

**DESIGN & CONSTRUCTION GROUP  
THE GOVERNOR NELSON A. ROCKEFELLER  
EMPIRE STATE PLAZA  
ALBANY, NY 12242**

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**ADDENDUM NO. 1 TO PROJECT NO. 47208**

**HVAC AND ELECTRICAL WORK  
REPLACE HEATING SYSTEM OFFICE AND GARAGE  
DOT REGION 8, DUTCHESS COUNTY  
HOLLOW ROAD AND TACONIC PARKWAY  
CLINTON CORNERS, NY**

May 9, 2023

**NOTE:** This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

**ELECTRICAL WORK SPECIFICATIONS**

1. SECTION 283149 CARBON MONOXIDE DETECTORS: Add the accompanying Section (pages 283149 – 1 thru 283149 – 3) to the Project Manual.

**HVAC DRAWINGS**

2. Revised Drawings:
  - a. Drawing Nos. G-002, A-101, A-501 and M-102, noted “REVISED DRAWING 05/08/2023”, accompany this Addendum and supersede the same numbered originally issued drawings.
3. Addendum Drawings:
  - a. Drawing No. A-503 noted “ADDENDUM DRAWING 05/08/2023”, accompanies this Addendum and forms part of the Contract Documents.

**ELECTRICAL DRAWINGS**

4. Revised Drawings:
  - a. Drawing No. E-101, noted “REVISED DRAWING 05/08/2023”, accompanies this Addendum and supersedes the same numbered originally issued drawing.

**END OF ADDENDUM**

Brady M. Sherlock, P.E.  
Director, Division of Design  
Design & Construction

## SECTION 283149

### CARBON MONOXIDE DETECTORS

#### PART 1 GENERAL

##### 1.01 REFERENCES

- A. Underwriters Laboratories Inc.
- B. National Fire Protection Association (NFPA) Standard 72.
- C. NFPA 720 – Standards for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment.
- D. Underwriters Laboratory (UL) 3111-1 Standard.

##### 1.02 DEFINITIONS

- A. Operating Mode:
  - 1. Public Mode: Audible and visible signaling to occupants or inhabitants of the area protected by the carbon monoxide detectors.

##### 1.03 DESCRIPTION OF COMPLETED SYSTEM

- A. The system in this maintenance garage consists of the following:
  - 1. Stand-alone carbon monoxide detector with built-in audible alarm.
  - 2. Branch 120 VAC circuit hardwired to detector.

##### 1.04 SUBMITTALS

- A. Waiver of Submittals: The “Waiver of Certain Submittal Requirements” in Section 013300 does not apply to this Section.
- B. Submittals Package: Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package.
  - 1. Company Field Advisor Letter: With the submittals package include a letter from the Company Field Advisor stating that he/she has reviewed the Submittals Package for accuracy and completeness and approves all materials and installation methods included in the Submittals Package.
- C. Product Data:
  - 1. Catalog sheets, specifications and installation instructions.
  - 2. Bill of materials.
  - 3. Detailed description of completed system operation. Format similar to DESCRIPTION OF COMPLETED SYSTEM.

- D. Contract Closeout Submittals:
  - 1. Certificates:
    - a. Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
    - b. NFPA Record of Completion (NFPA 72 Figure 1-6.2.1) for the modifications.
  - 2. Operation and Maintenance Data:
    - a. Deliver 2 copies, covering the installed products, to the Director's Representative. Include:
      - 1) Operation and maintenance data for each product.

## 1.05 QUALITY ASSURANCE

- A. UL Listing: The system products for the modifications shall be listed in the UL Fire Protection Equipment Directory under product category "Control Units System (UOJZ)".

## PART 2 PRODUCTS

### 2.01 INITIATING & NOTIFICATION DEVICES

- A. Carbon Monoxide Detector (Stand-Alone):
  - 1. Manufacturer's: Kidde's #KD00121, Johnson Controls #KCOP-A-S, BRK's #CO5120BN, or Simplex's Carbon Monoxide Detector.
  - 2. Voltage: 120 VAC.
  - 3. Standard Range: 0-100 parts per million (PPM)
  - 4. Sealed cover to reduce nuisance alarms. Sealed to protect sensor from contaminants.
  - 5. Tamper resistant locking feature
  - 6. Battery backup to maintain functionality of unit in times of power loss.
  - 7. ETL listed unit that conforms completely to UL 3111-1 standard.
  - 8. Liquid Crystal Display (LCD) that continually displays the current carbon monoxide (CO) level in parts per million (PPM). Displays level with updates every 15 seconds.
  - 9. Detector shall contain an electro-chemical sensor with temperature compensation circuits.
  - 10. Detector shall be protected against static discharge, excessive electrical noise and tested for safety in accordance with UL 3111-1 standard.
  - 11. Detector shall contain power supply fuse rated for 0.125 amp at 250 VAC (powered at 120 VAC). Fuses shall be time-lag type.
  - 12. Provide 4-20 ma signal in direct relationship to the carbon monoxide (CO) gas concentration.
  - 13. External push button on front of enclosure shall be provided to silence the 106 dB internal alarm.

## **PART 3 EXECUTION**

### **3.01 INSTALLATION**

- A. Install the carbon monoxide detector on the bottom of the ceiling joists at a minimum of 12 inches away from any wall or heating device.
- B. Install branch 120 VAC circuit to carbon monoxide detectors wiring all detectors to the same circuit. All wiring to be installed in compliance with NFPA 70, applicable state and local codes and the Authority Having Jurisdiction (AHJ).
- C. Do not install carbon monoxide devices until the Work (including cleaning) of all trades in the area has been completed. Protect installed carbon monoxide detecting devices from airborne dust and debris.
- D. Mount carbon monoxide detecting devices, and seal air holes in the back of the devices (including interior of raceways and holes associated with installation of boxes and raceways) so that air flow from inside of housing or from the periphery of the housing will not prevent entry of combustion gas during an alarm or test condition. Seal air holes with gaskets, expanding silicone foam, or other sealants as approved.

### **3.02 FIELD QUALITY CONTROL**

- A. Preliminary System Test:
  - 1. Run a preliminary test for the purpose of:
    - a. Determining whether the carbon monoxide detectors are working properly per manufacturer's requirements.
    - b. Checking and adjusting equipment.
- B. System Acceptance Test:
  - 1. Preparation: Notify the Director's Representative at least 3 working days prior to the test so arrangements can be made to have a Facility Representative witness the test.
  - 2. Supply all equipment necessary for system adjustment and testing.
  - 3. Make the following tests:
    - a. Test each device in accordance with NFPA 72, Chapter 7.
  - 4. Submit written report of test results signed by the Director's Representative. Also complete an NFPA Record of Completion.
    - a. Mount a copy of the written report of test results, and the NFPA 72 Record of Completion in plexiglass enclosed frame assemblies inside the front office on the wall.
- C. Conduct tests that are disruptive to facility personnel after normal working hours as directed.

**END OF SECTION**

APPLICABLE CODES	
BUILDING CODE:	
<ul style="list-style-type: none"> <li>2020 EXISTING BUILDING CODE OF NEW YORK STATE (EBCNYS)</li> <li>2020 BUILDING CODE OF NEW YORK STATE (BCNYS)</li> </ul>	
FIRE CODE:	
<ul style="list-style-type: none"> <li>2020 FIRE CODE OF NEW YORK STATE (FCNYS)</li> <li>2016 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE</li> </ul>	
PLUMBING CODE:	
<ul style="list-style-type: none"> <li>2020 PLUMBING CODE OF NEW YORK STATE (PCNYS)</li> </ul>	
MECHANICAL CODE:	
<ul style="list-style-type: none"> <li>2020 MECHANICAL CODE OF NEW YORK STATE (MCNYS)</li> <li>2020 FUEL GAS CODE OF NEW YORK STATE (FGCNYS)</li> <li>2020 BCNYS CHAPTER 28</li> </ul>	
ELECTRICAL CODE:	
<ul style="list-style-type: none"> <li>2017 NFPA 70</li> <li>2020 BCNYS CHAPTER 27</li> </ul>	
ACCESSIBILITY CODE:	
<ul style="list-style-type: none"> <li>2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES</li> <li>2020 BCNYS CHAPTER 11</li> </ul>	
ENERGY CODE:	
<ul style="list-style-type: none"> <li>2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCNYS)</li> </ul>	

BUILDING INFORMATION	
FUNCTION:	ADMINISTRATION OFFICES AND VEHICLE MAINTENANCE GARAGE
USE GROUPS:	BUSINESS (B) AND STORAGE (S-1)
CONSTRUCTION TYPE:	V-B

EXISTING BUILDING CODE	
COMPLIANCE METHOD:	WORK AREA
CLASSIFICATION:	ALTERATION - LEVEL 2

ALL ITEMS BELOW INDICATED WITH N/A ARE NOT REQUIRED TO BE MODIFIED OR UPGRADED TO MEET NYSCB CRITERIA PER THE WORK AREA COMPLIANCE METHOD, 2020 NYSCB (CHAPTERS 7 AND 8), AND 2020 NYS UNIFORM CODE SUPPLEMENT.

GROSS BUILDING AREA	
ADMIN AREA	485 SF
GARAGE (WEST WING)	3,723 SF
GARAGE (SOUTH WING)	3,423 SF
TOTAL	7,631 SF

FLAME SPREAD REQUIREMENTS (WORK AREA ONLY)					
MOST RESTRICTIVE OCCUPANCY	B		S-1		
	REQ'D	ACTUAL	REQ'D	ACTUAL	
CORRIDORS	CLASS B	N/A	CLASS C	N/A	
ROOMS AND ENCLOSED SPACE	CLASS C	CLASS A	CLASS C	N/A	
FLOOR FINISH IN ALL AREAS (804.4.2)	CLASS II	N/A	CLASS II	N/A	

EGRESS DISTANCES FOR B USE GROUP			
EXIT ACCESS TRAVEL DISTANCE - MAXIMUM	38'	DISTANCE	CODE REFERENCE
COMMON PATH OF TRAVEL - MAX (MAX OCC LOAD: 5)	38'		1006.2.1
DEAD END CORRIDOR - MAXIMUM	9'		1020.4

EGRESS DISTANCES FOR S-1 USE GROUP			
EXIT ACCESS TRAVEL DISTANCE - MAXIMUM	77'	DISTANCE	CODE REFERENCE
COMMON PATH OF TRAVEL - MAX (MAX OCC LOAD: 13)	59'		1006.2.1
DEAD END CORRIDOR - MAXIMUM	N/A		1020.4

EGRESS REQUIREMENTS		
MINIMUM CORRIDOR WIDTH 36"	ACTUAL WIDTH	CODE REFERENCE
	5'-0"	1020.2

MINIMUM NUMBER OF EXITS PER FLOOR (1006.3.2)		
LEVEL 1	OCCUPANT LOAD	ACTUAL No. OF EXITS
	31	6

OCCUPANT LOAD		
B	BUSINESS	6
S-1	MAINTENANCE GARAGE	25
TOTAL		31

WORK AREAS	
WORK AREAS PER DRAWING 2/G-002	TOTAL AREA
	120 SF

ELECTRICAL	
EMERGENCY AND STANDBY POWER	N/A
EXIT SIGNS	EXISTING TO BE MAINTAINED
MEANS OF EGRESS ILLUMINATION	EXISTING TO BE MAINTAINED

MECHANICAL			
COMBUSTION AIR	VC701 & FGC304.1	BOILERS: DIRECT COMBUSTION AIR AND VENT PER MANUFACTURER	BOILERS: (2) 4"Ø COMMON COMBUSTION AIR DUCT FOR (2) 399 MBH BOILERS
CHIMNEY, FLUTES AND GAS VENTS	MC801.2 & BC211.3.1	BOILERS: DIRECT COMBUSTION AIR AND VENT PER MANUFACTURER	BOILERS: (2) 4"Ø COMMON FOR (2) 399 MBH BOILERS

PLUMBING	
FIXTURE COUNT	NO UPGRADES REQUIRED, OCCUPANCY HAS NOT INCREASED MORE THAN 20%
AVAILABLE STREET PRESSURE	N/A

**CODE COMPLIANCE STATEMENT**  
TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THE PLANS AND SPECIFICATIONS BEARING THE REGISTER DESIGN PROFESSIONAL'S SEAL AND SIGNATURE FOR THE PROJECT COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE CODES AND REFERENCED STANDARDS.

**ENERGY CODE COMPLIANCE WRITTEN STATEMENT (2020 ECCNYS SECTION C105.2.2)**  
TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THE PLANS AND SPECIFICATIONS BEARING THE REGISTER DESIGN PROFESSIONAL'S SEAL AND SIGNATURE FOR THE PROJECT COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE (2020 ENERGY CODE)

COMPLY WITH THE FOLLOWING REQUIREMENTS DURING CONSTRUCTION INCLUDING BUT NOT LIMITED TO THE FOLLOWING:  

- OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
- 2020 BUILDING CODE OF NEW YORK STATE, CHAPTER 33, SAFEGUARDS DURING CONSTRUCTION
- 2020 EXISTING BUILDING CODE, CHAPTER 15, CONSTRUCTION SAFEGUARDS
- 2020 FIRE CODE OF NEW YORK STATE, CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

REFER TO SPECIFICATION SECTION 014100 REGULATORY REQUIREMENTS FOR ADDITIONAL INFORMATION. DEMONSTRATE COMPLIANCE WITH REGULATORY REQUIREMENTS IN THE SITE SPECIFIC SAFETY PLAN REQUIRED PER SPECIFICATION SECTION 011100.

NOTES:  

- NO CHANGE PROPOSED TO EXISTING OCCUPANCY AREA OR SEPARATIONS.
- NO CHANGE PROPOSED TO EXISTING BUILDING AREA OR HEIGHT.

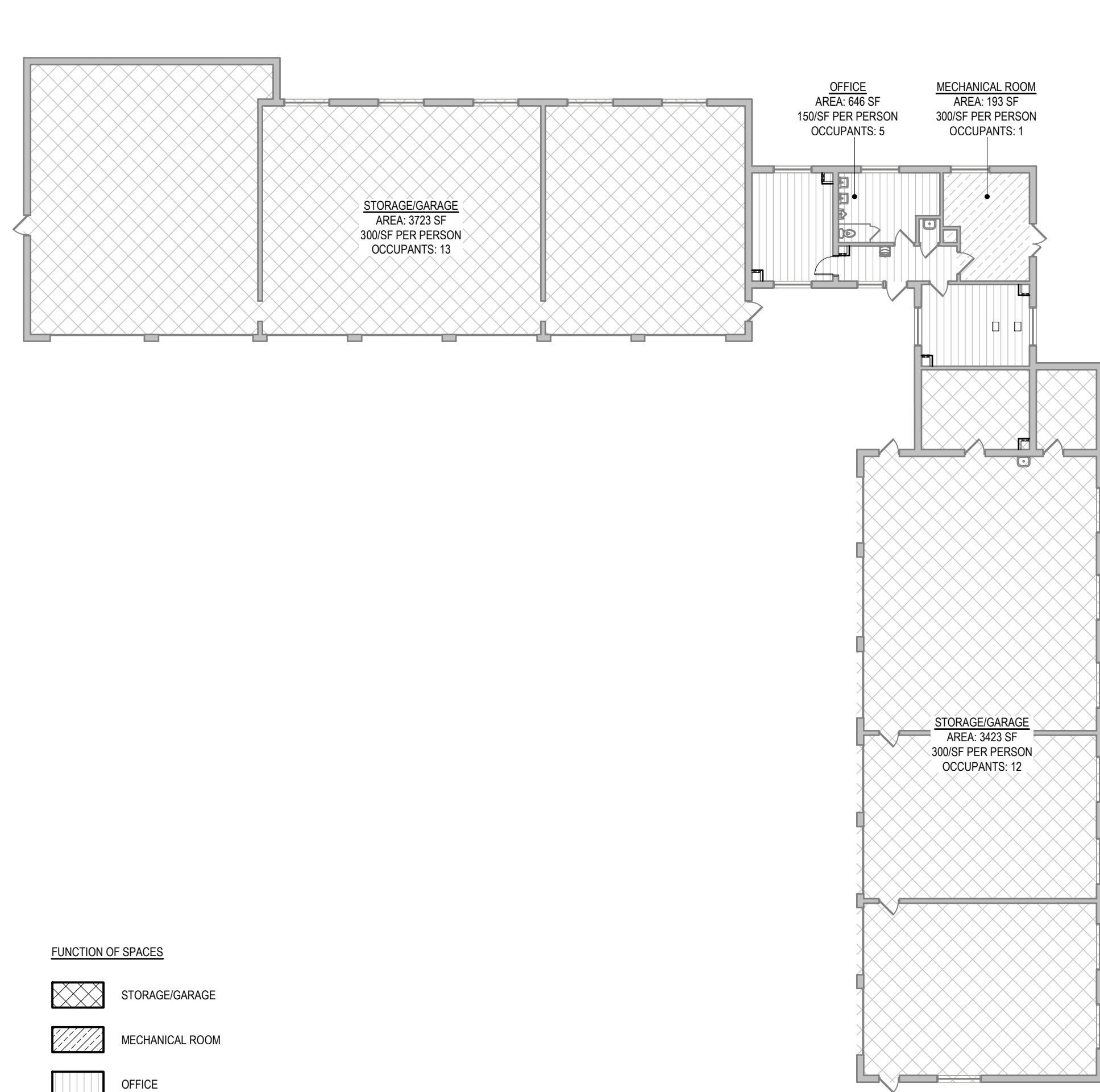
**CONSTRUCTION SAFEGUARDS**

- SCOPE: THE SAFETY OF THE CONSTRUCTION AREA AND ADJACENT PUBLIC AND PRIVATE PROPERTIES SAFETY SHALL BE PROTECTED DURING CONSTRUCTION AND REMOVALS AS FOLLOWS, IN ACCORDANCE WITH THE 2020 EXISTING BUILDING CODE OF NEW YORK STATE (EBCNYS) CHAPTER 15 AND THE 2020 FIRE CODE OF NEW YORK STATE (FCNYS) CHAPTER 33. COMPLIANCE WITH NFPA 241 IS REQUIRED FOR ITEMS NOT SPECIFICALLY ADDRESSED. THIS SPECIFICATION PROSCRIBES MINIMUM SAFEGUARDS FOR CONSTRUCTION TO PROVIDE REASONABLE SAFETY TO LIFE AND PROPERTY FROM FIRE DURING SUCH OPERATIONS.
- CONSTRUCTION INCLUDES ANY CONSTRUCTION, REMOVALS, REMODELING, ALTERATIONS, REPAIRS OR ADDITIONS TO ANY BUILDING OR STRUCTURE.
- MAINTENANCE OF SAFE CONDITIONS: REQUIRED SAFETY ELEMENTS SUCH AS EXITS, EXISTING STRUCTURAL MEMBERS, FIRE PROTECTION DEVICES AND SANITARY SAFEGUARDS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT WHERE THE BUILDING IS NOT OCCUPIED OR WHERE SUCH REQUIRED ELEMENTS ARE BEING ALTERED OR REPAIRED AND ADEQUATE SUBSTITUTE PROVISIONS ARE MADE.
- MEANS OF EGRESS: AN APPROVED PERMANENT OR TEMPORARY MEANS OF EGRESS SHALL BE MEANS OF EGRESS. AN APPROVED PERMANENT OR TEMPORARY MEANS OF EGRESS SHALL BE MAINTAINED. WHERE A BUILDING MEETS 50 FEET (15 240 MM) IN HEIGHT OR FOUR STORIES, OR WHERE AN EXISTING BUILDING EXCEEDING 50 FEET (15 240 MM) IN HEIGHT IS ALTERED, PROVIDE AT LEAST ONE TEMPORARY OR PERMANENT LIGHTED STAIRWAY TO ENSURE EGRESS AS CONSTRUCTION AND REMOVALS PROGRESSES. A EGRESS COMPONENT SHALL NOT BE DESTROYED UNLESS AND UNTIL A SUBSTITUTE MEANS OF EGRESS HAS BEEN PROVIDED.
- FIRE SAFETY DURING CONSTRUCTION AND REMOVALS: FIRE SAFETY SHALL COMPLY WITH THE FIRE SAFETY DURING CONSTRUCTION AND REMOVALS. FIRE SAFETY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE UNIFORM CODE, INCLUDING EBCNYS CHAPTER 15 AND FCNYS CHAPTER 33.

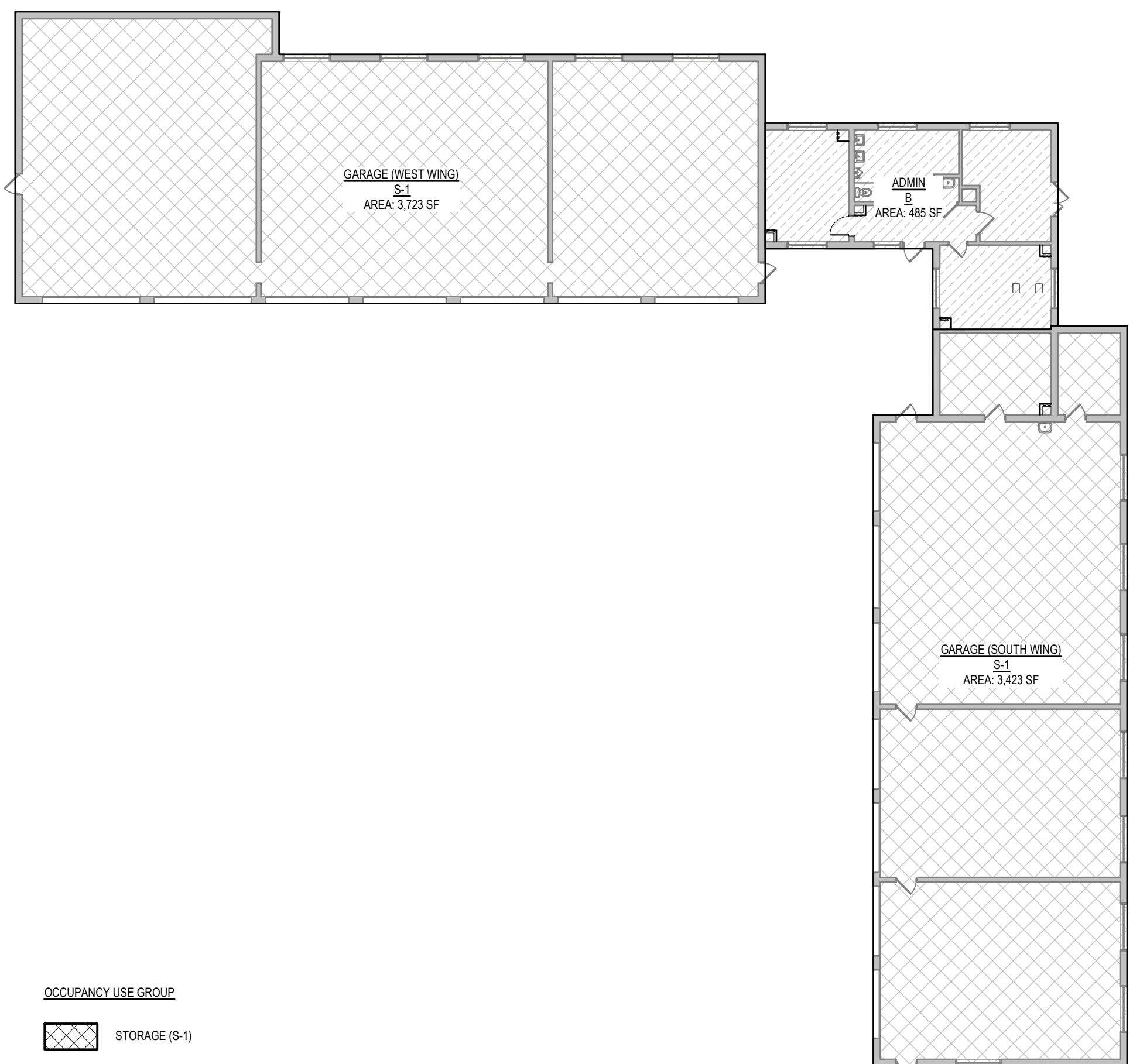
A) FIRE EXTINGUISHERS: PROVIDE PORTABLE FIRE EXTINGUISHERS FOR PROTECTION DURING CONSTRUCTION AND REMOVALS AT EACH STAIRWAY ON EACH FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED AND IN EVERY STORAGE AND CONSTRUCTION SHED. EXTINGUISHERS SHALL COMPLY WITH FCNYS SECTION 906, SIZED FOR ORDINARY HAZARD UNLESS GREATER HAZARD IS SPECIFIED. ADDITIONAL PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WHERE SPECIAL HAZARDS EXIST SUCH AS THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS

B) TEMPORARY ELECTRICAL INSTALLATIONS SHALL COMPLY WITH NFPA 70.

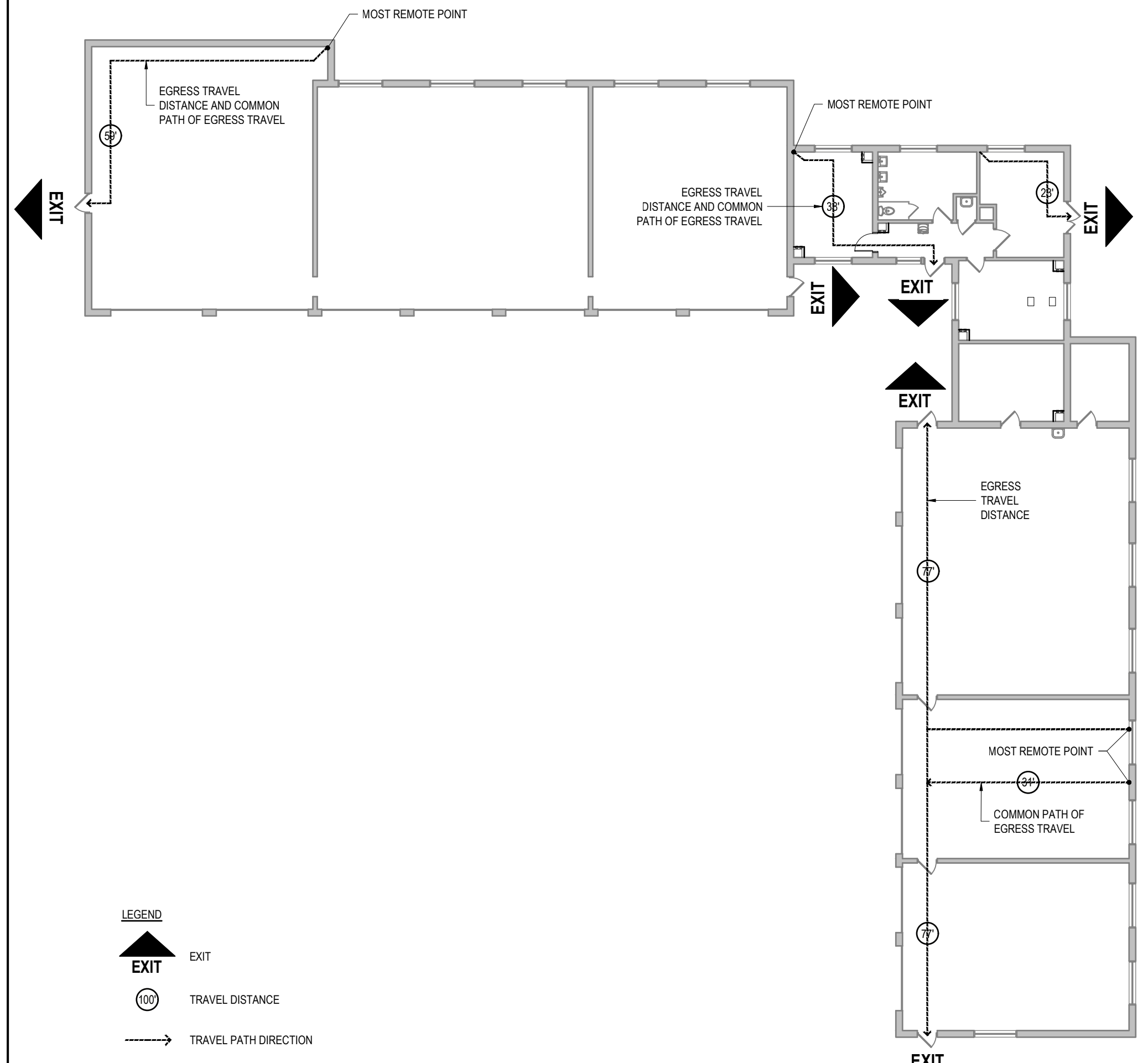
6. MATERIAL HANDLING, EQUIPMENT AND MATERIALS SHALL BE STORED AND PLACED, AND WASTE SHALL BE REMOVED, SO AS NOT TO ENDANGER THE PERSONS OR PROPERTY OR TO IMPEDE A MEANS OF EGRESS. PLACE MATERIAL AND WASTE SO AS NOT TO OBSTRUCT ACCESS TO FIRE HYDRANTS, STAMPED/FIRE EXTINGUISHERS, FIRE OR POLICE ALARM BOXES, CATCH BASINS, MANHOLES, RELEVANT UTILITY STRUCTURES, TRAFFIC OR OBSERVATION OF TRAFFIC SIGNALS. COMBUSTIBLE DEBRIS SHALL NOT BE ACCUMULATED ON SITE, AND SHALL BE REMOVED AT THE END OF EACH WORK SHIFT. RUBBISH CONTAINERS WITH A CAPACITY EXCEEDING 5.33 CUBIC FEET (40 GALLONS OR 0.15 CUBIC METERS) SHALL HAVE TIGHT-FITTING OR SELF CLOSING LIDS, AND SHALL BE CONSTRUCTED OF NONCOMBUSTIBLE MATERIAL OR MATERIAL THAT MEETS IFC SECTION 504.2.3 (2). MATERIAL SUSCEPTIBLE TO SPONTANEOUS IGNITION SHALL BE STORED IN A LISTED DISPOSAL CONTAINER.



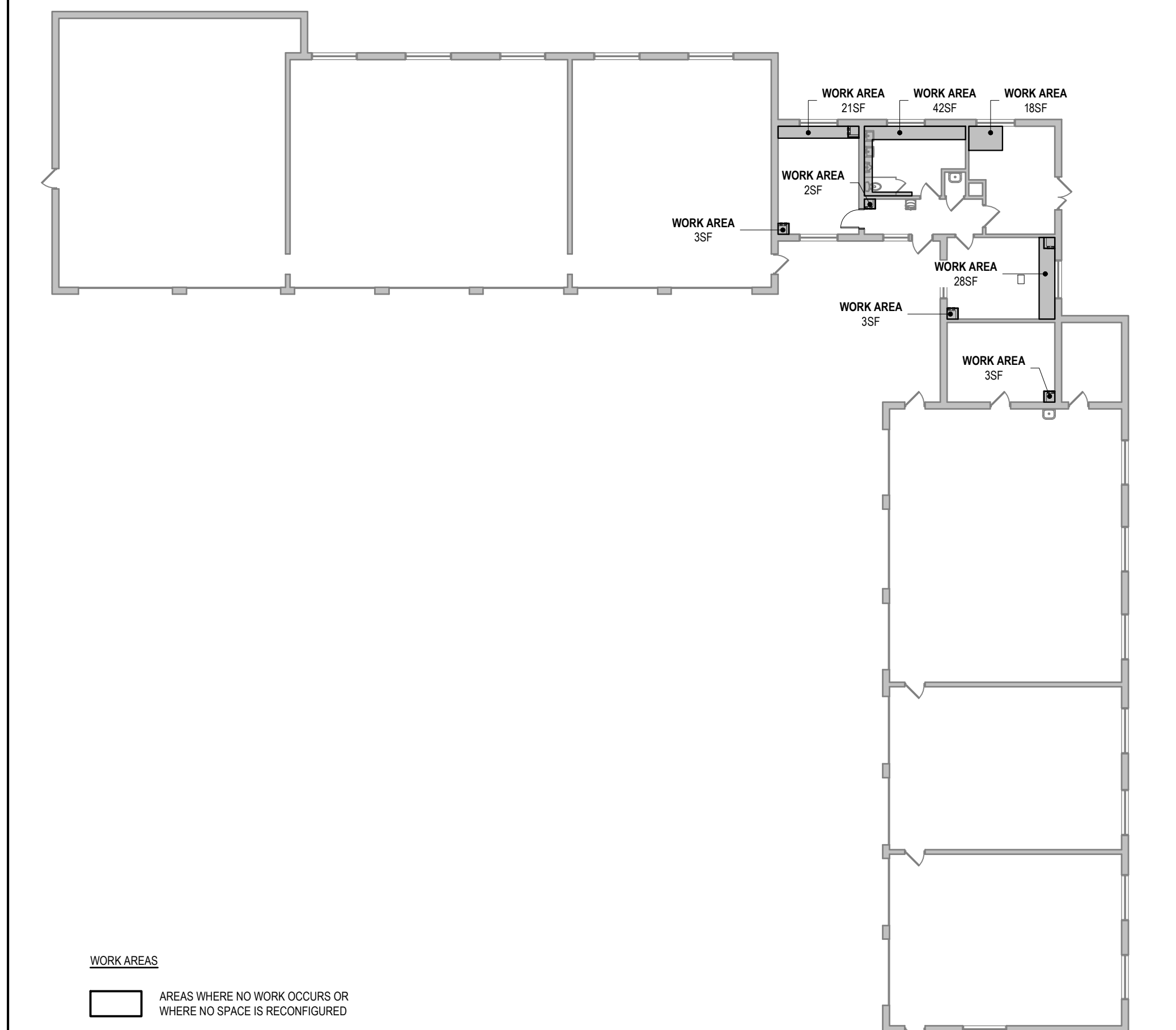
**3 OCCUPANT LOAD**  
REF: NONE SCALE: 1/16"=1'-0"



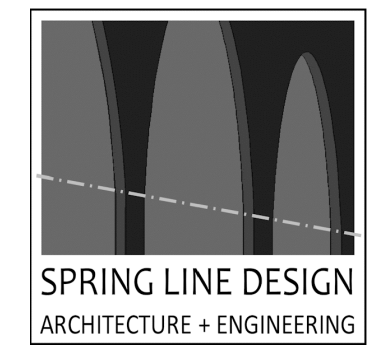
**1 OCCUPANCY USE GROUPS**  
REF: NONE SCALE: 1/16"=1'-0"



**4 EGRESS PLAN**  
REF: NONE SCALE: 1/16"=1'-0"



**2 WORK AREAS**  
REF: NONE SCALE: 1/16"=1'-0"



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REGISTRATION EXPIRES: 12/31/2023

**CONTRACT: HVAC**

TITLE: REPLACE HEATING SYSTEM OFFICE AND GARAGE

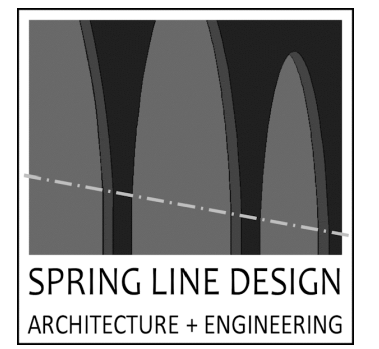
LOCATION: DOT REGION 8, DUTCHESS COUNTY HOLLOW RD AND TACONIC PARKWAY CLINTON CORNERS, NY 12514

CLIENT: DEPARTMENT OF TRANSPORTATION

REVISED DRAWING 05/08/2023

MARK	DATE	DESCRIPTION
1	05/08/2023	ADDENDUM 1
	04/11/2023	BID DOCUMENTS

PROJECT NUMBER: 47208 - H	
DESIGNED BY:	WA
DRAWN BY:	SS
FIELD CHECK:	
APPROVED:	KK
SHEET TITLE: CODE SUMMARY	
DRAWING NUMBER: G-002	
SHEET 2 of 20	



**ENERGY CODE STATEMENT:**

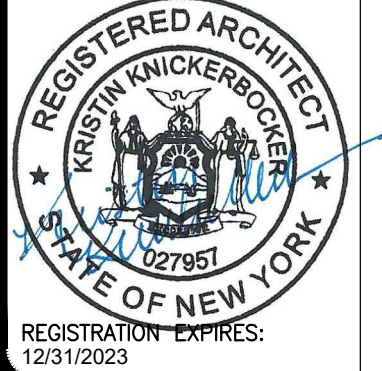
TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

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**CONTRACT: HVAC**

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LOCATION: DOT REGION 8, DUTCHESS COUNTY HOLLOW RD AND TACONIC PARKWAY CLINTON CORNERS, NY 12514

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**REVISED DRAWING 05/08/2023**

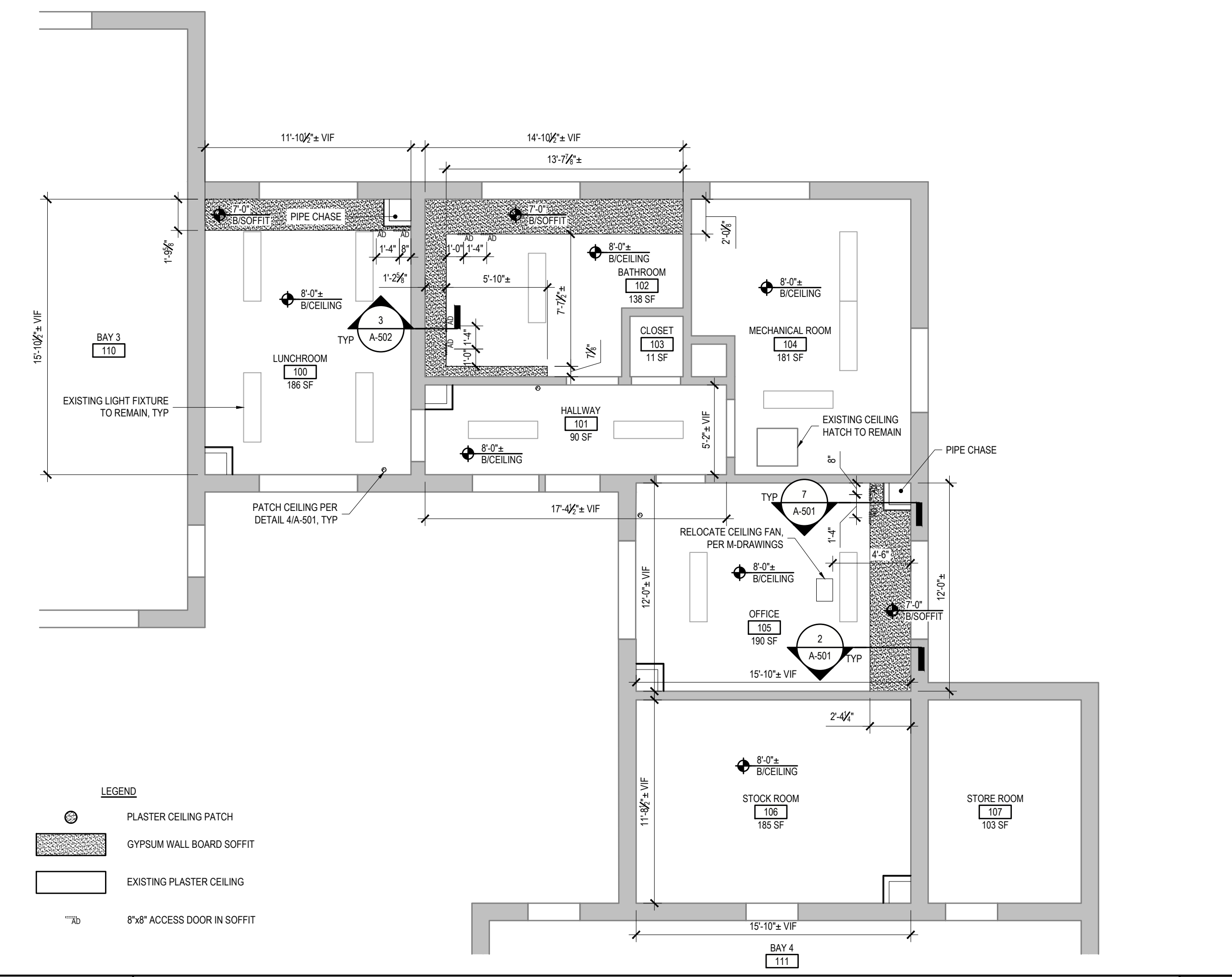
MARK	DATE	DESCRIPTION
1	05/08/2023	ADDENDUM 1
	04/11/2023	BID DOCUMENTS

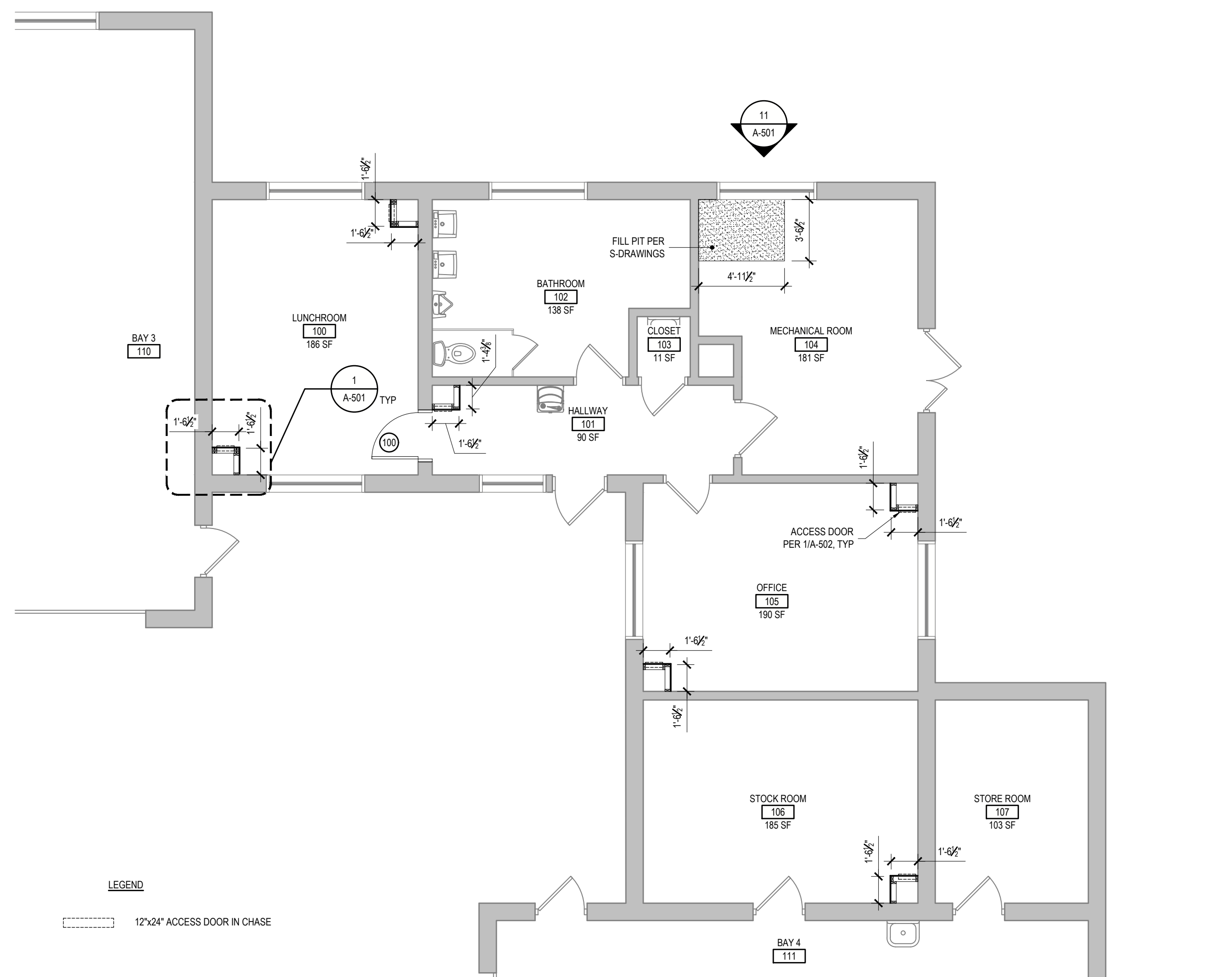
PROJECT NUMBER:	47208 - H
DESIGNED BY:	SS
DRAWN BY:	SS
FIELD CHECK:	
APPROVED:	KK

**FLOOR, ROOF, AND REFLECTED CEILING PLANS**

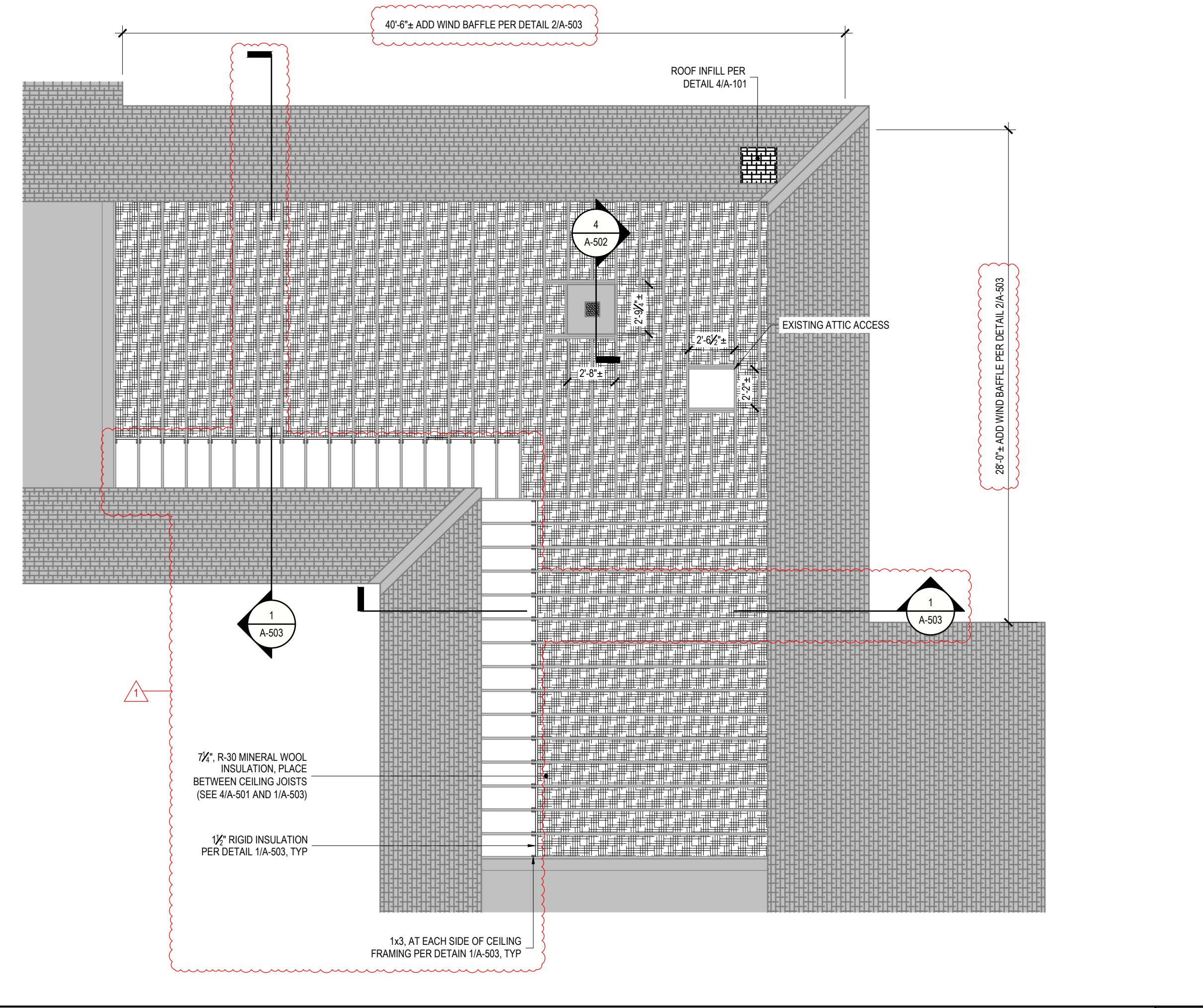
DRAWING NUMBER: A-101



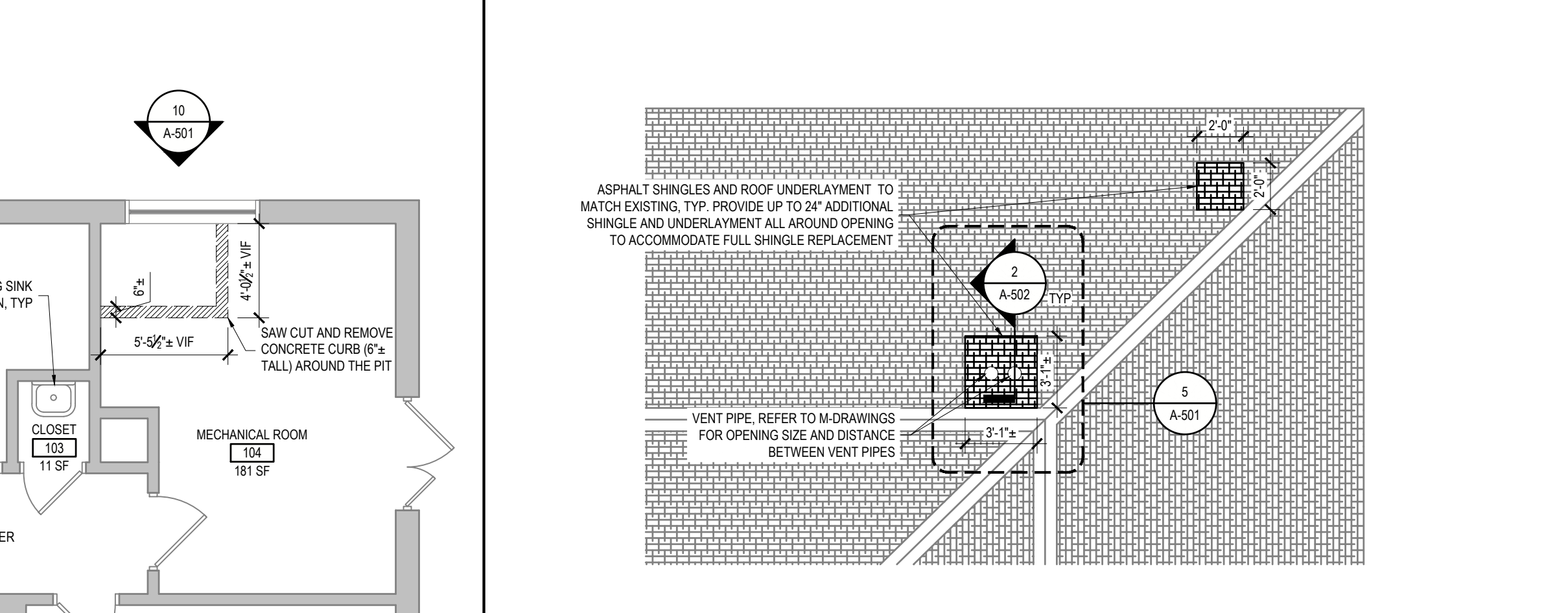
**6 REFLECTED CEILING PLAN**  
REF: 1/A-001 SCALE: 3/16" = 1'-0"



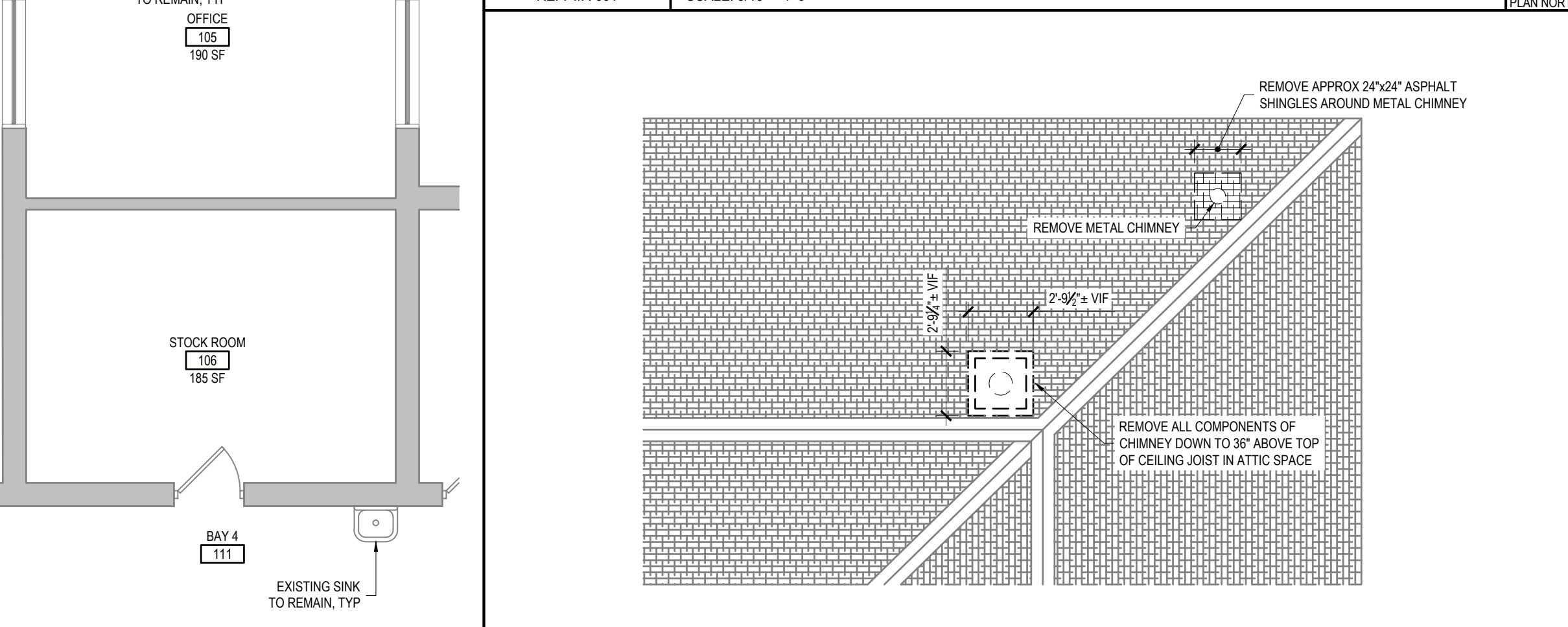
**3 FLOOR PLAN**  
REF: 1/A-001 SCALE: 3/16" = 1'-0"



**5 ATTIC PLAN**  
REF: 1/A-001 SCALE: 3/16" = 1'-0"

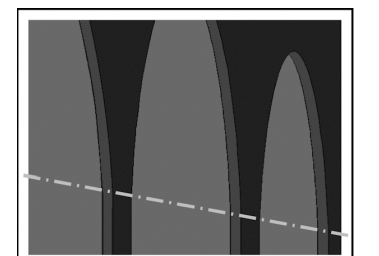


**4 ROOF REMOVALS PLAN**  
REF: 1/A-001 SCALE: 3/16" = 1'-0"



**1 FLOOR REMOVALS PLAN**  
REF: 1/A-001 SCALE: 3/16" = 1'-0"

36x24 PLOT SHEET



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**CONTRACT:**

**HVAC**

TITLE: REPLACE HEATING SYSTEM OFFICE AND GARAGE

LOCATION: DOT REGION 8, DUTCHESS COUNTY HOLLOW RD AND TACONIC PARKWAY CLINTON CORNERS, NY 12514

CLIENT: DEPARTMENT OF TRANSPORTATION

**REVISED DRAWING 05/08/2023**

MARK	DATE	DESCRIPTION
1	05/08/2023	ADDENDUM 1
	04/11/2023	BID DOCUMENTS

PROJECT NUMBER: **47208 - H**  
 DESIGNED BY: SS  
 DRAWN BY: SS  
 FIELD CHECK: SS  
 APPROVED: KK

SHEET TITLE: **DETAILS**  
 DRAWING NUMBER: **A-501**  
 SHEET 5 OF 20

DOOR SCHEDULE												
DOOR No.	ROOM	DOOR SIZE	DOOR THICKNESS	DOOR TYPE	FRAME TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE SET	HEAD DETAIL	JAMB DETAIL	NOTES	FIRE RATING
100	LUNCHROOM	2'-8"x6'-8"	1 3/4"	FLUSH	-	WOOD	WOOD	1	5/A-502	6/A-502	PAINT	-

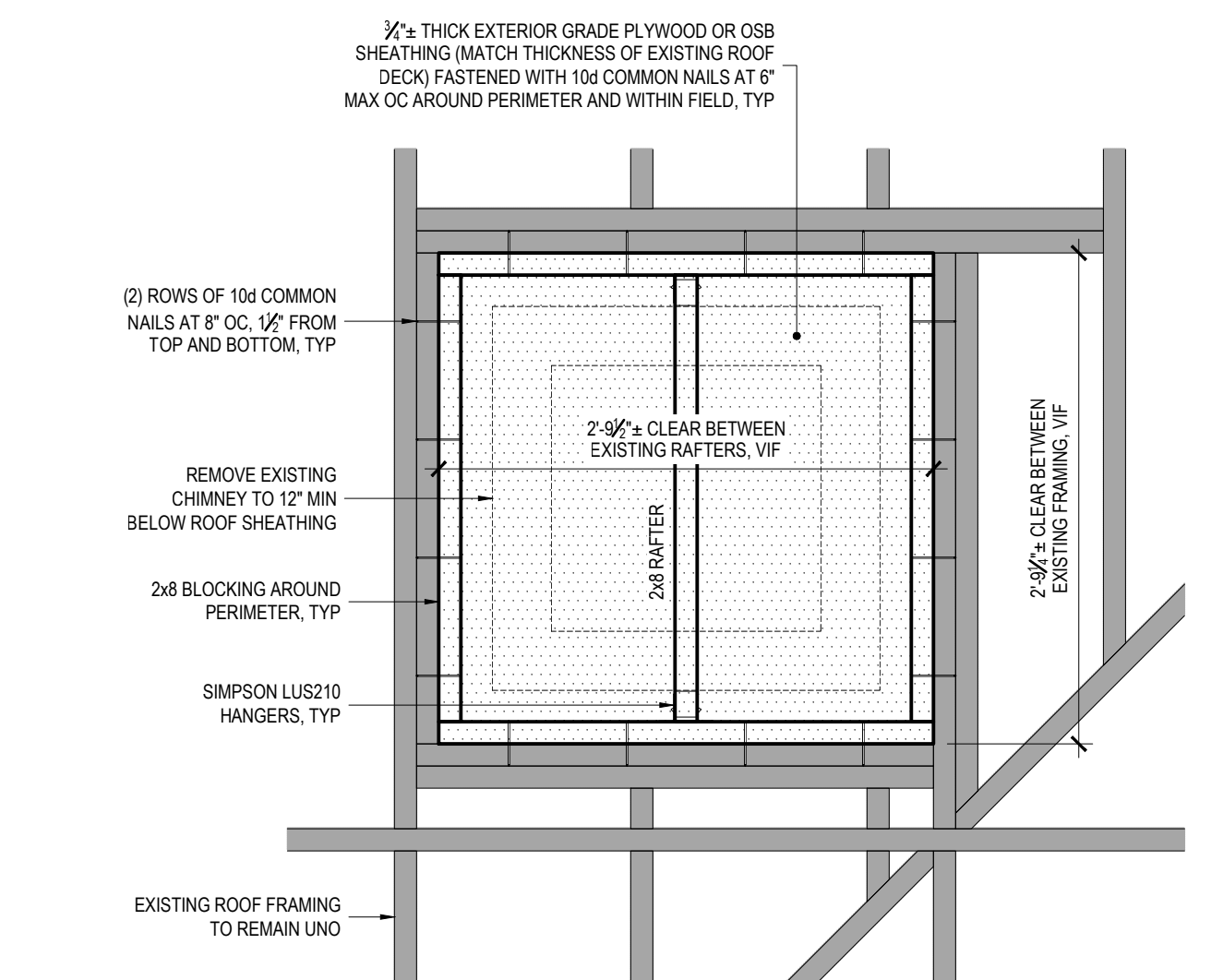
**DOOR NOTES**

12 DOOR SCHEDULE  
REF: NONE SCALE: NTS

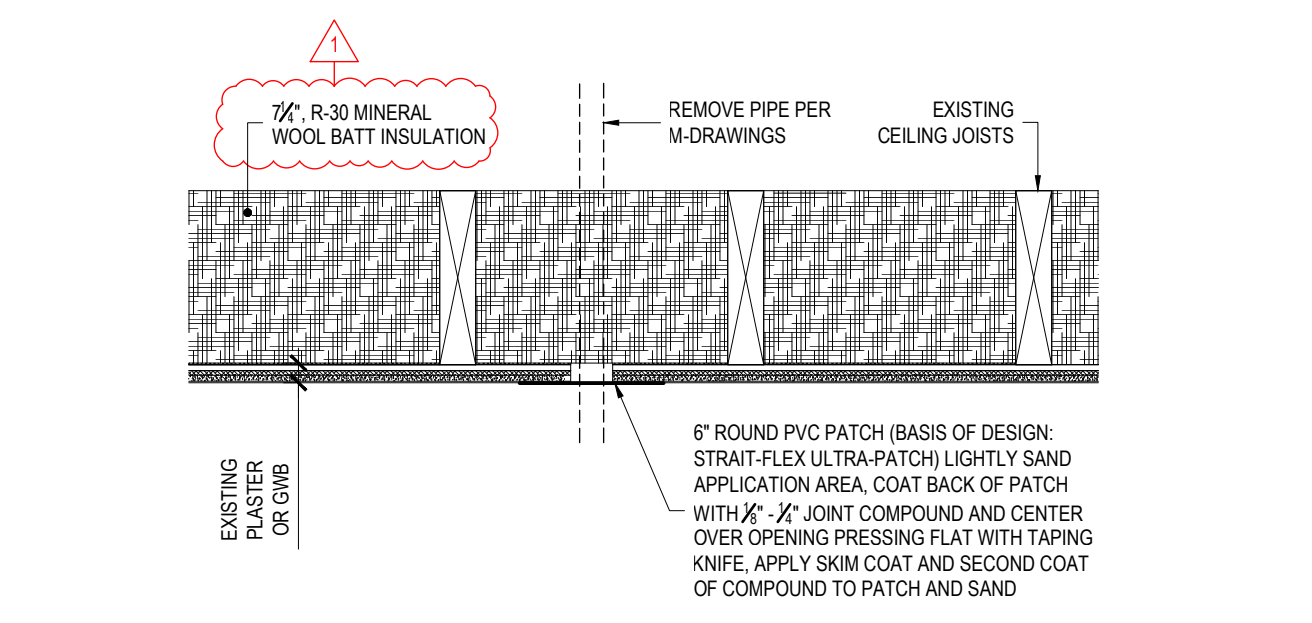
ROOM No.	WALLS				CEILING	BASE	REMARKS
	NORTH	EAST	SOUTH	WEST			
100	IAL-2	IAL-2	IAL-2	IAL-2	IAL-1	WD	PAINT EXISTING TRIM, PROVIDE AND PAINT TRIM AT PIPE CHASE PER 6/A-501
101	IAL-2	IAL-2	IAL-2	IAL-2	IAL-1	WD	PAINT EXISTING TRIM, PROVIDE AND PAINT TRIM AT PIPE CHASE PER 6/A-501
102	-	-	-	-	IAL-3	-	
103	-	-	-	-	-	-	
104	-	-	-	-	-	-	
105	IAL-2	IAL-2	IAL-2	IAL-2	IAL-1	WD	PAINT EXISTING TRIM, PROVIDE AND PAINT TRIM AT PIPE CHASE PER 6/A-501
106	-	IAL-2	IAL-2	-	-	WD	PAINT EXISTING TRIM, PROVIDE AND PAINT TRIM AT PIPE CHASE PER 6/A-501
107	-	-	-	-	-	-	
108	-	-	-	-	-	-	
109	-	-	-	-	-	-	

**FINISH ABBREVIATIONS**  
 IAL - INTERIOR ACRYLIC LATEX PAINT  
 WD - 1x4 POPLAR, PAINTED  
 - - NO FINISH

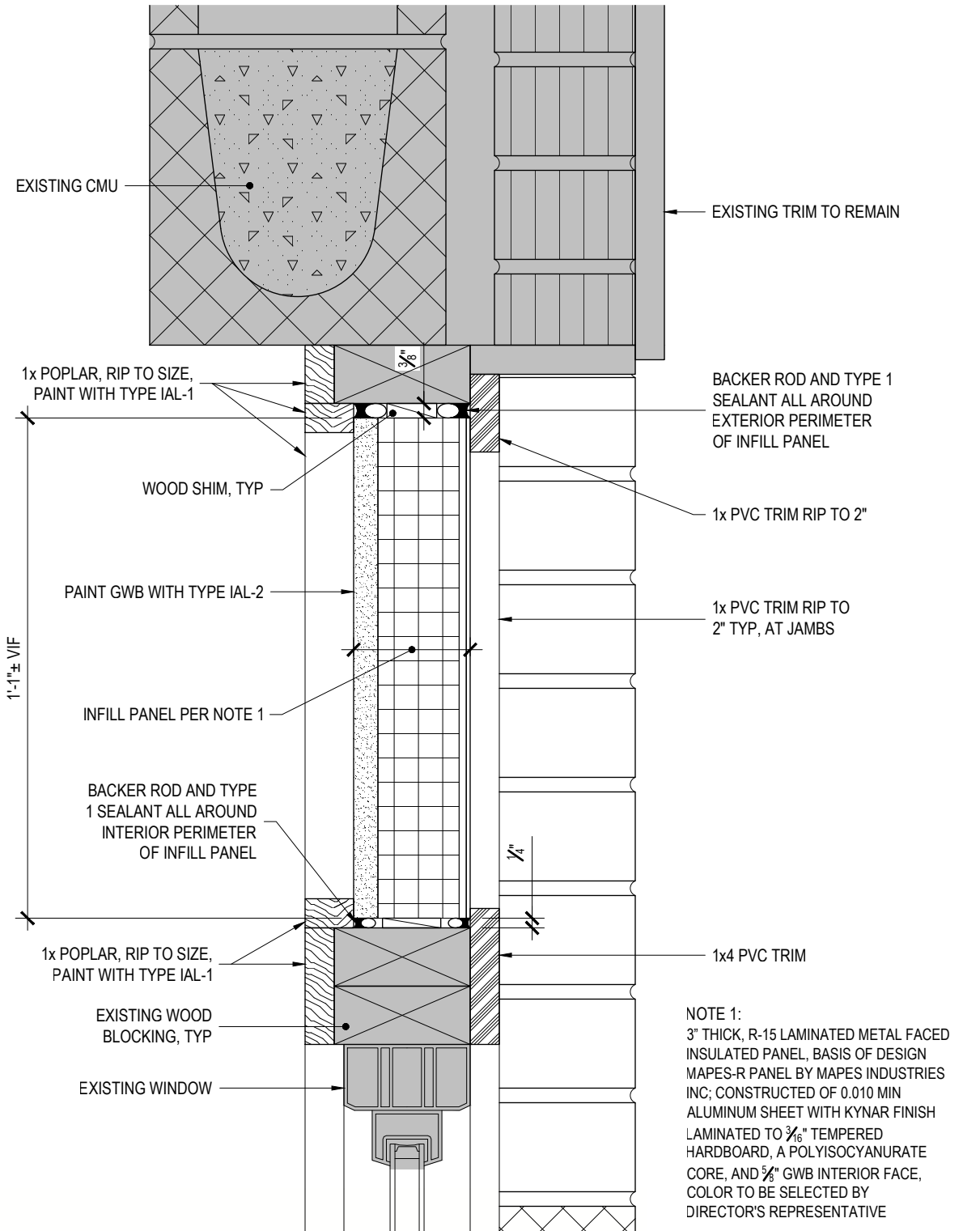
9 FINISH SCHEDULE  
REF: NONE SCALE: NTS



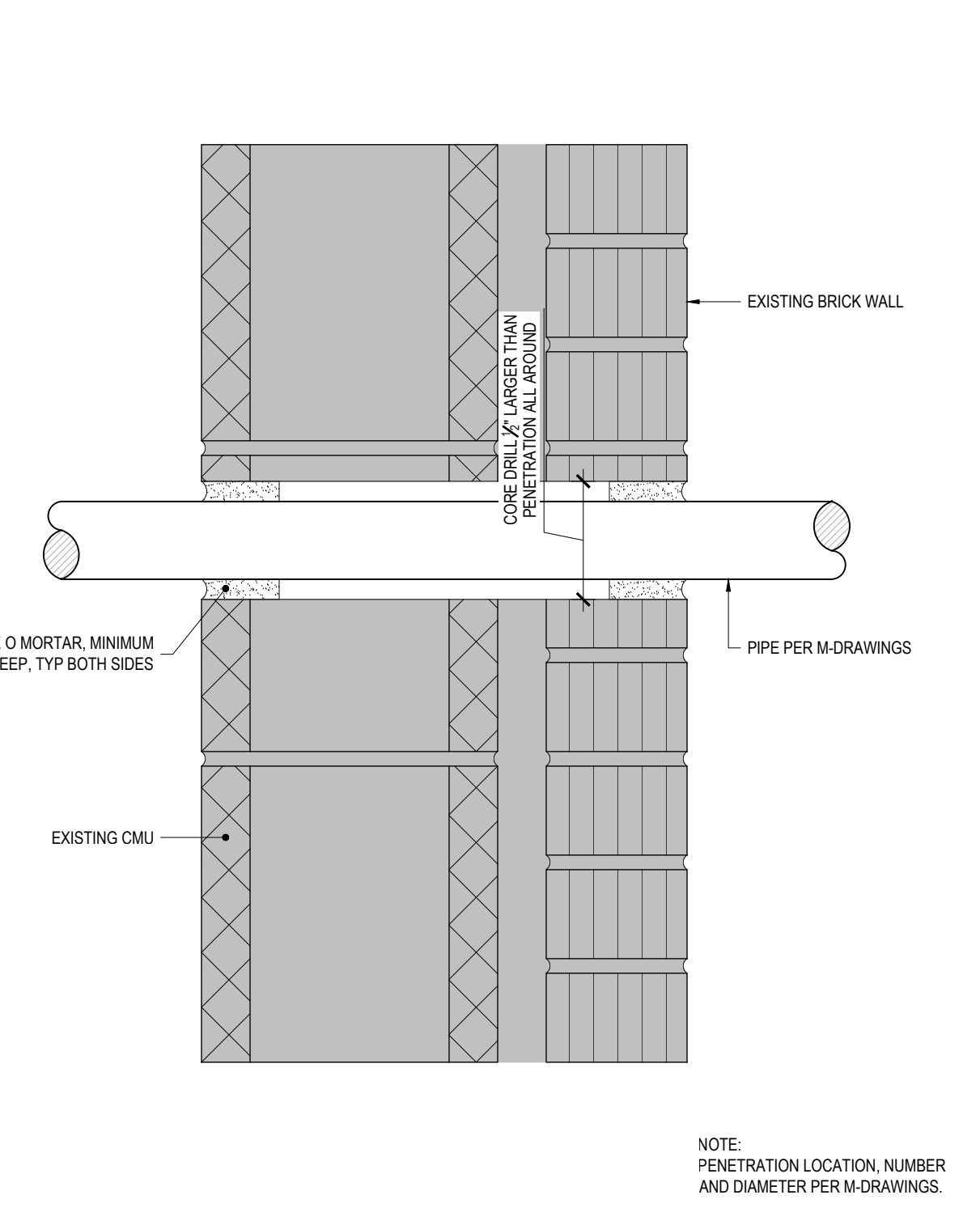
5 DECK INFILL DETAIL  
REF: NONE SCALE: 1" = 1'-0"



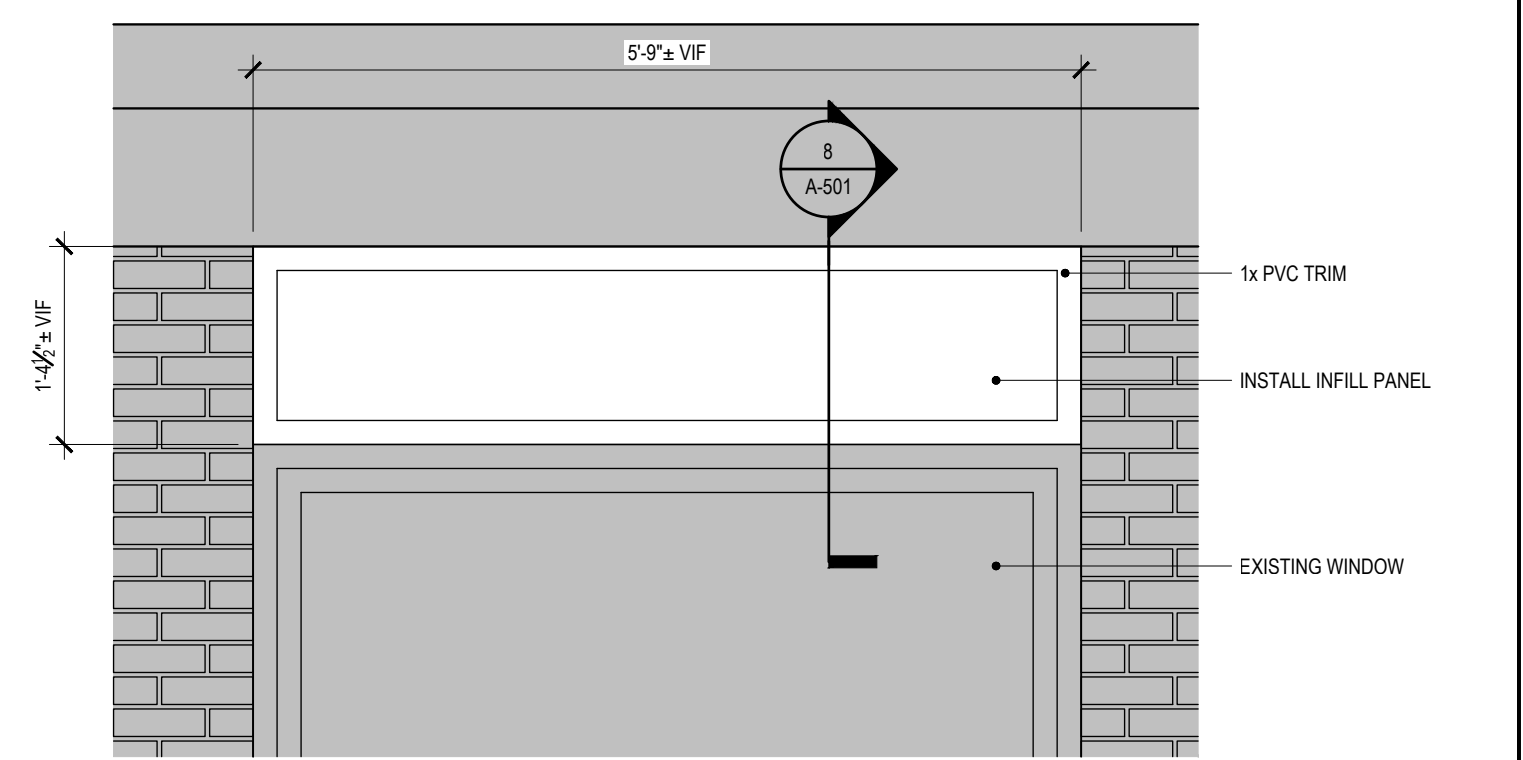
4 PLASTER CEILING PATCH DETAIL  
REF: 6/A-101 SCALE: 1 1/2" = 1'-0"



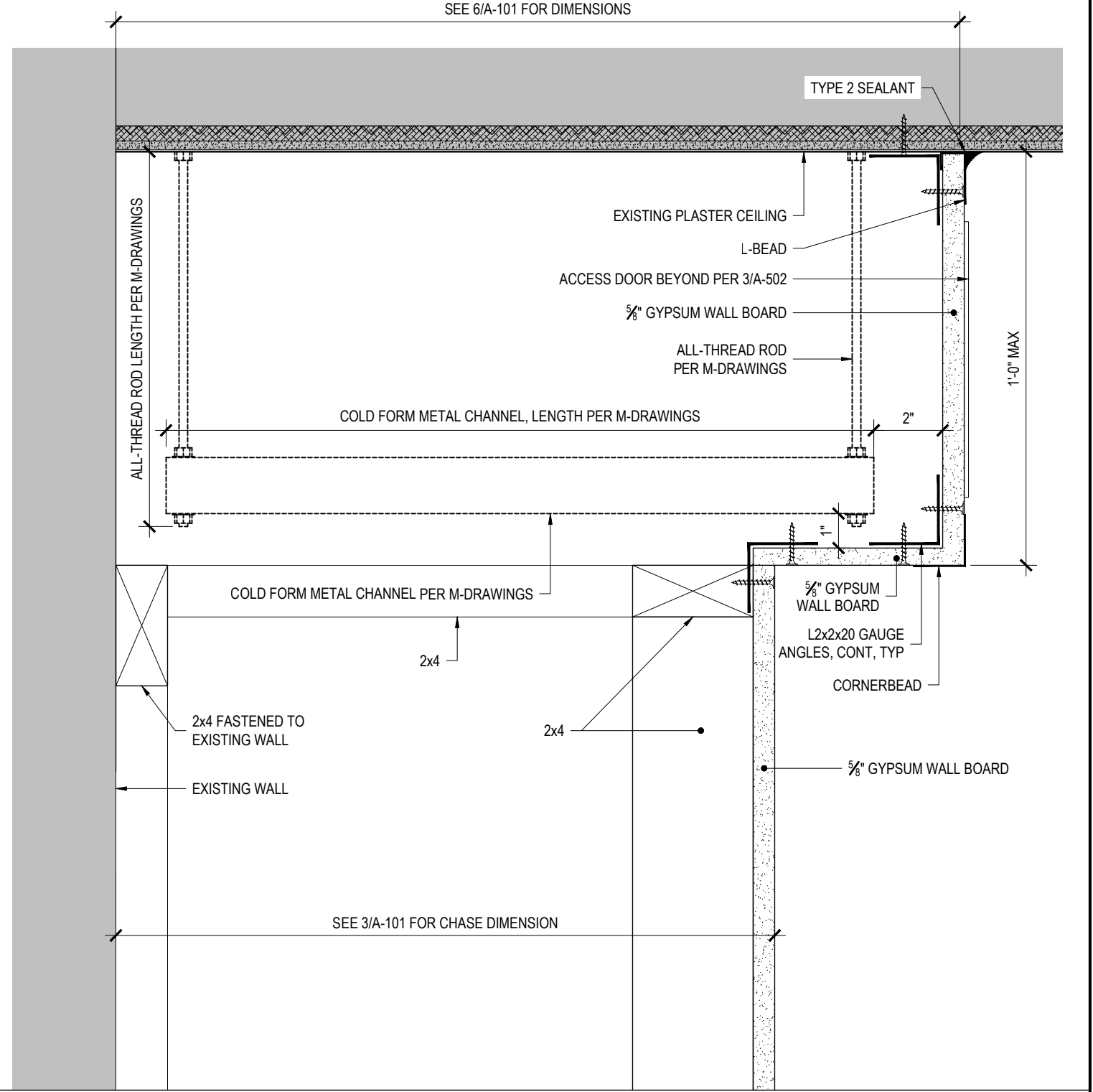
8 WALL INFILL DETAIL  
REF: 11/A-501 SCALE: 3" = 1'-0"



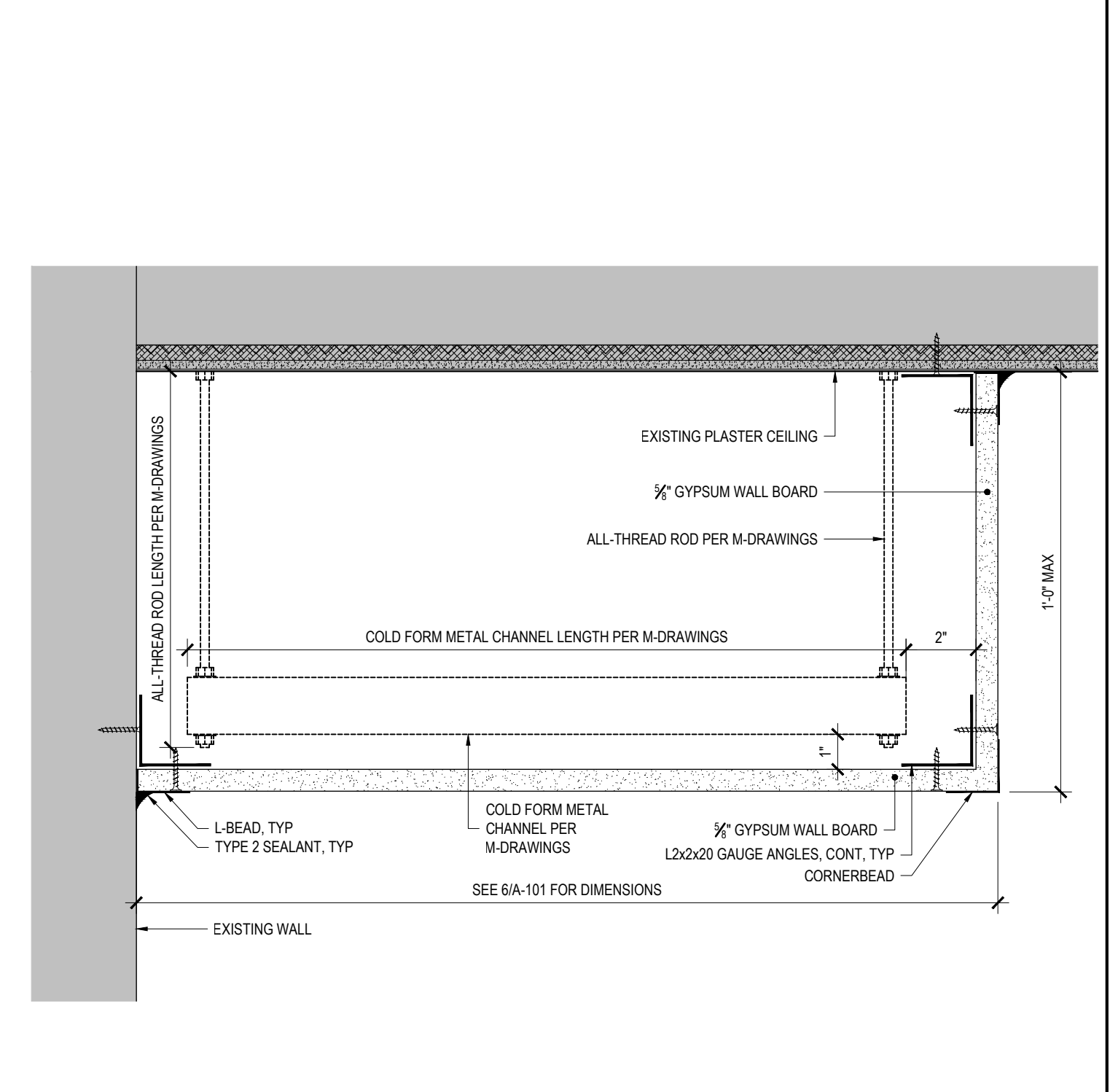
3 TYPICAL PIPE PENETRATION DETAIL  
REF: NONE SCALE: 3" = 1'-0"



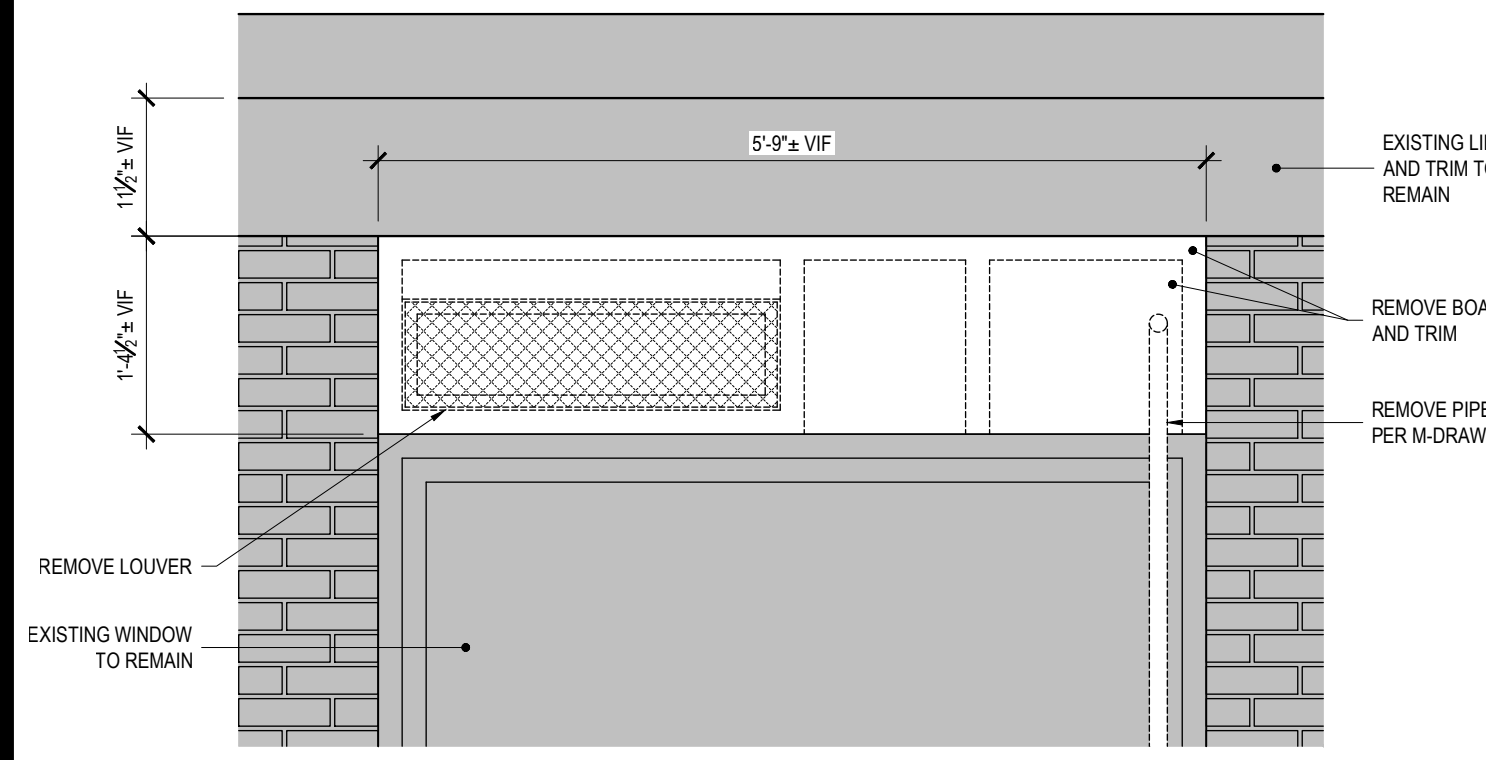
11 WALL INFILL DETAIL  
REF: 3/A-101 SCALE: 3/4" = 1'-0"



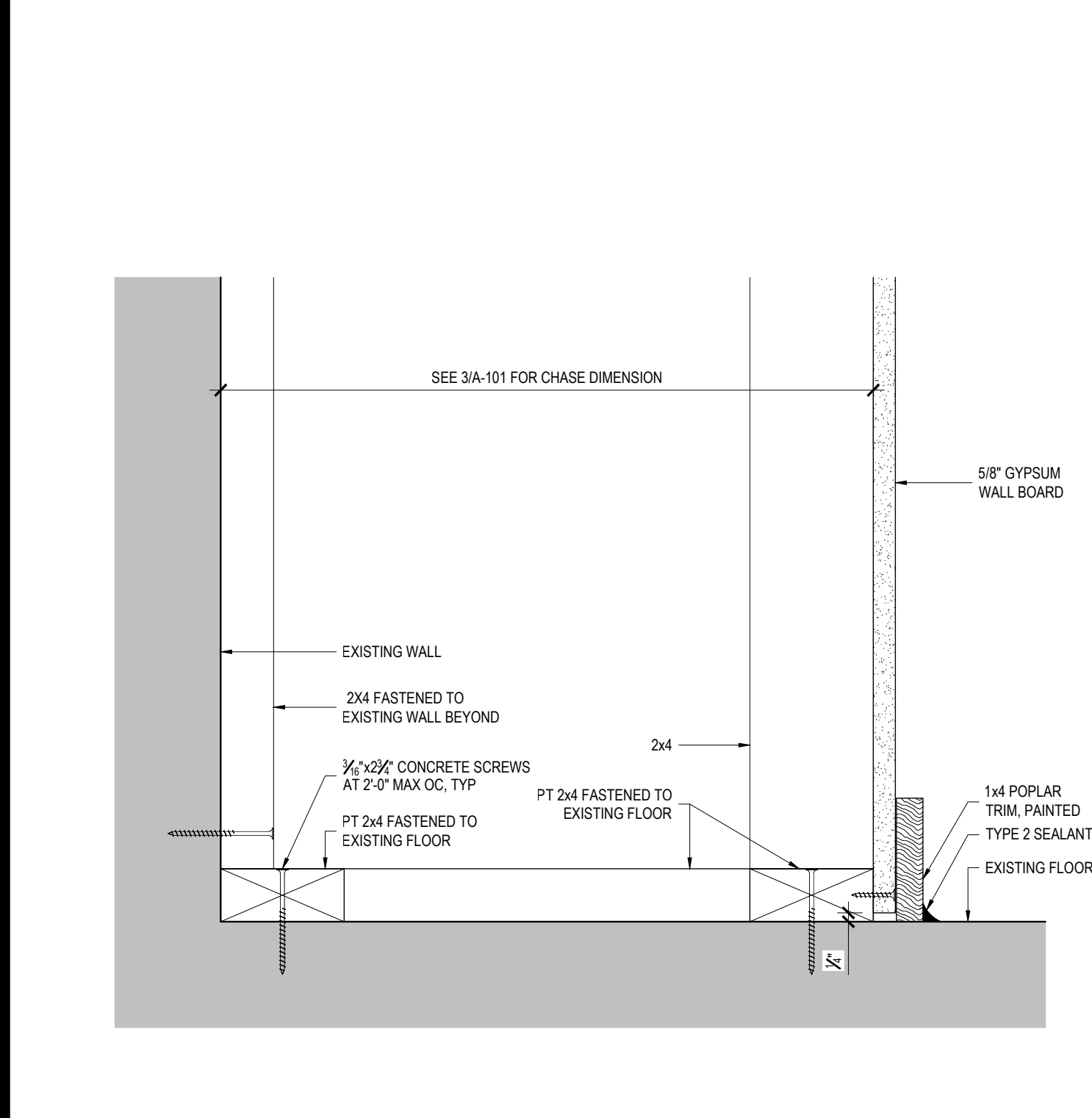
7 PIPE CHASE AT SOFFIT SECTION DETAIL  
REF: 6/A-101 SCALE: 3/4" = 1'-0"



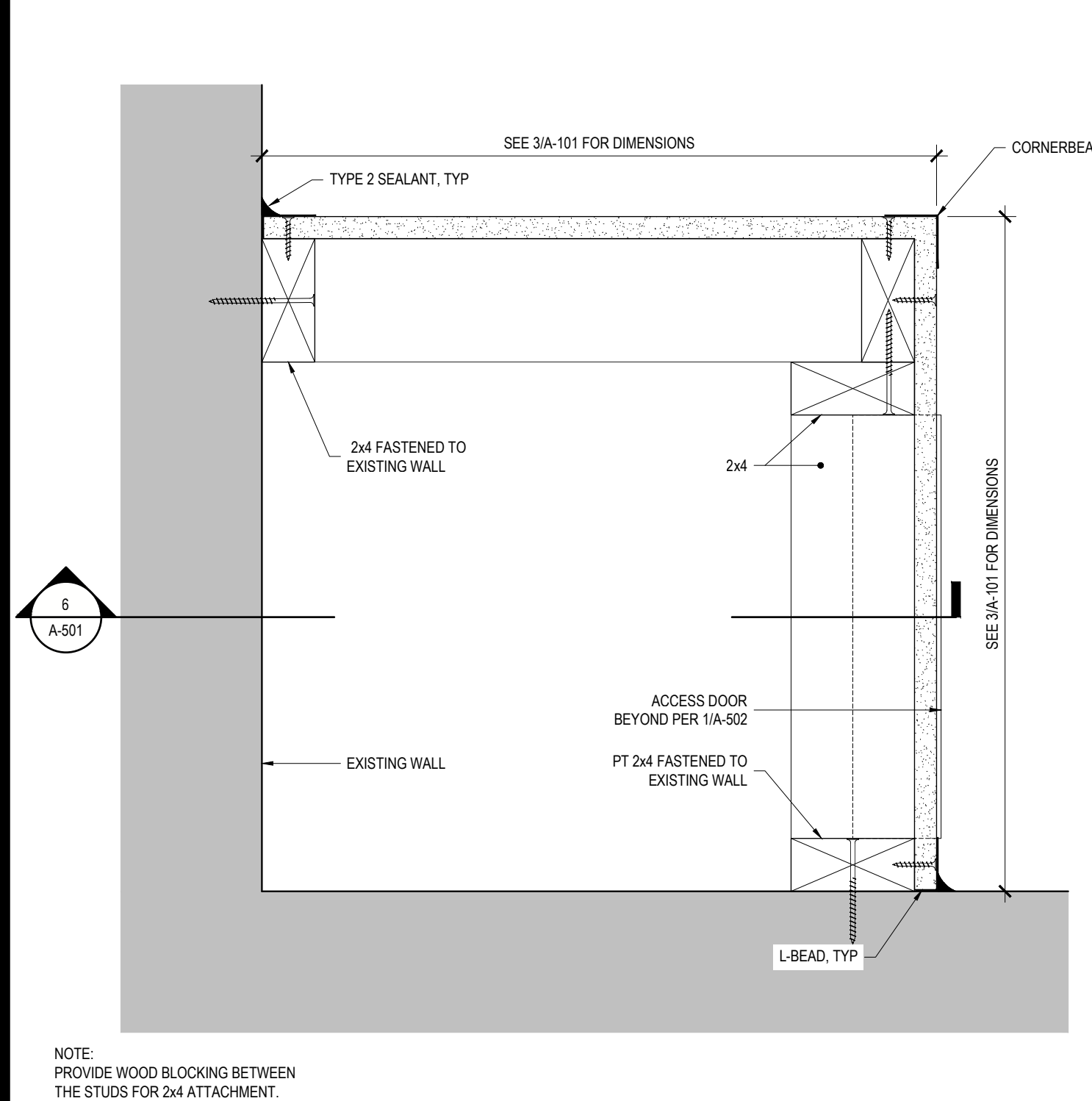
2 PIPE SOFFIT SECTIONAL DETAIL  
REF: 6/A-101 SCALE: 3" = 1'-0"



10 LOUVER REMOVAL  
REF: 1/A-101 SCALE: 3/4" = 1'-0"



6 PIPE CHASE AT FLOOR SECTION DETAIL  
REF: 1/A-501 SCALE: 3/4" = 1'-0"

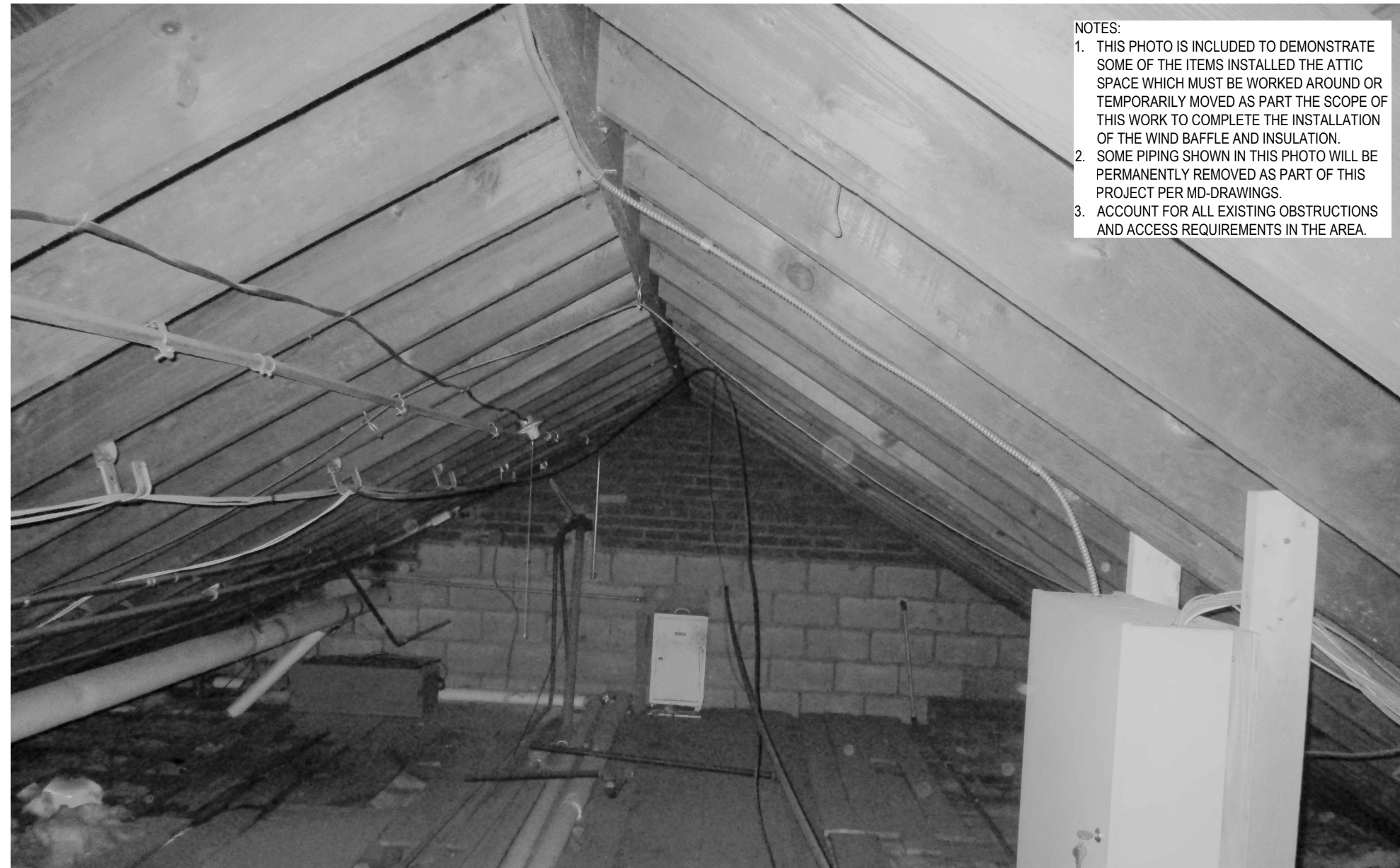


1 PIPE CHASE PLAN DETAIL  
REF: 3/A-101 SCALE: 3" = 1'-0"





NOTES:  
 1. THIS PHOTO IS INCLUDED TO DEMONSTRATE SOME OF THE ITEMS INSTALLED THE ATTIC SPACE WHICH MUST BE WORKED AROUND OR TEMPORARILY MOVED AS PART THE SCOPE OF THIS WORK TO COMPLETE THE INSTALLATION OF THE WIND BAFFLE AND INSULATION.  
 2. SOME PIPING SHOWN IN THIS PHOTO WILL BE PERMANENTLY REMOVED AS PART OF THIS PROJECT PER MD-DRAWINGS.  
 3. ACCOUNT FOR ALL EXISTING OBSTRUCTIONS AND ACCESS REQUIREMENTS IN THE AREA.



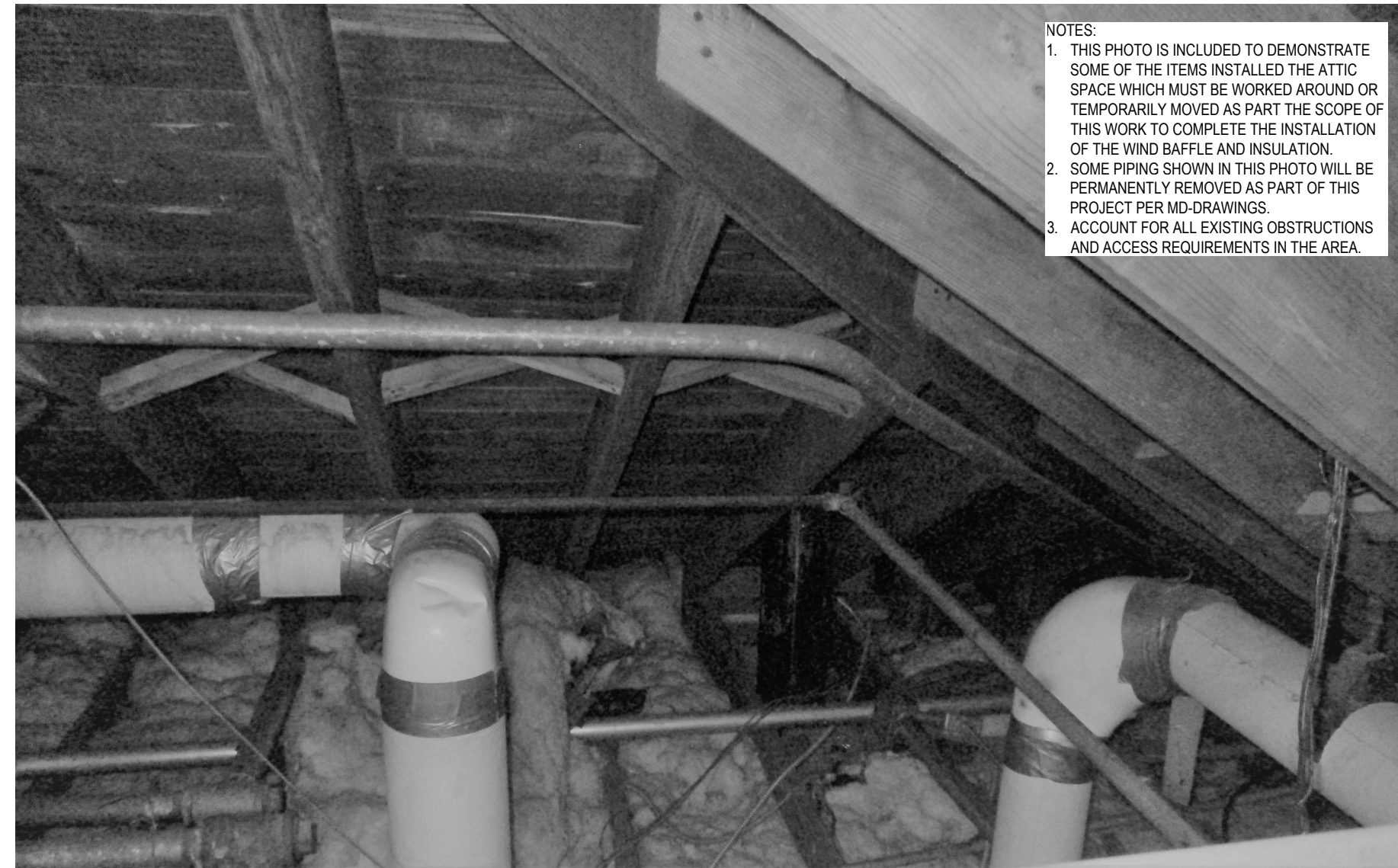
NOTES:  
 1. THIS PHOTO IS INCLUDED TO DEMONSTRATE SOME OF THE ITEMS INSTALLED THE ATTIC SPACE WHICH MUST BE WORKED AROUND OR TEMPORARILY MOVED AS PART THE SCOPE OF THIS WORK TO COMPLETE THE INSTALLATION OF THE WIND BAFFLE AND INSULATION.  
 2. SOME PIPING SHOWN IN THIS PHOTO WILL BE PERMANENTLY REMOVED AS PART OF THIS PROJECT PER MD-DRAWINGS.  
 3. ACCOUNT FOR ALL EXISTING OBSTRUCTIONS AND ACCESS REQUIREMENTS IN THE AREA.

6 ATTIC PHOTO

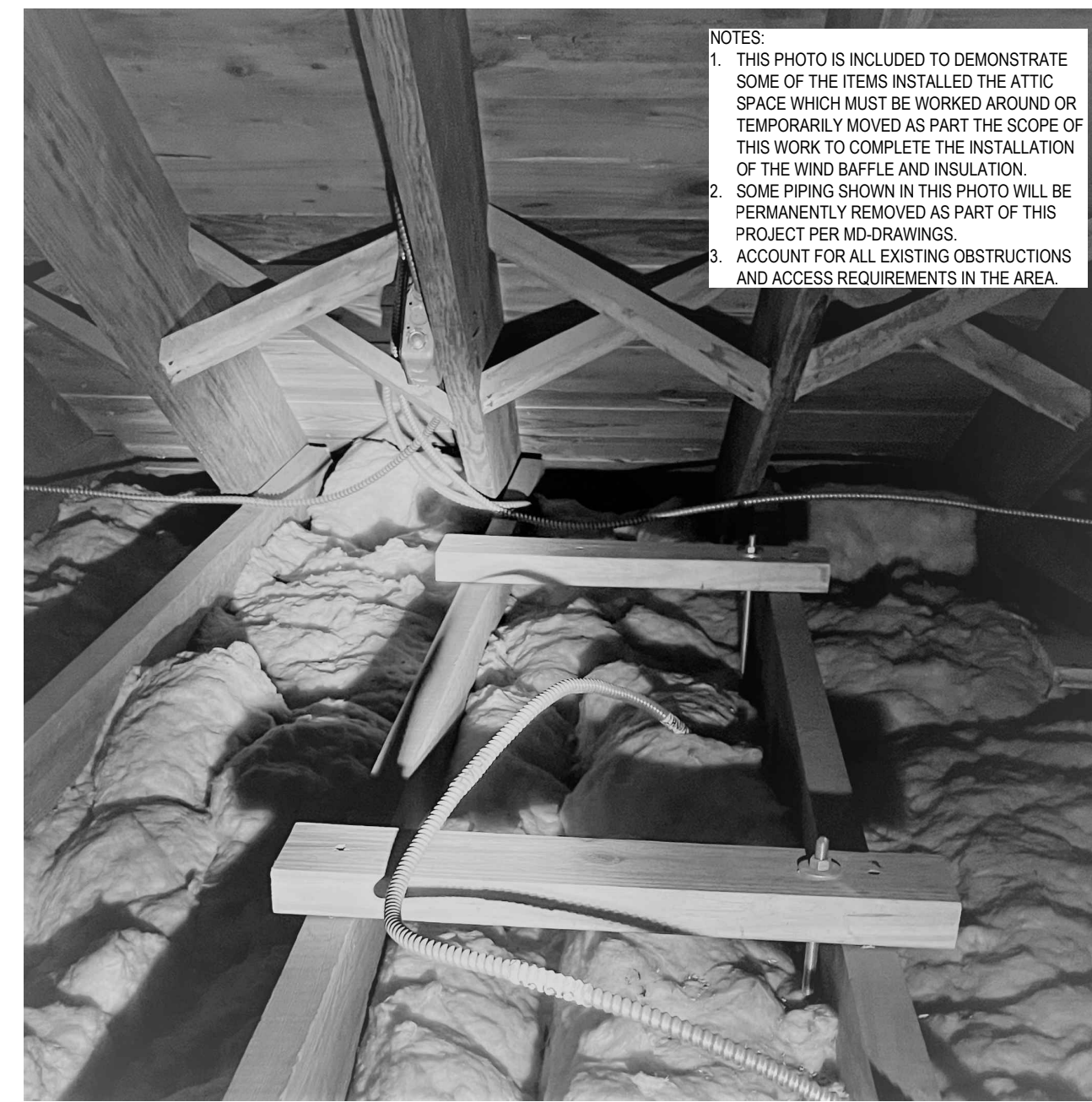
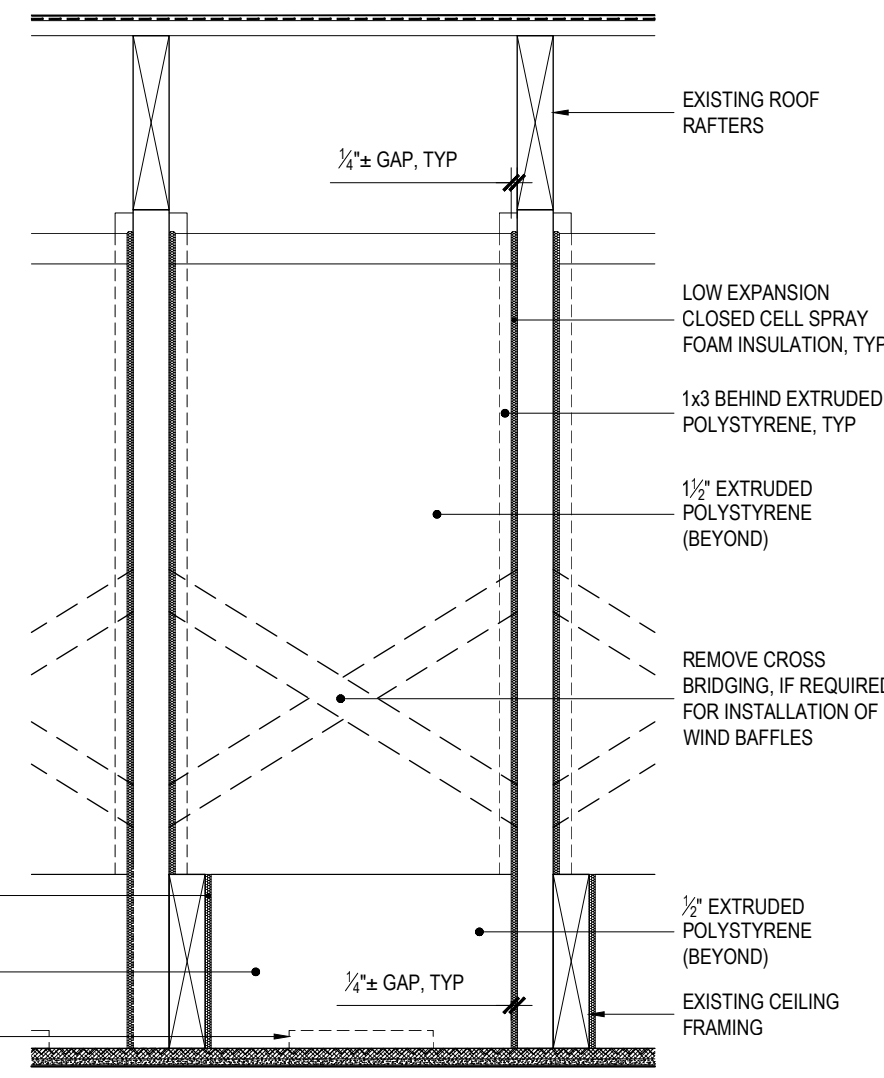
REF: NONE SCALE: NTS

7 ATTIC PHOTO

REF: NONE SCALE: NTS



NOTES:  
 1. THIS PHOTO IS INCLUDED TO DEMONSTRATE SOME OF THE ITEMS INSTALLED THE ATTIC SPACE WHICH MUST BE WORKED AROUND OR TEMPORARILY MOVED AS PART THE SCOPE OF THIS WORK TO COMPLETE THE INSTALLATION OF THE WIND BAFFLE AND INSULATION.  
 2. SOME PIPING SHOWN IN THIS PHOTO WILL BE PERMANENTLY REMOVED AS PART OF THIS PROJECT PER MD-DRAWINGS.  
 3. ACCOUNT FOR ALL EXISTING OBSTRUCTIONS AND ACCESS REQUIREMENTS IN THE AREA.



NOTES:  
 1. THIS PHOTO IS INCLUDED TO DEMONSTRATE SOME OF THE ITEMS INSTALLED THE ATTIC SPACE WHICH MUST BE WORKED AROUND OR TEMPORARILY MOVED AS PART THE SCOPE OF THIS WORK TO COMPLETE THE INSTALLATION OF THE WIND BAFFLE AND INSULATION.  
 2. SOME PIPING SHOWN IN THIS PHOTO WILL BE PERMANENTLY REMOVED AS PART OF THIS PROJECT PER MD-DRAWINGS.  
 3. ACCOUNT FOR ALL EXISTING OBSTRUCTIONS AND ACCESS REQUIREMENTS IN THE AREA.

3 ATTIC PHOTO

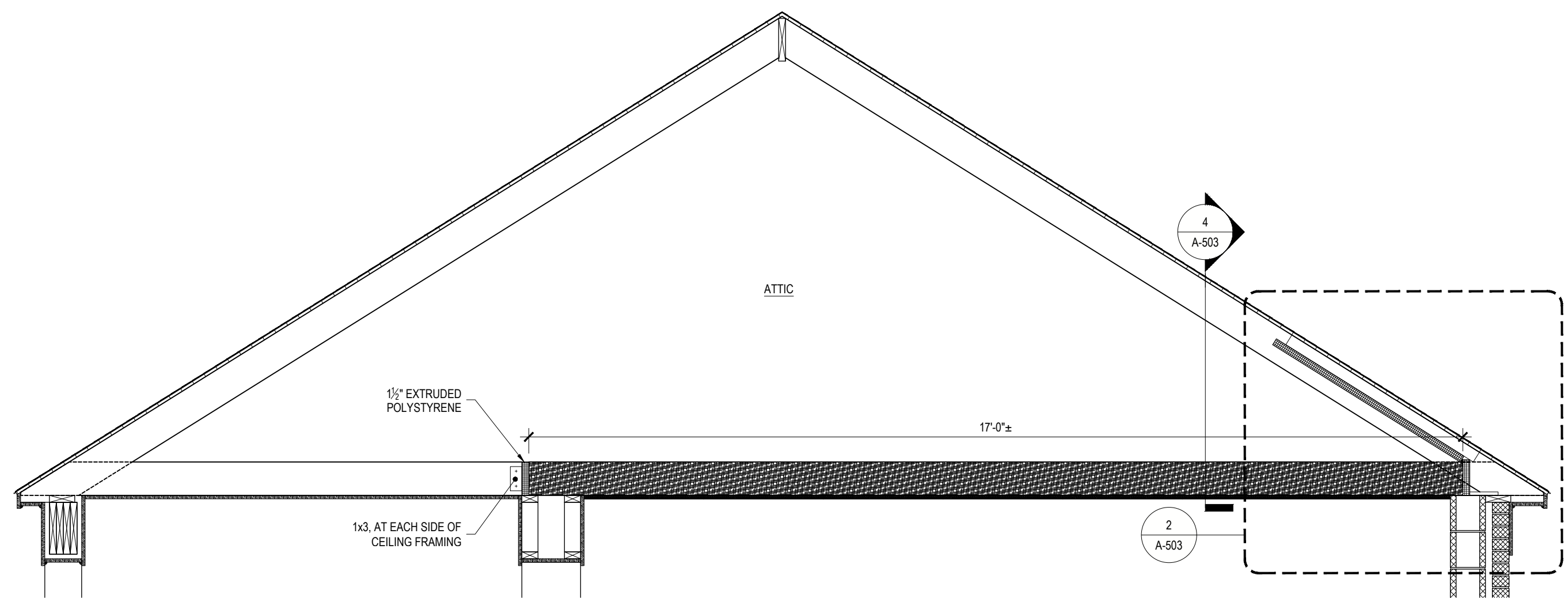
REF: NONE SCALE: NTS

4 WIND BAFFLE BETWEEN RAFTER DETAIL

REF: 1/A-503 SCALE: 1 1/2" = 1'-0"

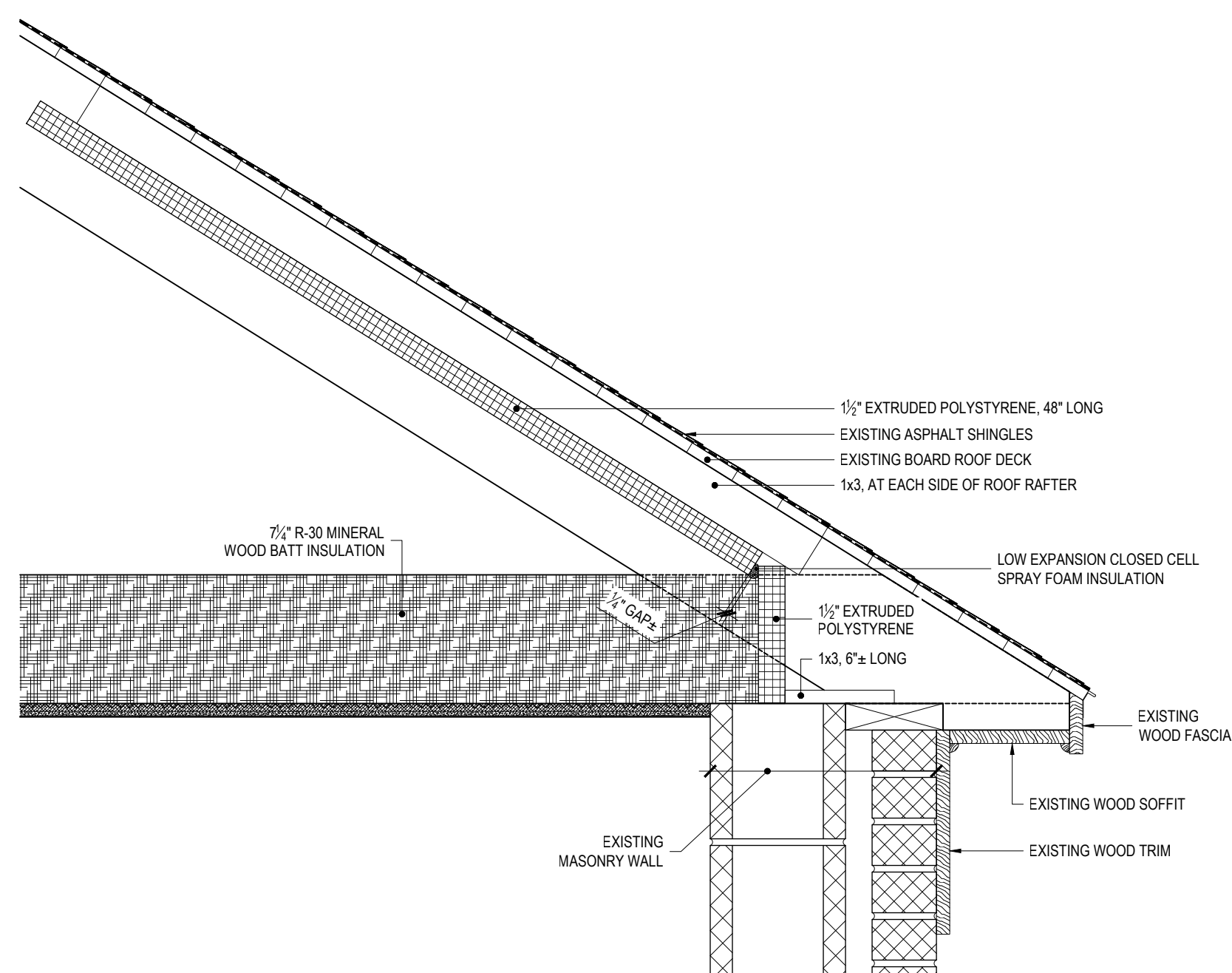
5 RAFTER AND CEILING FRAMING PHOTO

REF: NONE SCALE: NTS



1 TRANSVERSE SECTION OF ATTIC

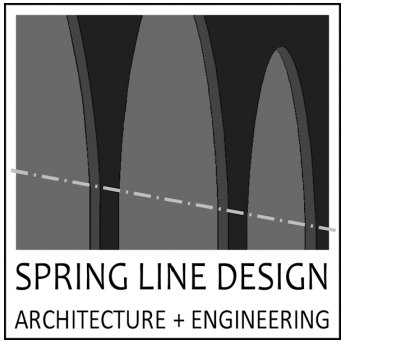
REF: 5/A-101 SCALE: 1/2" = 1'-0"



2 INSULATION EDGE (WIND BAFFLE) AT ROOF EAVE

REF: 1/A-503 SCALE: 1 1/2" = 1'-0"

PHOTOGRAPHY STIPULATION:  
 PHOTOGRAPHS PROVIDED IN THE CONTRACT DOCUMENTS ARE FOR REFERENCE PURPOSES ONLY. THESE PHOTOS REPRESENT WHAT CONDITIONS WERE AT THE TIME THEY WERE TAKEN AND MAY NOT ACCURATELY REPRESENT CURRENT CONDITIONS.



ENERGY CODE STATEMENT:

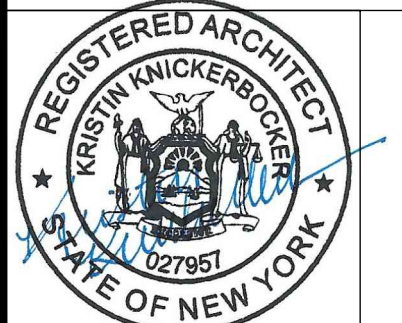
TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



REGISTRATION EXPIRES: 12/31/2023

CONTRACT:

HVAC

TITLE: REPLACE HEATING SYSTEM OFFICE AND GARAGE

LOCATION: DOT REGION 8, DUTCHESS COUNTY HOLLOW RD AND TACONIC PARKWAY CLINTON CORNERS, NY 12514

CLIENT: DEPARTMENT OF TRANSPORTATION

ADDENDUM DRAWING 05/08/2023

MARK	DATE	DESCRIPTION
	05/08/2023	ADDENDUM 1

PROJECT NUMBER:	47208 - H
DESIGNED BY:	SS
DRAWN BY:	SS
FIELD CHECK:	
APPROVED:	KK

SHEET TITLE:  
 SOFFIT DETAILS

DRAWING NUMBER:  
 A-503

SHEET OF



ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

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REGISTRATION EXPIRES: 10/31/23

CONTRACT:

**ELECTRICAL**

TITLE: REPLACE HEATING SYSTEM OFFICE & GARAGE

LOCATION: DOT REGION 8, DUTCHESS COUNTY HOLLOW RD AND TACONIC PARKWAY CLINTON CORNERS, NY

CLIENT:

DEPARTMENT OF TRANSPORTATION

REVISED DRAWING 05/08/2023

MARK	DATE	DESCRIPTION
1	05/08/2023	ADDENDUM 1
	04/11/2023	BID DOCUMENTS

PROJECT NUMBER:	47208 - E
DESIGNED BY:	SC
DRAWN BY:	SC
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

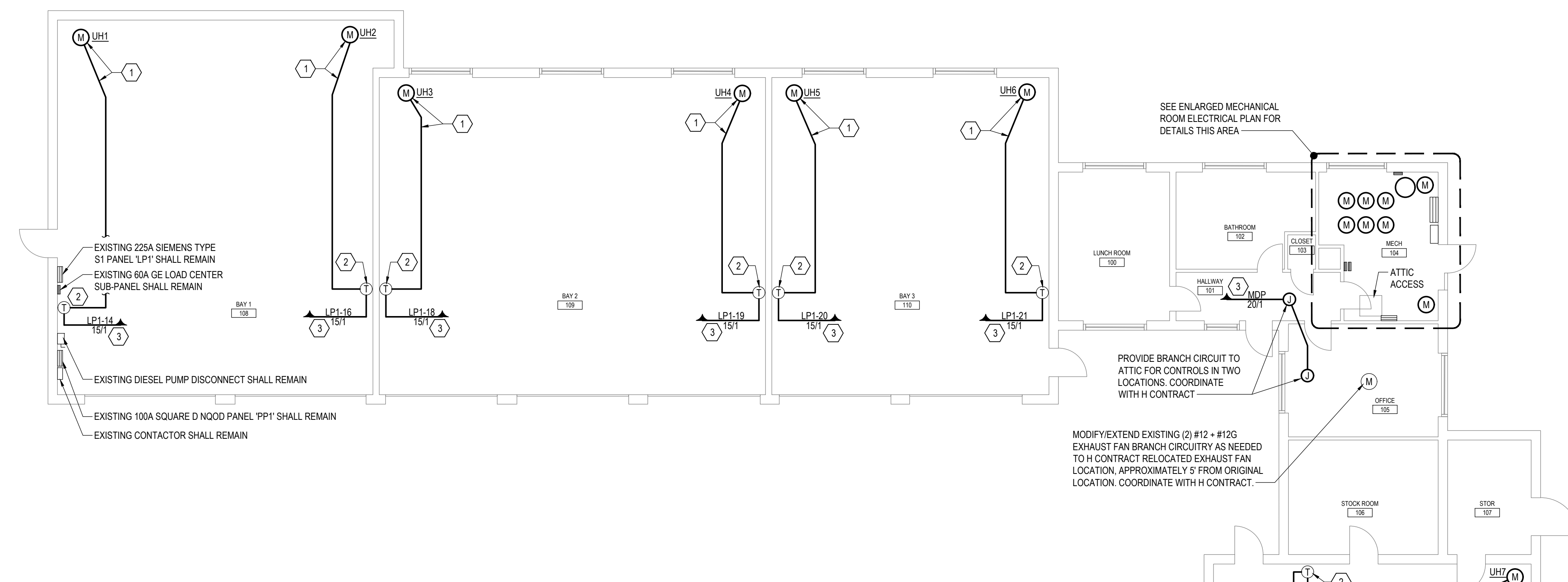
FIRST FLOOR ELECTRICAL PLAN

DRAWING NUMBER:

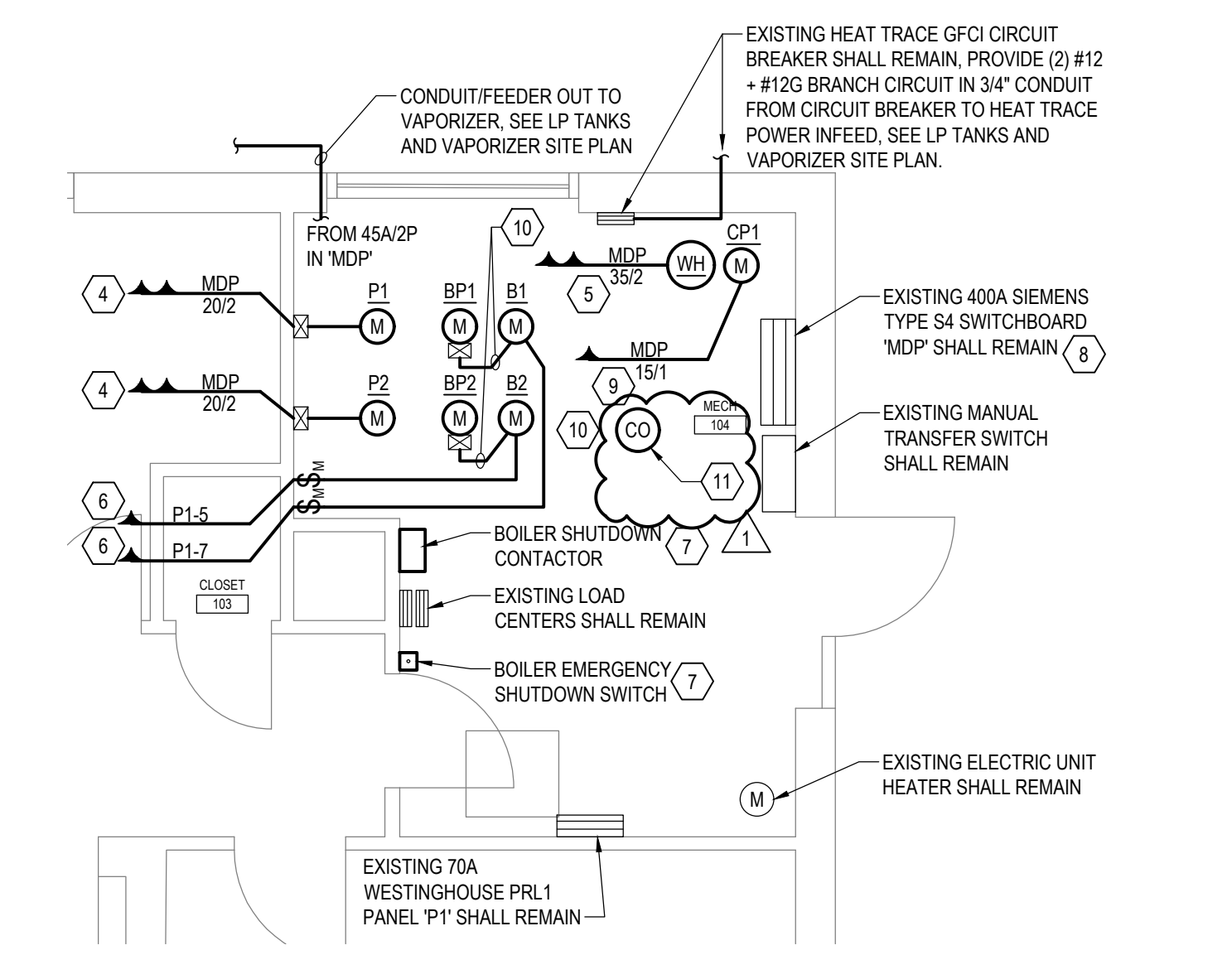
E-101

GENERAL NOTES

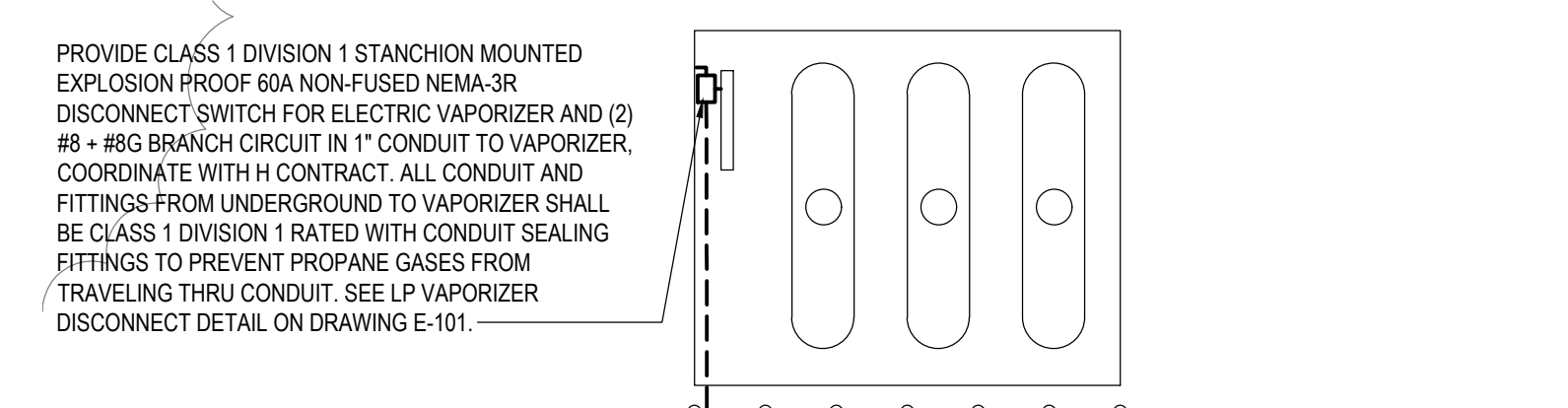
- COORDINATE WITH DIRECTOR'S REPRESENTATIVE FOR DOWNTIME ON REPLACEMENT OF CIRCUIT BREAKERS OR ANY ASSOCIATED ACTIVITIES ON EXISTING ELECTRICAL PANEL BOARDS (TYPICAL).
- ALL WIRING 120V AND ABOVE SHALL BE WITHIN CONDUIT. UTILIZE RGS WHERE EXPOSED, EMT ABOVE CEILINGS OR CONCEALED WITHIN WALLS.
- FIRESTOP PENETRATIONS THRU WALLS SEPARATING THE OFFICE SPACE FROM GARAGE BAYS AND THE WALLS LOCATED BETWEEN GARAGE BAYS, REFER TO SPECIFICATION SECTION 078400.



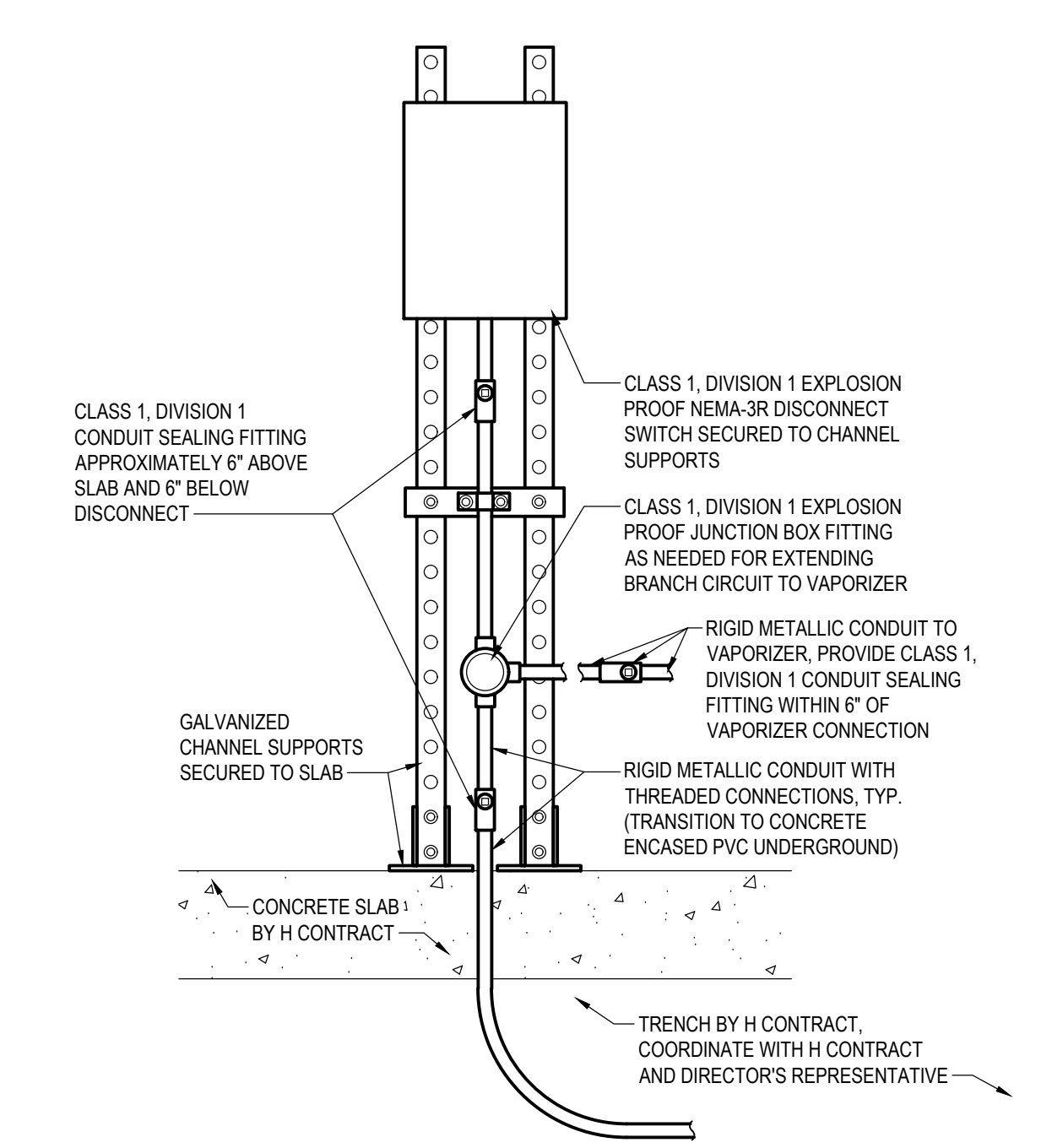
1 FIRST FLOOR ELECTRICAL PLAN  
SCALE: 1/8" = 1'-0"



2 ENLARGED MECHANICAL ROOM ELECTRICAL PLAN  
SCALE: 1/4" = 1'-0"



3 LP TANKS AND VAPORIZER SITE PLAN  
SCALE: 3/32" = 1'-0"



4 LP VAPORIZER DISCONNECT DETAIL  
SCALE: NOT TO SCALE

- NOTES:
- ENTIRE ELECTRICAL INSTALLATION AT PROPANE TANKS SHALL COMPLY WITH NEC 501 REQUIREMENTS FOR A CLASS 1, DIVISION 2 HAZARDOUS LOCATION.
  - ALL CONDUIT FITTINGS, BOXES AND CONDUIT UTILIZED WITHIN 15' OF PROPANE TANKS SHALL COMPLY WITH CLASS 1, DIVISION 1 REQUIREMENTS.

KEYED NOTES

- PROVIDE (2) #12 + #12G BRANCH CIRCUIT IN 3/4" CONDUIT TO INTEGRAL DISCONNECT SWITCH AND ASSOCIATED CONTROL DEVICES OF UNIT HEATER FROM LINE VOLTAGE THERMOSTAT (SEE KEYED NOTE 2). COORDINATE WITH H CONTRACT. REFER TO DRAWING E-001 DETAIL 4 FOR FURTHER DETAILS.
- PROVIDE BRANCH CIRCUIT AS SHOWN TO H CONTRACT FURNISHED LINE VOLTAGE THERMOSTAT AND THRU TO UNIT HEATER AND ASSOCIATED CONTROL DEVICES. E CONTRACT SHALL INSTALL LINE VOLTAGE THERMOSTAT IN COORDINATION WITH H CONTRACT. REFER TO DRAWING E-001 DETAIL 4 FOR FURTHER DETAILS.
- PROVIDE (2) #12 + #12G BRANCH CIRCUIT IN 3/4" CONDUIT FROM SWITCHBOARD MDP TO PUMP VIA H CONTRACT PROVIDED MOTOR STARTER. COORDINATE WITH H CONTRACT. PROVIDE CIRCUIT BREAKER SHOWN IN EXISTING SWITCHBOARD SPACE. SEE KEYED NOTE 8 FOR SWITCHBOARD MDP DETAILS.
- PROVIDE (2) #8 + #8G BRANCH CIRCUIT IN 1" CONDUIT FROM SWITCHBOARD MDP TO WATER HEATER. COORDINATE WITH H CONTRACT. PROVIDE CIRCUIT BREAKER SHOWN IN EXISTING SWITCHBOARD SPACE. SEE KEYED NOTE 8 FOR SWITCHBOARD MDP DETAILS.
- PROVIDE (2) #12 + #12G BRANCH CIRCUIT IN 3/4" CONDUIT VIA 20A MOTOR RATED SWITCH (E CONTRACT PROVIDED) TO BOILER FROM EXISTING PANELBOARD CIRCUIT BREAKER SHOWN MADE SPARE BY REMOVALS. ROUTE EACH BOILER CIRCUIT THRU CONTACTOR FOR BOILER EMERGENCY SHUTOFF. SEE BOILER SHUTDOWN DETAIL ON DRAWING E-001 FOR WIRING AND FURTHER DETAILS.
- PROVIDE EMERGENCY SHUTDOWN SWITCH, CONTACTOR AND ALL ASSOCIATED WIRING AND HARDWARE FOR SIMULTANEOUS SHUTDOWN OF BOTH BOILERS. SEE BOILER SHUTDOWN DETAIL ON DRAWING E-001 FOR WIRING AND FURTHER DETAILS.
- REMOVE EXISTING BLANK COVERPLATES IN EXISTING SIEMENS TYPE S4 120/240V SINGLE PHASE 3-WIRE SWITCHBOARD (CAT. NO. S4A75JX400FBS) TO ENABLE INSTALLATION OF CIRCUIT BREAKERS REQUIRED. PROVIDE COVERPLATE OVER SPACE TO ACCOMMODATE CIRCUIT BREAKERS. SEE DRAWING E-001 DETAIL 5.
- PROVIDE (2) #12 + #12G BRANCH CIRCUIT IN 3/4" CONDUIT VIA H CONTRACT PROVIDED TIMER AND ADJUSTAT FROM SWITCHBOARD MDP. COORDINATE WITH H CONTRACT. PROVIDE CIRCUIT BREAKER SHOWN IN EXISTING SWITCHBOARD SPACE. SEE KEYED NOTE 8 FOR SWITCHBOARD MDP DETAILS.
- PROVIDE (2) #12 + #12G BRANCH CIRCUIT IN 3/4" CONDUIT FROM BOILER CONTROLLER TO BOILER PUMP CONTROLLER. COORDINATE WITH H CONTRACT.
- PROVIDE STAND ALONE CARBON MONOXIDE DETECTOR WITH LOCAL SOUNDER BASE, AND 10 YEAR BATTERY.