

ADDENDUM NO. 2

Huron County Administration Building Elevator Project
Huron County, OH

CDBG Small Cities Formula
B-F-22-1BJ-1

Index of Contents

Addendum No. 2, 3 items, 1 page (plus attachments).

Project Updates

May 26, 2023

TO: ALL BIDDERS OF RECORD

ADDENDUM NO. 2 to Specifications dated April 26, 2023, Huron County Administration Building Elevator Project for Huron County, OH.

This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified in this Addendum.

Each bidder shall acknowledge receipt of this Addendum in his proposal or bid.

NOTE: Bidders are responsible for becoming familiar with every item of this Addendum.

RE: ALL BIDDERS

CHANGES TO THE PROJECT MANUAL

1. Section 07 16 16 Crystalline Waterproofing: Include section in project manual. Follow manufacturers recommendation for cleaning of concrete and application of crystalline waterproofing topical application. Treat elevator pit concrete with crystalline waterproofing topical application up to 6-12 inches above ground level and six inches above any cracks or surface repairs. Repair any construction joints, tie holes, cracks, or surfaces per manufacturers recommendations.
2. Section 07 84 00 Firestopping: Add section in its entirety.

CHANGES TO THE DRAWINGS

1. Drawing Sheet A1.1 Plans, Sections, and Details: Replace in its entirety.
2. Drawing Sheet MP1.1 – Plumbing and Mechanical Plan: Replace in its entirety.
3. Drawing Sheet E2.1 Electrical Details, Luminaire Schedule and Panel Schedule: Replace in its entirety.
4. Drawing Sheet E3.1 Electrical Plan: Replace in its entirety.

ATTACHMENTS

The following attachments are included and are part of this addendum:

- Pre-bid meeting minutes and the pre-bid meeting sign-in sheet.
- Specification Sections 07 16 16 and 07 84 00.
- Drawing Sheets A1.1, MP1.1, E2.1 and E3.1.
- Exhibits: Special Inspections

Addendum 02

DOCUMENT 00 91 00

DATE: May 25, 2023

PROJECT: Huron County Administration Building Elevator Project
180 Milan Avenue
Norwalk, Ohio 44857

PROJECT #: 22113.00

OWNER: Board of Huron County Commissioners
Contact: Pete Welch
180 Milan Avenue
Norwalk, Ohio 44857

ARCHITECT: Garmann Miller
38 South Lincoln Drive
P.O. Box 71
Minster, Ohio 45865

TO: Prospective Bidders

This addendum form is a part of the Contract Documents and modifies the Bidding Documents dated April 19, 2023 with amendments and additions noted below.

Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may disqualify the Bidder.

This addendum consists of 2 pages, 2 specification sections, 4 re-issued drawing sheets, and 1 exhibit.

FOR INFORMATION ONLY

1. Pre-bid meeting minutes and the pre-bid meeting sign-in sheet are attached.
2. Special inspections have been included for reference shall they be required by Authority Having Jurisdiction.



CHANGES TO THE PROJECT MANUAL

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Drawing Sheets A1.1, MP1.1, E2.1 and E3.1.

Exhibits: Special Inspections

END OF ADDENDUM





Pre-bid meeting

Project name	Huron Co. Admin Elevator Upgrade	GM project no.	22113.00
Meeting date	5/4/23	Meeting location	Huron Co. Admin Building

Outline

1. Attendees: Sign in sheet
2. Introductions
3. Project overview
 - a. The project consists of the removal of the existing elevator at the Huron Co. Admin Building and replace with a new elevator per the drawings and specifications. There will be some work on the roof to rebuilding the current roof bump-out to give the new elevator the space needed to meet code and allow proper operation of the elevator. Electrical and plumbing upgrades as necessary for the new elevator.
4. Bidding
 - a. Date: 05/12/2023
 - b. Location: Send to
Huron County Commissioners
180 Milan Ave # 7
Norwalk, Ohio 44857
 - a. Use the bid form provided
 - b. The bid opening will be at 9:00 am on Thursday May 12, 2023.
 - c. Plans have been submitted to Richland County for review and permits, costs to be paid by owner.
 - d. Estimated Budget: \$450,000.00
5. Bid categories
 - a. General construction
6. Alternates
 - a. No Alternates
7. Contingency amounts to be included in bid
 - a. General construction: No Contingency included in the bid at this time
8. Contracts will be administered by Garmann Miller
 - a. All questions and correspondence to go through Garmann Miller
 - b. All RFIs to go through Garmann Miller
 - c. Pay applications to go to Garmann Miller



- d. Garmann Miller will schedule a preconstruction meeting with the contractor after the notice of award
- 9. Schedule
 - a. Tentative award date – May 2023
 - b. Start of construction – June 2023
 - c. Completion date – December 2023
 - i. Liquidated Damages – Per Section C, Article 12 of the Specifications
- 10. General conditions
 - a. Waste Removal: Each prime contractor
 - b. General Contractor
 - i. Responsible for construction schedule and general supervision
 - ii. Submit preliminary schedule 10 days after notice to proceed
 - iii. Responsible for scheduling and administering job meetings; prepare agenda, responsible for meeting minutes and distributing copies
 - c. Responsible for telephone service (Cell Phone).
 - d. Responsible for sanitary facilities
 - e. Barriers - Provide temporary partitions to prevent penetration of dust and moisture into occupied area and to prevent damage to existing materials and equipment.
 - f. Exterior and interior enclosures
- 11. Temporary electricity
 - a. Electrical contractor to provide service, temporary power, temporary lighting, temporary service to general contractor job trailer.
 - i. Temporary service to other job trailer is the responsibility of individual requiring
 - b. Cost of electricity: By Owner
- 12. Temporary water
 - a. The general contractor shall connect to water utility supply and pay for installation of temporary metered service including tap fees and extend temporary water service to location required.
 - b. Cost of water: By Owner
- 13. Substitution request 5 days prior to bid.
- 14. Correspondence
 - a. Correspondence to run through the Garmann Miller
 - b. Architectural/ General – **Hannah Holtzapple** – hholtzapple@creategm.com, **Chris Monnin** – cmonnin@creategm.com, and **Jason Fleming** – jfleming@creategm.com
 - c. Mechanical/Plumbing – **Lee Westgerdes** – lwestgerdes@creategm.com
 - d. Electrical – **Steve Hilgefort** – shilgefort@creategm.com



Sign-in Sheet

Project Name Huron Co. Admin Elevator Project GM Project No. 22113
Meeting Location Huron Co. Admin Building Meeting Date 5/18/23

Purpose Pre-bid meeting for the Huron Co. Admin Building Elevator Replacement Project

Attendees

<input checked="" type="checkbox"/>	Name	Chris Monnin	Phone 419-628-4240
	Business/Title	Garmann Miller / COO	
	Email	cmonnin@creategm.com	
<input type="checkbox"/>	Name	Jason Fleming	Phone 419-733-2658
	Business/Title	Garmann Miller / Construction Administration	
	Email	cmonnin@creategm.com	
<input checked="" type="checkbox"/>	Name	Vickie Ziemba	Phone 419-668-3092
	Business/Title	Administrator/Clerk / Huron County Commissioner's Office	
	Email	vziemba@huroncounty-oh.gov	
<input checked="" type="checkbox"/>	Name	Pete Welch	Phone 419-668-3092
	Business/Title	Head of Facilities / Huron County Commissioner's Office	
	Email	petewelch@huroncountyswmd.com	
<input type="checkbox"/>	Name	Mike Armstrong	Phone 419-668-3092
	Business/Title	Maintenance / Huron County Commissioner's Office	
	Email	marmstrong@hccommissioners.com	
<input checked="" type="checkbox"/>	Name	Steve Minor	Phone 419-668-3092
	Business/Title	Maintenance / Huron County Commissioner's Office	
	Email	sminor@hccommissioners.com	
<input checked="" type="checkbox"/>	Name	Ben Martens	Phone 440-552-3680
	Business/Title	Community Grants Specialist / Great Lakes Community Action Partnership (GLCAP)	
	Email	wbmartens@glcap.org	
<input type="checkbox"/>	Name		Phone
	Business/Title		
	Email		



<input type="checkbox"/>	Name	ROGER KEHRES	Phone	419-562-8027
	Business/Title	BC&G WEITHMAN / PROJECT MANAGER		
	Email	RKEHRES@WEITHMAN.COM		
<input type="checkbox"/>	Name	JASON GWIN	Phone	419-241-6422
	Business/Title	Toledo Elevator Co. President		
	Email	JGWIN@Toledo-elevator.com		
<input type="checkbox"/>	Name	Bob Comte	Phone	419-241-3254
	Business/Title	Comte Construction Co		
	Email	bobja@comteconstruction.com		
<input type="checkbox"/>	Name	bobjr@comteconstruction.com	Phone	
	Business/Title			
	Email			
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SECTION 07 16 16
CRYSTALLINE WATERPROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Crystalline waterproofing, topically applied slurry on concrete substrates on either positive or negative side
- B. Preparation of surfaces to be waterproofed, including plugging active water leaks.

1.02 RELATED REQUIREMENTS

1.03 REFERENCE STANDARDS

- A. COE CRD-C 48 - Method of Test for Water Permeability of Concrete 1992.
- B. NRCA (WM) - The NRCA Waterproofing Manual 2005.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Test data showing hydraulic permeability.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
 - 4. Installation methods.
 - 5. Details for waterproofing at joints, intersections, and other special conditions.
- C. Specimen warranty.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacture of products of the type specified.
- B. Installer Qualifications: Acceptable to manufacturer, with documented experience on at least five projects of similar nature within last five years.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Take necessary precautions to keep cementitious materials dry.

1.07 FIELD CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results; do not install products under environmental conditions outside manufacturer's absolute limits.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide installer's warranty agreeing to correct leaking waterproofing for two years from Date of Substantial Completion, unless leakage is caused by structural failure, movement of the structure, or other causes beyond the installer's control.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Crystalline Waterproofing:
 - 1. Penetron Total Concrete Protection; Crystalline Waterproofing Coating: www.penetron.com/
 - 2. W.R. Meadows, Inc; CEM-KOTE CW PLUS: www.wrmeadows.com/

3. Xypex Chemical Corporation; XYPEX Concentrate: www.xypex.com/#

2.02 APPLICATIONS

- A. Crystalline Waterproofing for Building Surfaces:
 1. Negative (interior side) of elevator pits.

2.03 MATERIALS

- A. Crystalline Waterproofing: Portland cement, quartz or silica sand, and other active chemicals that when applied to surface of concrete forms insoluble crystals in capillary pores preventing passage of liquids, while having no adverse effect on normal properties of concrete.
 1. Hydraulic Permeability of Applied Concrete: No measurable leakage or water flow at pressure ranging from 175 psi to 200 psi when tested in accordance with COE CRD-C 48, using at least 2 inch thick sample, and with applied surface preparation and installation in accordance with NRCA (WM).
 2. Toxicity: Non-toxic.
 3. Color: Gray.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under project conditions, and use sand blasting, water blasting, or acid etching as recommended.
- C. Plug water leaks.
- D. Patch holes, construction joints, and cracks; remove defective concrete.
- E. Obtain approval of manufacturer's field representative before beginning installation.

3.03 INSTALLATION

- A. Install in strict accordance with manufacturer's instructions, maintain environmental conditions required and recommended by manufacturer, and keep a copy of manufacturer's instructions on site.
- B. Coordinate installation with installation of products that must penetrate waterproofed surfaces.
- C. Prevent excessive drying of surface.
 1. Cure waterproofing for at least three days, or length of time required by manufacturer, with water spray and adequate air circulation.
 2. Do not use chemical curing agents unless explicitly approved by waterproofing manufacturer.

END OF SECTION

SECTION 07 84 00 FIRESTOPPING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Firestopping of joints and penetrations in fire resistance rated and smoke resistant assemblies, whether indicated on drawings or not, and other openings indicated.
- B. Smoke stopping of all penetrations and interruption to smoke rated assemblies, whether indicated on drawings or not and other openings indicated.
- C. Requirements for materials installed in cavities, around penetrations, and openings in floors, walls, partitions, and other building components to prevent spread of fire and smoke.

1.02 REFERENCE STANDARDS

- A. ASTM E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems 2013a (Reapproved 2017).
- B. ASTM E1966 - Standard Test Method for Fire-Resistive Joint Systems 2015 (Reapproved 2019).
- C. ASTM E2307 - Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus 2020.
- D. ASTM E2837 - Standard Test Method for Determining the Fire Resistance of Continuity Head-of-Wall Joint Systems Installed Between Rated Wall Assemblies and Nonrated Horizontal Assemblies 2013 (Reapproved 2017).
- E. ITS (DIR) - Directory of Listed Products current edition.
 - . M 4991 - Approval Standard for Firestop Contractors 2013.
- G. M (AG) - M Approval Guide current edition.
- H. A (AG) - M Approval Guide; Factory Mutual Research Corporation; current edition.
- I. SCAQMD 1168 - Adhesive and Sealant Applications 1989 (Amended 2017).
 - . UL 1479 - Standard for Fire Test of Penetration Firestops; Current Edition
- K. UL 2079 - Standard for Tests for Fire Resistance of Building Joint Systems Current Edition, Including All Revisions.
- L. UL (RD) - Fire Resistance Directory Current Edition.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Schedule of firestopping: List each type of penetration.
- C. Product Data: Provide data on product characteristics.
- D. Indicate UL System Number for each type of penetration.
- E. Manufacturer's Installation Instructions: Indicate preparation and installation instructions.
 - . Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- G. Installer Qualification: Submit qualification statements for installing mechanics.

1.04 QUALITY ASSURANCE

- A. Fire Testing: Provide firestopping assemblies of designs that provide the scheduled fire ratings when tested in accordance with methods indicated.
 - 1. Listing in UL (RD), M (AG), or ITS (DIR) will be considered as constituting an acceptable test report.

2. Current evaluation reports published by CABO, ICBO, or BOCA will be considered as constituting an acceptable test report.
 3. Submission of actual test reports is required for assemblies for which none of the above substantiation exists.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- C. Installer Qualifications: Company specializing in performing the work of this section and:
1. Approved by Factory Mutual Research Corporation under FM 4991, or meeting any two of the following requirements:
 2. Verification of minimum three years documented experience installing work of this type.
 3. Verification of at least five satisfactorily completed projects of comparable size and type.
 4. Licensed by local authorities having jurisdiction (AHJ).
 5. Approved by firestopping manufacturer.
- D. Installing Mechanic's Qualifications: Trained by firestopping manufacturer and able to provide evidence thereof.

1.05 MOCK-UP

- A. Install one firestopping assembly representative of each fire rating design required on project.
1. Where one design may be used for different penetrating items or in different wall constructions, install one assembly for each different combination.
 2. Where firestopping is intended to fill a linear opening, install minimum of 1 linear ft.
- B. Obtain approval of authorities having jurisdiction (AHJ) before proceeding.
- C. If accepted, mock-up will represent minimum standard for the Work.
- D. If accepted, mock-up may remain as part of the Work. Remove and replace mock-ups not accepted.

1.06 FIELD CONDITIONS

- A. Comply with firestopping manufacturer's recommendations for temperature and conditions during and after installation; maintain minimum temperature before, during, and for three days after installation of materials.
- B. Provide ventilation in areas where solvent-cured materials are being installed.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Manufacturers:
1. A/D Fire Protection Systems Inc.: www.adfire.com.
 2. 3M Fire Protection Products: www.3m.com/firestop.
 3. Hilti, Inc: www.us.hilti.com/
 4. Nelson FireStop Products: www.nelsonfirestop.com.
 5. Specified Technologies, Inc.: www.stifirestop.com.
 6. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Compatibility: Provide firestopping composed of components that are compatible with each other, the substrate and the items penetrating the firestopping
- C. Volatile Organic Compound (VOC) Content: Provide products having VOC content lower than that required by SCAQMD 1168.
- D. Primers, Sleeves, Forms, Insulation, Packing, Stuffing, and Accessories: Provide type of materials as required for tested firestopping assembly.
- E. Accessories: Use components specified by the firestopping manufacturer and approved by the qualified testing and inspecting agency for the designated fire resistance rated system.

Accessories include but are not limited to

1. Permanent forming/damming/backing materials
2. Temporary forming materials
3. Substrate primers
4. Collars
5. Sleeves

2.02 FIRESTOPPING ASSEMBLY REQUIREMENTS

- A. Perimeter Fire Containment Firestopping: Use system that has been tested according to ASTM E2307 to have fire resistance Rating equal to required fire rating of floor assembly.
- B. Head-of-Wall Joint System Firestopping at Joints Between Fire-Rated Wall Assemblies and Non-Rated Horizontal Assemblies: Use system that has been tested according to ASTM E2837 to have fire resistance Rating equal to required fire rating of floor or wall, whichever is greater.
- C. Floor-to-Floor, Wall-to-Wall, and Wall-to-Floor Joints, Except Perimeter, Where Both Are Fire-Rated: Use system that has been tested according to ASTM E1966 or UL 2079 to have fire resistance Rating equal to required fire rating of the assembly in which the joint occurs.
- D. Through Penetration Firestopping: Use system that has been tested according to ASTM E814 to have fire resistance Rating equal to required fire rating of penetrated assembly.

2.03 FIRESTOPPING ASSEMBLIES - MATERIALS

- A. Firestopping at Uninsulated Metallic Pipe and Conduit Penetrations, of diameter 4 inches or less:
 1. Tremco, Tremstop IA
 2. Hilti CP 601S Elastomeric Firestop Sealant
 3. STI SpecSeal Sealant SSS
 4. 3M Fire Barrier CP25
 5. Substitution: See Section 01 6000 - Product Requirements
- B. Firestopping at Combustible Pipe and Conduit Penetrations, of diameter 4 inches or less:
 1. Tremco, Tremstop WS
 2. Hilti S-ONE Max Intumescent Firestop Sealant
 3. 3M Fire Barrier S-195 Wrap Strip
 4. STI Wrap Strip SSW
 5. Substitution: See Section 01 6000 - Product Requirements
- C. Firestopping at Electrical outlet boxes in gypsum wallboard assemblies
 1. Tremco, Tremstop MP Putty Pad
 2. STI, Spec Seal SSP Putty Pad
 3. 3M, Fire Barrier Moldable Putty Pad MPP
 4. Hilti, CP617 Firestop Putty Pad
 5. Substitution: See Section 01 6000 - Product Requirements
- D. Firestopping at Cable Tray Penetrations multiple steel and copper pipes, electrical busways in raceways:
 1. Tremco, Fire-Sil and Fire-Sil S/L
 2. STI SpecSeal lightweight mortar SSM
 3. Hilti S 635 Trowelable Firestop Compound
 4. 3M Fire Barrier CS-195 Composite Strip
 5. Substitution: See Section 01 6000 - Product Requirements
- E. Firestopping at Control Joints (without Penetrations):
 1. Tremco, Tremstop DS
 2. Hilti CP 601 S Elastomeric Firestop Sealant

3. STI ES Elastomeric Sealant
4. 3M (Dow Corning Fire Stop Sealant 2000)
5. Substitution: See Section 01 6000 - Product Requirements

. Firestopping at head of walls without penetrations

1. Tremco, Tremstop Acrylic
2. 3M FireDam Spray 100
3. STI, AS200
4. Hilti, C S-SP WB
5. Substitution: See Section 01 6000 - Product Requirements

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify openings are ready to receive the work of this section.

3.02 PREPARATION

- A. Clean substrate surfaces of dirt, dust, grease, oil, loose material, or other materials that could adversely affect bond of firestopping material.
- B. Remove incompatible materials that could adversely affect bond.
- C. Install backing materials to prevent liquid material from leakage.

3.03 INSTALLATION

- A. Install materials in manner described in fire test report and in accordance with manufacturer's instructions, completely closing openings.
- B. Do not cover installed firestopping until inspected by authorities having jurisdiction.
- C. Install labeling required by code.

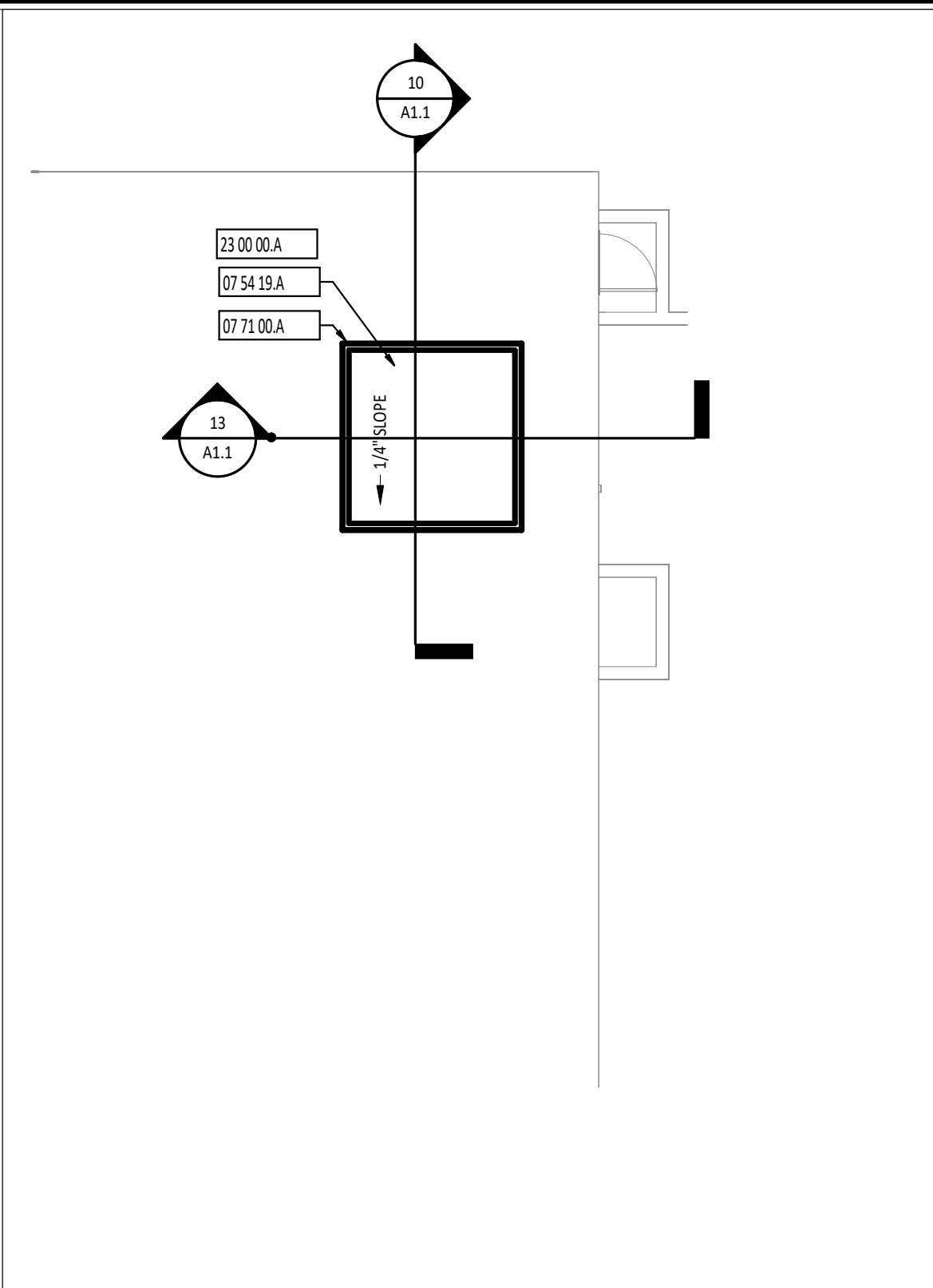
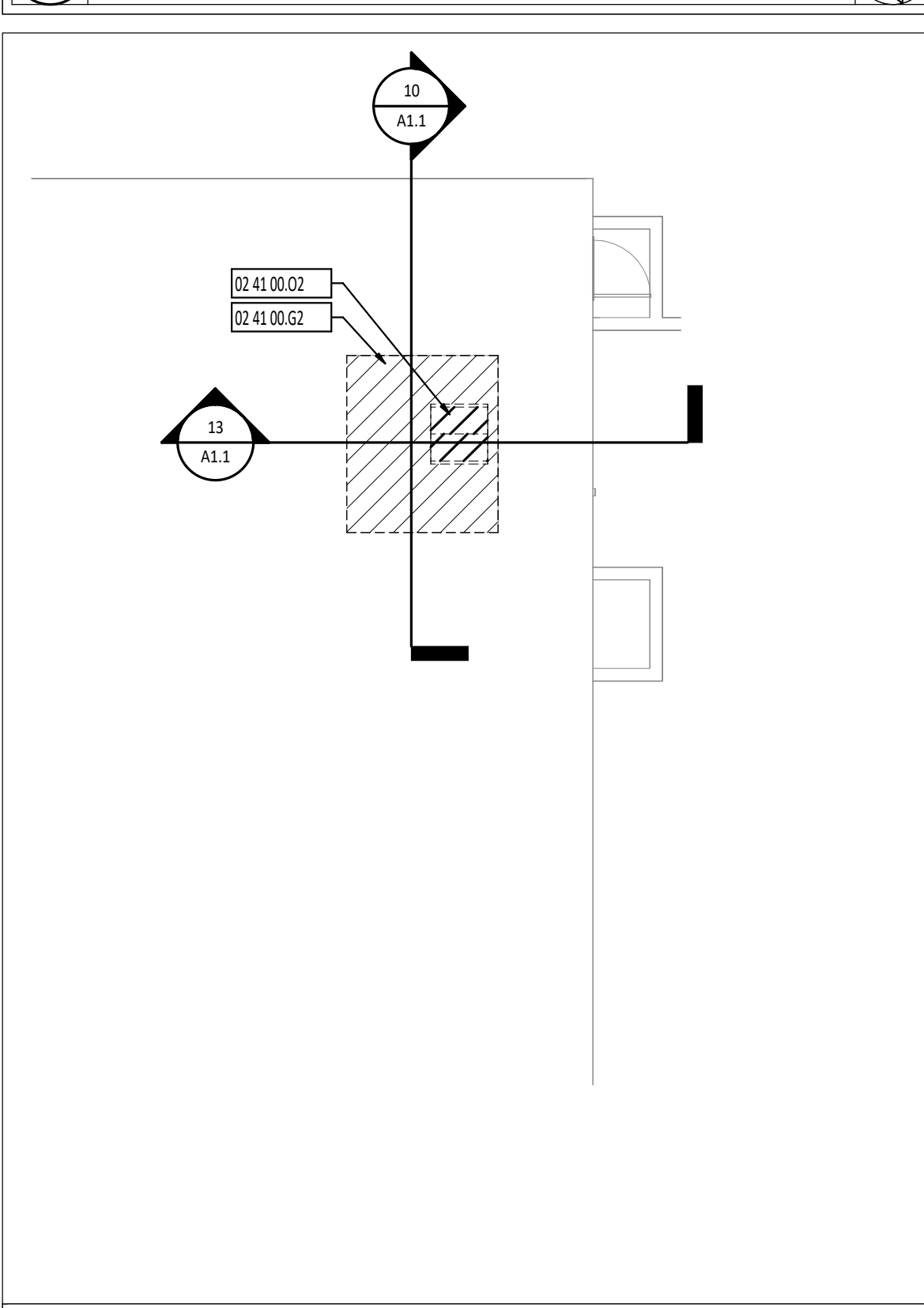
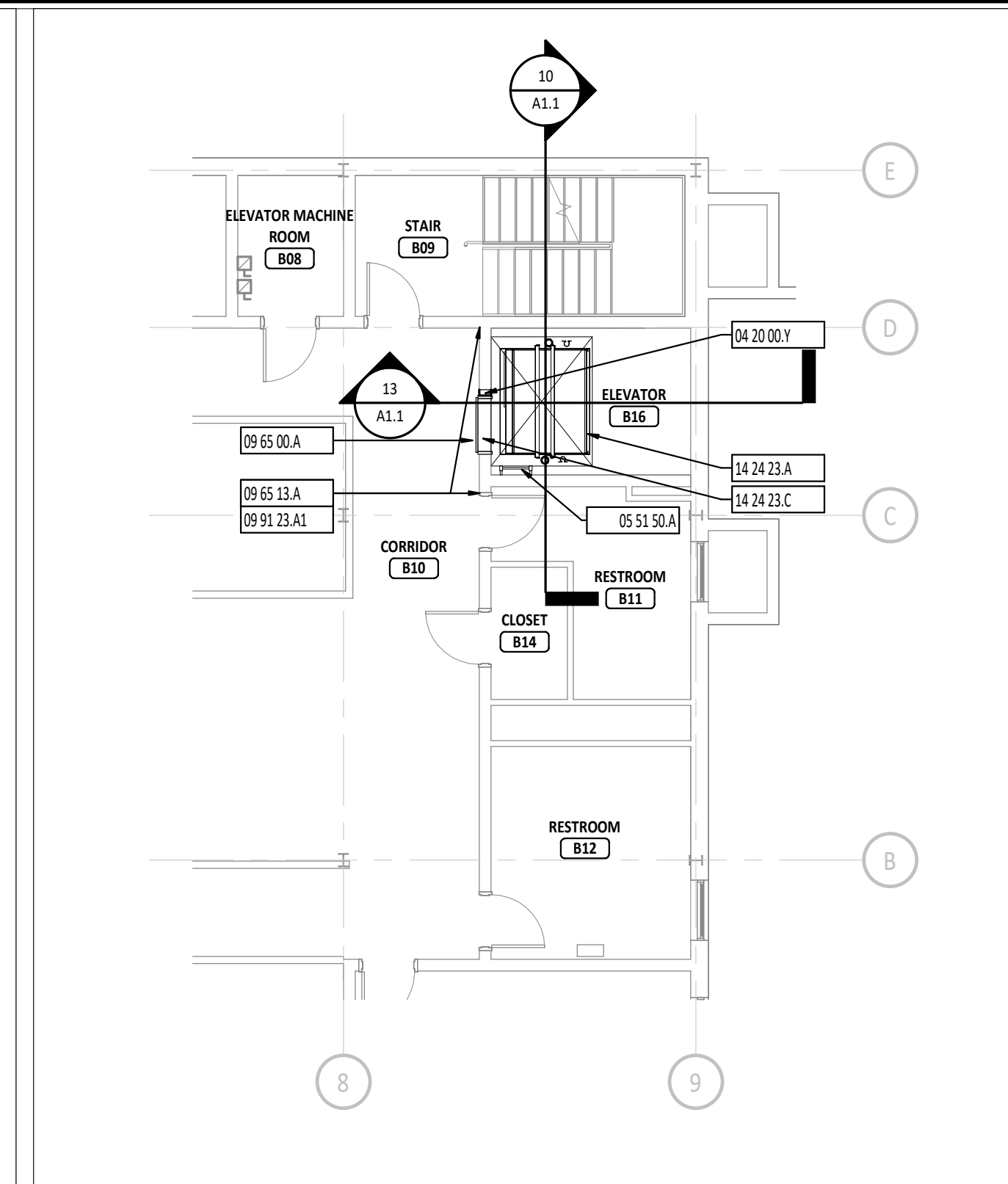
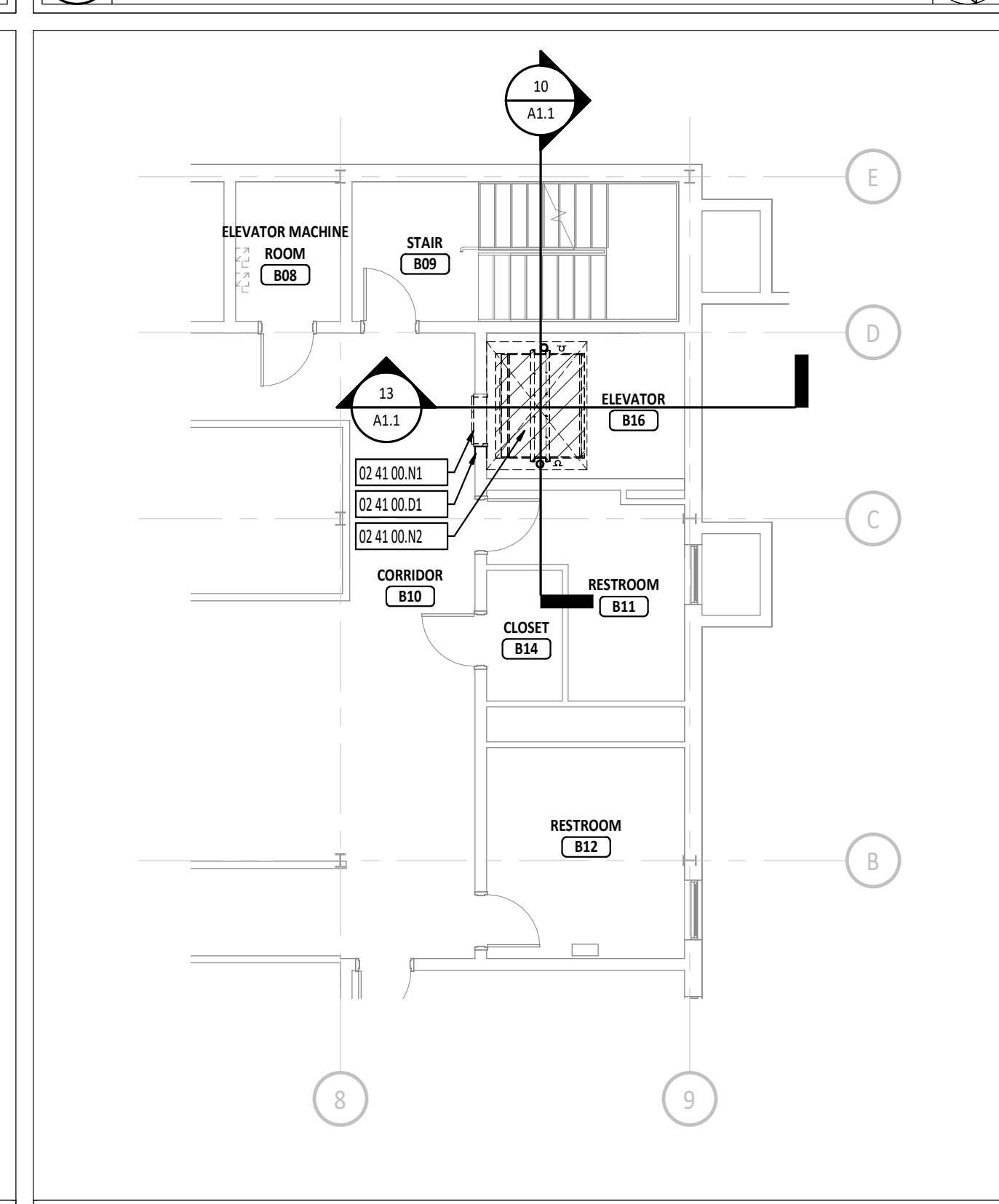
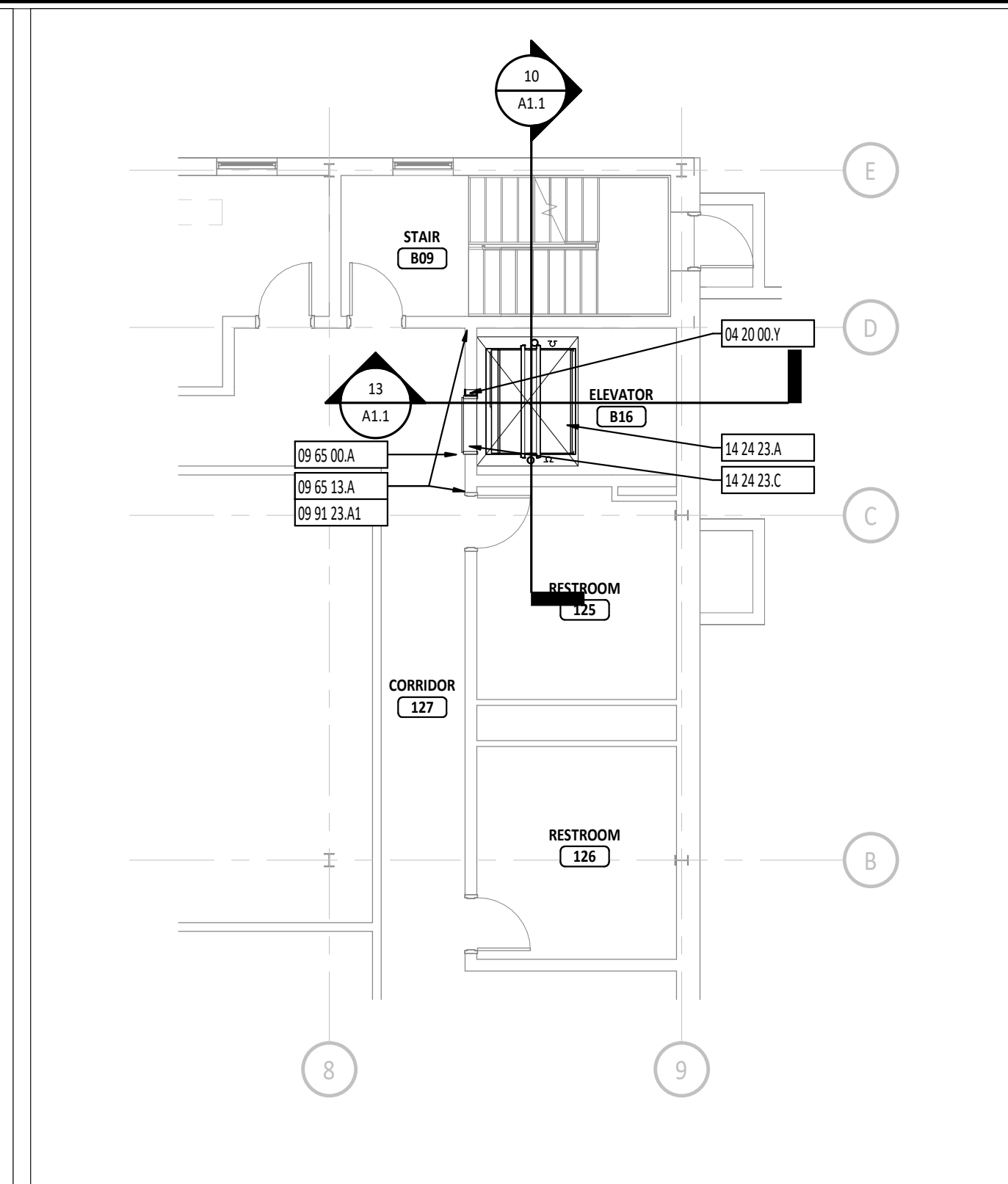
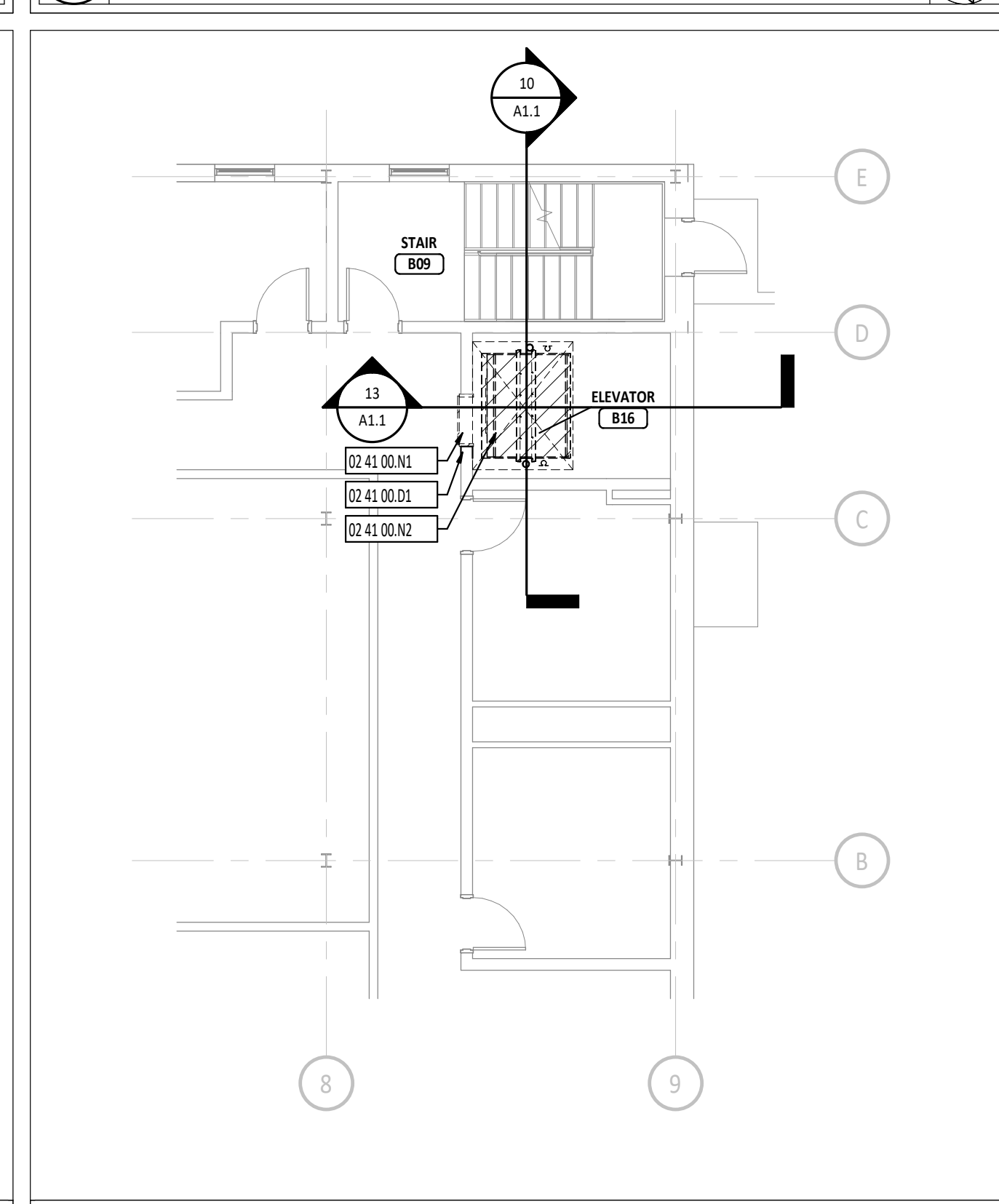
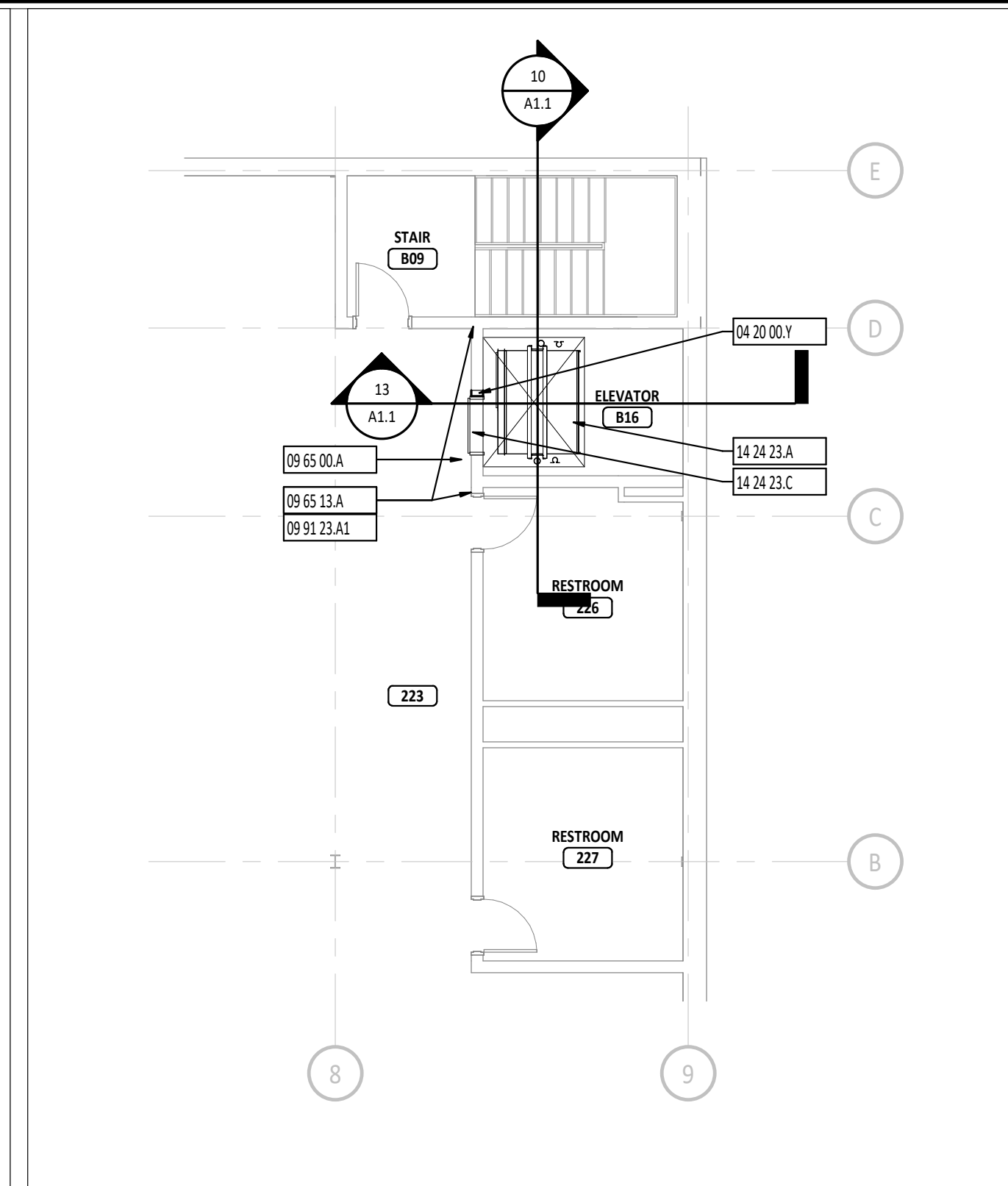
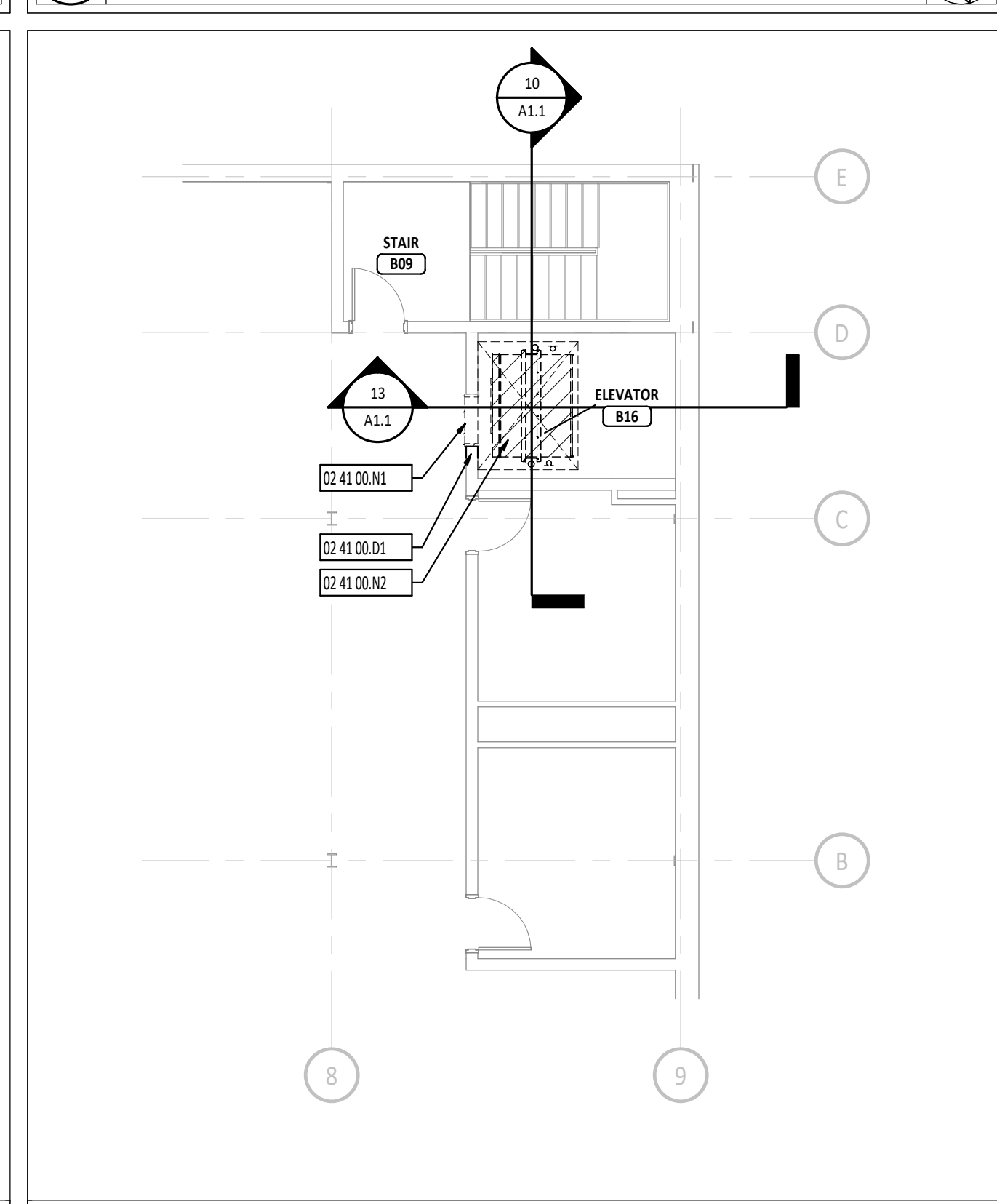
3.04 CLEANING

- A. Clean adjacent surfaces of firestopping materials.

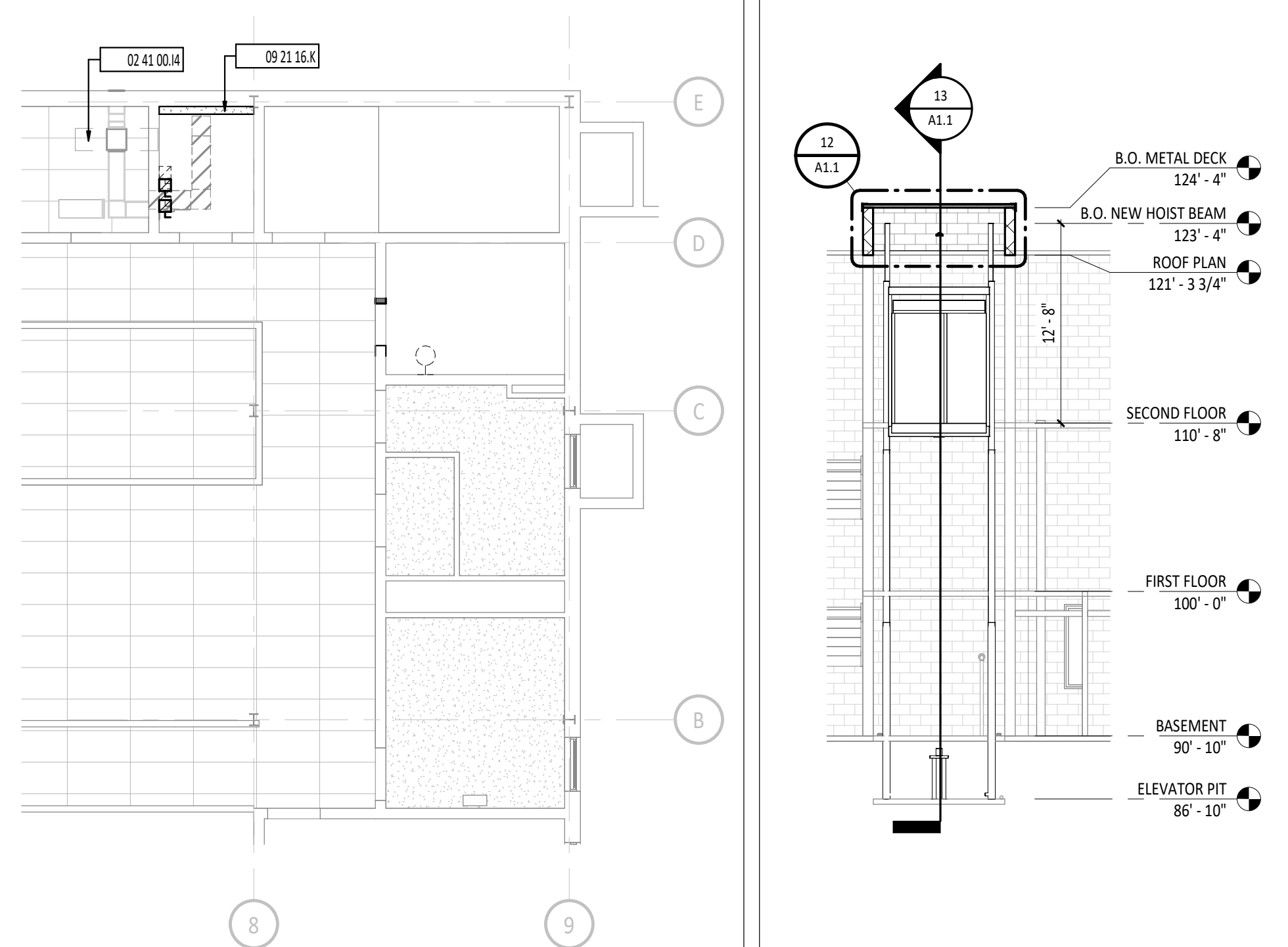
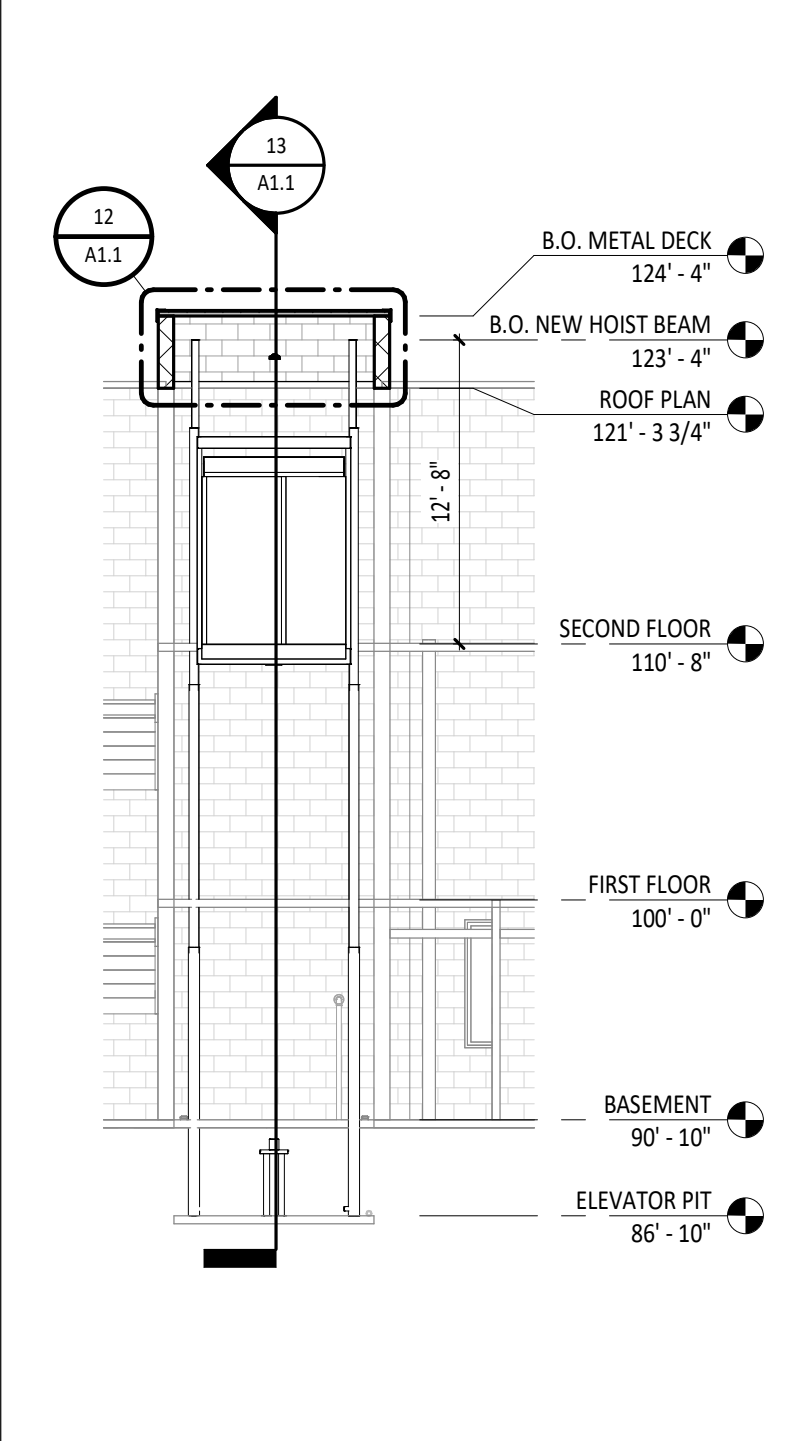
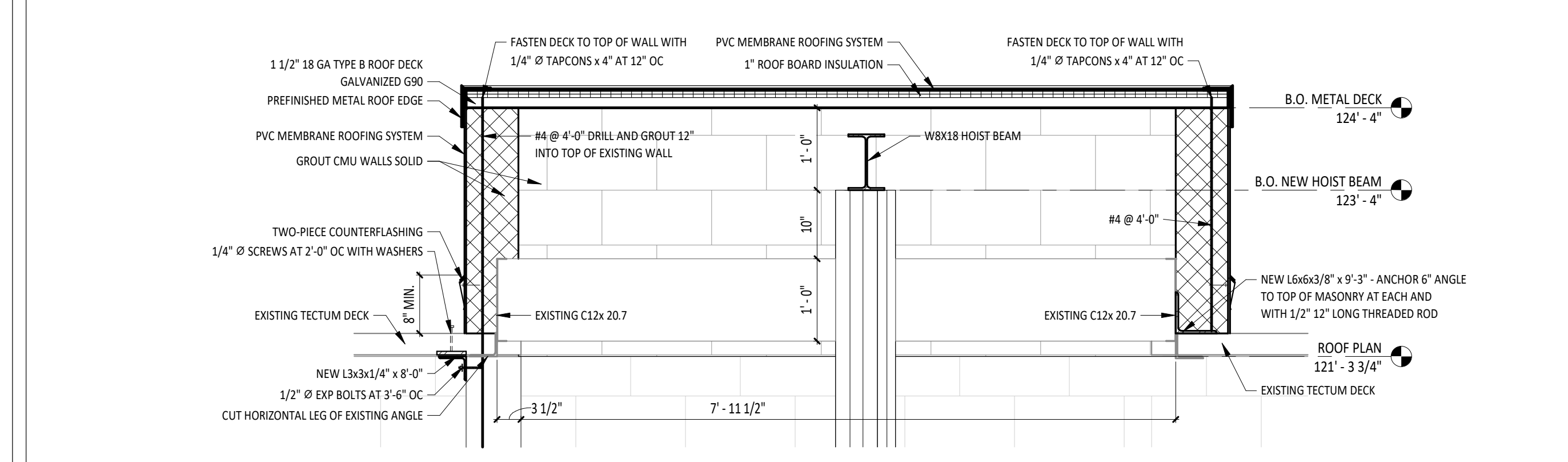
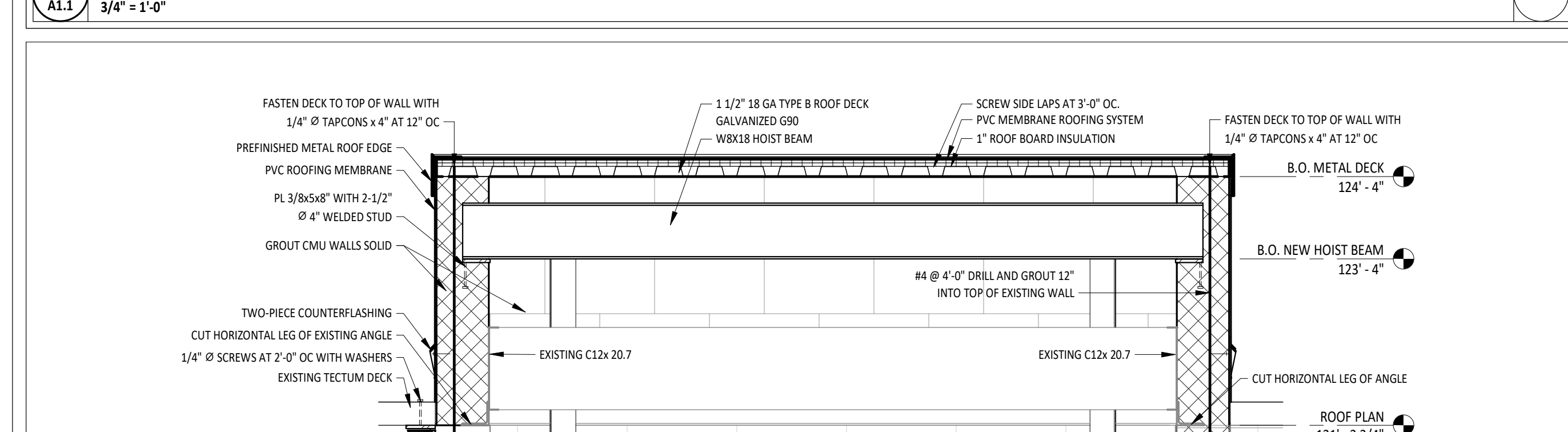
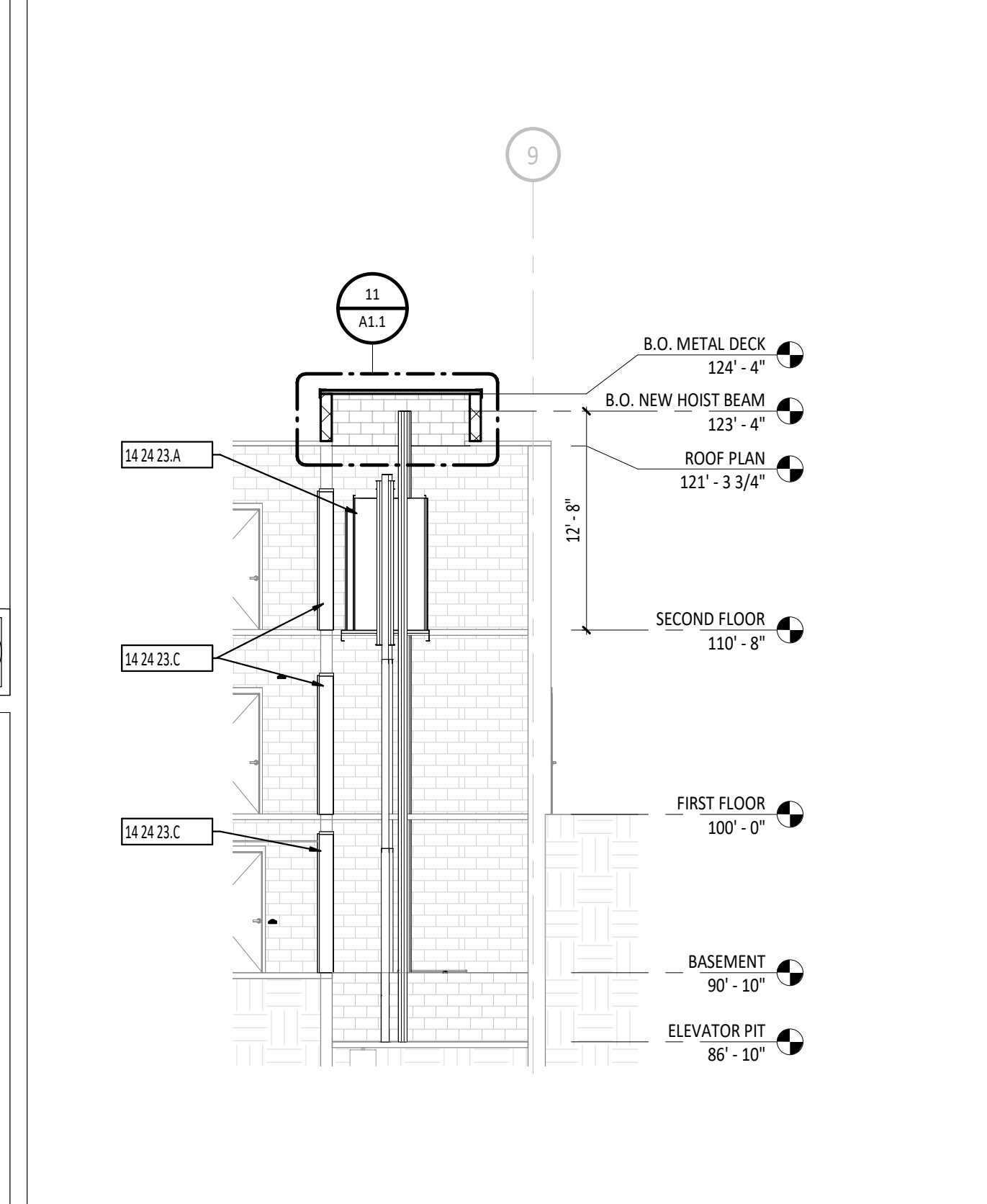
3.05 PROTECTION

- A. Protect adjacent surfaces from damage by material installation.

END OF SECTION

**1**
A1.1
ROOF PLAN
1/8" = 1'-0"**5**
A1.1
DEMOLITION ROOF PLAN
1/8" = 1'-0"**2**
A1.1
BASEMENT FLOOR PLAN
1/8" = 1'-0"**6**
A1.1
BASEMENT FLOOR DEMOLITION PLAN
1/8" = 1'-0"**3**
A1.1
FIRST FLOOR PLAN
1/8" = 1'-0"**7**
A1.1
FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"**4**
A1.1
SECOND FLOOR PLAN
1/8" = 1'-0"**8**
A1.1
SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"**CODE INFORMATION**

PROJECT DESCRIPTION: ELEVATOR MODERNIZATION
PROJECT TYPE: INTERIOR RENOVATION
USE GROUP: B
CONSTRUCTION TYPE: II-B
AREA OF RENOVATION: 94 SF
OCCUPANT LOAD: NO CHANGE IN EXISTING OCCUPANT LOAD
FIRE GRADING: THE BUILDING IS NOT SUPPRESSED
APPLICABLE CODE: 2017 OHIO BUILDING CODE

**9**
A1.1
BASEMENT FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"**10**
A1.1
BUILDING SECTION
1/8" = 1'-0"**11**
A1.1
ROOF DETAIL
3/4" = 1'-0"**12**
A1.1
ROOF DETAIL
3/4" = 1'-0"**13**
A1.1
BUILDING SECTION
1/8" = 1'-0"**ROOM INDEX**

ROOM NUMBER	ROOM NAME	AREA
B08	ELEVATOR MACHINE ROOM	48 SF
B09	STAIR	150 SF
B10	CORRIDOR	2,143 SF
B11	RESTROOM	97 SF
B12	RESTROOM	136 SF
B13	WORKROOM	167 SF
B14	CLOSET	33 SF
B15	EXAM	73 SF
B16	ELEVATOR	94 SF

DEMOLITION FLOOR PLAN GENERAL NOTES

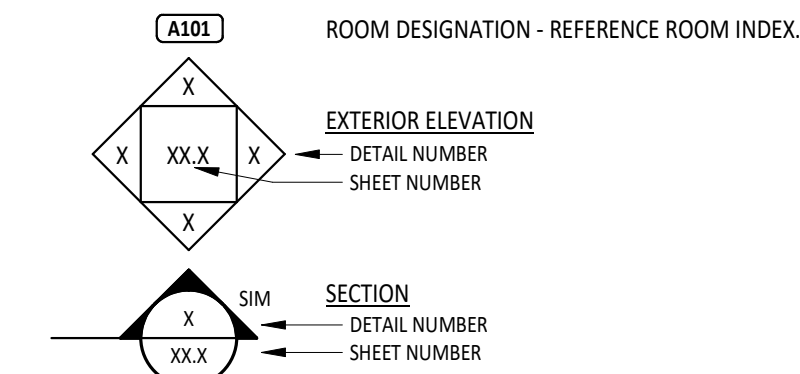
- THESE NOTES APPLY TO ALL ARCHITECTURAL DRAWINGS. FOR DEMOLITION NOTES AND SYMBOLS APPLICABLE ONLY TO DRAWINGS OF DISCUNE OTHER THAN ARCHITECTURAL, REFER TO SPECIFIC DRAWINGS OF THAT GENERAL DEMOLITION NOTES DISCIPLINE.
- FIELD VERIFY CONDITIONS AND COORDINATE DEMOLITION OR REMOVAL WORK WITH CORRESPONDING NEW CONSTRUCTION WORK AND WITH ALL APPROPRIATE TRADES PRIOR TO STARTING DEMOLITION WORK. IF DISCREPANCIES ARE FOUND BETWEEN CONTRACT DOCUMENTS AND ACTUAL FIELD CONDITIONS, NOTIFY ARCHITECT IMMEDIATELY.
- OWNER SHALL REMOVE LOOSE ITEMS, I.E. EQUIPMENT, FURNITURE, ARTWORK, PLAQUES, ETC., PRIOR TO CONTRACTOR'S START OF WORK IN SPECIFIED AREAS. WHERE PARTIAL OCCUPANCY, CONTRACTOR SHALL COORDINATE SCHEDULE WITH OWNER.
- REMOVE ITEMS TO BE DEMOLISHED IN THEIR ENTIRETY UNLESS OTHERWISE NOTED. DESCRIPTION OF PRIMARY ITEMS TO BE REMOVED IS GENERAL IN NATURE, AND REMOVAL OF SECONDARY COMPONENTS SUCH AS BLOCKING, SUPPORTS, ANCHORS, TRIM, ADHESIVE, PIPING, WIRING, ETC., RELATED TO PRIMARY ITEMS SHALL BE INCLUDED.
- PROTECT EXISTING SURFACES TO REMAIN IN AREAS ADJACENT TO DEMOLITION WORK. CONTRACTOR TO REPAIR EXISTING SURFACES TO REMAIN DAMAGED DURING CONSTRUCTION AND DEMOLITION.
- PATCH EXISTING FLOOR, WALL, AND CEILING CONSTRUCTION AT ABANDONED PENETRATION LOCATIONS WITH NEW MATERIALS AS REQUIRED TO RECEIVE NEW FINISHES AND TO MAINTAIN ORIGINAL FIRE RATING ASSEMBLY WHERE APPLICABLE.
- SELECTIVE DEMOLITION FOR INSTALLATION OF NEW MECHANICAL, PLUMBING, OR ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE REQUIRING THE DEMOLITION.
- DEMOLISHED MATERIALS ARE THE PROPERTY OF THE CONTRACTOR UNLESS NOTED OTHERWISE AND SHALL BE PROMPTLY DISPOSED OFF SITE IN A LEGAL MANNER.
- REPAIR FINISHES AND SURFACES LEFT EXPOSED BY DEMOLITION OR REMOVAL OF EQUIPMENT USING NEW MATERIALS TO MATCH SURROUNDING SURFACES. REPAIR EXISTING FLOOR, BASE, WALL AND CEILING FINISHES TO CORRECT DEFECTS CAUSED OR EXPOSED BY DEMOLITION WORK OR EQUIPMENT REMOVAL. REPAIRED SURFACES SHALL BE SMOOTH AND UNDETECTABLE UNDER FINAL FINISHES. AREAS NOTED ON THE DWGS. TO BE REPAIRED OR PATCHED ARE GIVEN FOR REFERENCE AND SHALL NOT BE INTERPRETED TO LIMIT THE SCOPE OF WORK.
- DIMENSIONAL INFORMATION FOR NEW OPENINGS INDICATED ON DEMOLITION DWGS. ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION AND COORDINATION WITH NEW CONSTRUCTION.
- PRIOR TO START OF DEMOLITION, DUST AND SOUND BARRIERS SHALL BE CONSTRUCTED.
- PROPER EGRESS AND APPROVED BARRIERS MUST BE MAINTAINED THROUGHOUT THE DEMOLITION AREA AT ALL TIMES.
- REMOVE DEBRIS DAILY.

FLOOR PLAN GENERAL NOTES

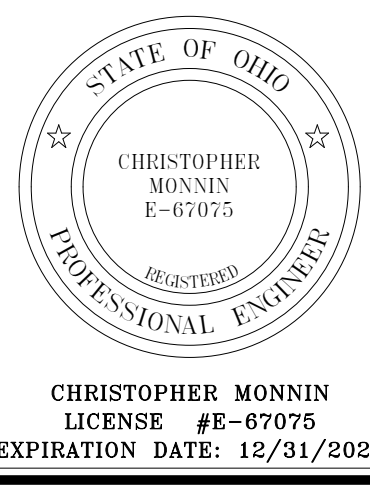
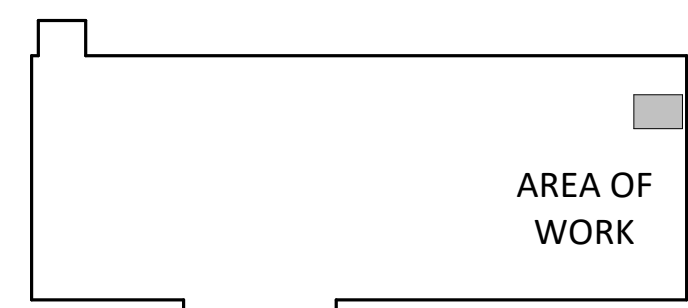
- ALL DIMENSIONS ARE MEASURED TO THE FACE OF MASONRY OR THE FACE OF METAL STUD UNLESS NOTED OTHERWISE.
- ELEVATOR INTERIOR CAB FINISHES ARE TO BE SELECTED FROM MANUFACTURER'S STANDARDS AS SHOWN IN SPECIFICATIONS. FINISHES TO BE CONFIRMED DURING SUBMITTAL REVIEW. ELEVATOR FLOORING TO BE PROVIDED BY FLOORING CONTRACTOR. REFER TO FLOORING SPECIFICATION 09 65 00 FOR MORE INFORMATION.

ROOF PLAN PLAN GENERAL NOTES

- PROVIDE FLASHING IN ACCORDANCE WITH THE SMACNA ARCHITECTURAL SHEET METAL MANUAL LATEST EDITION.
- REFER TO MANUFACTURER FOR ROOF INSTALLATION DETAILS.
- ALL WOOD BLOCKING AT ROOF PENETRATIONS SHALL BE PRESERVATIVE TREATED.
- PROVIDE WELDED CURB FLASHING FOR PENETRATIONS IN METAL ROOF - REFERENCE ROOF DETAILS.
- PROVIDE CRICKETS WITH TAPERED FLASHING AT MECHANICAL OPENINGS.

FLOOR PLAN SYMBOLS LEGEND**KEYNOTE LEGEND**

#	KEYNOTE DESCRIPTION
02 41 00 01	REMOVE EXISTING CONCRETE MASONRY UNIT WALL FOR INSTALLATION OF NEW ELEVATOR DOOR.
02 41 00 02	REMOVE EXISTING ROOF ASSEMBLY - PREPARE FOR NEW WORK.
02 41 00 04	REMOVE EXISTING ACOUSTICAL CEILING TILE CEILING AS REQUIRED FOR OTHER TRADES AND INSTALLATION OF EXHAUST FAN - REINSTALL CEILING.
02 41 00 05	REMOVE EXISTING ELEVATOR DOOR AND FRAME - PREPARE FOR INSTALLATION OF NEW ELEVATOR DOOR AND FRAME.
02 41 00 06	REMOVE EXISTING ELEVATOR - PREPARE ELEVATOR SHAFT FOR INSTALLATION OF NEW ELEVATOR.
02 41 00 07	REMOVE EXISTING MECHANICAL EQUIPMENT.
04 20 00 01	INFILL CONCRETE MASONRY UNIT WALL - TOOTH IN MASONRY.
05 51 50 01	PRE-ENGINEERED ALUMINUM ELEVATOR PIT LADDER - RUN EVERY 12" - LADDER TO EXTEND 4'-0" ABOVE BASEMENT FLOOR LEVEL - LADDER TO LOCATED ON THE STRIKE SIDE OF THE ELEVATOR DOOR.
07 54 19 01	FULLY ADHERED PVC MEMBRANE ROOFING SYSTEM
07 71 00 01	TWO-PIECE PREFINISHED FASCIA WITH DRIP EDGE
09 21 16 K	ENCLOSE EXPOSED PIPING IN 1" SHAFTLINER PANEL, 2 1/2" C-T SHAPED STUDS, 5/8" GYPSUM WALLBOARD (UL #417) - VERIFY HEIGHT IN FIELD.
09 65 00 01	REPLACE VINYL COMPOSITION FLOORING AS NECESSARY DUE TO CONSTRUCTION WORK. NEW FLOORING TO MATCH EXISTING FLOORING. VERIFY IN FIELD AND WITH OWNER.
09 65 13 A	REPLACE BASE AS NECESSARY DUE TO OTHER CONSTRUCTION WORK. NEW BASE TO MATCH EXISTING BASE. VERIFY IN FIELD AND WITH OWNER.
09 91 23 A1	REPAINT WALLS AS NECESSARY DUE TO CONSTRUCTION. FINISH TO BE FLUSH, SMOOTH AND UNDETECTABLE UNDER FINAL COATING. PAINT TO MATCH EXISTING. VERIFY IN FIELD AND WITH OWNER.
14 24 23 A	HYDRAULIC PASSENGER ELEVATOR
14 24 23 C	ELEVATOR DOOR.
23 00 00 01	MECHANICAL EQUIPMENT - REFERENCE MECHANICAL DRAWINGS.

KEY PLAN

GARMANN MILLER
MINSTER, OHIO | COLUMBUS, OHIO | INDIANAPOLIS, INDIANA
craig@garmannmiller.com

HURON COUNTY ADMINISTRATION BUILDING ELEVATOR MODERNIZATION

150 MAIN AVENUE, NORWALK, OHIO 44867

ISSUANCES/REVISIONS

#	ISSUANCE/REVISION	DATE
1	ISSUANCE/REVISION	06/09/2023
2	ISSUANCE/REVISION	05/25/2023

PROJECT NUMBER	DRAWN BY	CHECKED BY
22113.00	HRH	CSM

SHEET TITLE

**PLANS, SECTIONS,
AND DETAILS**

SHEET NUMBER

A1.1

- NOTE:		ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW.
- CHARACTERS		
&	AND	
Ø	DIAMETER/ROUND	
A		
AB	AIR	
ABV	ABOVE BASE	
AC	ABOVE	
ACCU	AIR CONDITIONING	
ACOUS	ACOUSTICAL	
AD	AREA DRAIN	
ADD	ADDENDUM	
ADDL	ADDITIONAL	
AFF	ABOVE FINISHED FLOOR	
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	
AG	ABOVE GROUND	
ALT	ALTERNATE	
AP	ACCESS PANEL	
APPROX	APPROXIMATE	
ARCH	ARCHITECT/ARCHITECTURAL	
AUTO	AUTOMATIC	
AV	ACID RESISTANT VENT	
AW	ACID RESISTANT WASTE	
B		
BFF	BELOW FINISHED FLOOR	
BLDG	BUILDING	
BLW	BELOW	
BO	BY OTHER	
BSMT	BOTTOM	
BSMT	BASEMENT	
BTU	BRITISH THERMAL UNITS	
BTUH	BRITISH THERMAL UNITS PER HOUR	
BTWN	BETWEEN	
C		
CAP	CAPACITY	
CB	CATCH BASIN	
CCW	COUNTER CLOCKWISE	
CFCV	CONSTANT FLOW CONTROL VALVE	
CFM	CUBIC FEET PER MINUTE	
CHW	CIRCULATING HOT WATER	
CI	CAST IRON	
CLG	CEILING/COOLING	
CO	CLEAN OUT	
COL	COLUMN	
COMB	COMBINATION	
CONC	CONCRETE	
CONC	CONCRETE	
CONF	CONFERENCE	
CONN	CONNECT	
CONST	CONSTRUCTION	
CONT	CONTINUE/CONTINUATION	
CONTR	CONTRACT/CONTRACTOR	
COORD	COORDINATE	
CTR	CENTER	
CUFT	CUBIC FEET	
CV	CHECK VALVE	
CW	COLD WATER	
CW	CLOCKWISE	
D		
D	DEGREE	
DB	DRY BULB	
DET	DETAIL	
DI	DIAMETER	
DIA	DIAMETER	
DISCH	DISCHARGE	
DIV	DIVISION	
DMPR	DAMPER	
DNR	DOWN	
DW	DISTILLED WATER	
DWG	DRAWING	
E		
E/A	EXHAUST AIR	
EA	EACH	
EAT	ENTERING AIR TEMPERATURE	
EL	ELBOW	
ELEC	ELECTRICAL	
ELEV	ELEVATION	
EP	EXPLOSION PROOF	
EQ	EQUAL	
EQUIP	EQUIPMENT	
EW	ELECTRIC WATER COOLER	
EW	ENTERING WATER TEMPERATURE	
EXST	EXISTING	
EXP	EXPANSION JOINT	
EXT	EXTERIOR	
F		
F	DEGREES FAHRENHEIT	
FLO	FLOOR CLEAN OUT	
FD	FLOOR DRAIN/FIRE DAMPER	
FDV	FIRE DEPARTMENT VALVE	
FHC	FIRE HOSE CABINET	
FL	FLOOR	
FLEX	FLEXIBLE	
FLG	FLANGE	
FO	FUEL OIL	
FOR	FUEL OIL RETURN	
FOS	FUEL OIL SUPPLY	
FOV	FUEL OIL VALVE	
FPM	FEET PER MINUTE	
FRP	FIBERGLASS REINFORCED PIPE	
FS	FULL SIZE/FLOOR SINK	
FT	FOOT/FEET	
FTG	FOOTING	
FTR	FIN TUBE RADIATION	
FUT	FUTURE	
G		
G	GAGE/GAUGE	
GAL	GALLON	
GALV	GALVANIZED	
GC	GENERAL CONTRACTOR	
GEN	GENERAL	
GENL	GENERAL	
GPM	GALLONS PER MINUTE	
GR	GRADE	
GW	GREASE WASTE	
H		
H	HOSE BIB	
HD	HEAD	
HORZ	HORIZONTAL	
HP	HORSE POWER/HIGH PRESSURE	
HTG	HEATING	
HTR	HEATER	
HW	HOT WATER	
HYD	HYDRANT	
I		
I	INDIRECT	
IN	INCH	
INL	INLET	
INSUL	INSULATION	
INT	INTERIOR	
INV	INVERT	
INWG	INCHES WATER GAUGE	
J		
JST SPC	JOIST SPACE	
JT	JOINT	
L		
L	LABORATORY	
LAT	LEAVING AIR TEMPERATURE	
LB	POUND	
LB/HR	POUNDS PER HOUR	
LF	LINEAL FOOT	
LP	LOW PRESSURE	
LPG	LIQUEFIED PETROLEUM GAS	
LR	LIQUID REFRIGERANT	
LVR	LOUVER	
LWT	LEAVING WATER TEMPERATURE	
M		
M/A	MIXED AIR	
MAN	MANUAL	
MATL	MATERIAL	
MAV	MANUAL AIR VENT	
MAX	MAXIMUM	
MBD	MOTORIZED BYPASS DAMPER	
MBH	ONE THOUSAND BTU PER HOUR	
MC	ONE THOUSAND CUBIC FEET	
MCW	MAKE-UP COLD WATER	
MD	MOTORIZED DAMPER	
MECH	MECHANICAL	
MFR	MANUFACTURER	
MH	MANHOLE	
MIN	MOTORIZED BYPASS DAMPER	
MISC	MISCELLANEOUS	
MTR	MOTOR	
MU/A	MAKE-UP/AIR	
N		
N	NECK	
NC	NOISE CRITERIA/NORMALLY CLOSED	
NC	NOT IN CONTRACT	
NO	NUMBER/NORMALLY OPEN	
NOM	NOMINAL	
NTS	NOT TO SCALE	

F	DEGREES FAHRENHEIT
FLO	FLOOR CLEAN OUT
FD	FLOOR DRAIN/FIRE DAMPER
FDV	FIRE DEPARTMENT VALVE
FHC	FIRE HOSE CABINET
FL	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FO	FUEL OIL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VALVE
FPM	FEET PER MINUTE
FRP	FIBERGLASS REINFORCED PIPE
FS	FULL SIZE/FLOOR SINK
FT	FOOT/FEET
FTG	FOOTING
FTR	FIN TUBE RADIATION
FUT	FUTURE

G	GAGE/GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GENL	GENERAL
GPM	GALLONS PER MINUTE
GR	GRADE
GW	GREASE WASTE

H	HOSE BIB
HD	HEAD
HORZ	HORIZONTAL
HP	HORSE POWER/HIGH PRESSURE
HTG	HEATING
HTR	HEATER
HW	HOT WATER
HYD	HYDRANT

I	INDIRECT
IN	INCH
INL	INLET
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
INWG	INCHES WATER GAUGE

J	JOIST SPACE
JT	JOINT

L	LABORATORY
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LB/HR	POUNDS PER HOUR
LF	LINEAL FOOT
LP	LOW PRESSURE
LPG	LIQUEFIED PETROLEUM GAS
LR	LIQUID REFRIGERANT
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE

M	MIXED AIR
MAN	MANUAL
MATL	MATERIAL
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBD	MOTORIZED BYPASS DAMPER
MBH	ONE THOUSAND BTU PER HOUR
MC	ONE THOUSAND CUBIC FEET
MCW	MAKE-UP COLD WATER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MOTORIZED BYPASS DAMPER
MISC	MISCELLANEOUS
MTR	MOTOR
MU/A	MAKE-UP/AIR

N	NECK
NC	NOISE CRITERIA/NORMALLY CLOSED
NC	NOT IN CONTRACT
NO	NUMBER/NORMALLY OPEN
NOM	NOMINAL
NTS	NOT TO SCALE

O	OXYGEN
O/A	OUTSIDE AIR
OC	ON CENTER
OF	OVERFLOW
OPNG	OPENING
ORD	OVERFLOW ROOF DRAIN

P	PRESSURE DROP
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PR	PAIR
PREL	PRELIMINARY
PRESS	PRESSURE
PRIM	PRIMARY
PRV	PRESSURE REDUCING VAL
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PW	POTABLE WATER
PWR	POWER

R	DUCT RISER
R/A	RETURN AIR
RCP	RADIANT CEILING PANEL
RD	ROOF DRAIN
REC	RECESSED
RED	REDUCER
REFR	REFRIGERATION
REQD	REQUIRED
REV	REVERSE
RH	RELATIVE HUMIDITY
RL/A	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RW	RAILWAYS

S	SUPPLY AIR
SAN	SANITARY
SCHED	SCHEDULE
SD	SMOKE DAMPER
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SLV	SLEEVE
SM	SURFACE MOUNT
SP	STANDPIPE/STATIC PRESSURE
SPIC	SPECIFICATION
SPS	STATIC PRESSURE STATION
SQ	SQUARE
SR	SUCTION REFRIGERANT
SS	STAINLESS STEEL
SSD	SOIL SUBDRAIN
STD	STANDARD
STM	STEAM
STRUCT	STRUCTURAL
SUCT	SUCTION
SUSP	SUSPENDED

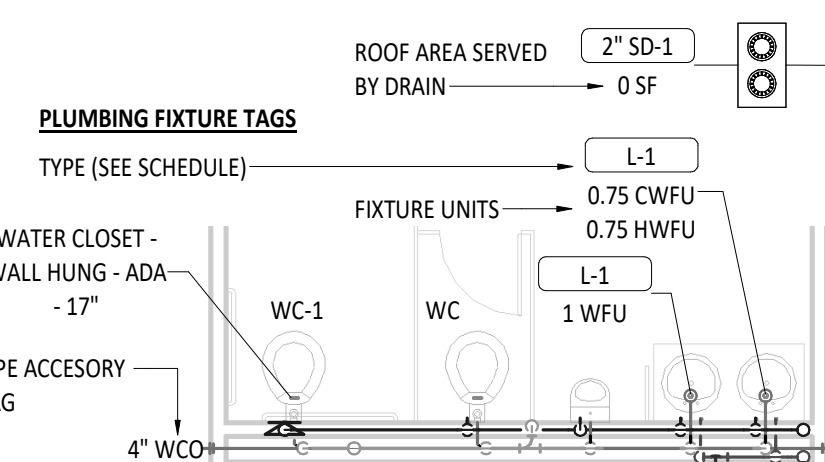
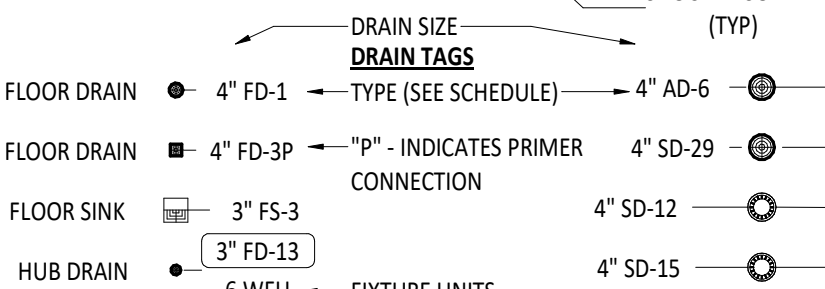
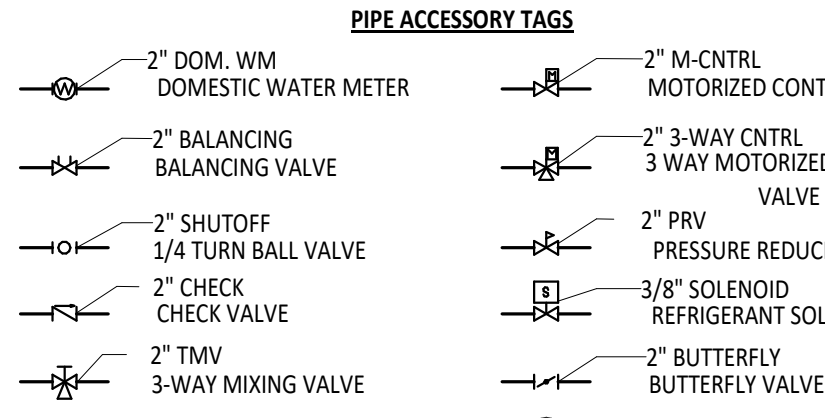
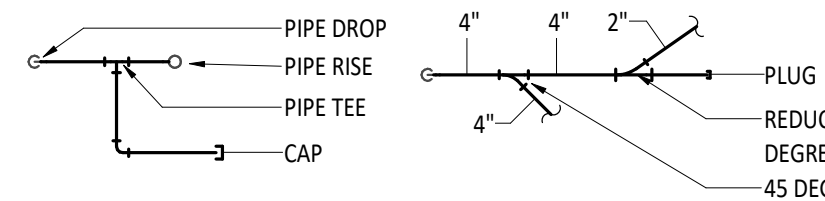
T	THERMOSTAT
TCP	TEMPERATURE CONTROL PANEL
TD	TEMPERATURE DROP
TDR	TRENCH DRAIN
TEFC	TOTALLY ENCLOSED FAN COOLED
TEMP	TEMPERATURE
TYP	TYPICAL

U	UNDER FLOOR DUCT
UG	UNDERGROUND

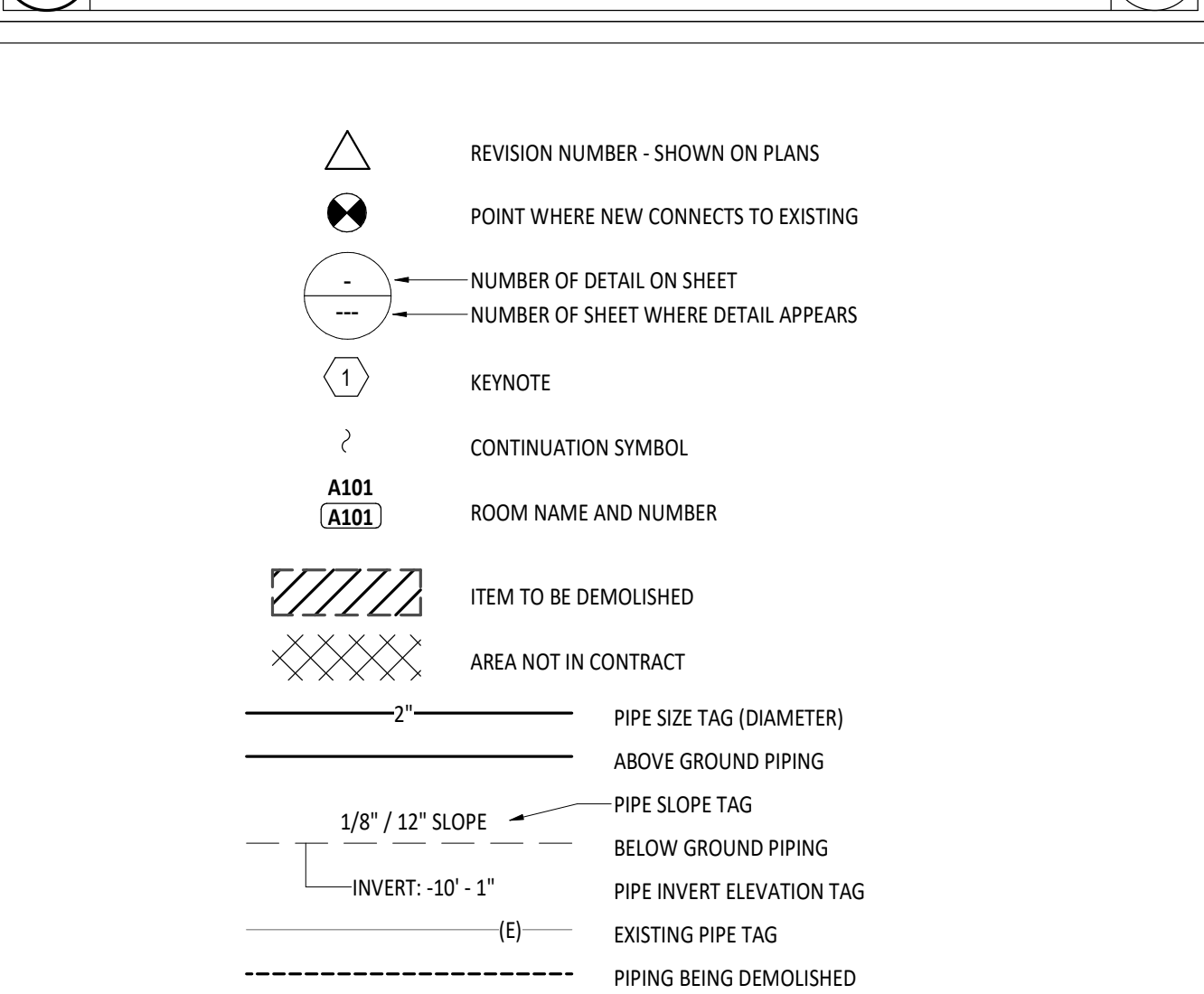
V	VENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VENT	VENTILATION
VERT	VERTICAL
VOL	VOLUME
VTR	VENT THROUGH ROOF

W	WASTE
WB	WET BULB
WCO	WALL CLEAN OUT
WH	WALL HYDRANT

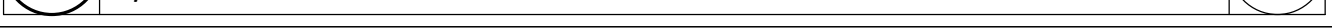
— CWV —	COMBINATION WASTE & VENT
— CA —	COMPRESSED AIR
— — CW —	DOMESTIC COLD WATER
— — H CW —	HARD COLD WATER
— — F CW —	SOFT COLD WATER
— — S CW —	FILTERED COLD WATER
— — RO —	REVERSE OSMOSIS WATER
— — HW —	HOT WATER
— — HW 140° —	HOT WATER 140°
— — HW-R —	HOT WATER RECIRCULATION
— — HW-R 140° —	HOT WATER RECIRCULATION 140°
— — GV —	GREASE VENT
— — GW —	GREASE WASTE
— — IW —	INDIRECT WASTE
— — OV —	OIL VENT
— — OW —	OIL WASTE
— — PD —	PUMP DISCHARGE
— — V —	SANITARY VENT
— — SS —	SANITARY SEWER
— — SHWR —	SOLAR HOT WATER RETURN
— — SHWS —	SOLAR HOT WATER SUPPLY
— — SD —	STORM DRAINAGE
— — OSD —	OVERFLOW STORM DRAINAGE



1 PLUMBING AND PIPING SYMBOLS

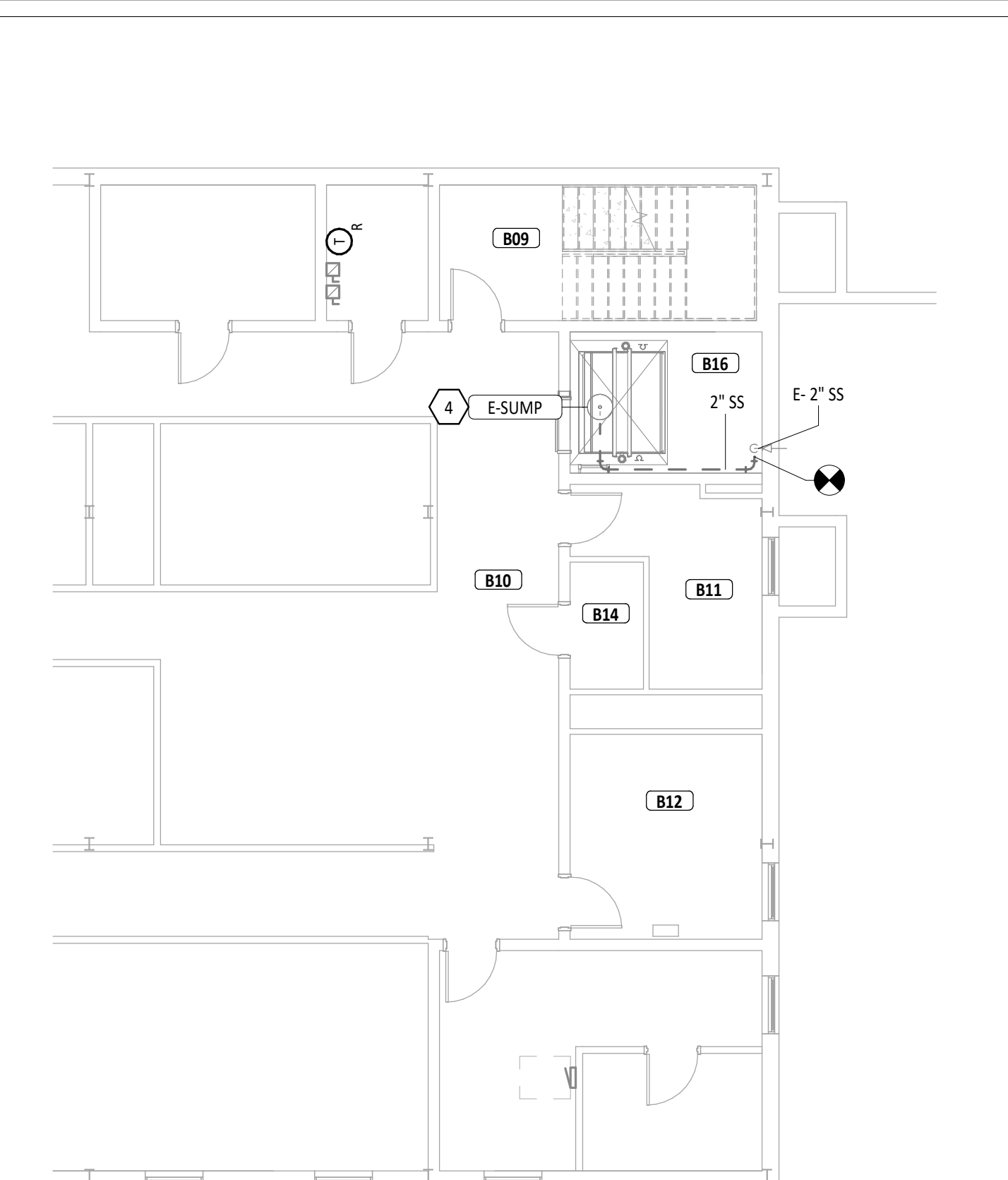


2 GENERAL PLUMBING SYMBOLS



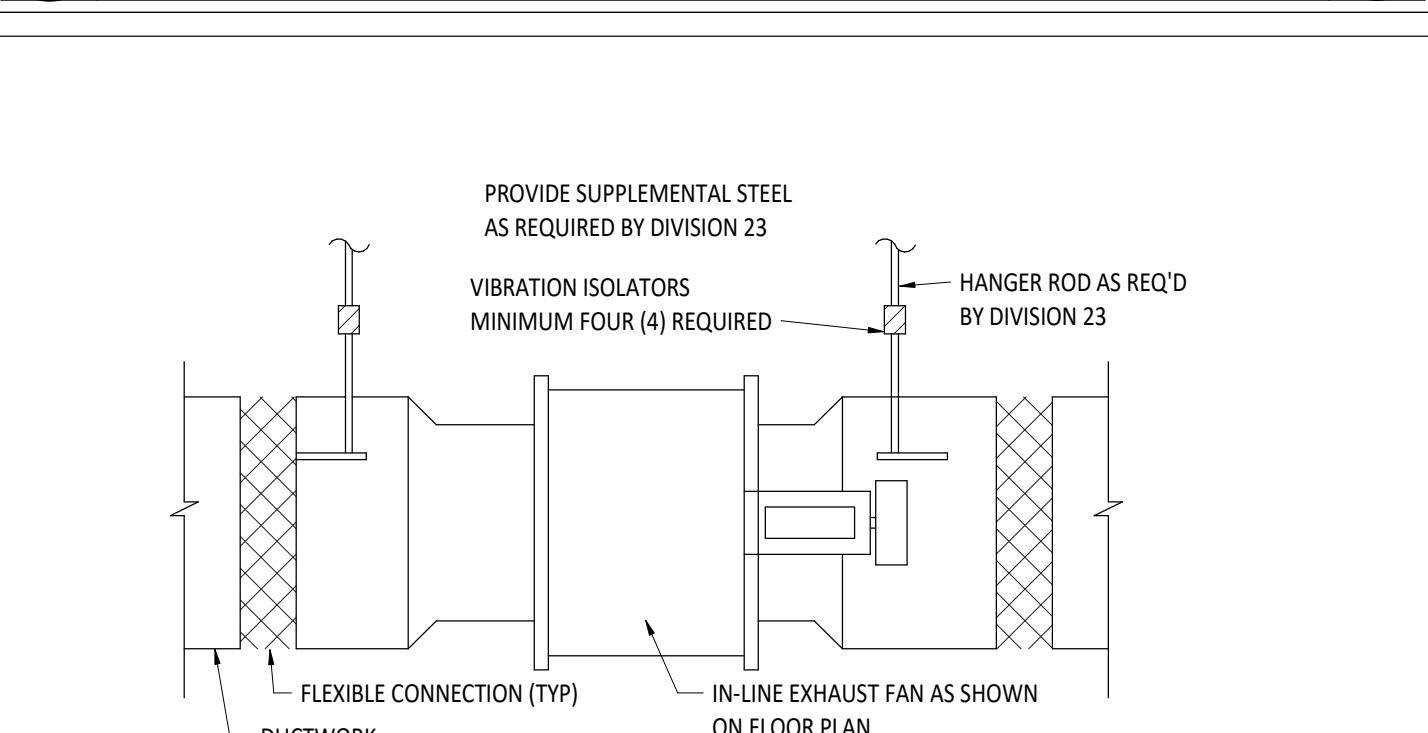
3 PLUMBING DEMO PLAN

1/8" = 1'-0"



5 PLUMBING PLAN - BASEMENT

1/8" = 1'-0"



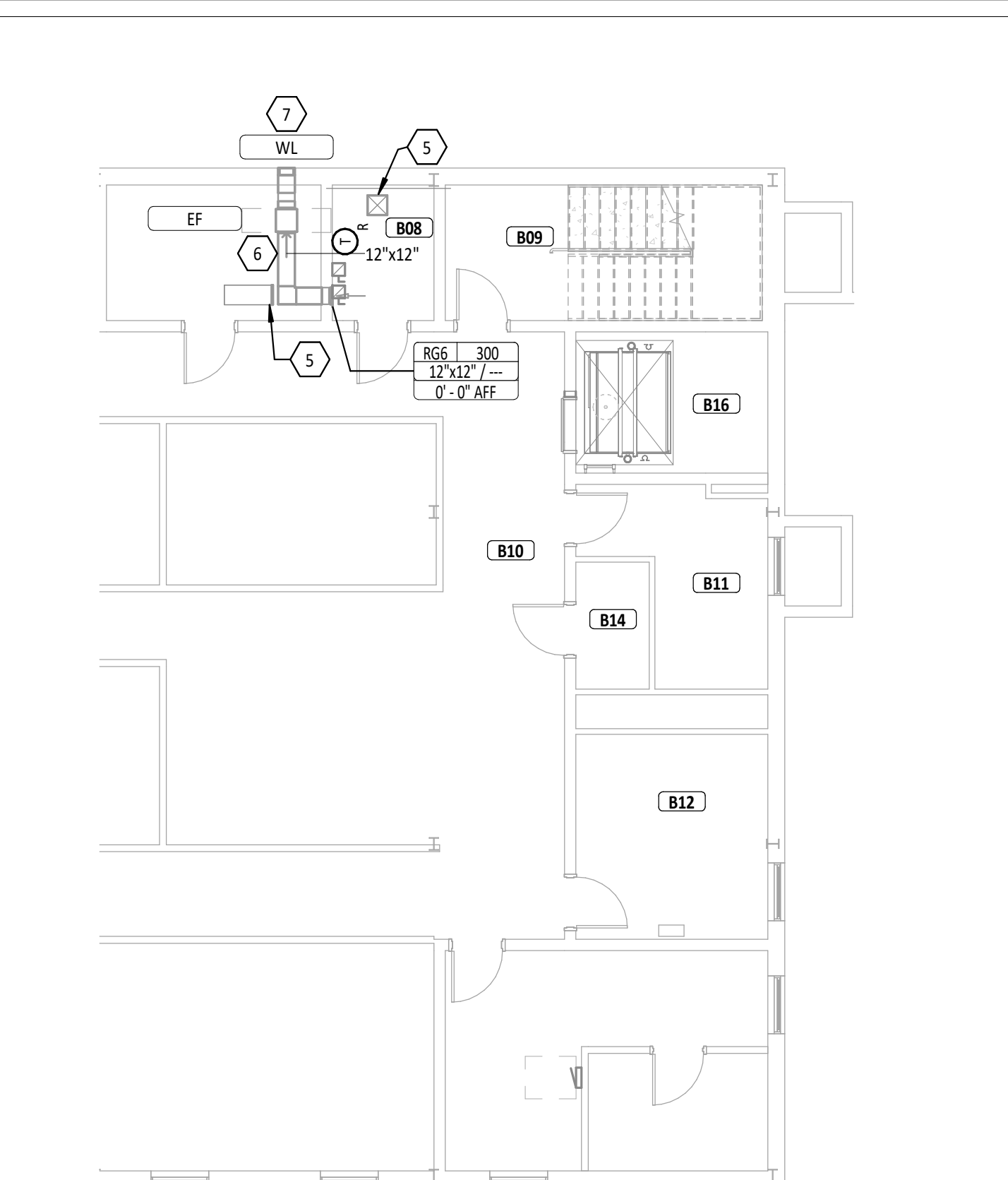
7 INLINE EXHAUST FAN

NTS

ROOM NUMBER	ROOM NAME	AREA
B08	ELEVATOR MACHINE ROOM	48 SF
B09	STAIR	150 SF
B10	CORRIDOR	2,143 SF
B11	RESTROOM	97 SF
B12	RESTROOM	136 SF
B13	WORKROOM	167 SF
B14	CLOSET	33 SF
B15	EXAM	73 SF
B16	ELEVATOR	94 SF

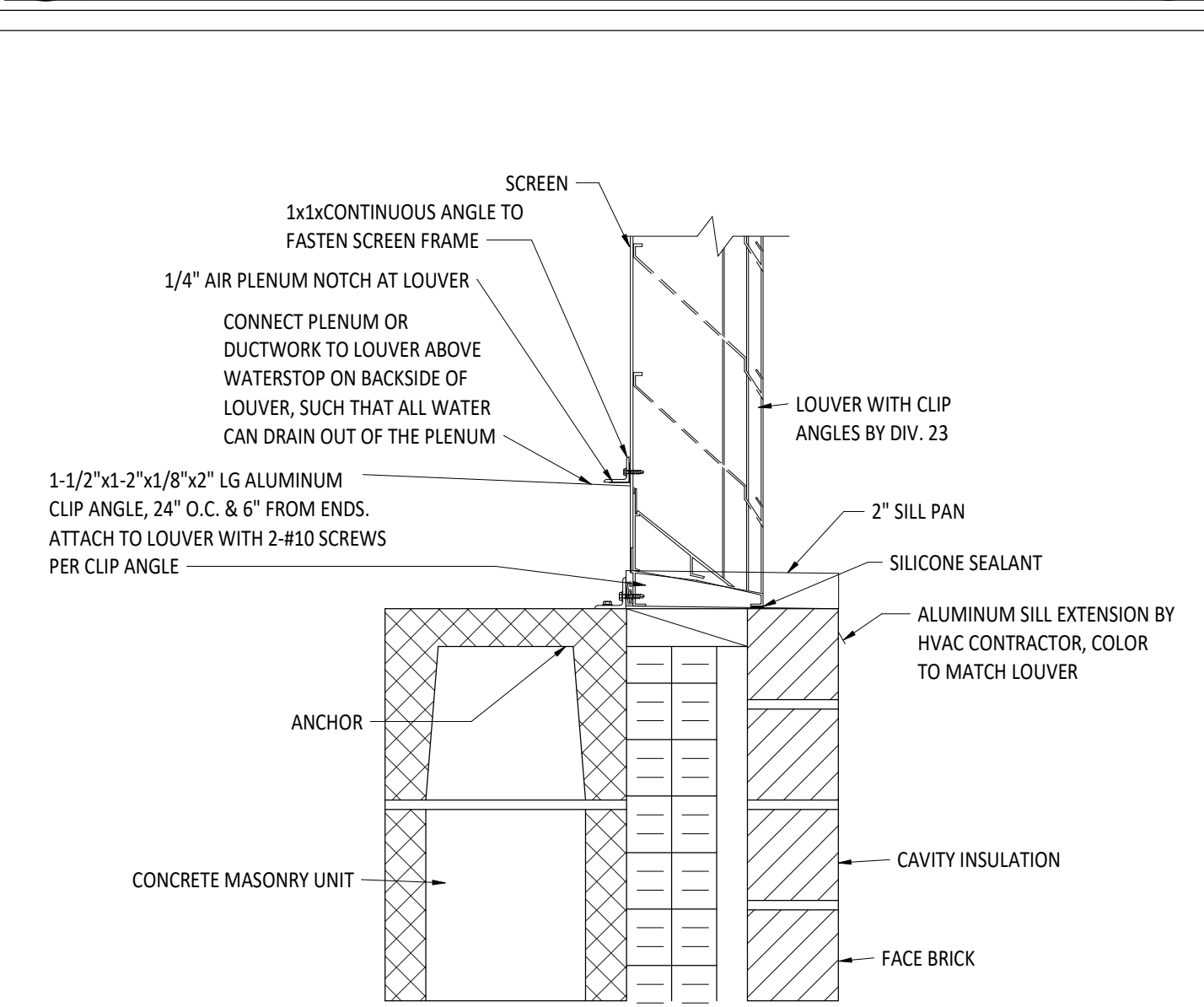
4 MECHANICAL DEMO PLAN

1/8" = 1'-0"



6 MECHANICAL PLAN - BASEMENT

1/8" = 1'-0"



8 WALL LOUVER CONNECTION

NTS



PLUMBING SHEET INDEX

SHEET NUMBER	SHEET NAME
MP1.1	PLUMBING AND MECHANICAL PLAN

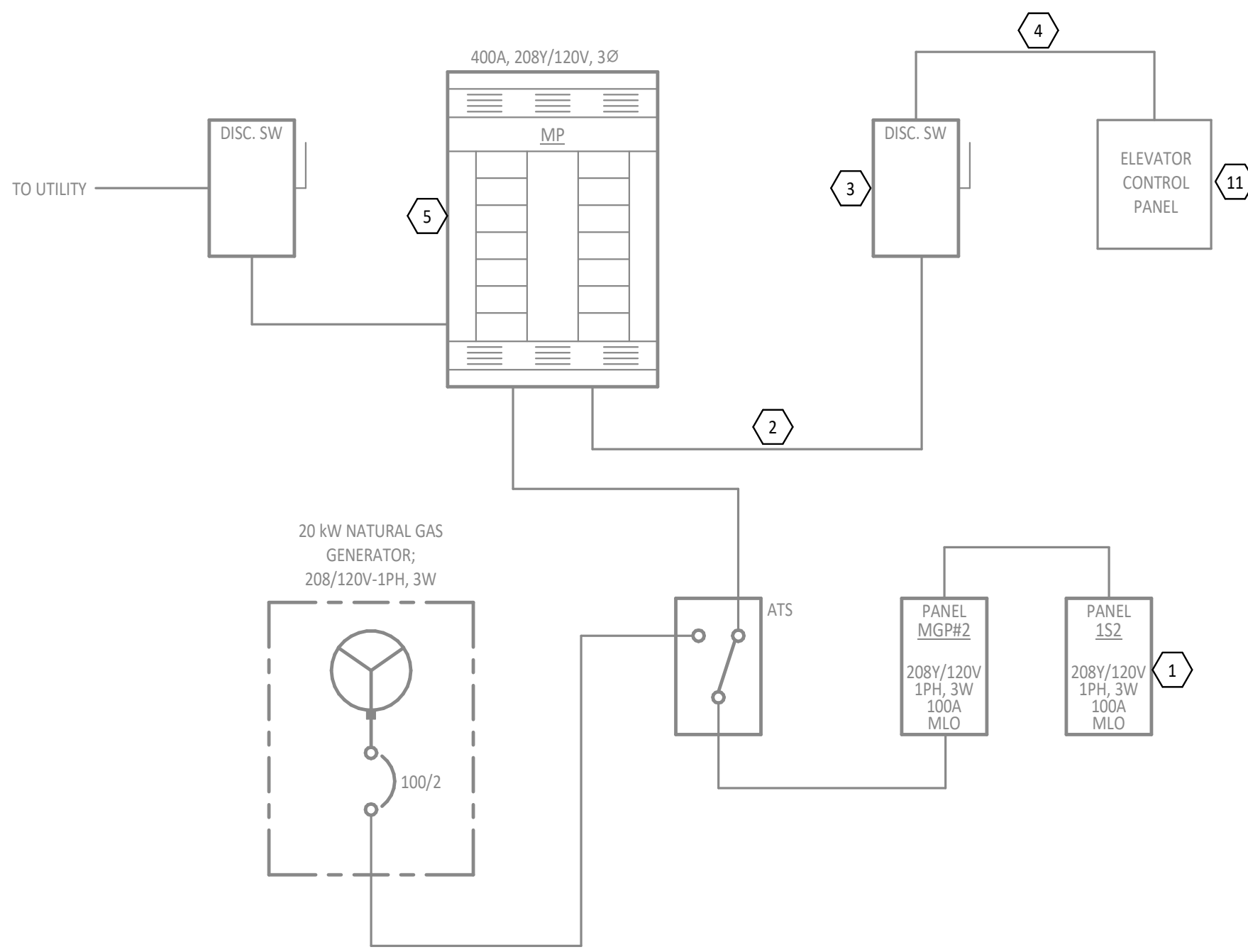
#	KEYNOTE DESCRIPTION
1	EXISTING SUMP PUMP AND ASSOCIATED VERTICAL CONNECTING TO PIPING OUT OF ELEVATOR SHAFT TO REMAIN. REMOVE PIPING ALONG FLOOR OF ELEVATOR SHAFT AND DISPOSE OF OFF SITE. VERIFY THAT THE OUTLET OF THE SUMP PUMP IS INDIRECTLY CONNECTED TO SANITARY OR STORM. REMOVE EXISTING SUMP PUMP COVER AND DISPOSE OF OFF SITE. VERIFY EXISTING SUMP PUMP DIAMETER AND LOCATION ON SITE.
2	REMOVE ALL DUCTWORK AND ACCESSORIES LOCATED WITHIN THE BASEMENT ELEVATOR MACHINE ROOM. PREPARE EXISTING DUCTWORK TO CAP OUTSIDE THE WALL WITH ENOUGH SPACE FOR NEW INSTALLATION OF DUCTWORK SHOWN ON THIS SHEET. CAP DUCTWORK TO THE FLOOR ABOVE. VERIFY EXISTING SIZE, TYPE, AND LOCATION ON SITE. REFER TO THIS SHEET FOR ADDITIONAL INFORMATION.
3	REMOVE EXISTING ROOF VENT HOOD AND DISPOSE OF OFF SITE. VERIFY EXISTING SIZE TYPE AND LOCATION ON SITE.
4	INSTALL NEW SUMP PUMP DRAIN COVER AND INSTALL FLUSH TO FLOOR. COVER TO HAVE 5/8" HOLES THROUGHOUT FOR DRAINING. VERIFY EXISTING SIZE, TYPE, AND LOCATION ON SITE. COORDINATE LOCATION OF NEW PIPING INSTALLED WITH THE ELEVATOR MANUFACTURER AND GENERAL CONTRACTOR.
5	CAP DUCTWORK IN THE APPROXIMATE LOCATION SHOWN. VERIFY EXISTING SIZE, TYPE, LOCATION, AND NEEDED SPACE ON SITE.
6	INSTALL NEW DUCTWORK, GRILL, BACK DRAFT DAMPER, AND LOUVER IN THE APPROXIMATE LOCATION SHOWN. DUCT IS TO BE INSULATED FROM THE WALL LOUVER TO THE EXHAUST FAN. DUCT WILL PENETRATE THE MACHINE ROOM USING THE EXISTING OPENING. COORDINATE SIZE, TYPE, AND LOCATION OF EXISTING OPENING. COORDINATE WALL CUTTING AND OTHER ITEMS WITH GENERAL CONTRACTOR.
7	INSTALL WALL LOUVER IN EXISTING WALL. COORDINATE WALL CUTTING AND INSTALLATION WITH GENERAL CONTRACTOR.

PLUMBING GENERAL NOTES

- PROVIDE TRAP PRIMERS FOR FLOOR DRAINS SERVING MECHANICAL ROOMS, MECHANICAL DECKS, EMERGENCY SHOWERS, KITCHEN FLOOR DRAINS, AND AS REQUIRED BY CODE. SUPPLY NEAREST COLD WATER PIPING CONNECTED TO A FLUSH VALVE OR SOLENOID VALVE. SUPPLY PIPING SHALL BE 1/2" VALVED COLD WATER LINE. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.
- VERIFY INVERT ELEVATIONS ON UNDERGROUND SANITARY AND STORM PIPING. COORDINATE DEPTHS WITH THE BUILDING CONSTRUCTION AND ALL OTHER UTILITIES.
- ALL SANITARY AND VENT PIPING IN CHASE EXPOSED TO THE PLENUM AND ABOVE CEILING WHERE PLENUM IS USED FOR RETURN AIR SHALL BE CAST IRON. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL FINAL GAS CONNECTIONS SHALL BE MADE WITH FLEXIBLE STAINLESS STEEL PIPE OR RIDGED PIPE WITH UNION, SHUT-OFF VALVE AND DIRT LEG. REFERENCE DETAIL FOR ADDITIONAL INFORMATION.
- ALL WASTE AND VENT PIPING SERVING PLUMBING FIXTURES DISCHARGING 140°F WATER OR HIGHER SHALL BE CAST IRON OR ABS SCHEDULE 40 PIPE.
- ALL KITCHEN SANITARY PIPING NOTED WITH "GI" SHALL BE SLOPED AT 1/4" PER FOOT FROM KITCHEN EQUIPMENT TO THE GREASE INTERCEPTOR.
- PITCH UNDERFLOOR SANITARY WASTE AND STORM PIPING 3" AND GREATER AT 1/8" PER FOOT, UNLESS NOTED OTHERWISE. PITCH ALL OTHER WASTE PIPING AT 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
- ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY SEWER, AND STORM SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFERENCE CIVIL PLANS.
- PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.
- DIVISION 22 PLUMBING CONTRACTOR SHALL REFERENCE KITCHEN EQUIPMENT PLANS FOR ADDITIONAL PLUMBING WORK REQUIRED IN THE KITCHEN AREA.
- WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK.
- FIRE SEAL AROUND PIPING PENETRATIONS OF FIRE RATED WALLS. REFERENCE SPECIFICATION.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
- FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
- FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
- WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.
- PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL SANITARY AND STORM RISERS.
- PENETRATIONS THROUGH THE STORM SHELTER ENVELOPE LARGER THAN 3-1/2 SQUARE INCHES IN AREA FOR RECTANGULAR OPENINGS OR 2-1/16 INCHES IN DIAMETER SHALL BE CONSIDERED OPENING AND SHALL BE PROVIDED WITH AN OPENING PROTECTIVE DEVICE. REFERENCE STRUCTURAL DRAWINGS.

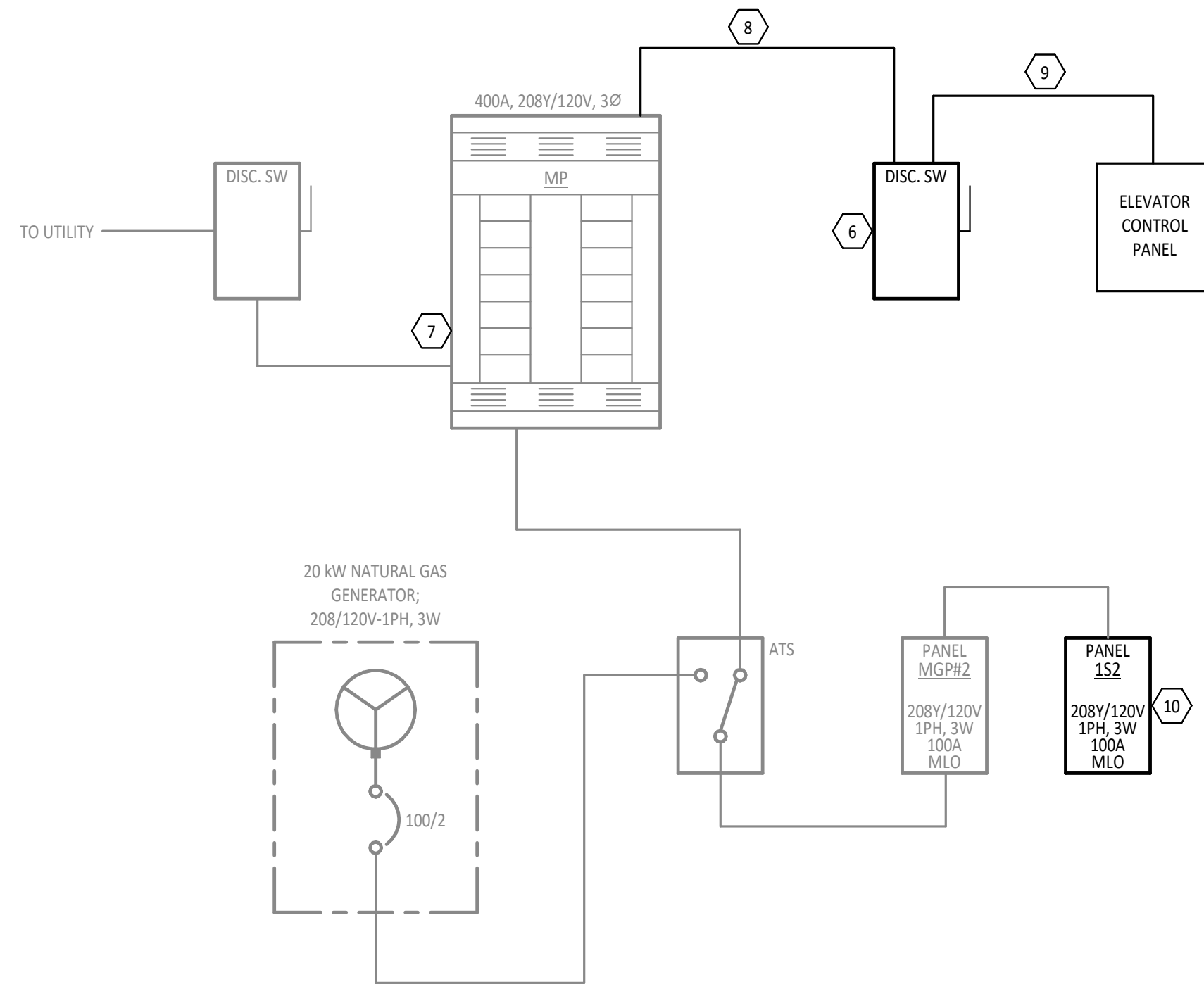
GENERAL NOTES

- REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES. DISPOSE OF THESE ITEMS OFF SITE.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN SCOPE AREA AND WITHIN CLOSE PROXIMITY OF THE SCOPE AREA.
- THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICES AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVES AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE OWNER'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
- WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNLESS DRAINS AT COMPLETION OF CONSTRUCTION.
- COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
- FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
- LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
- ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
- LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.
- FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. REFER TO SPECIFICATION.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
- ADJUST PIPING AND DUCTWORK



NOTE: ALL EQUIPMENT AND FEEDERS SHOWN ARE EXISTING UNLESS NOTED OTHERWISE.

1 EXISTING ELECTRICAL ONE-LINE DIAGRAM
E2.1 NTS



NOTE: ALL EQUIPMENT AND FEEDERS SHOWN ARE EXISTING UNLESS NOTED OTHERWISE.

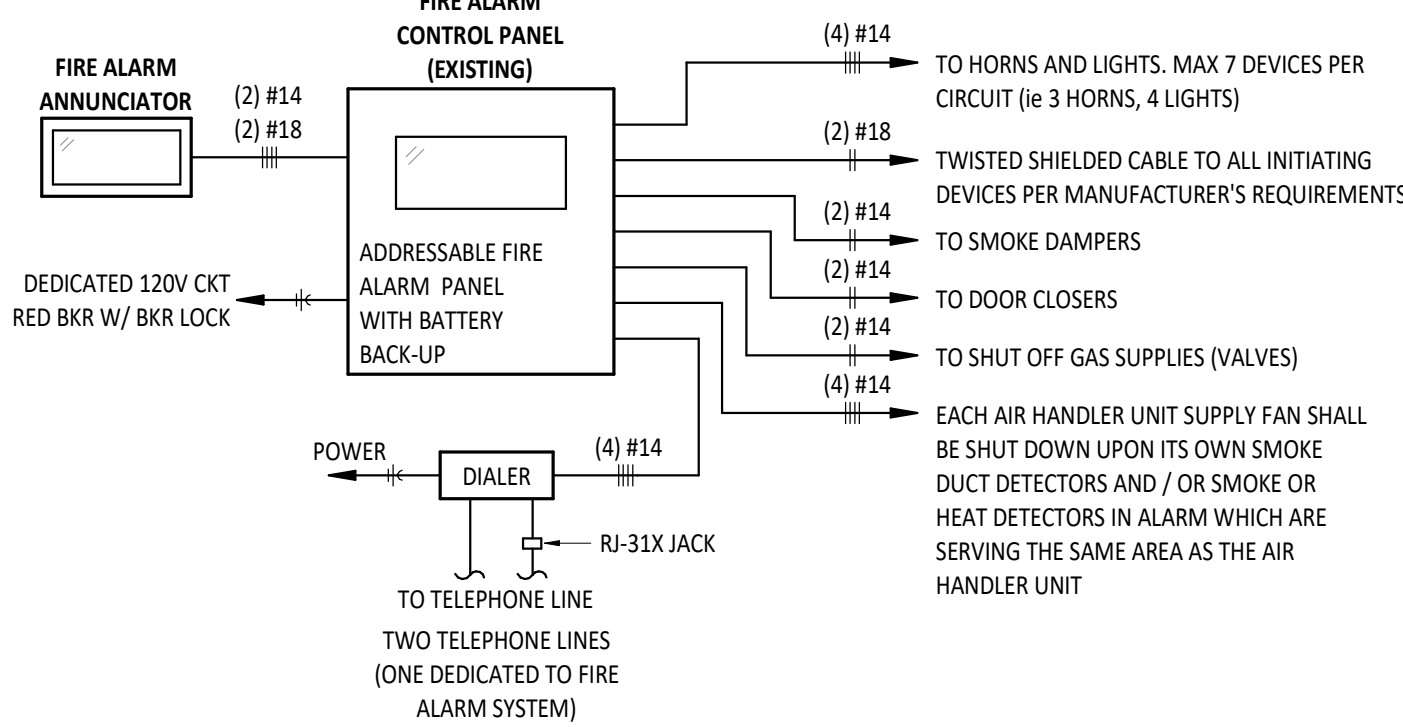
2 NEW ELECTRICAL ONE-LINE DIAGRAM
E2.1 NTS

MOUNTING: SURFACE FED FROM: MGP#2 ENCLOSURE: NEMA 1 LOCATION: WORKROOM B13					PANEL 1S2							AIC RATING: 10,000 VOLTAGE: 120/208V 1PH 3W MAINS RATING: 100 A MAINS TYPE: MLO OTHER: N/A				
PANEL NOTES: NEW LOAD CENTER TO REPLACE EXISTING LOAD CENTER. ALL BRANCH CIRCUITS ARE EXISTING UNLESS NOTED OTHERWISE. MODIFY...																
N O T E	CIRCUIT DESCRIPTION	P O L E S	A M P	C K T	A	B	C K T	A M P	CIRCUIT DESCRIPTION	N O T E						
2	EX. CKT.	1	20	1	250 / 250		2	20	1	EX. CKT.	2					
2	EX. CKT.	1	20	3		250 / 250	4	20	1	EX. CKT.	2					
2	EX. CKT.	1	20	5	250 / 250		6	20	1	EX. CKT.	2					
2	EX. CKT.	1	20	7		250 / 250	8	20	1	EX. CKT.	2					
2	EX. CKT.	1	20	9	250 / 250		10	20	1	EX. CKT.	2					
2	EX. CKT.	2	20	11		1500 / 250	12	20	1	EX. CKT.	2					
				13	1500 / 250		14	20	1	EX. CKT.	2					
2	EX. CKT.	1	20	15		250 / 250	16	20	1	EX. CKT.	2					
2	EX. CKT.	1	20	17	250 / 250		18	20	1	EX. CKT.	2					
2	EX. CKT.	1	20	19		250 / 250	20	20	1	EX. CKT.	2					
1	ELEVATOR CAB LIGHTS	1	20	21	100 / 180		22	20	1	RECEPTACLE - ELEV. MACH. ROOM	1					
1	LIGHTING - ELEV. MACH. ROOM	1	20	23		51 / 180	24	20	1	RECEPTACLE - ELEV. PIT	1					
	VENTILATION FAN UNIT	1	20	25	300 / 0	51 / 180	26	20	1	RECEPTACLE - ELEV. PIT SUMP PUMP	1					
1	EXHAUST FAN EF	1	20	27		300 / 0	28	--	1	SPACE ONLY						
	SPACE ONLY			29		0 / 0	30	--	1	SPACE ONLY						
VA SUBTOTALS:					4259 VA	41 A	4279 VA	41 A								
AMP SUBTOTALS:					41 A											
LOAD TYPE:	CONNECTED VA	DEMAND FACTOR	DEMAND VA	DEMAND AMPS	SUBTOTAL	PHASE	CIRCUIT NOTES:									
LIGHTING	200 VA	125.0%	251 VA	1 A	4259 VA	A	1 - PROVIDE NEW CIRCUIT BREAKER.									
MOTORS	300 VA	125.0%	375 VA	2 A	4279 VA	B	2 - BRANCH BREAKERS SALVAGED FROM DEMOLITION MAY BE RE-USED IF POSSIBLE.									
Power	7500 VA	70.0%	5250 VA	25 A	0 VA	C	OTHERWISE, PROVIDE NEW AS NECESSARY.									
RECEPTACLE	540 VA	100.0%	540 VA	3 A												
MISC EQUIPMENT	0 VA	0.0%	0 VA	0 A												
						8538 VA	CONNECTED									
						6413 VA	DEMAND									
						41 A	CONNECTED									
						31 A	DEMAND									

#	KEYNOTE DESCRIPTION
1	REMOVE EXISTING SQUARE D LOAD CENTER. EXISTING FEED AND BRANCH CIRCUITS TO REMAIN. EXISTING BRANCH BREAKERS MAY BE SALVAGED FOR RE-INSTALLATION.
2	EXISTING CONDUCTORS TO BE REMOVED. EXISTING UNDER SLAB CONDUIT TO REMAIN. CUT CONDUIT 12" AFF IN THE ELEVATOR MACHINE ROOM AND CAP CONDUIT.
3	REMOVE EXISTING 100 AMP DISCONNECT SWITCH.
4	REMOVE EXISTING CONDUIT AND CONDUCTORS.
5	RE-LABEL EXISTING 100 AMP SWITCH FEEDING ELEVATOR AS 'SPARE'.
6	PROVIDE 200A, 250V, 3-PHASE, HEAVY DUTY, FUSIBLE DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. PROVIDE SIX (6) 175A, 250V, TIME DELAY FUSES (3-'SPARE'). COORDINATE FUSE SIZE PER ELEVATOR MANUFACTURER RECOMMENDATIONS.
7	PROVIDE NEW/RECONDITIONED SQUARE D HOMR-3220 FUSIBLE SWITCH AND NECESSARY MOUNTING HARDWARE. PROVIDE SIX (6) 200A, 250V, TIME DELAY FUSES (3-'SPARES'). PROVIDE NEW FILLER PLATE AS NECESSARY.
8	PROVIDE 3-#4/0 AWG CU, 1-#4 AWG CU GND, IN 2" CONDUIT.
9	PROVIDE 3-#3/0 AWG CU, 1-#6 AWG CU GND, IN 2" CONDUIT.
10	PROVIDE NEW 30 SPACE LOAD CENTER IN EXISTING '1S2' LOCATION. RE-CONNECT EXISTING FEED AND BRANCH CIRCUITS. MODIFY AND EXTEND EXISTING FEED AND BRANCH CIRCUITS AS NECESSARY TO CONNECT TO NEW LOAD CENTER.
11	ELEVATOR EQUIPMENT REMOVED BY OTHERS.



HURON COUNTY ADMINISTRATION BUILDING ELEVATOR MODERNIZATION



3 FIRE ALARM RISER DIAGRAM
E2.1 NTS

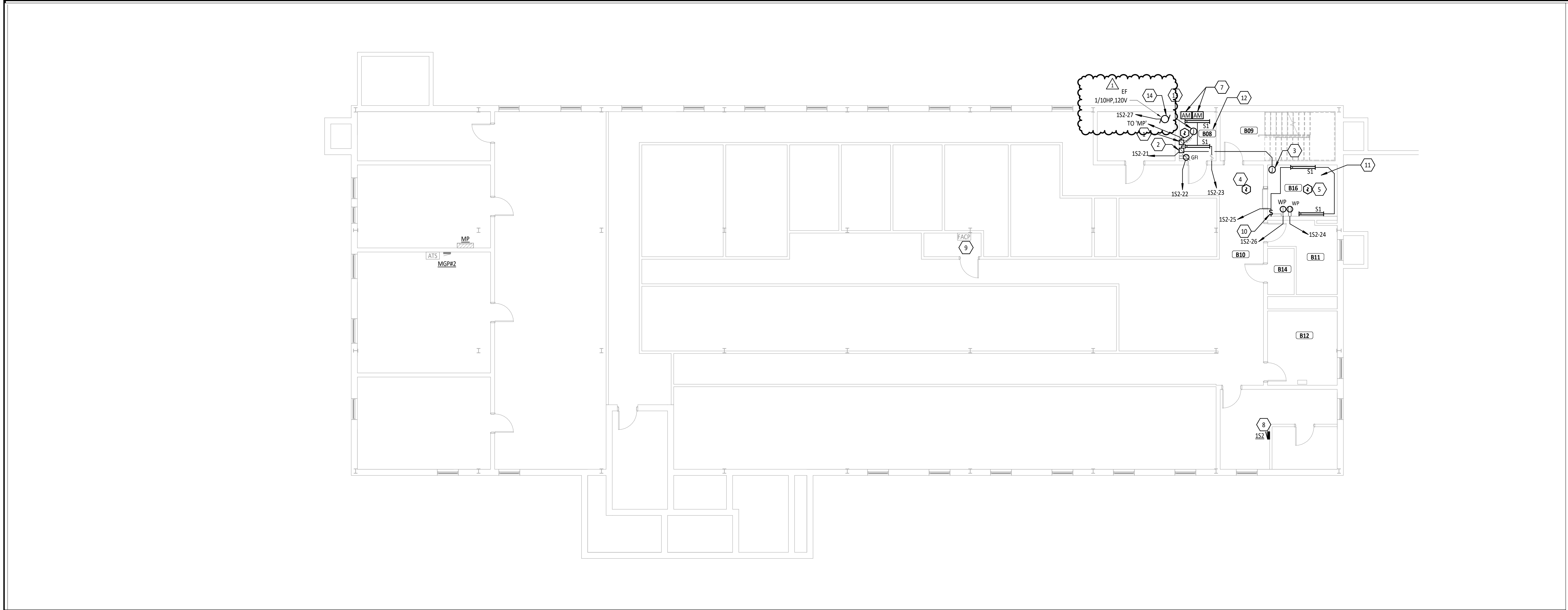
LUMINAIRE SCHEDULE											
MARK	MOUNTING	LAMPS				BALLAST/DRIVER	FIXTURE VOLTAGE	INPUT WATTS	FIXTURE DESCRIPTION	COMMENTS	BASIS OF DESIGN & APPROVED MANUFACTURERS
		TYPE	MIN. LUMENS	CCT	CRI						
ED									EXISTING LUMINAIRE TO BE DEMOLISHED		
S1	SURFACE/CHAIN	LED	4,000 lm	4000K	80 CRI	0-10V DIMMING DOWN TO 10%	UNV	24 W	LOW PROFILE ENCLOSED AND GASKETED INDUSTRIAL LED STRIP LIGHT		LITHONIA FEM L48 4L MVOLT OR EQUAL

ISSUANCES/REVISIONS	
BID DOCUMENTS	04/10/2022
1 ADDENDUM 02	05/25/2023

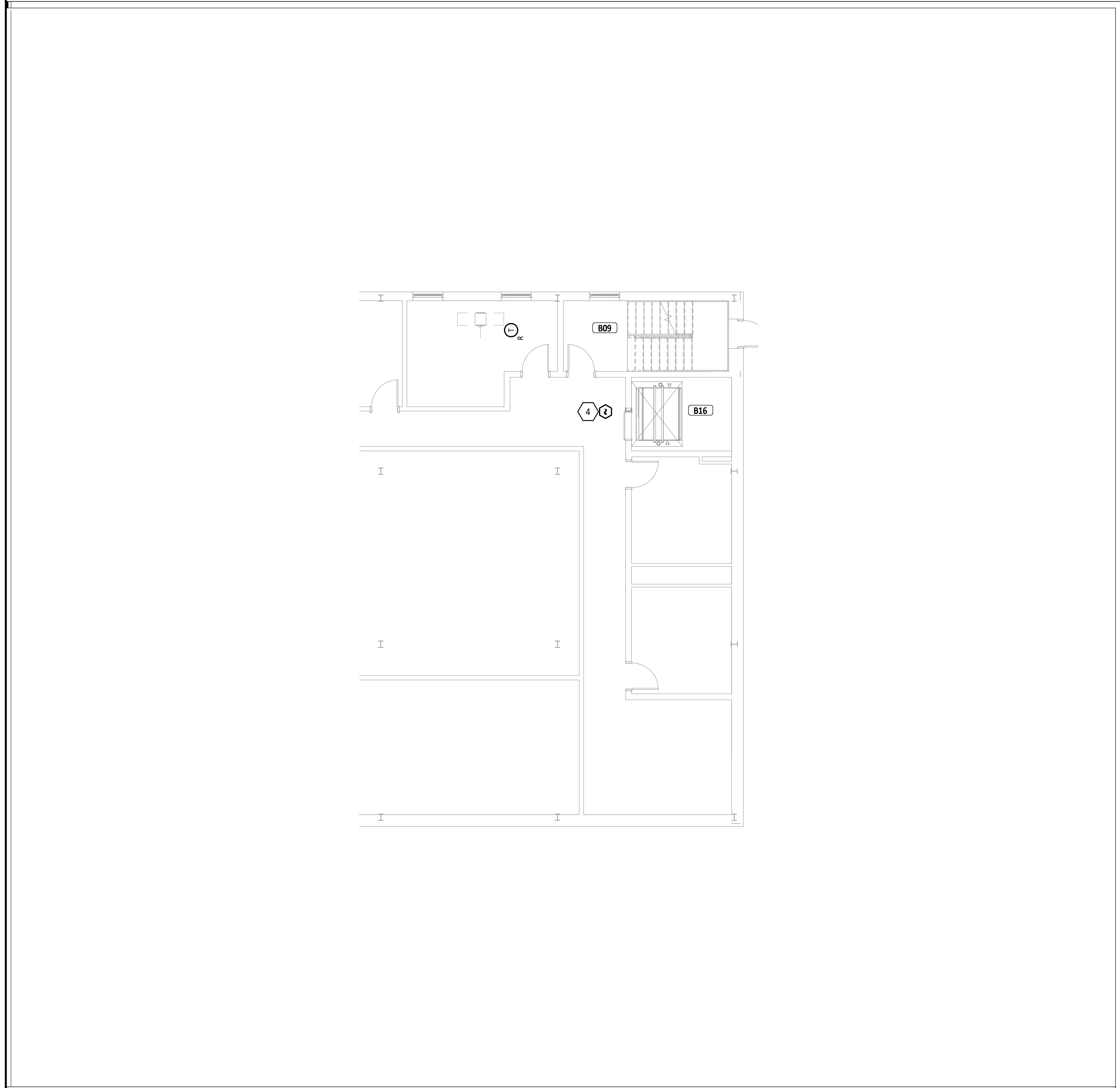
PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
22113.00	SM	KCR

SHEET TITLE:
**ELECTRICAL
DETAILS,
LUMINAIRE
SCHEDULE AND
PANEL SCHEDULE**

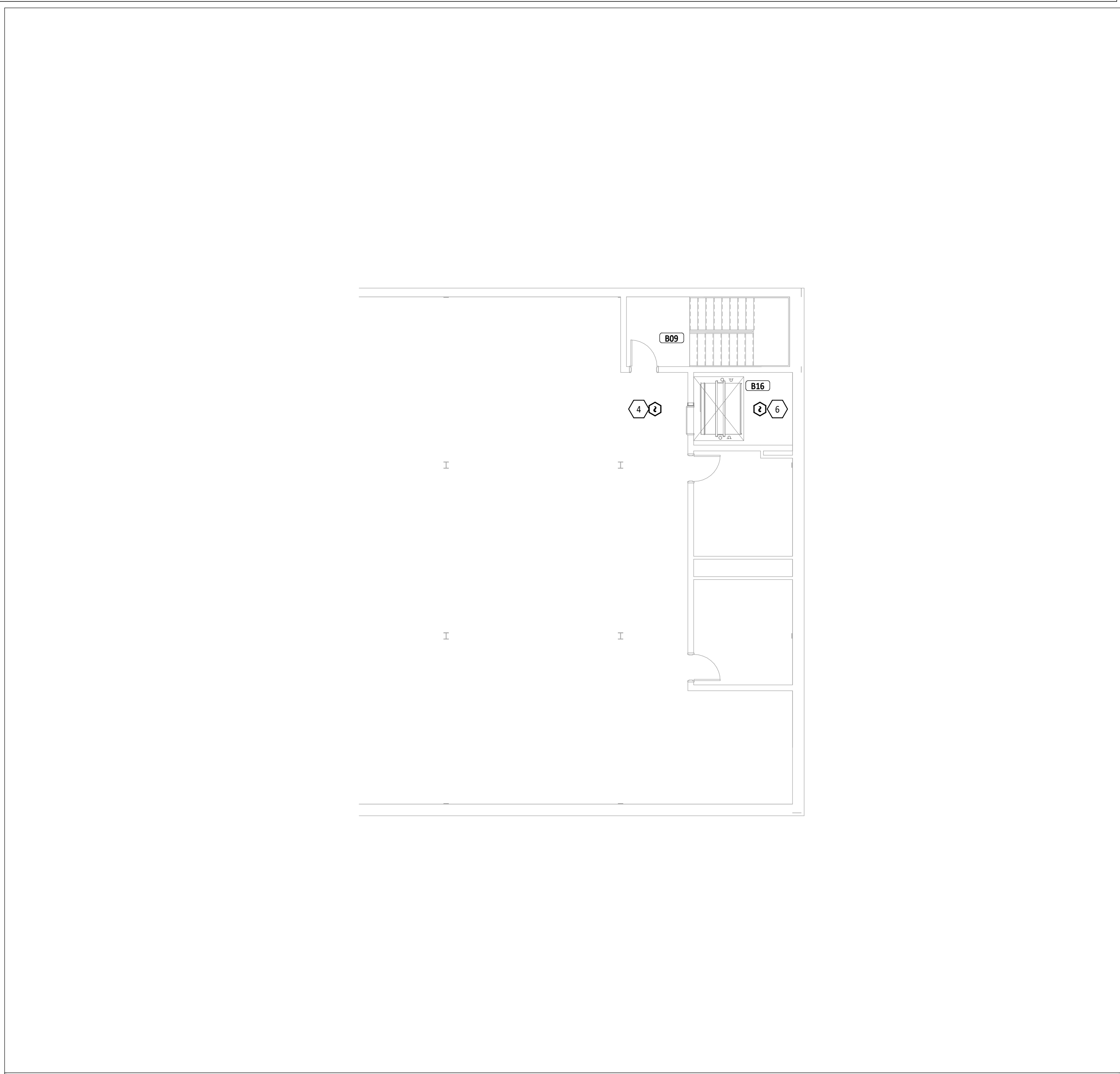
SHEET NUMBER:
E2.1



1
E3.1
BASEMENT ELECTRICAL PLAN
1/8" = 1'-0"



2
E3.1
FIRST FLOOR ELECTRICAL PLAN
1/8" = 1'-0"



3
E3.1
SECOND FLOOR ELECTRICAL PLAN
1/8" = 1'-0"

FIRST FLOOR PLAN ROOM INDEX		
ROOM NUMBER	ROOM NAME	AREA
B08	ELEVATOR MACHINE ROOM	48 SF
B09	STAIR	150 SF
B10	CORRIDOR	2,143 SF
B11	RESTROOM	97 SF
B12	RESTROOM	136 SF
B13	WORKROOM	167 SF
B14	CLOSET	33 SF
B15	EXAM	72 SF
B16	ELEVATOR	94 SF

- POWER GENERAL NOTES**
- ALL CONDUCTORS FOR EQUIPMENT CONNECTIONS SHALL BE COPPER UNLESS NOTED OTHERWISE AND APPROVED BY THE MANUFACTURER.
 - COORDINATE WITH ALL OTHER TRADES TO MAINTAIN ALL REQUIRED CLEARANCES ABOUT ELECTRICAL EQUIPMENT WITH ACCORDANCE TO THE NATIONAL ELECTRICAL CODE.
 - REFER TO MECHANICAL, PLUMBING, AND OTHER APPLICABLE DRAWINGS FOR EXACT EQUIPMENT LOCATIONS.
 - MAINTAIN ALL FIRE RATINGS WHERE CONDUIT PENETRATES WALL, CEILINGS, AND FLOORS WITH ONLY U.L. LISTED FIRE ASSEMBLIES.
 - ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX, UNO.

- SYSTEMS GENERAL NOTES**
- ALL LOW VOLTAGE CABLING FOR THE SCOPE OF WORK BY DIVISION 26 AND 28 IN EXPOSED CEILING SPACES SHALL BE ROUTED INSIDE CONDUIT. COORDINATE WITH INSTALLER OF EACH SYSTEM PRIOR TO ROUGH-IN.
 - ALL CONDUIT ENDS FOR CABLING NOT CONNECTED TO A BOX OR FITTING SHALL BE PROVIDED WITH NYLON BUSHINGS TO PROTECT CABLING FROM DAMAGE.
 - ALL MOUNTING HEIGHTS REFER TO BOTTOM OF BOX, UNO.

#	KEYNOTE DESCRIPTION
1	PROVIDE 200A, 250V, 3-PHASE, HEAVY DUTY, FUSIBLE DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. PROVIDE SIX (6) 175A, 250V, TIME DELAY FUSES (3-"SPARE"), COORDINATE FUSE SIZE PER ELEVATOR MANUFACTURER RECOMMENDATIONS.
2	PROVIDE 30A, 250V, 1-PHASE, HEAVY DUTY, FUSIBLE DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. PROVIDE TWO (2) 15 AMP TIME-DELAY FUSES (1-"SPARE") FOR ELEVATOR CAB LIGHTS.
3	PROVIDE NECESSARY CONNECTIONS TO ELEVATOR CAB LIGHTS. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.
4	PROVIDE SMOKE DETECTOR FOR ELEVATOR RECALL.
5	PROVIDE SMOKE DETECTOR IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.
6	PROVIDE SMOKE DETECTOR IN TOP OF ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.
7	PROVIDE FIRE ALARM ADDRESSIBLE MODULES AS REQUIRED FOR ELEVATOR RECALLS. COORDINATE WORK WITH ELEVATOR INSTALLER.
8	PROVIDE NEW 30 SPACE LOAD CENTER IN EXISTING '152' LOCATION. RE-CONNECT EXISTING FEED AND BRANCH CIRCUITS. MODIFY AND EXTEND EXISTING FEED AND BRANCH CIRCUITS AS NECESSARY TO CONNECT TO NEW LOAD CENTER.
9	EXISTING FIRE ALARM CONTROL PANEL. EXISTING PANEL BRAND NAME IS BOSCH. FIRE ALARM SERVICE COMPANY CONTACT INFORMATION: RJ BECK PROTECTION SYSTEMS (419-668-3056). PROVIDE CONNECTIONS AND PROGRAMMING FOR NEW FIRE ALARM DEVICES SHOWN ON THIS SHEET.
10	MOUNT PIT LIGHTING SWITCH NEAR ACCESS LADDER. COORDINATE EXACT LOCATION WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.
11	COORDINATE MOUNTING LOCATIONS IN ELEVATOR PIT WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION OF FIRE ALARM DEVICES, RECEPTACLES, LUMINAIRES, ETC.
12	MODIFY AND EXTEND AS NECESSARY EXISTING PHONE LINE(S) TO RE-CONNECT TO ELEVATOR EQUIPMENT.
13	40HP, 208V, 3-PHASE, ELEVATOR EQUIPMENT PROVIDED BY OTHERS. COORDINATE ALL WORK WITH ELEVATOR INSTALLER.
14	PROVIDE NECESSARY CONNECTIONS TO IN-LINE EXHAUST FAN 'EF' WITH INTEGRAL DISCONNECT SWITCH. MECHANICAL CONTRACTOR SHALL FURNISH COOLING THERMOSTAT, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. COORDINATE LOCATION OF THERMOSTAT IN ELEVATOR MACHINE ROOM B08 WITH MECHANICAL CONTRACTOR. REFER TO MECHANICAL DRAWING FOR ADDITIONAL INFORMATION.

AREA OF WORK

KEY PLAN

ISSUANCES/REVISIONS		
NO DOCUMENTS		06/03/2023
1	ADDENDUM 02	05/25/2023

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
22113.00	SH	KCR

SHEET TITLE:
ELECTRICAL PLAN

SHEET NUMBER:
E3.1

STATE OF OHIO
PROFESSIONAL ENGINEER
CHRISTOPHER MONNIN
LICENSE #E-67075
EXPIRATION DATE: 12/31/2023

GARMANN MILLER
MINSTER, OHIO | COLUMBUS, OHIO | INDIANAPOLIS, INDIANA
cres@gmm.com

NEW BUILDING FOR
**HURON COUNTY ADMINISTRATION BUILDING
ELEVATOR MODERNIZATION**
180 Main Avenue, Norwalk, Ohio 44857

ISSUANCES/REVISIONS		
NO DOCUMENTS		06/03/2023
1	ADDENDUM 02	05/25/2023

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
22113.00	SH	KCR

SHEET TITLE:
ELECTRICAL PLAN

SHEET NUMBER:
E3.1

SPECIAL INSPECTION NOTES

- 1 - The OWNER shall employ one or more special inspectors to provide inspections during construction on the types of work itemized below.
- 2 - Only the required STRUCTURAL Special Inspections have been listed on this sheet . Please refer to architectural drawings and/or specifications for required non-structural Special Inspections, if applicable. (i.e. Fire Resistant Materials and Coatings, EIFS, Smoke Control Systems)
- 4 - The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection.
- 6 - Numbered and lowercase sublettered inspections indicate referenced OBC requirements
- 7 - Some numbered or lettered special inspection items may not be listed. These items are not required on this project.
- 8 - Additional information regarding inspections and tests may be found in the project specifications, on the drawings, and in the building code and referenced standards. The contractor and special inspector shall review all documents to determine the special inspections and testing necessary for this project.
- 9 - The Special Inspections table and other contract documents indicate the special inspections anticipated at the time the documents were approved by the Building Official. Changes in scope, materials, or unanticipated existing conditions may require additional inspections.
- 10 - Special inspection and site observation personnel are not responsible for job site safety or means and methods of construction unless noted specifically in the contract.

REQUIRED STRUCTURAL SPECIAL INSPECTIONS

LEVEL 1 Masonry Construction - OBC Table	Continuous	Periodic	Referenced Standard	Additional OBC Requirements	Remarks	Exceptions
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 1.5			Special inspections and tests shall not be required for: 1. Empirically designed masonry, glass unit masonry or masonry veneer designed in accordance with Section 2109, 2110, or Chapter 14, respectively, where they are part of a structure classified ar Risk Category I, II, or III. 2. Masonry foundation walls constructed in accordance with Table 1807.1.6.3(1), 1807.1.6.3(2), 1807.1.6.3(3), or 1807.1.6.3(4). 3. Masonry fireplaces, masonry heaters or masonry chimneys installed or constructed in accordance with Section 2111, 2112, or 2113, respectively.
4. As masonry construction begins, the following shall be verified to ensure compliance:						
a. Proportions of site-prepared mortar.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 2.1, 2.6A		Visual inspection of preparation to confirm proportions	
b. Construction of mortar joints.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3B		Visual inspection to confirm placement of CMU	
d. Location of reinforcement, connectors, and anchorages.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.4, 3.6A		Confirm size, spacing, and location of reinforcing, connectors, and anchorages INCLUDING mechanical splice connectors	
5. During construction the inspection program shall verify:						
a. Size and location of structural elements.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3F		Visual inspection to confirm size and location conforms to contract drawings.	
b. Type, size and location of anchors,including other details of anchorage of masonry to structural members,frames, or other construction.	—	X	TMS 402/ACI 530/ASCE 5: Sec. 1.2.1(e), 6.1.4.3, 6.2.1		Confirm size, type, and location of anchors conforms to contract drawings.	
f. Placement of grout and prestressing grout for bonded tendons is in compliance	X	—	TMS 602/ACI 530.1/ASCE 6: Art. 3.5, 3.6C		Confirm grout placement per construction documents	
6. Prior to grouting, the following shall be verified to ensure compliance						
a. Grout space is clean	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.2D, 3.2F		Visually confirm	
c. Placement of reinforcement, connectors, and anchorages.	—	X	TMS 402/ACI 530/ASCE 5: Sec. 6.1, 6.2.1, 6.2.6, 6.2.7 TMS 602/ACI 530.1/ASCE 6: Art. 3.2E, 3.4, 3.6A		Confirm size, spacing, and placement of reinforcing	
d. Proportions of site-prepared grout.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 2.6B, 2.4 G.1.b		Visual inspection of preparation to confirm proportions	
e. Construction of mortar joints.	—	X	TMS 602/ACI 530.1/ASCE 6: Art. 3.3B		Visual inspection to confirm placement of CMU	
Metal Deck						
Steel roof deck shall be in accordance with the quality assurance inspection requirements of SDI QA/QC						
1.) Deck profile, gauge and fasteners shall be inspected.						