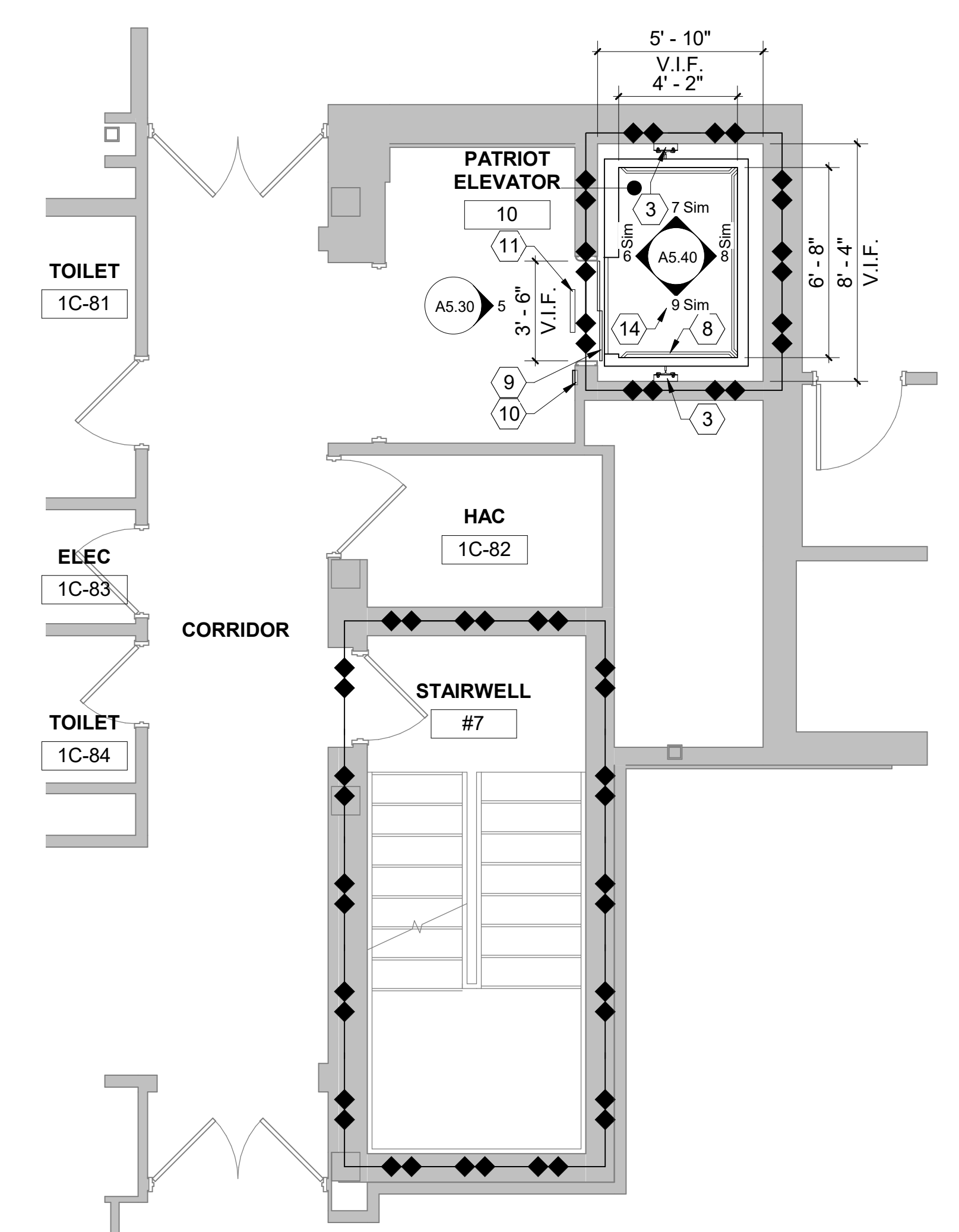
NOTE: FRONT OPENING ON 1 AND 2 FLOOR ONLY PROVIDE MECHANICAL KEYED ACCESS CONTROL IN ELEVATOR 12 AT ALL FLOORS. FINAL KEYED ACCESS CONTROL SHALL BE COORDINATED WITH THE VA PRIOR TO FABRICATION OF THE CONTROL PANELS.

3 FLOOR PLAN - ELEVATOR 12 - TYPICAL
1/4" = 1'-0"

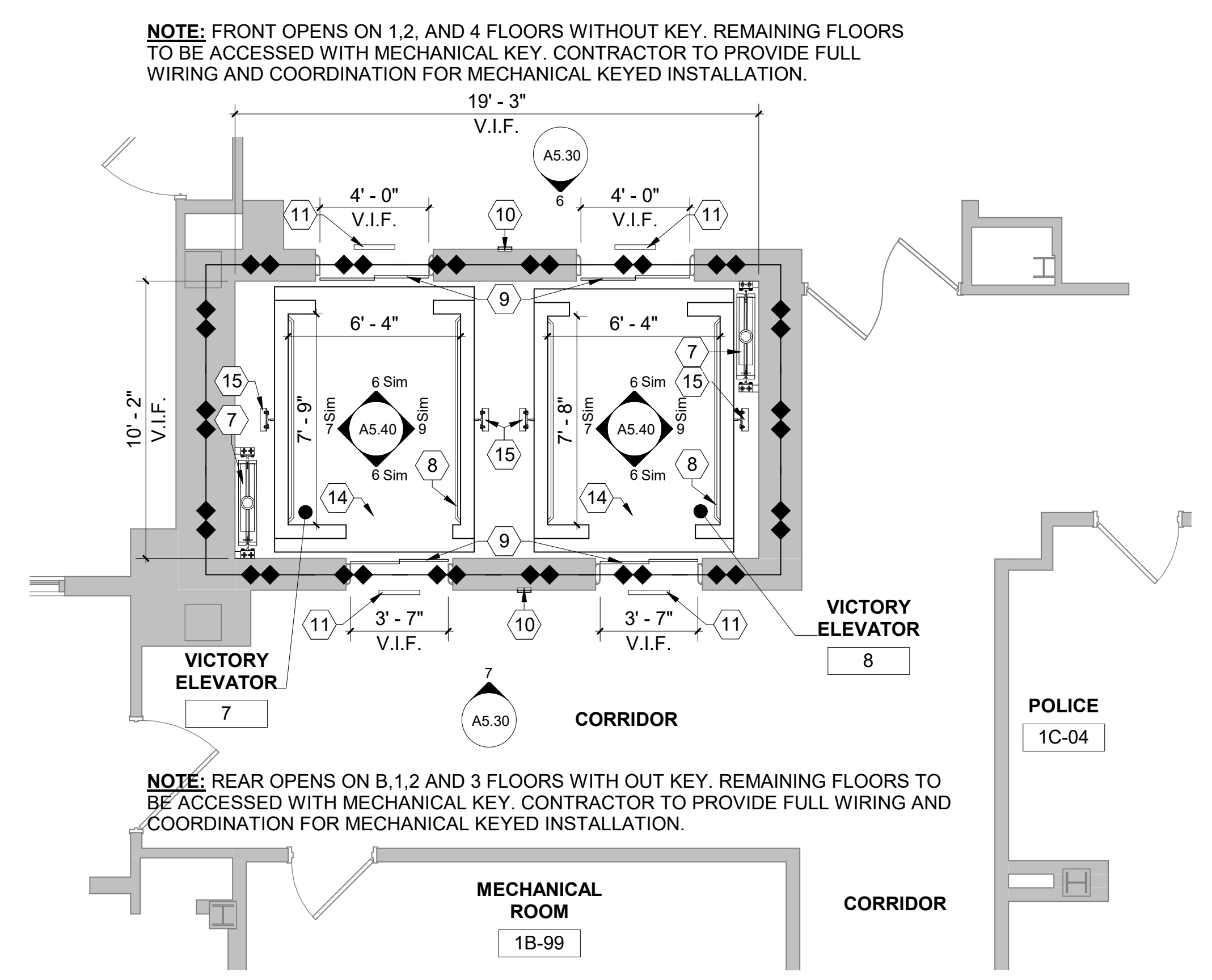


NOTE: PROVIDE MECHANICAL KEYED ACCESS CONTROL IN ELEVATOR 5 AT ALL FLOORS. FINAL KEYED ACCESS CONTROL SHALL BE COORDINATED WITH THE VA PRIOR TO FABRICATION OF THE CONTROL PANELS.

4 FLOOR PLAN - INDEPENDENCE 4,5 - TYPICAL
1/4" = 1'-0"



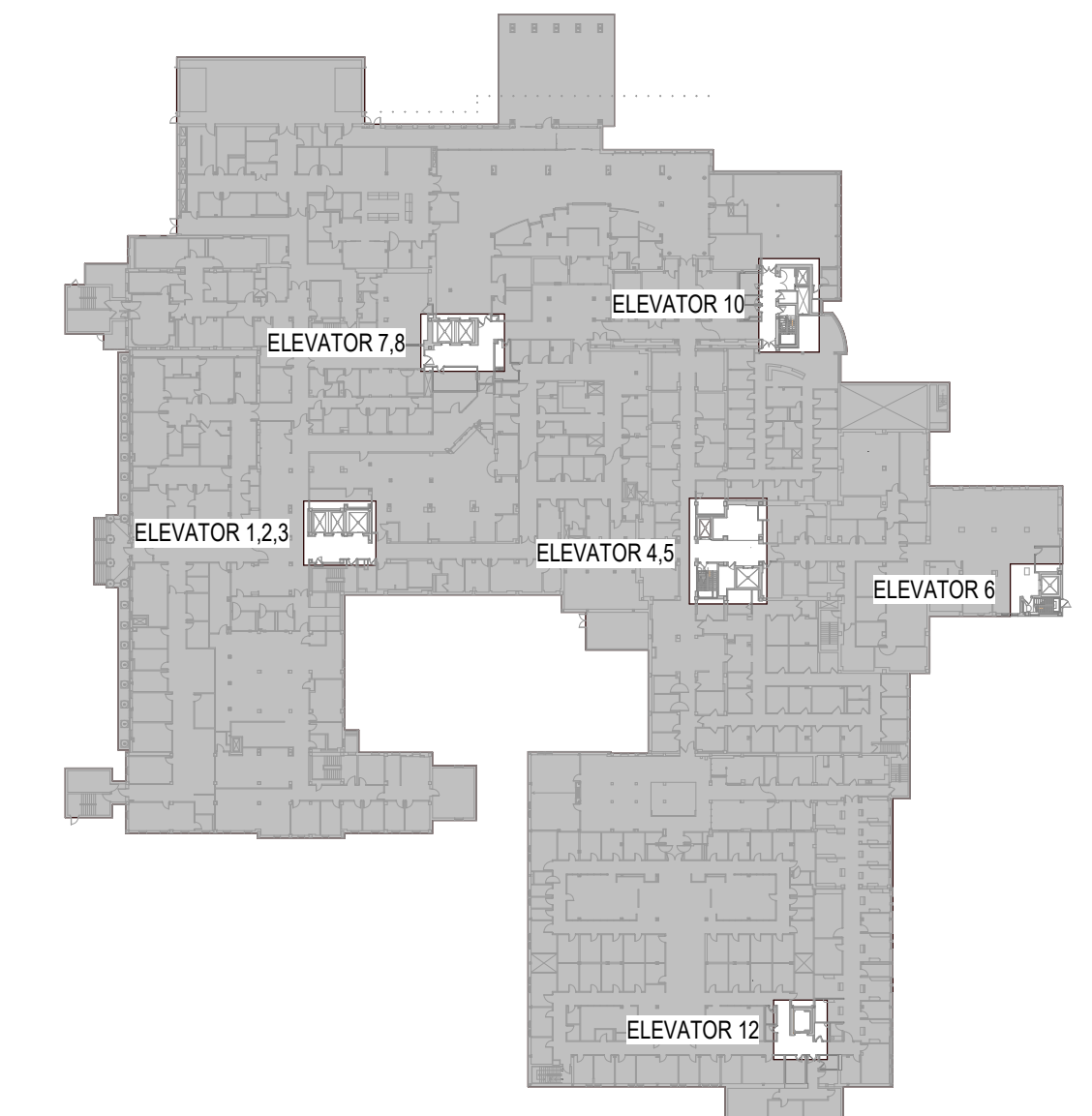
5 FLOOR PLAN - PATRIOT ELEVATOR 10 - TYPICAL
1/4" = 1'-0"



NOTE: FRONT OPENS ON 1,2, AND 4 FLOORS WITHOUT KEY. REMAINING FLOORS TO BE ACCESSED WITH MECHANICAL KEY. CONTRACTOR TO PROVIDE FULL WIRING AND COORDINATION FOR MECHANICAL KEYED INSTALLATION.

NOTE: REAR OPENS ON 8,1,2 AND 3 FLOORS WITH OUT KEY. REMAINING FLOORS TO BE ACCESSED WITH MECHANICAL KEY. CONTRACTOR TO PROVIDE FULL WIRING AND COORDINATION FOR MECHANICAL KEYED INSTALLATION.

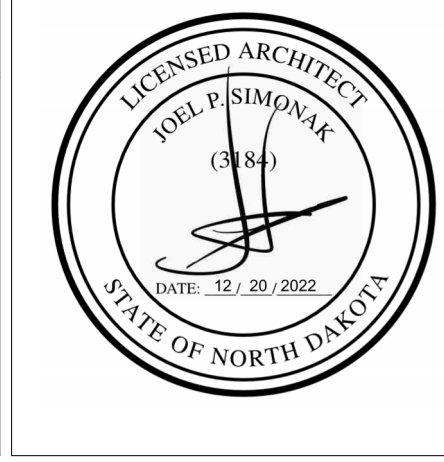
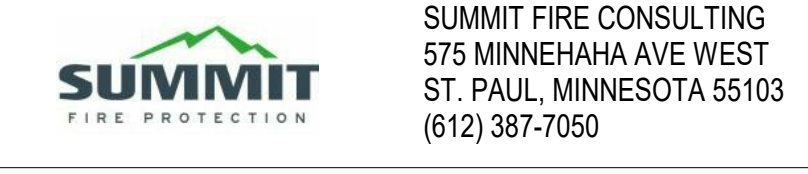
6 FLOOR PLAN - VICTORY ELEVATOR 7,8 - TYPICAL
1/4" = 1'-0"



KEY PLAN

CONSULTANTS:

Addendum #2 03.05.2024
Revisions: Date



ARCHITECT/ENGINEERS

FOURFRONT DESIGN INC.
517 7TH STREET
RAPID CITY, SOUTH DAKOTA
57701
PH: (605) 342-9470
FAX: (605) 342-2377
WWW.FOURFRONTDESIGN.COM

Drawing Title
ENLARGED PLANS

Approved: Project Director
FARGO VAMC

Project Title
REFURBISH ELEVATORS AND REPLACE CONTROLS

Location
**2101 ELM STREET
FARGO, ND 58102**

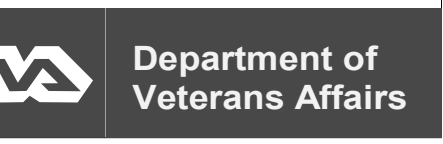
Project Number
437-22-101

Building Number
1,946

Drawing Number
A5.21

Dwg. 11 of 41

Office of Construction and Facilities Management



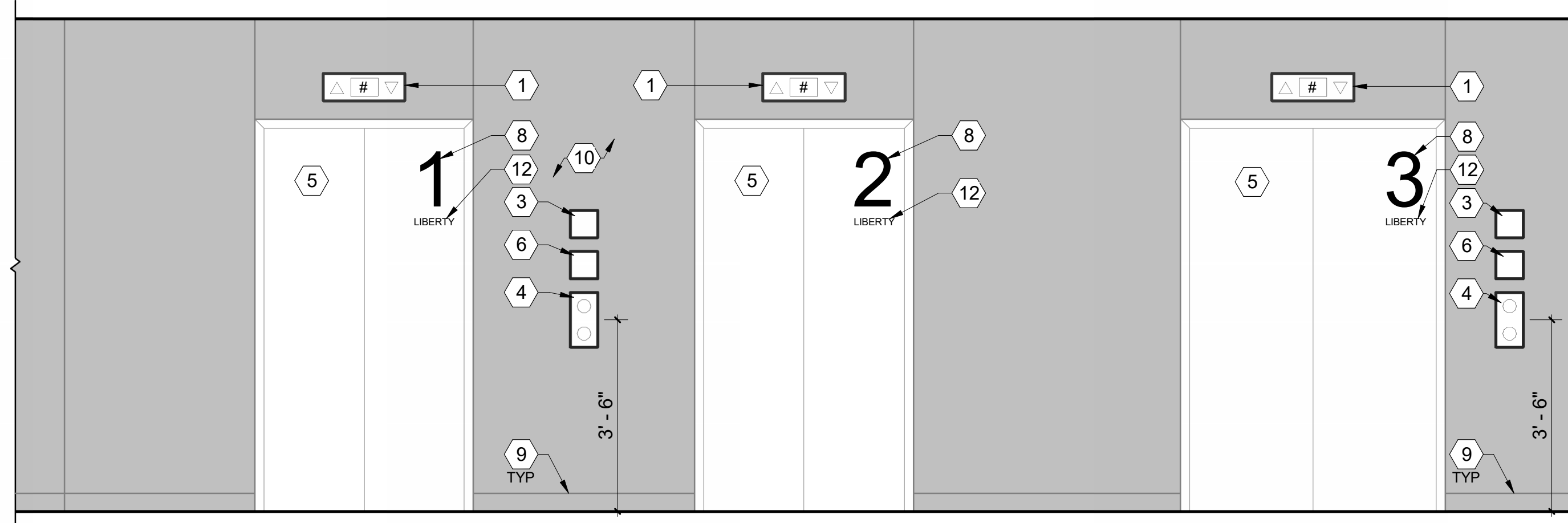
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GENERAL NOTES:

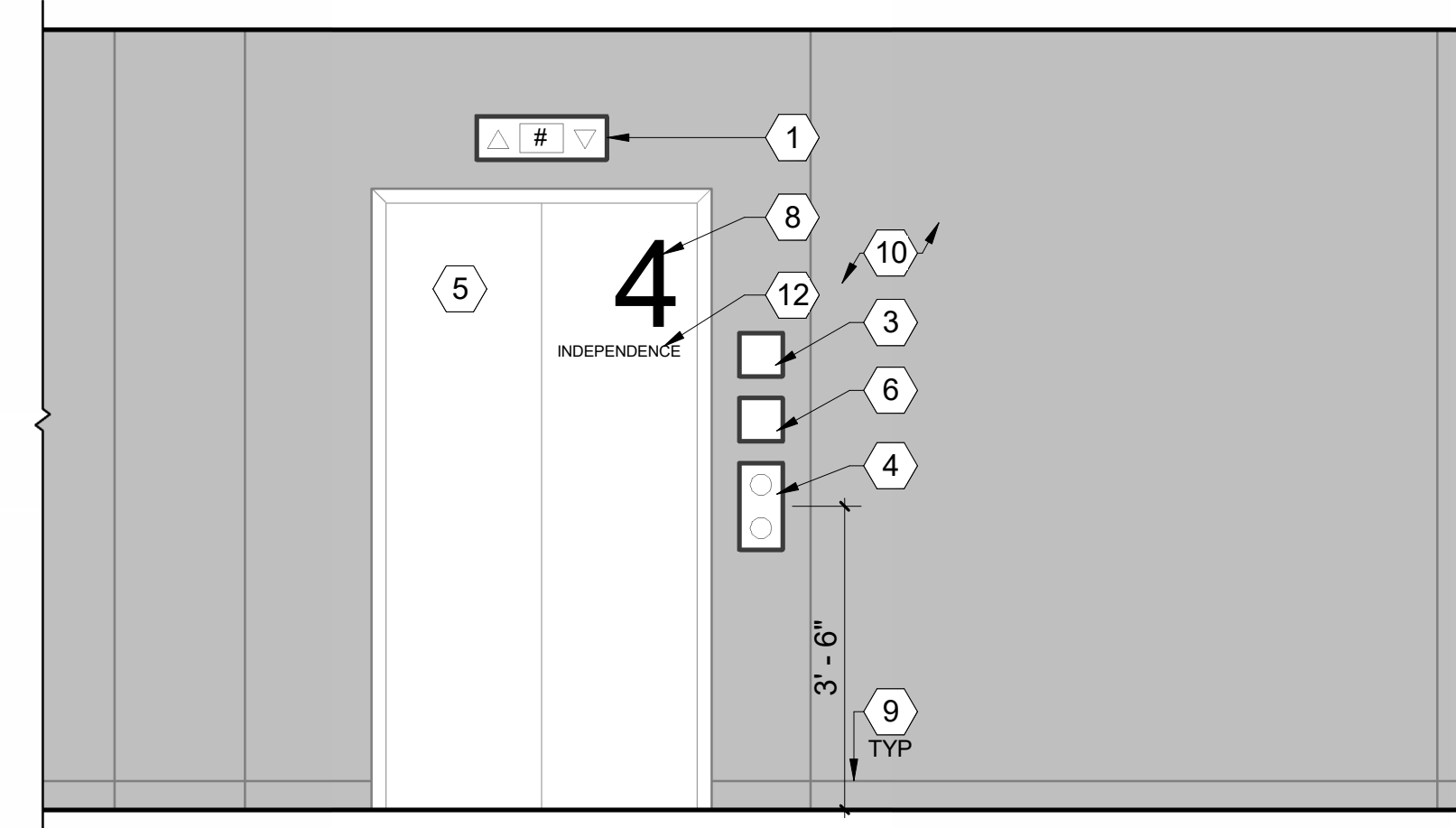
1. SHEET SIZE FOR PROPER SCALE IS 30"x42". CONTRACTOR SHALL NOT SCALE DRAWINGS BUT REQUEST THE DESIRED DIMENSIONS FROM THE CONTRACTING OFFICER REPRESENTATIVE.
2. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES AND TAKE PRECAUTIONARY MEASURES TO PROTECT AND MAINTAIN THEIR FUNCTION THROUGHOUT CONSTRUCTION.
3. ALL EXISTING AREAS AFFECTED BY THE SCOPE OF THIS WORK SHALL BE PATCHED AND/OR PAINTED AS REQUIRED TO MATCH THE EXISTING CONDITIONS. PAINTING SHALL BE CARRIED BACK TO THE NEAREST CORNER, CEILING, DOOR FRAME, ETC.
4. ALL WORK SHALL CONFORM TO THE CURRENT EDITION OF ALL APPLICABLE BUILDING CODES AND ALL VA STANDARDS AND REGULATIONS. THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIAL NECESSARY TO COMPLY WITH SUCH CODES, STANDARDS AND REGULATIONS.
5. ELEVATOR SHAFTS CANNOT BE LEFT UNPROTECTED (OPEN) AT THE END OF WORK ON ANY DAY. IF WORK WILL COMPROMISE THE FIRE RESISTANCE OF THE SHAFT, COORDINATE AND VERIFY 2-HOUR RATING FIRE/RISER RATED PARTITIONS ARE REQUIRED. CONTRACTOR SHALL PROTECT ADJACENT ROOMS FROM DAMAGE DURING CONSTRUCTION. REPAIR ANY DAMAGED ITEMS AND ASSEMBLIES TO PRE-PROJECT CONDITION IF DAMAGED DURING CONSTRUCTION.
6. SEE MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION. THE WORK SHALL BE COMPLETED IN A MANNER TO AVOID DISRUPTION OF PATIENT AND/OR STAFF ACCESS TO THE ELEVATORS FROM ANY LOBBY/FLOOR. THE VAMC WILL BE FULLY OCCUPIED AND OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT.
7. CONTRACTOR SHALL FULLY COORDINATE PHASING AND SCHEDULES WITH THE CONTRACTING OFFICER PRIOR TO BEGINNING WORK.
8. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE COR IN ADVANCE. THE COR SHALL BE GIVEN ADVANCE NOTICE FOR ALL SITE VISITS BY THE CONTRACTOR AND THEIR SUBCONTRACTORS.
9. CONTRACTOR SHALL REMOVE AND REINSTALL EXISTING DOORS AS REQUIRED FOR REMOVAL AND INSTALLATION OF NEW ELEVATOR EQUIPMENT.

KEYNOTES: #

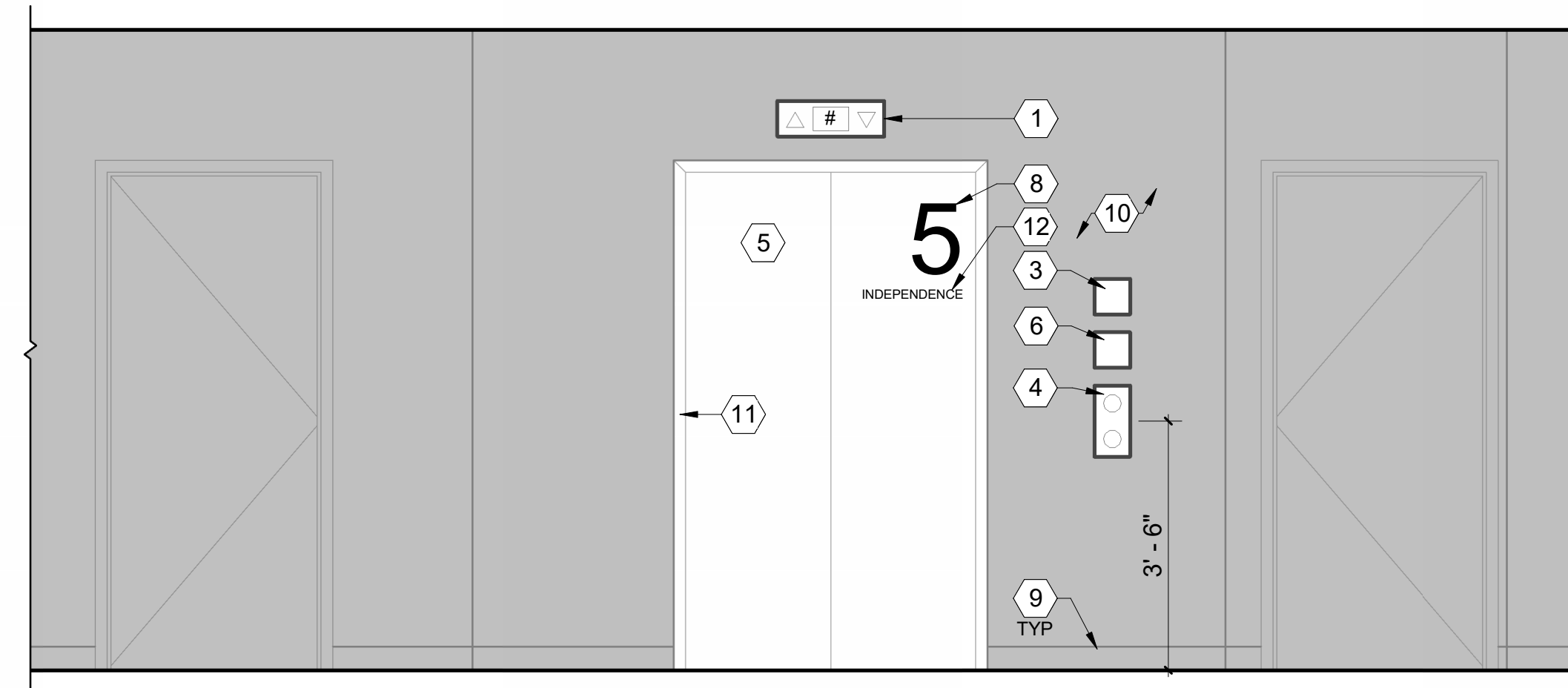
1. NEW DIGITAL LANDING LANTERNS. PATCH AND REPAIR EXISTING ADJACENT GYPSUM BOARD AS REQUIRED AND PAINT TO MATCH.
2. NOT USED.
3. PROVIDE NEW WARNING SIGNS PER A17.1, "SAFETY CODE FOR ELEVATORS AND ESCALATORS."
4. REMOVE EXISTING HALL CALL STATIONS AND PROVIDE NEW HALL CALL STATIONS FOR ALL ELEVATOR LANDINGS. INCORPORATE MEDICAL EMERGENCY SWITCH IN CALL BUTTON FACEPLATE. V.I.F. SIZE TO MATCH EXISTING PANEL. PROVIDE COORESPONDING BRAILLE AT EACH BOTTOM.
5. NEW HOISTWAY DOOR PANELS. EXISTING STAINLESS STEEL ENTRANCE FRAMES AND THRESHOLDS TO REMAIN. AT COMPLETION OF PROJECT, CLEAN STAINLESS STEEL ENTRANCE FRAMES AND CLEAN AND RESTORE THE THRESHOLDS TO BE SMOOTH AND FULLY FINISHED IN THEIR APPEARANCE.
6. REMOVE EXISTING FIREFIGHTERS SERVICE SWITCH AND PROVIDE NEW FIREFIGHTERS SERVICE SWITCH.
7. NOT USED.
8. 12" VINYL SELF-ADHERING DECALS AT EACH LANDING, BLACK COLOR.
9. EXISTING WALL BASE TO REMAIN, TYPICAL.
10. PATCH, REPAIR AND FINISH ALL EXISTING WALLS AS REQUIRED FOR REPLACEMENT OF ALL CONTROLS AND INDICATORS.
11. RECLAD EXISTING STAINLESS STEEL HOISTWAY ENTRANCE JAMBS.
12. 3" VINYL SELF-ADHERING DECALS AT EACH, BLACK COLOR.



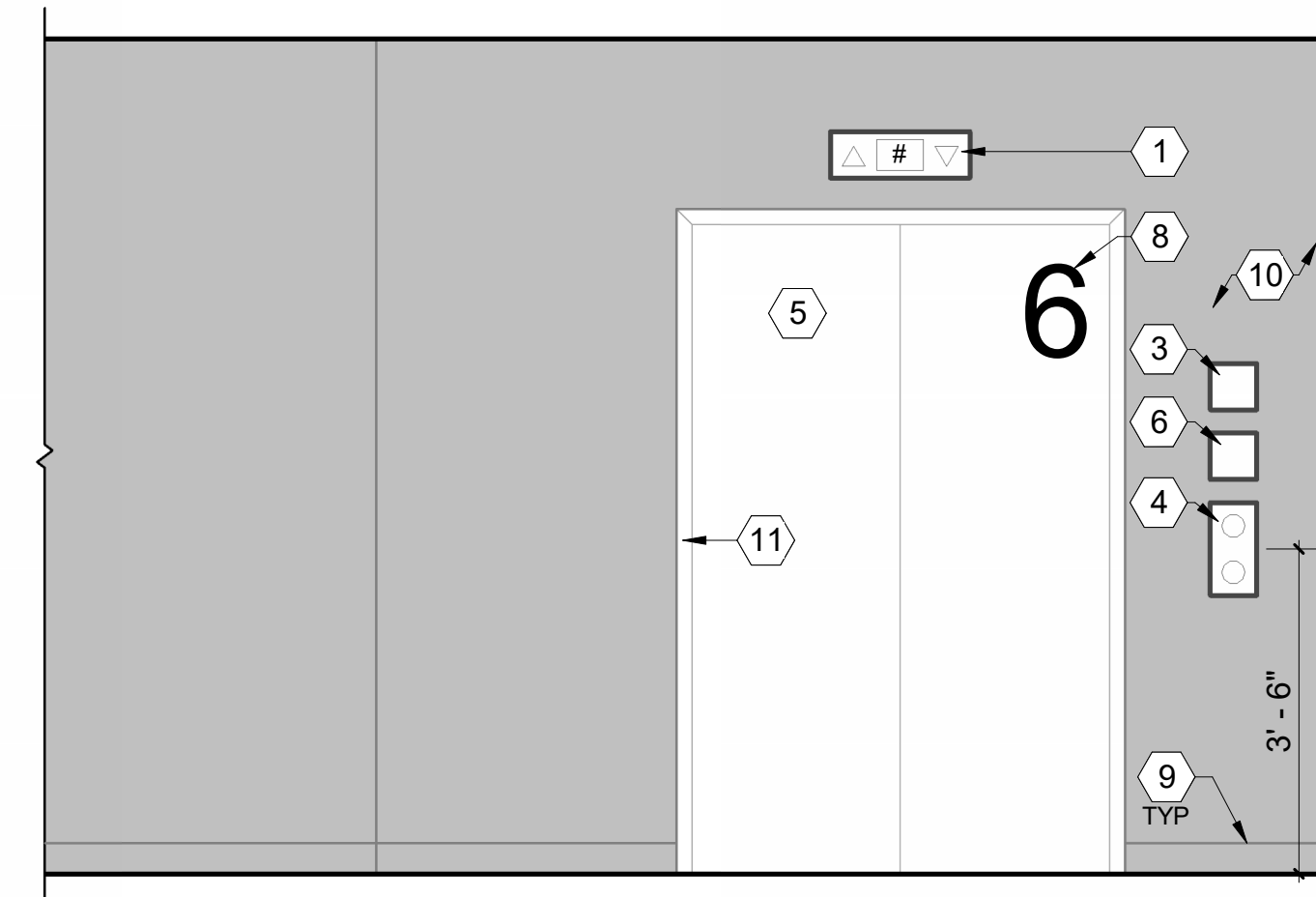
1 ELEVATION - LIBERTY 1,2,3 - TYPICAL
1/2" = 1'-0"



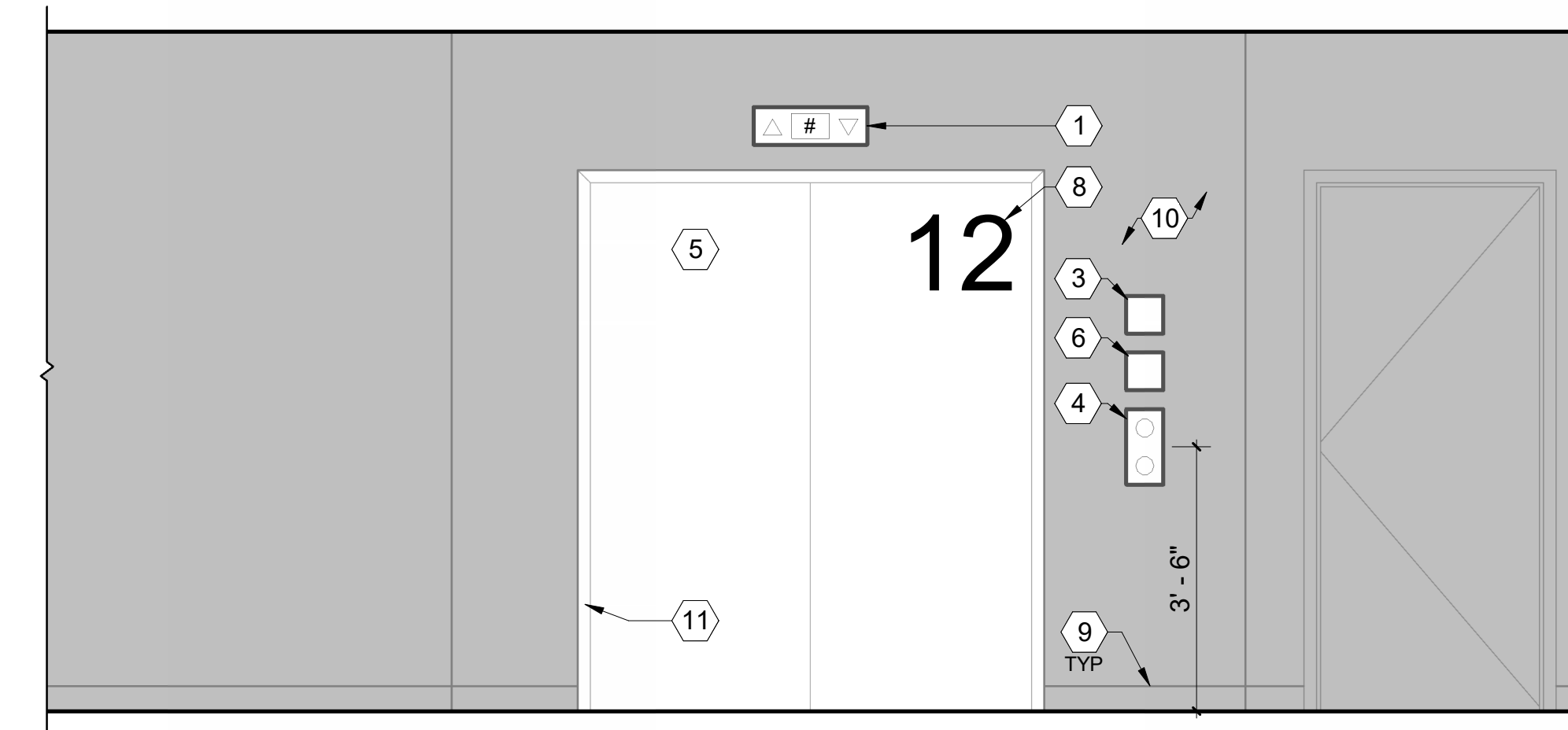
2 ELEVATION - INDEPENDENCE 4 - TYPICAL
1/2" = 1'-0"



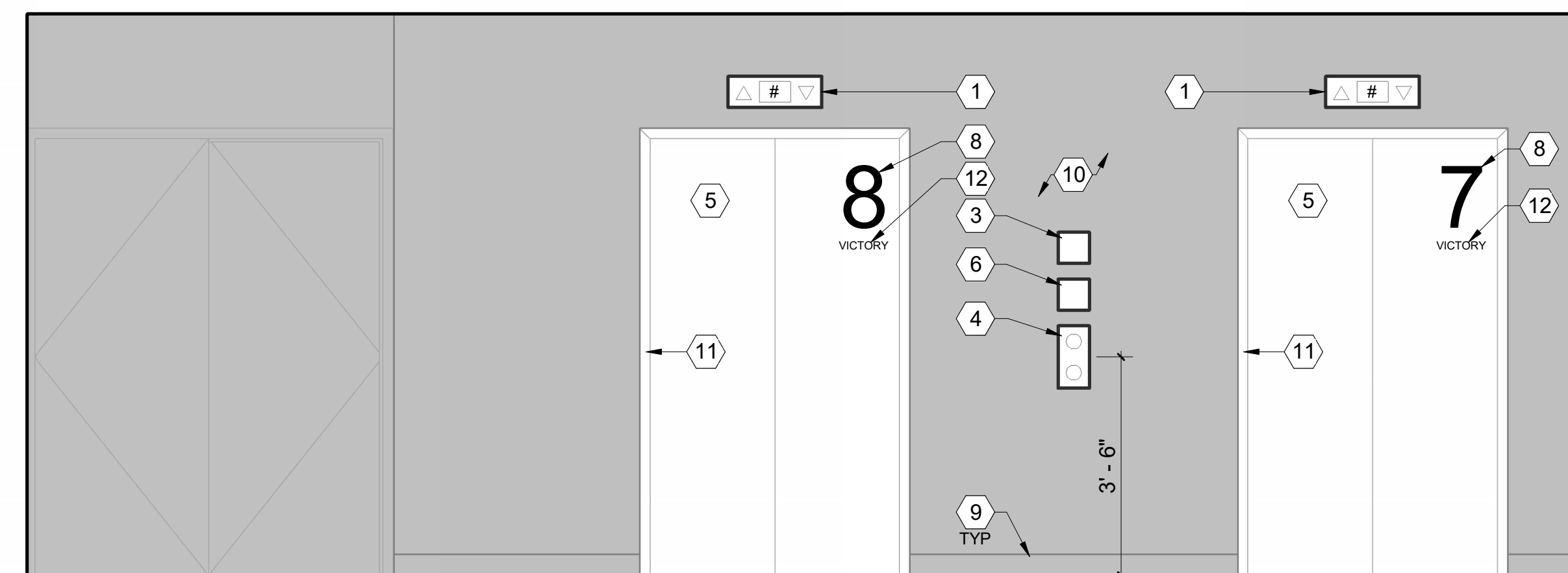
3 ELEVATION - INDEPENDENCE 5 - TYPICAL
1/2" = 1'-0"



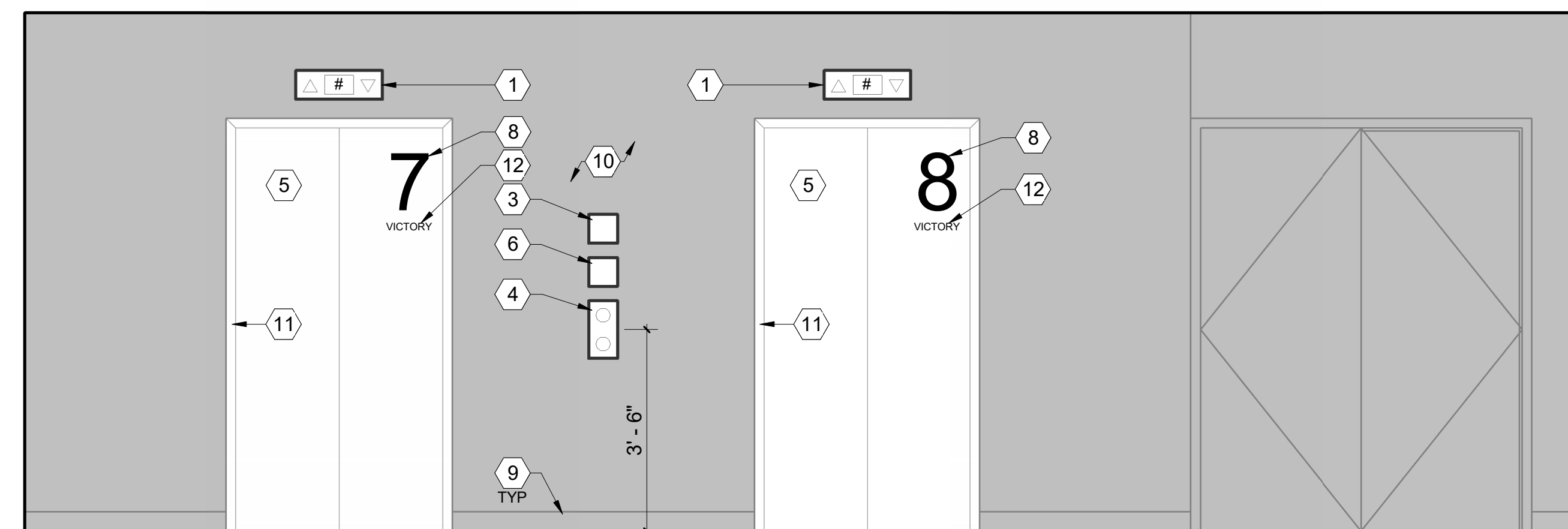
9 ELEVATION - ELEVATOR 6 - TYPICAL
1/2" = 1'-0"



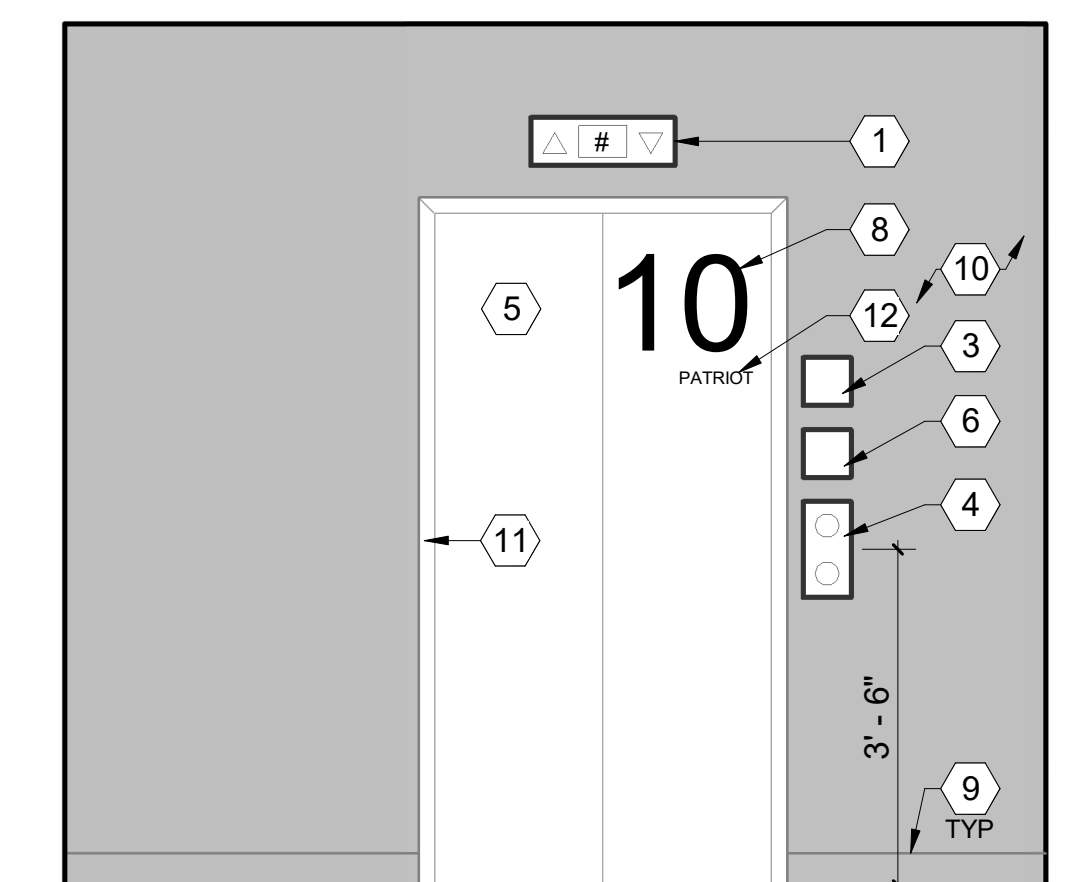
8 ELEVATION - ELEVATOR 12 - TYPICAL
1/2" = 1'-0"



6 ELEVATION - VICTORY ELEVATOR 7,8 NORTH - TYPICAL
1/2" = 1'-0"



7 ELEVATION - VICTORY ELEVATOR 7,8 SOUTH - TYPICAL
1/2" = 1'-0"



5 ELEVATION - PATRIOT ELEVATOR 10 - TYPICAL
1/2" = 1'-0"

CONSULTANTS:

SUMMIT
FIRE PROTECTION
SUMMIT FIRE CONSULTING
575 MINNEHAHA AVE WEST
ST. PAUL, MINNESOTA 55103
(612) 387-7050



ARCHITECT/ENGINEERS

FOURFRONT
DESIGN INC.
FOURFRONT DESIGN, INC.
517 7TH STREET
RAPID CITY, SOUTH DAKOTA
57701
PH: (605) 342-9470
FAX: (605) 342-2377
WWW.FOURFRONTDESIGN.COM

Drawing Title
INTERIOR ELEVATIONS - LOBBIES

Approved: Project Director
FARGO VAMC

Project Title
**REFURBISH ELEVATORS AND
REPLACE CONTROLS**

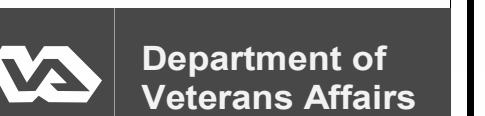
Location
**2101 ELM STREET
FARGO, ND 58102**

Project Number
437-22-101

Building Number
1,946

Drawing Number
A5.30

Office of
Construction
and Facilities
Management



Addendum #2	03.05.2024
Revisions:	Date

Date
12.20.22

Checked
JS

Drawn
JE

Dwg. 13 of 41