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# Architectural Resources

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## CLIENT

**CORNELL UNIVERSITY**  
121 HUMPHREYS BUILDING  
ITHACA, NY 14853

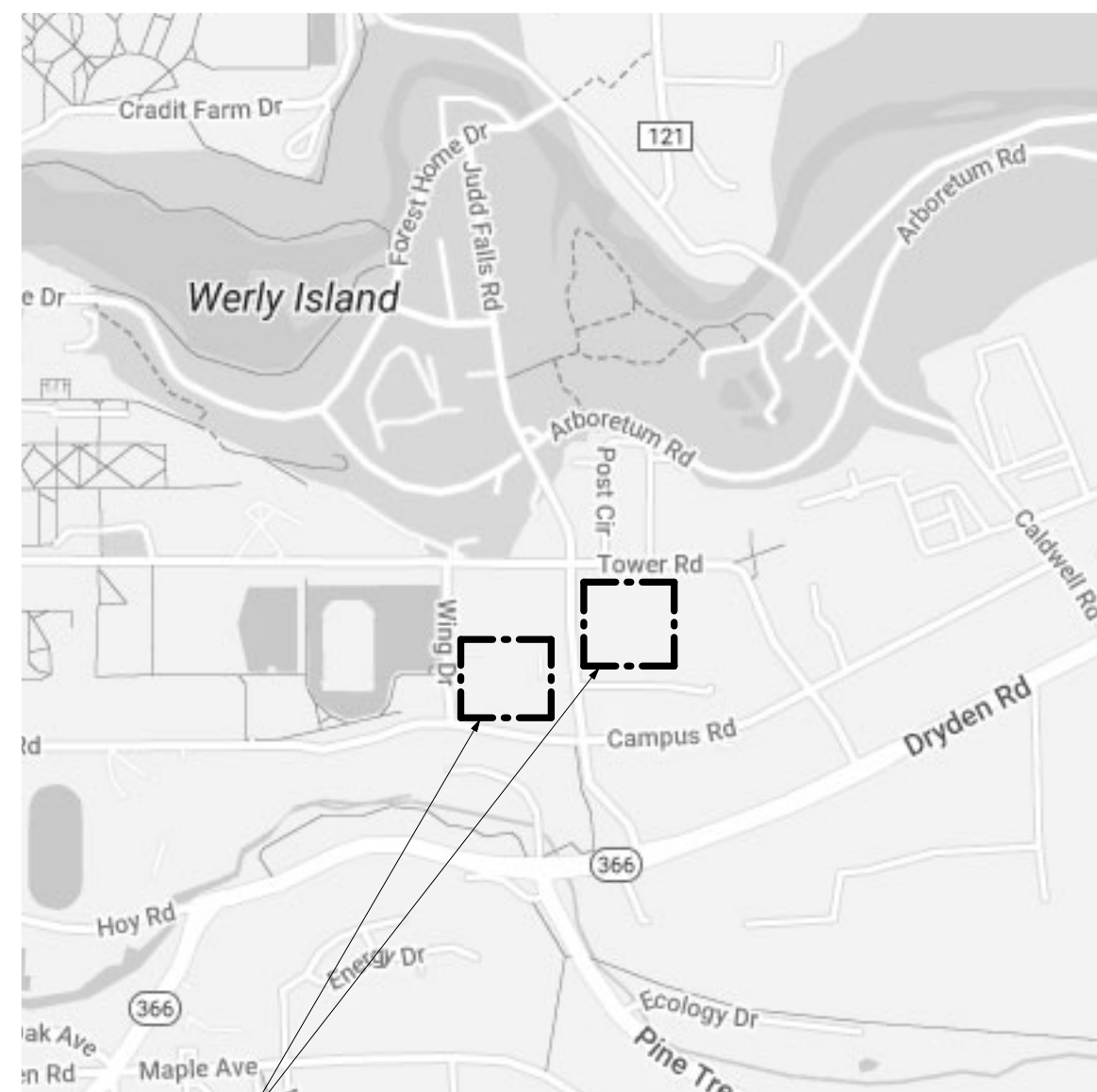
## PROJECT

**SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL**  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

## BID DOCUMENTS

10/27/2023  
A|r 190.114  
161042

## PROJECT LOCATION



SITE

## CONSULTANTS

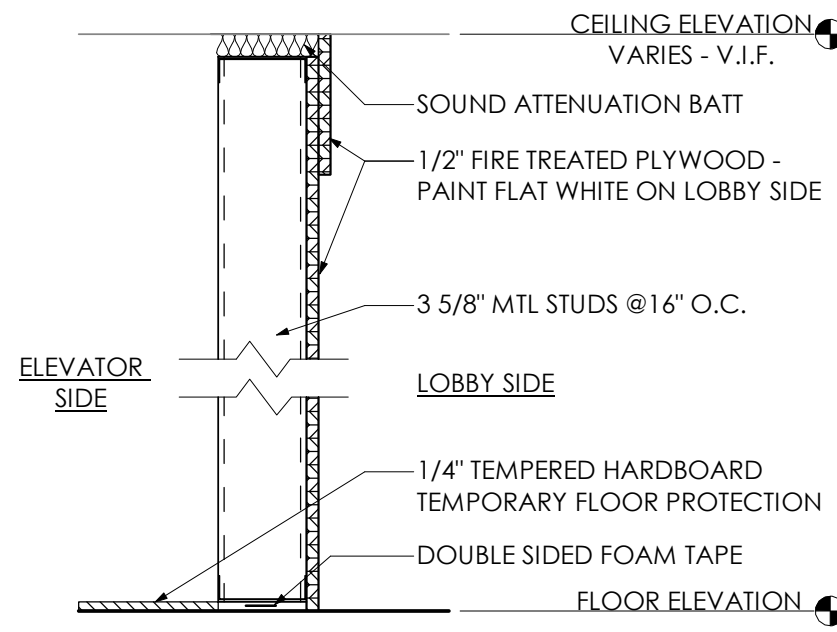
HAZARDOUS MATERIALS	STRUCTURAL	PLUMBING / MECHANICAL / ELECTRICAL
<b>SIENNA ENVIRONMENTAL</b> 350 ELMWOOD AVENUE BUFFALO, NY 14222  PHONE: 716-332-3136 FAX: 716-332-3134	<b>SPRINGLINE DESIGN</b> 73 TROY ROAD EAST GREENBUSH, NY 12061  PHONE: 518-487-4755 FAX: 518-670-0122	<b>POPLI DESIGN GROUP</b> 555 PENBROOKE DRIVE PENFIELD, NY 14526  PHONE: 585-388-2060 FAX: 585-388-2070

## DRAWING LIST

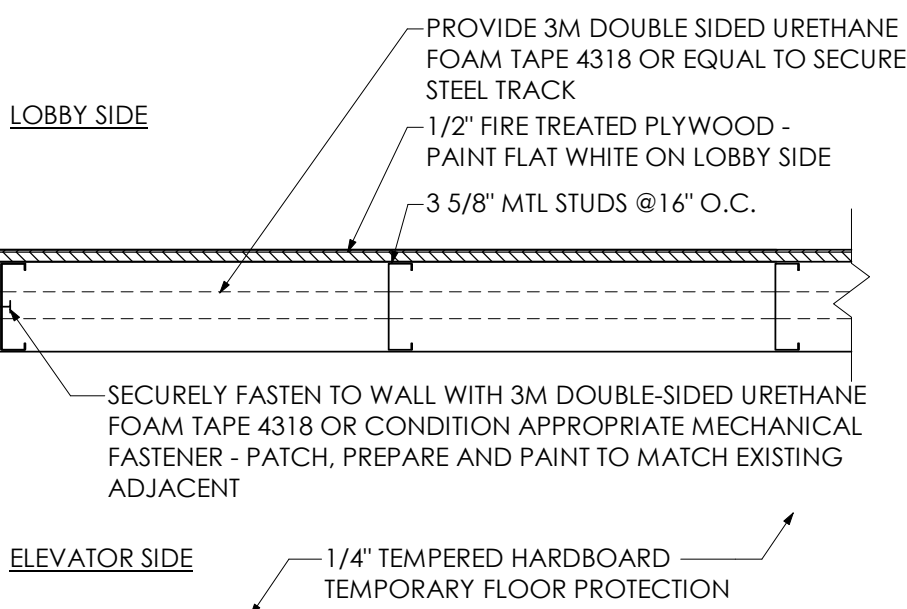
GENERAL	
G-000	COVER SHEET
G-001	SITE PLAN, LEGENDS, AND GENERAL NOTES
G-002	CODE INFORMATION, LEGEND, AND PLANS
G-101	MORRISON PARTIAL OVERALL FLOOR PLANS
G-102	RILEY ROBB PARTIAL OVERALL FLOOR PLANS
HAZARDOUS MATERIALS	
HM-101	MORRISON HAZARDOUS MATERIALS ABATEMENT PLANS
HM-102	RILEY ROBB HAZARDOUS MATERIALS ABATEMENT PLANS
STRUCTURAL	
S-401	MORRISON AND RILEY ROBB ENLARGED FLOOR PLANS AND DETAILS
ARCHITECTURAL	
A-401	MORRISON ENLARGED FLOOR PLANS AND ELEVATIONS
A-402	MORRISON ENLARGED FLOOR PLANS AND ELEVATIONS
A-403	RILEY ROBB ENLARGED FLOOR PLANS AND ELEVATIONS
A-404	RILEY ROBB ELEVATIONS AND DETAILS
A-501	MORRISON ELEVATOR DETAILS
A-502	RILEY ROBB ELEVATOR DETAILS
MECHANICAL	
M-001	MECHANICAL NOTES AND SYMBOLS
M-101	MORRISON PARTIAL OVERALL FLOOR PLANS
M-102	RILEY ROBB PARTIAL OVERALL FLOOR PLANS
ELECTRICAL	
E-001	ELECTRICAL NOTES AND SYMBOLS
ED-101	RILEY ROBB PARTIAL OVERALL ROOF PLAN
E-101	MORRISON PARTIAL OVERALL FLOOR PLANS
E-102	MORRISON PARTIAL OVERALL FLOOR PLANS
E-103	MORRISON PARTIAL OVERALL FLOOR PLANS
E-104	RILEY ROBB PARTIAL OVERALL FLOOR PLANS
E-105	RILEY ROBB PARTIAL OVERALL FLOOR PLANS
ED-401	MORRISON PARTIAL OVERALL REMOVAL FLOOR PLANS
E-401	MORRISON PARTIAL OVERALL FLOOR PLANS
ED-402	RILEY ROBB PARTIAL OVERALL REMOVAL FLOOR PLANS
E-402	RILEY ROBB PARTIAL OVERALL FLOOR PLANS
E-641	ELECTRICAL SCHEDULES/DETAILS



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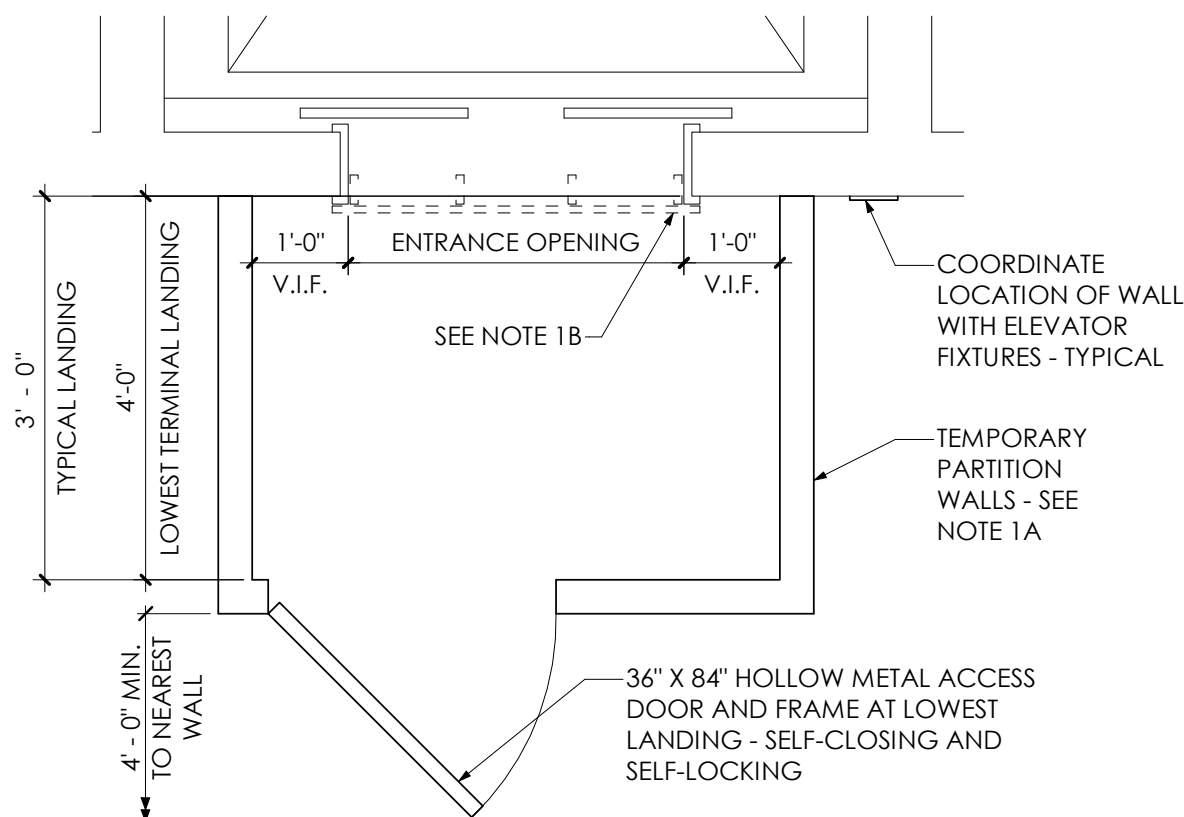
SECTION



PLAN

### 3 Temporary Partition Plan and Section

1 1/2" = 1'-0"



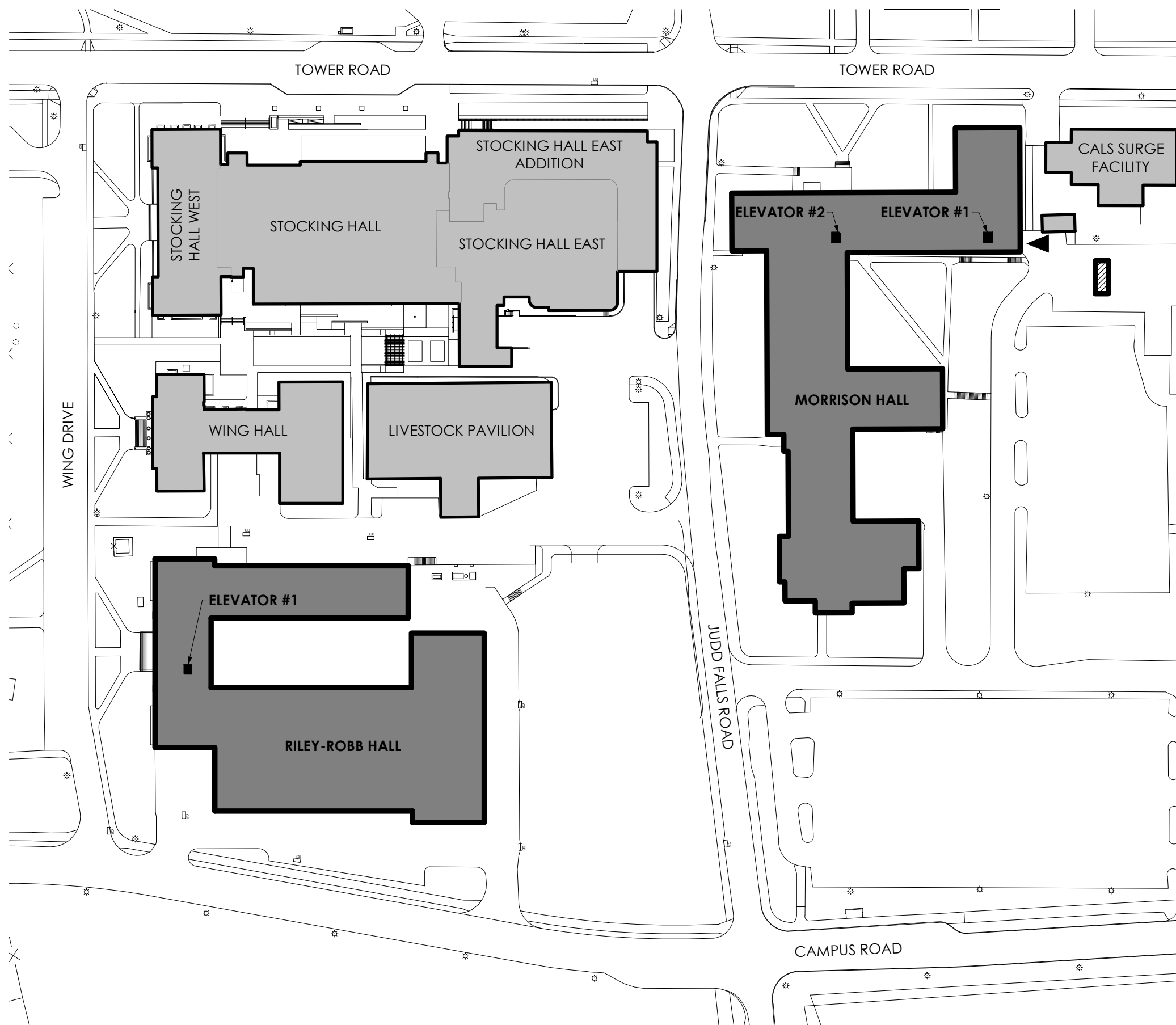
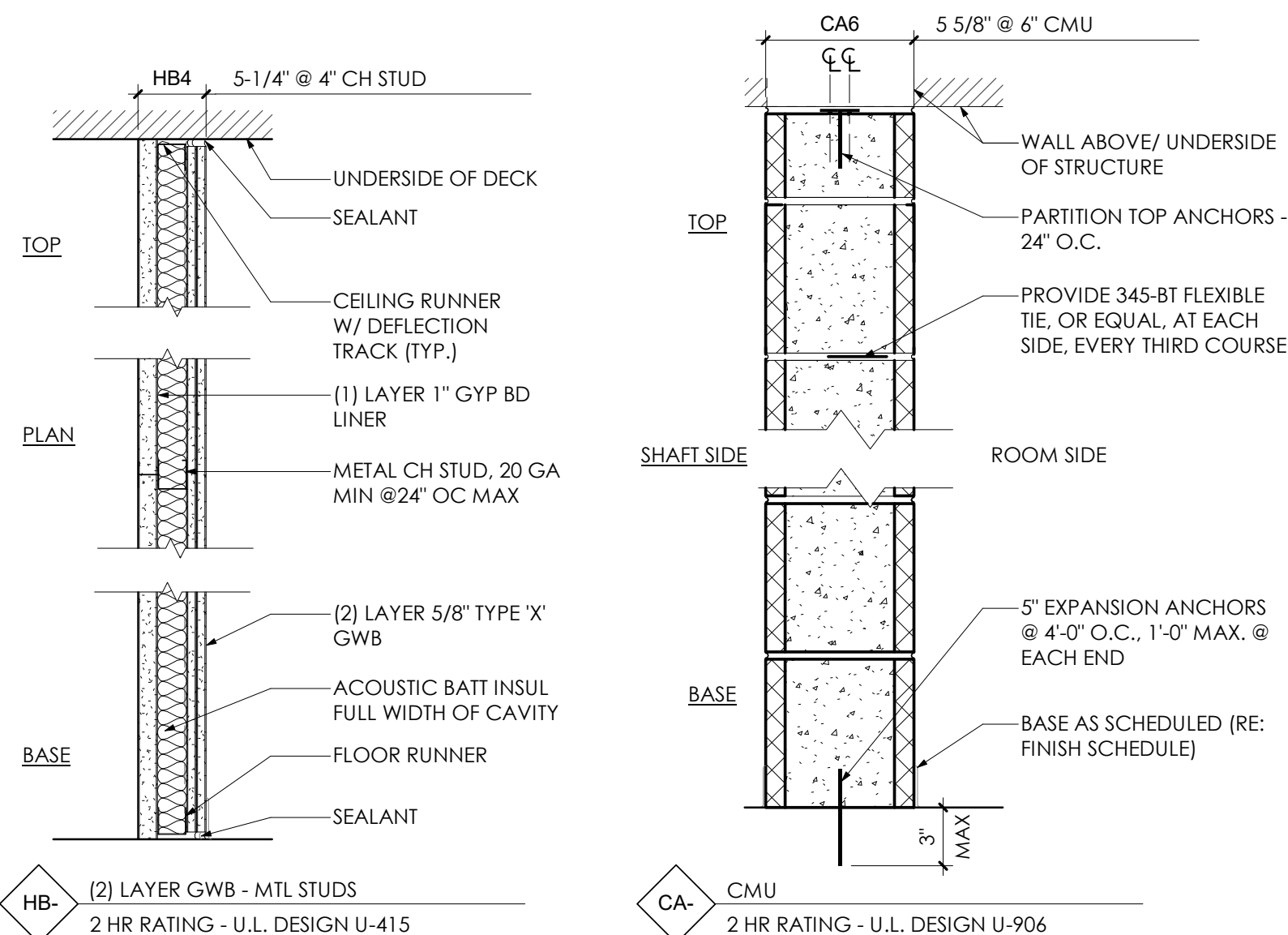
#### NOTE:

- TEMPORARY PARTITIONS SHALL BE PROVIDED AT EACH LANDING AND AT EACH ELEVATOR FOR DURATION OF CONSTRUCTION ACTIVITIES UNLESS COORDINATED WITH OWNER.
  - FIRST FLOOR: PROVIDE TEMPORARY FULL HEIGHT PARTITION W/DOOR AT HOISTWAY ENTRANCE. REFER TO DETAILS 2/G-001 AND 3/G-001.
  - ALL OTHER FLOORS: PROVIDE TEMPORARY PLYWOOD OVER HOISTWAY ENTRANCE FRAME WITH INFILL FRAMING TO SECURE PLYWOOD AT ENTRANCES PRIOR TO DOOR REMOVALS. REFER TO SIMILAR DETAIL 3/G-001. PLYWOOD AND FRAMING ARE NOT TO BE TAKEN DOWN UNTIL ENTRANCE DOORS HAVE BEEN INSTALLED.
- MAINTAIN BUILDING EGRESS AND CIRCULATION AS REQUIRED.
- TEMPORARY PARTITIONS ARE TO BE IN PLACE PRIOR TO ABATEMENT WORK.
- ZIP WALL TO BE USED FOR WORK BEING PERFORMED AT THE CORRIDOR SIDE OF THE HOISTWAYS.
- CONTRACTOR TO PROVIDE ADDITIONAL BARRICADE(S) AS/IF REQUIRED FOR FALL PROTECTION.

### 2 Temporary Partition Layout

1/2" = 1'-0"

#### Wall Types



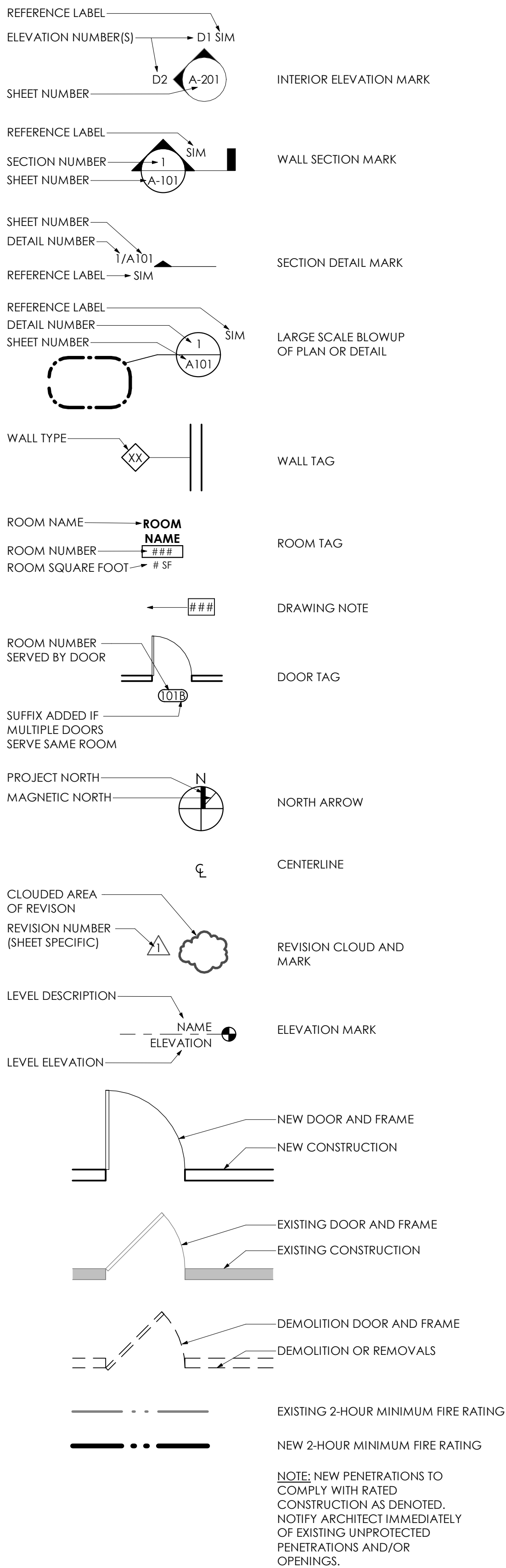
### 1 Site Plan

1" = 100'-0"

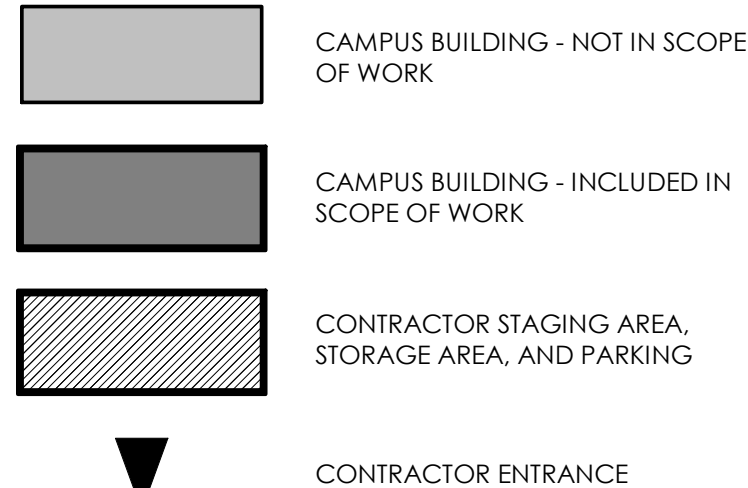
#### GENERAL NOTES

- ALL DIMENSIONS ARE TO THE FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED
- THE CONTRACTOR IS NOT TO SCALE DRAWINGS OR DETAILS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE REQUIREMENTS OF LOCAL AUTHORITIES
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.
- THE CONTRACTOR SHALL PERFORM ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS.
- SEE HAZARDOUS MATERIAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIRESTOPPING NEW PENETRATIONS TO COMPLY WITH RATED CONSTRUCTION AS DENOTED. NOTIFY ARCHITECT OF EXISTING UNPROTECTED PENETRATIONS OR OPENINGS.
- COORDINATE ALL STAGING OPERATIONS AND LOCATIONS WITH OWNER
- COORDINATE REMOVALS WITH HAZARDOUS MATERIALS ABATEMENT WORK (HM-SERIES DRAWINGS).
- ALL FIXTURES SHALL USE VANDAL RESISTANT FASTENERS UNLESS OTHERWISE NOTED.
- ANY WORK BEING PERFORMED REQUIRING A SHUTDOWN OF ANY PORTION OF THE BUILDING OR ONE OF ITS SYSTEMS, I.E. STAIRWELLS, CORRIDORS, ELECTRICAL, MECHANICAL, FIRE ALARM, ETC. ARE TO BE COORDINATED WITH, AND APPROVED IN ADVANCE BY, THE FACILITY PRIOR TO BEING SHUT DOWN. ALL REQUESTS ARE TO BE IN WRITING AND ALLOW FOR ADEQUATE TIME FOR THE FACILITY TO REVIEW THE IMPACT AND DURATION ASSOCIATED WITH THE SHUTDOWN.
- ALL WORK PERFORMED AT THE ROOF SHALL BE PERFORMED IN SUCH A WAY AS TO KEEP THE BUILDING ENVELOPE WEATERTIGHT DURING CONSTRUCTION – BUILDING ENVELOPE SHALL BE WEATERTIGHT BY TEMPORARY OR PERMANENT MEANS BY THE CLOSE OF EACH DAY.

#### DRAWING ANNOTATION LEGEND



#### SITE PLAN LEGEND



A

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507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853



#### BID DOCUMENTS

10/27/2023

NO.	DESCRIPTION	DATE

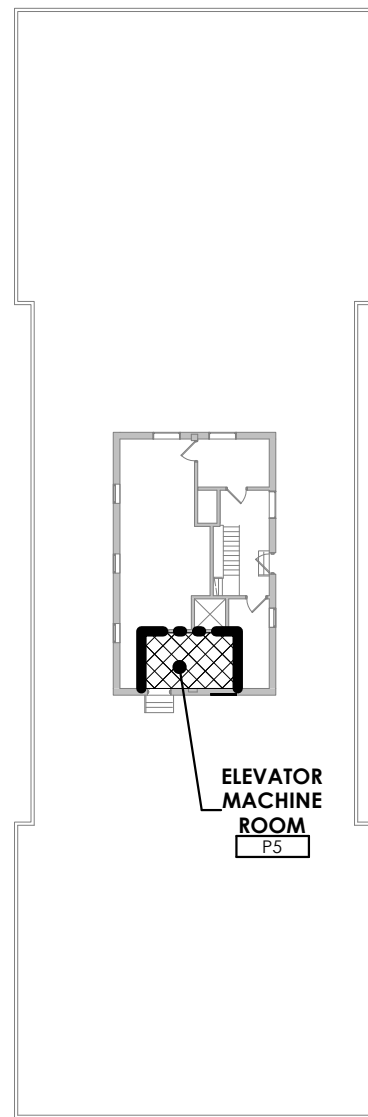
#### SITE PLAN, LEGENDS, AND GENERAL NOTES

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DRAWN BY: CMV  
SHEET NO:

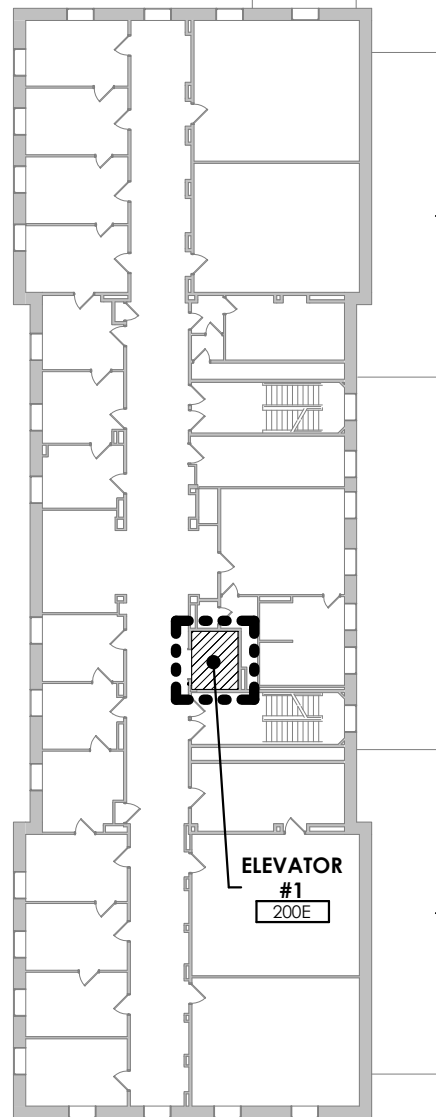
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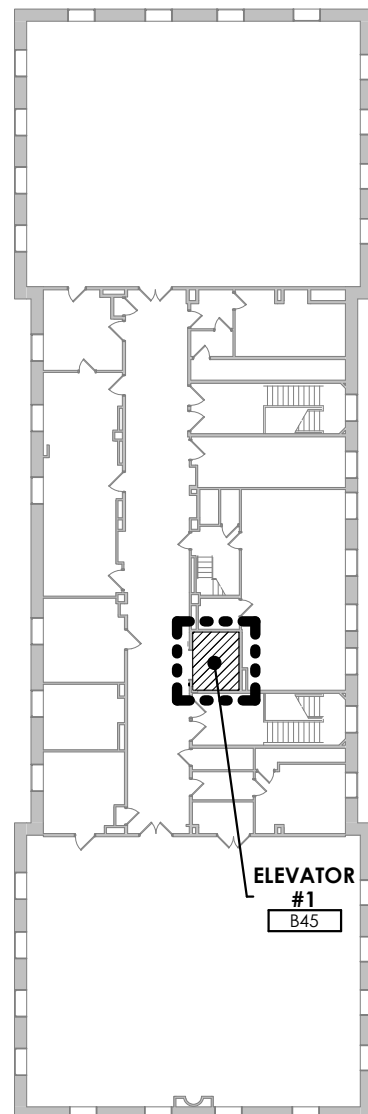
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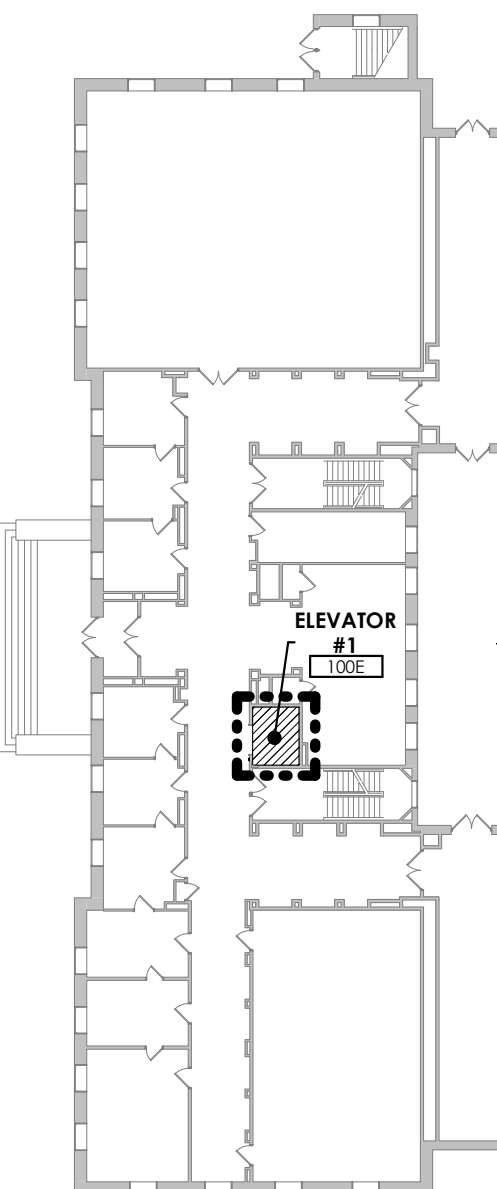
Partial Overall Penthouse Plan  
- Riley-Robb Hall



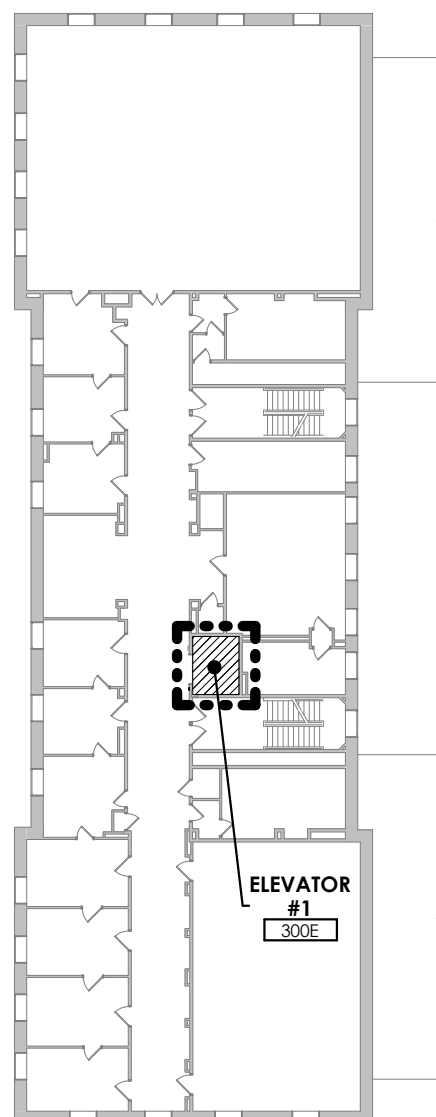
Partial Overall Second Floor Plan  
- Riley-Robb Hall



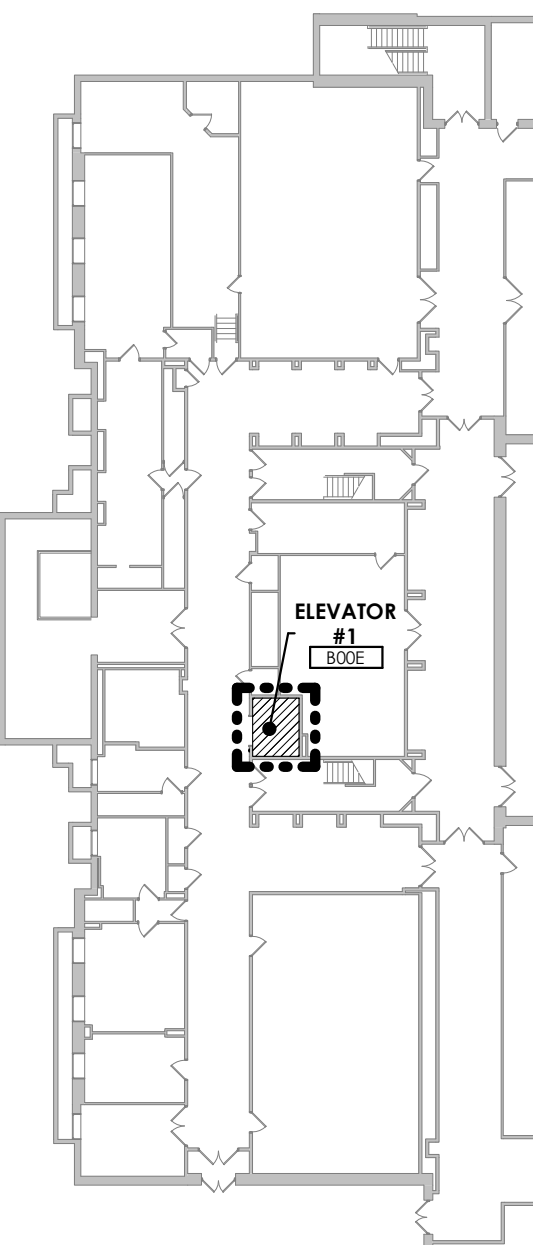
Partial Overall Fourth Floor Plan  
- Riley-Robb Hall



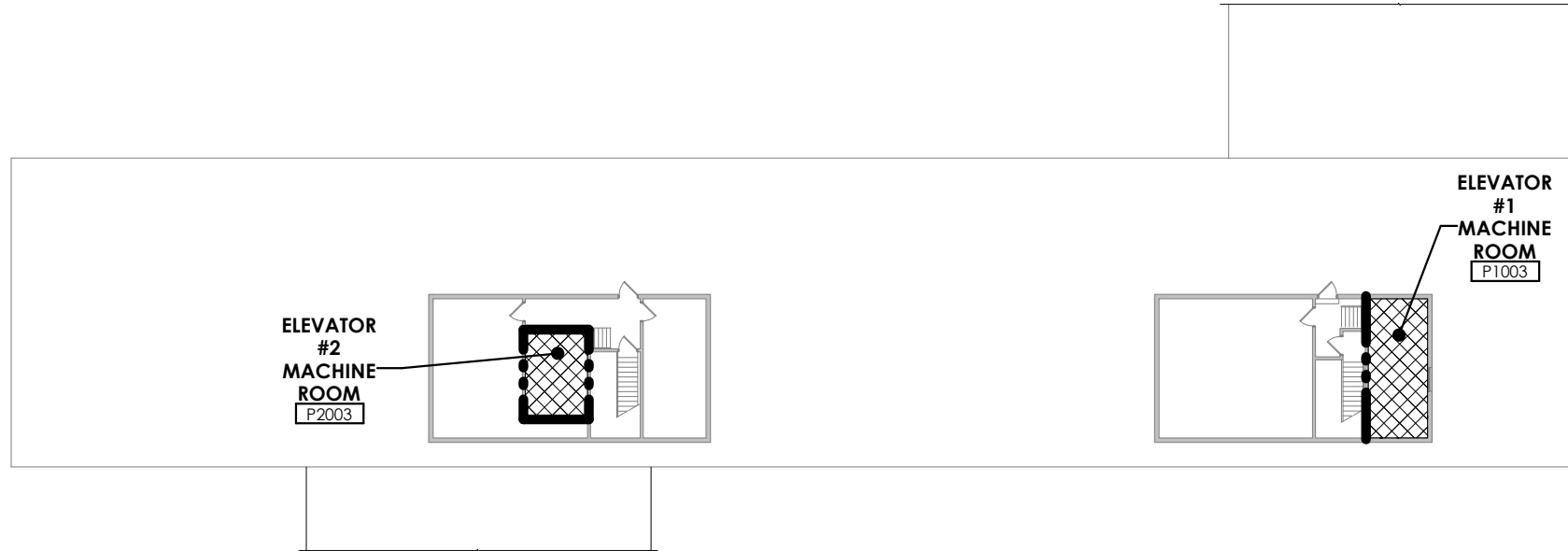
Partial Overall First Floor Plan  
- Riley-Robb Hall



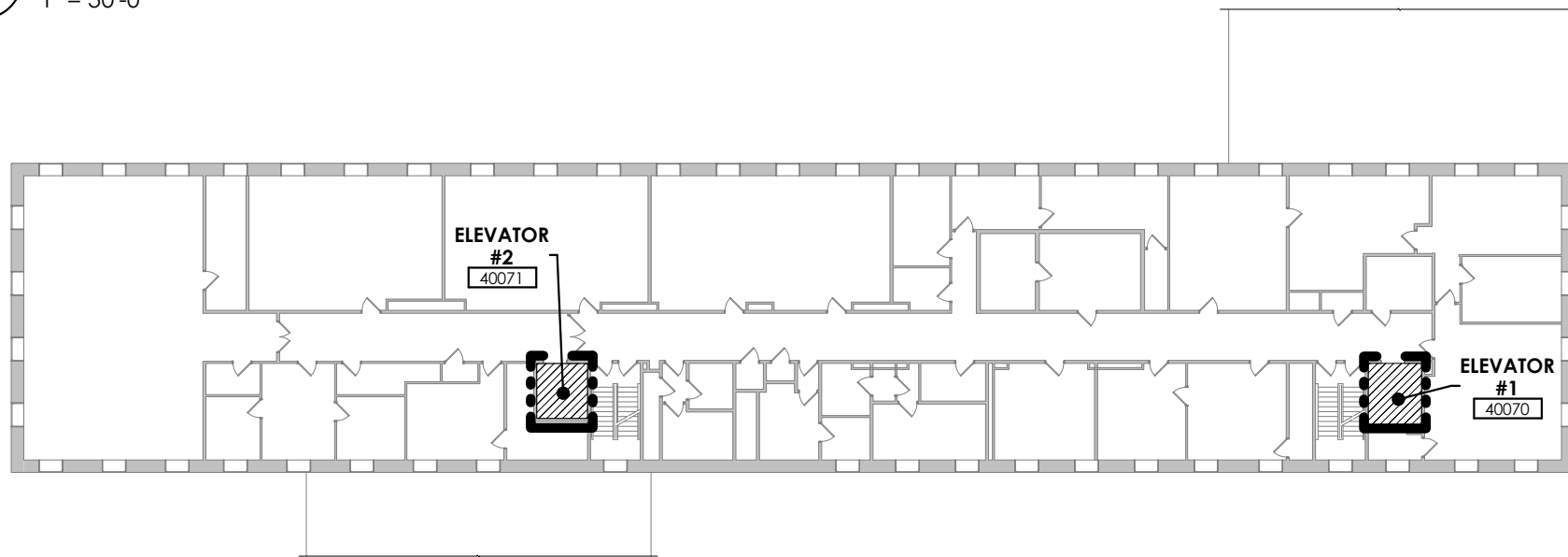
Partial Overall Third Floor Plan  
- Riley-Robb Hall



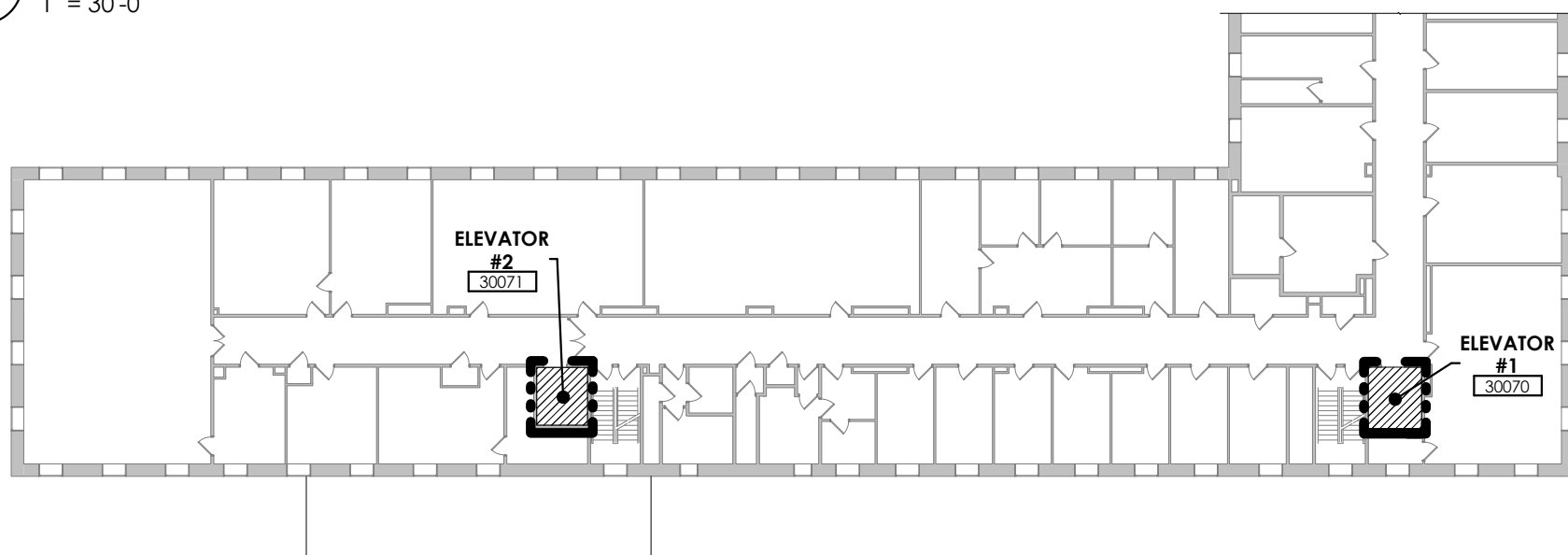
Partial Overall Basement Floor Plan  
- Riley-Robb Hall



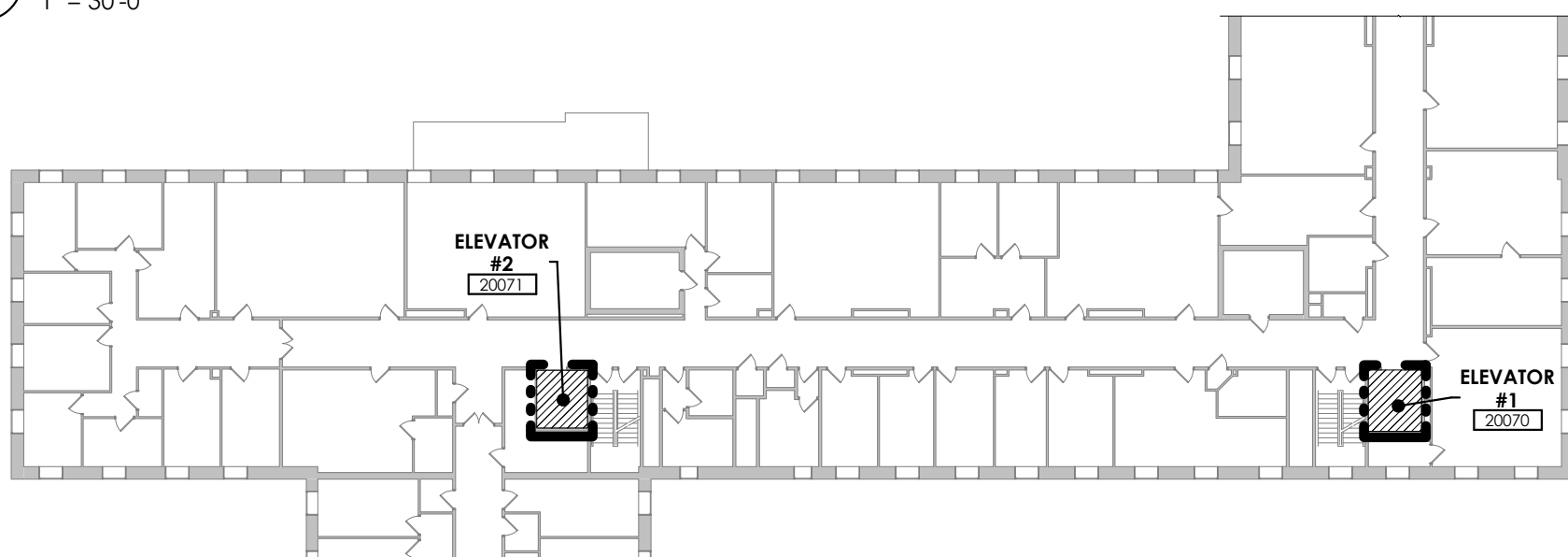
Partial Overall Penthouse Plan - Morrison Hall



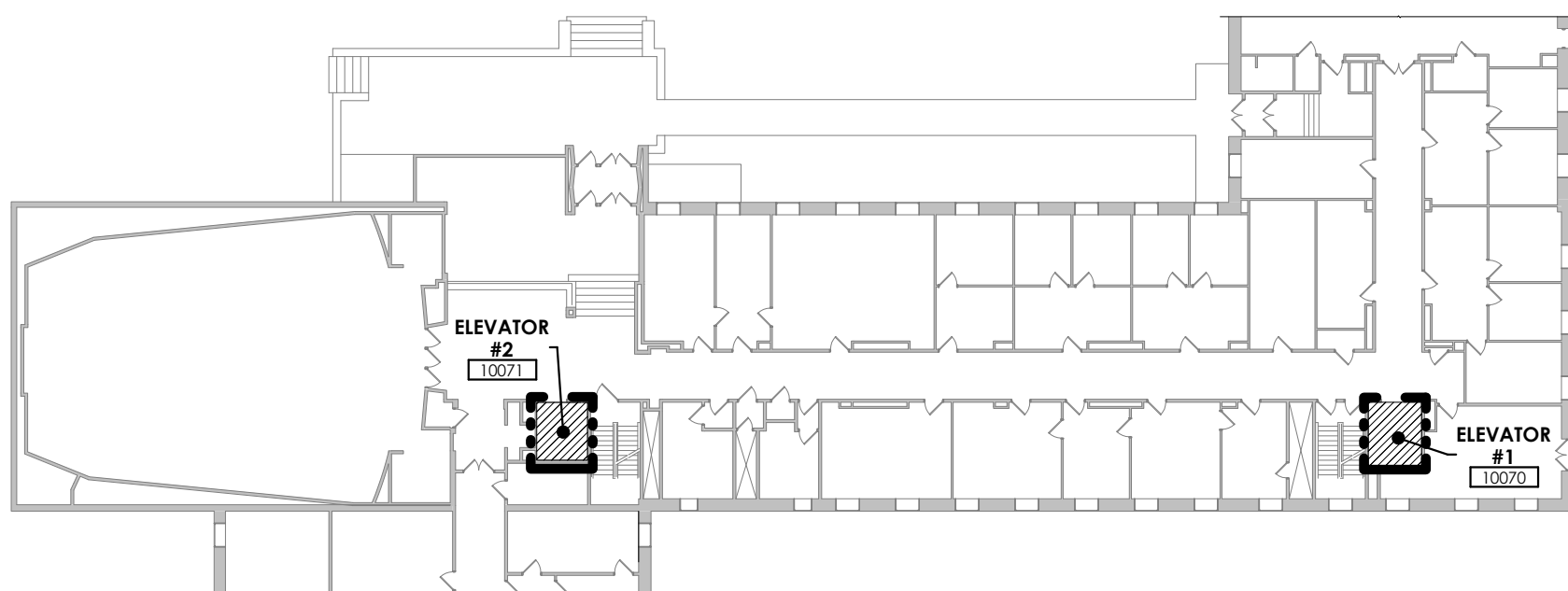
Partial Overall Fourth Floor Plan - Morrison Hall



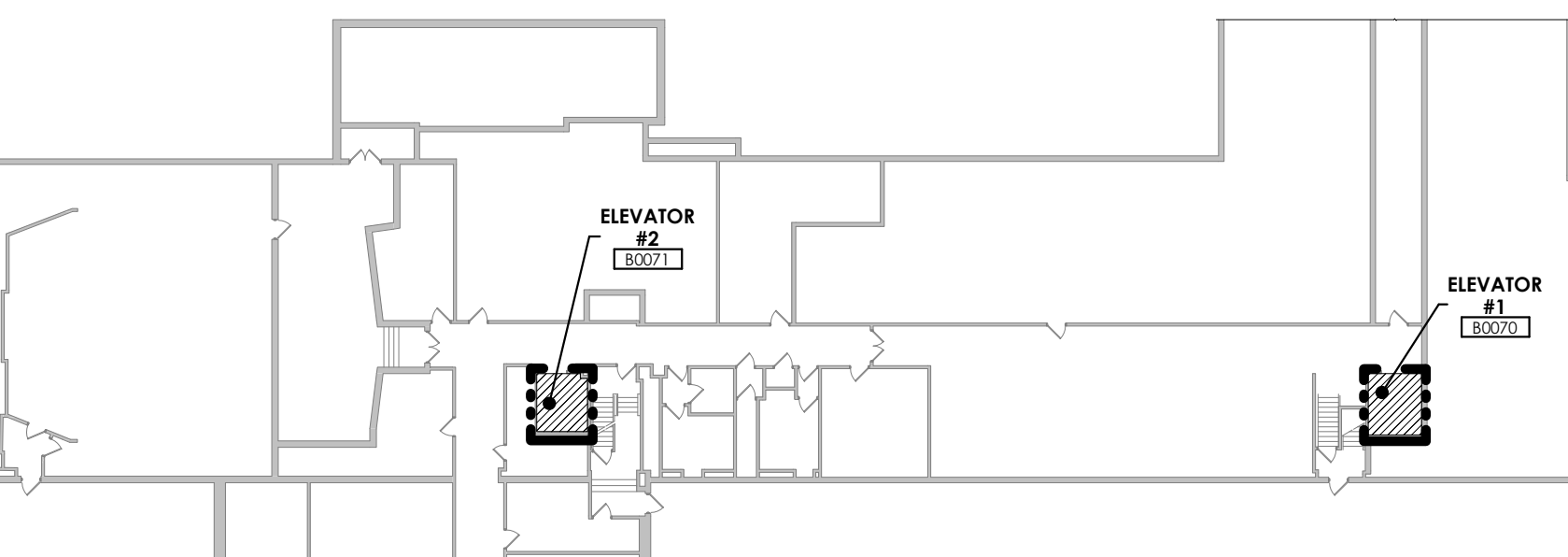
Partial Overall Third Floor Plan - Morrison Hall



Partial Overall Second Floor Plan - Morrison Hall



Partial Overall First Floor Plan - Morrison Hall



Partial Overall Basement Floor Plan - Morrison Hall

## CODE INFORMATION

### APPLICABLE BUILDING CODES:

- UNIFORM FIRE PREVENTION AND BUILDING CODE:**
- A. 2020 BUILDING CODE OF NEW YORK STATE
  - B. 2020 EXISTING BUILDING CODE OF NEW YORK STATE
  - C. 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE
  - D. NFPA 70 NATIONAL ELECTRICAL CODE - 2017
  - E. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE - 2016
  - F. NFPA 101 LIFE SAFETY CODE - 2018
  - G. 2020 MECHANICAL CODE OF NEW YORK STATE
  - H. 2020 PLUMBING CODE OF NEW YORK STATE
  - I. ASME A17.1 ELEVATOR CODE - 2016
  - J. ICC A117.1-2009
  - K. 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

PORTABLE FIRE EXTINGUISHERS PROVIDED:  
- (ASME A17.1 - 2016, SECTION 8.6.1.6.5): CLASS ABC  
- (BCNYS 906): REQUIRED

### EXITING:

- A. EXISTING MEANS OF EGRESS SHALL NOT BE MODIFIED BY THE USE OF TEMPORARY PARTITIONS DURING THE PERFORMANCE OF THIS CONTRACT. TEMPORARY PARTITIONS HAVE BEEN REFLECTED ON THE CONTRACT DRAWINGS AND ARE LIMITED TO THE PROTECTION OF "HOISTWAY OPENINGS" FOR THE PERFORMANCE OF CONTRACT WORK.

### SAFEGUARDS DURING CONSTRUCTION:

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

- A. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
- B. BCNYS CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION
- C. EBCNYS CHAPTER 15 CONSTRUCTION SAFEGUARDS
- D. FCNYS CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

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

### SMOKE MITIGATION

OF THE TWO ELEVATORS AT MORRISON HALL (1958 CONSTRUCTION), ELEVATOR #1 PROVIDES A SINGLE SIDEWALL SMOKE VENT FOR SMOKE MITIGATION WHILE ELEVATOR #2 HAS NO SMOKE MITIGATION. THE ELEVATOR AT RILEY-ROBB (1950 CONSTRUCTION), HAS A SINGLE SIDEWALL SMOKE VENT TIED TO AN ACTUATOR. NO SINGLE STANDARD FOR SMOKE MITIGATION WAS USED, EVEN WITHIN THE SAME BUILDING. THE STATE BUILDING CONSTRUCTION CODE APPLICABLE TO GENERAL BUILDING CONSTRUCTION FROM 1956 WAS APPLICABLE TO MORRISON HALL AND WOULD HAVE REQUIRED COMPLIANCE WITH THE PROVISION OF SMOKE VENTING. IT IS ANTICIPATED THAT THE SAME CONSTRUCTION STANDARDS WOULD HAVE BEEN IN EXISTENCE AT THE TIME OF RILEY-ROBB'S CONSTRUCTION. FOR THIS REASON, THE SCOPE OF THIS PROJECT WILL BRING EACH ELEVATOR INTO COMPLIANCE WITH SMOKE VENT REQUIREMENTS FOR HOISTWAYS BASED ON THE USE OF THE 1956 NEW YORK STATE BUILDING CONSTRUCTION CODE (SBCC) AS ALLOWED BY THE EXCEPTION TO NYSEBC 2020, SECTION 301.3.

- 1956 SBCC: CHAPTER 402-4.6. ENCLOSURES OF EXITS, STAIRWAYS, HOISTWAYS, AND SHAFTS, SUB-SECTION K:
- HOISTWAYS SHALL BE PROVIDED WITH SMOKE VENTS EXTENDED THROUGH THE ROOF HAVING AN AREA OF AT LEAST 3.5% OF THE HOISTWAY, BUT NOT LESS THAN 35F PER ELEVATOR CAR.
  - MORRISON HALL: BOTH ELEVATOR HOISTWAYS ARE PROVIDED WITH SMOKE HATCHES EXCEEDING MINIMUM REQUIREMENTS, TERMINATING AT THE ROOF.
  - HOISTWAYS NOT EXTENDED THROUGH THE ROOF: SHALL HAVE TWO HORIZONTAL VENTS, EACH HAVING THE SAME AREA REQUIRED FOR A SINGLE VENT, TERMINATING AT DIFFERENT SIDES OF THE BUILDING.
  - RILEY-ROBB HALL: THE ELEVATOR HOISTWAY IS PROVIDED WITH TWO SMOKE VENTS MEETING THE MINIMUM SIZE REQUIREMENTS AND TERMINATING AT DIFFERENT SIDES OF THE BUILDING.

### RILEY-ROBB HALL

#### GENERAL CODE INFORMATION:

- A. RILEY-ROBB HALL
- a. USE AND OCCUPANCY CLASSIFICATION:
    - A-3: ASSEMBLY
    - B: BUSINESS (EDUCATIONAL ABOVE THE 12TH GRADE)
  - b. CLASSIFICATION OF WORK: ALTERATION LEVEL 1 AND ALTERATION LEVEL 2
  - c. TYPE OF CONSTRUCTION: IB
  - d. SPRINKLER PROTECTED: PARTIAL

#### FIRE RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):

- A. PRIMARY STRUCTURE: 2 HOURS
- B. EXTERIOR BEARING WALLS: 2 HOURS
- C. INTERIOR BEARING WALLS: 2 HOURS
- D. EXTERIOR NON-LOAD BEARING WALLS: 0 HOURS
- E. INTERIOR NON-LOAD BEARING WALLS: 0 HOURS
- F. FLOORS: 2 HOURS
- G. ROOF: 1 HOUR

#### FIRE / SMOKE SEPARATION ASSEMBLIES:

- A. EXIT ENCLOSURES (1023.2): 2 HOURS
- B. SHAFT ENCLOSURES (712 & 713): 2 HOURS
- C. CORRIDORS (TABLE 1020.1): 1 HOUR
- D. INCIDENTAL USES (TABLE 509): N/A

### MORRISON HALL

#### GENERAL CODE INFORMATION:

- A. MORRISON HALL
- a. USE AND OCCUPANCY CLASSIFICATION:
    - A-3: ASSEMBLY
    - B: BUSINESS (EDUCATIONAL ABOVE THE 12TH GRADE)
  - b. CLASSIFICATION OF WORK: ALTERATION LEVEL 1 AND ALTERATION LEVEL 2
  - c. TYPE OF CONSTRUCTION: IB (ASSUMED)
  - d. SPRINKLER PROTECTED: N/A


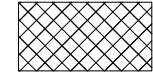

#### FIRE RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):

- A. PRIMARY STRUCTURE: 2 HOURS
- B. EXTERIOR BEARING WALLS: 2 HOURS
- C. INTERIOR BEARING WALLS: 2 HOURS
- D. EXTERIOR NON-LOAD BEARING WALLS: 0 HOURS
- E. INTERIOR NON-LOAD BEARING WALLS: 0 HOURS
- F. FLOORS: 2 HOURS
- G. ROOF: 1 HOUR

#### FIRE / SMOKE SEPARATION ASSEMBLIES:

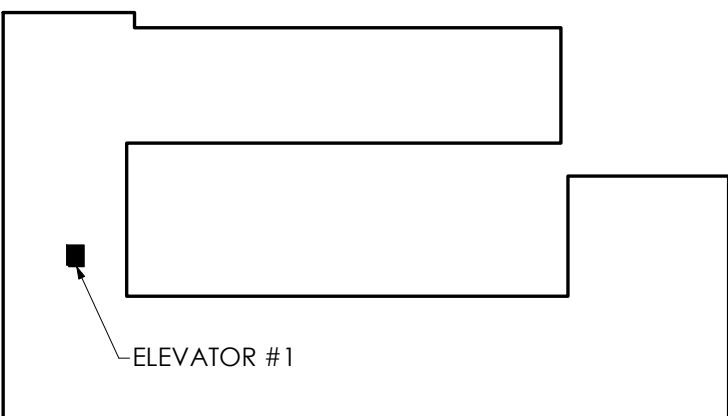
- A. EXIT ENCLOSURES (1023.2): 2 HOURS
- B. SHAFT ENCLOSURES (712 & 713): 2 HOURS
- C. CORRIDORS (TABLE 1020.1): 1 HOUR
- D. INCIDENTAL USES (TABLE 509): N/A

## Code Plan Legend

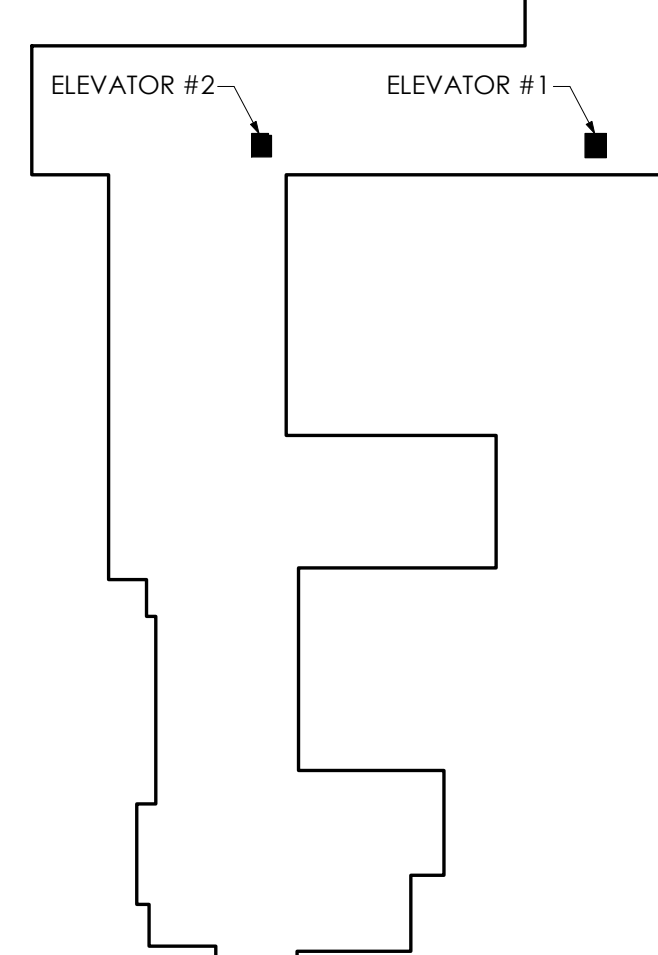
-  ALTERATION LEVEL 1
-  ALTERATION LEVEL 2
-  TWO HOUR FIRE RATING (SCHEMATIC)

## Key Plan

### RILEY-ROBB HALL



### MORRISON HALL



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SEAL



## BID DOCUMENTS

10/27/2023

### REVISIONS

NO.	DESCRIPTION	DATE

## CODE INFORMATION, LEGEND, AND PLANS

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CLIENT NO: 161042

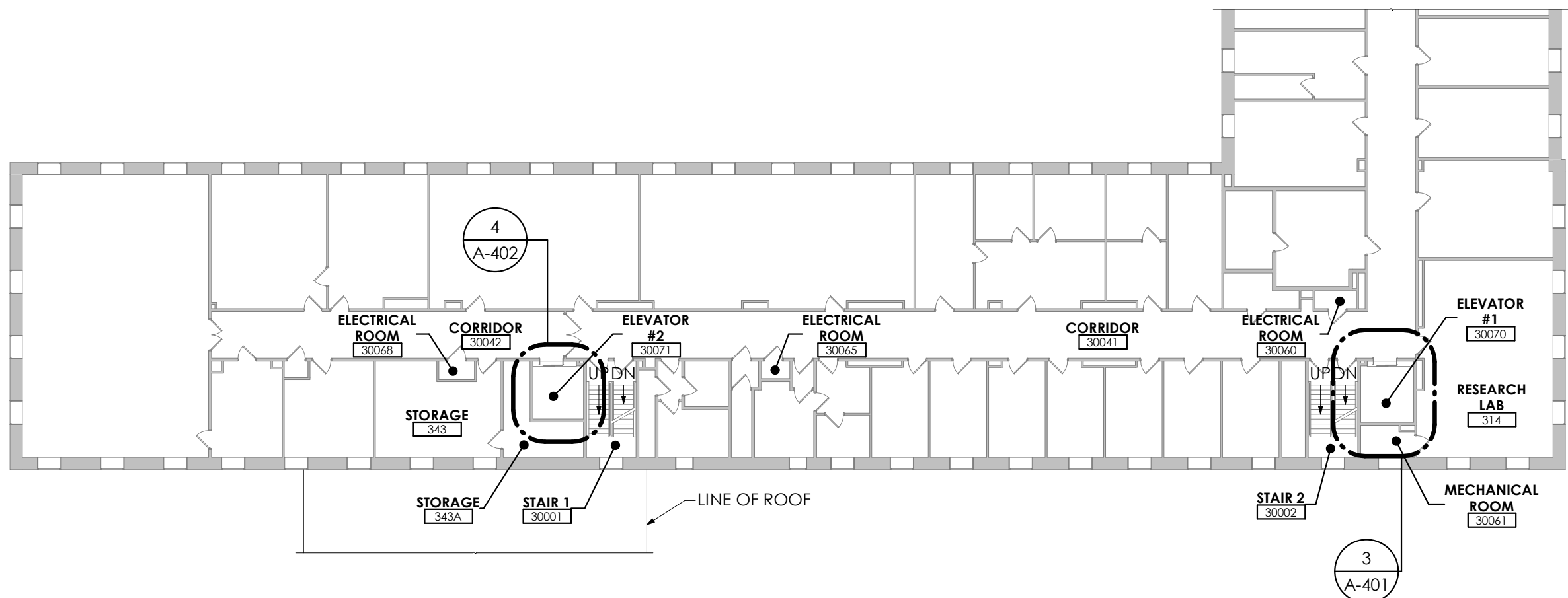
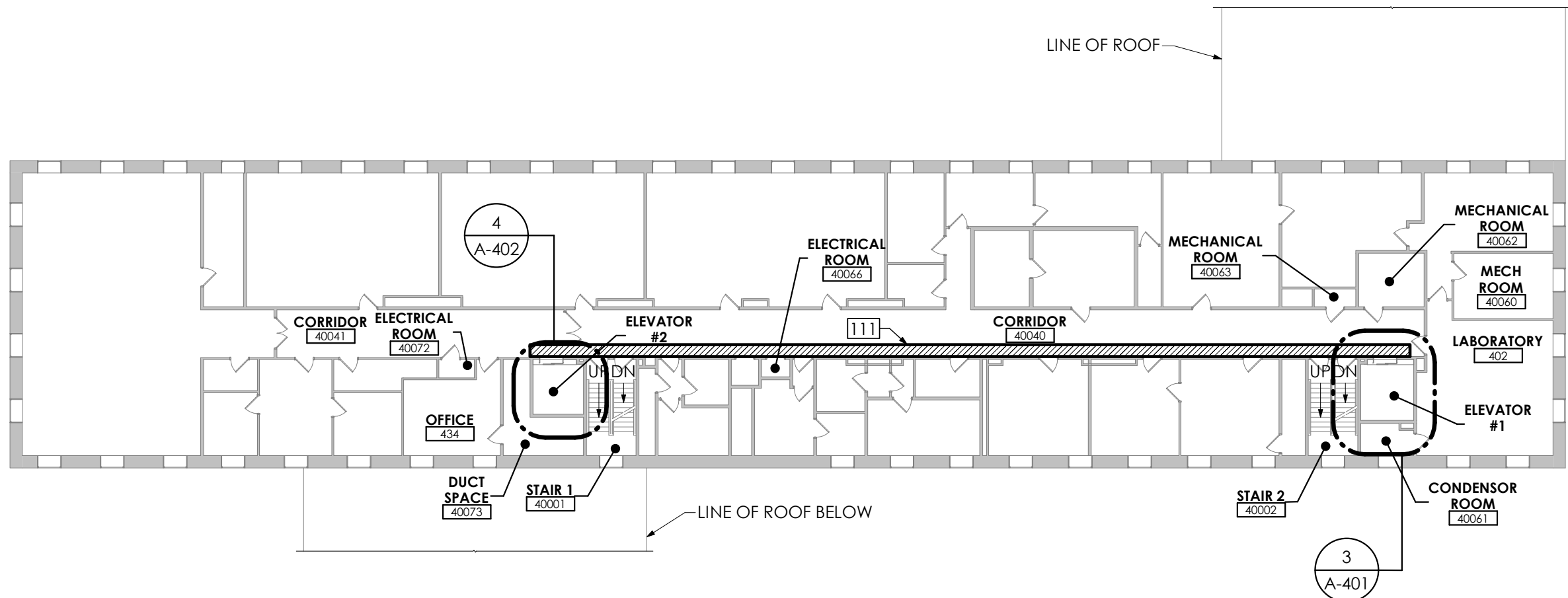
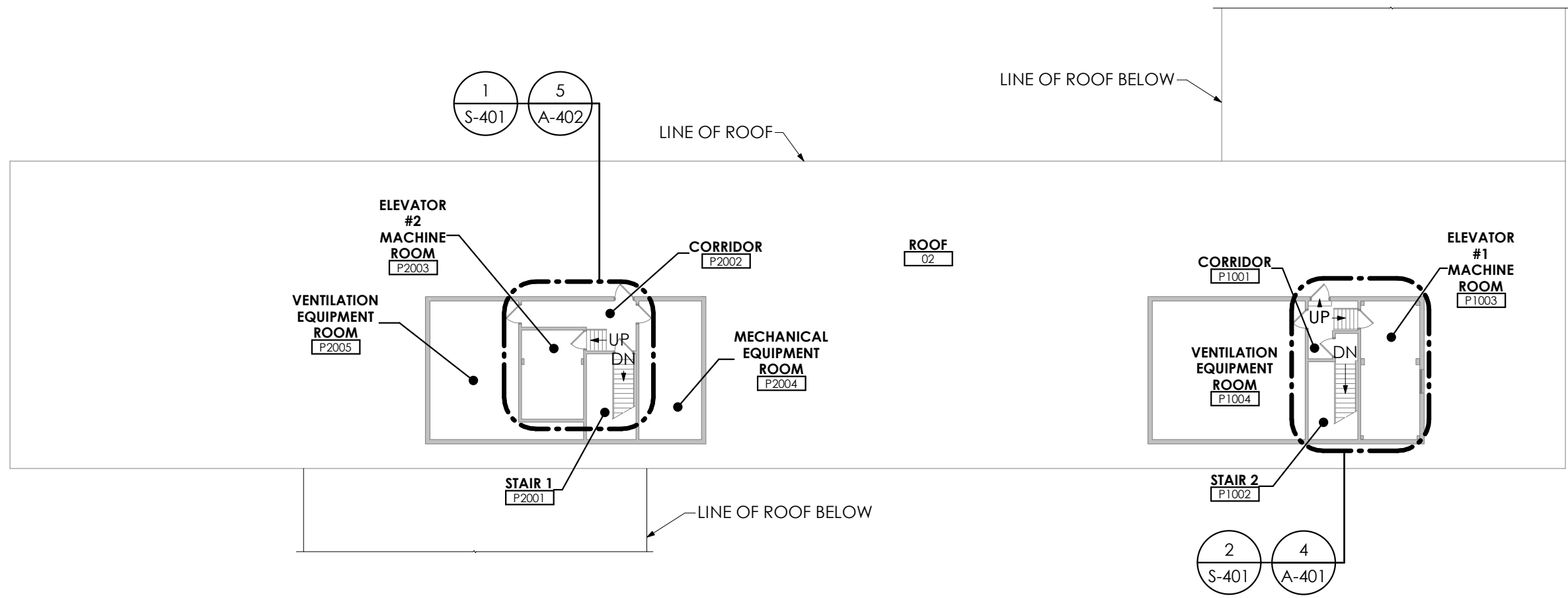
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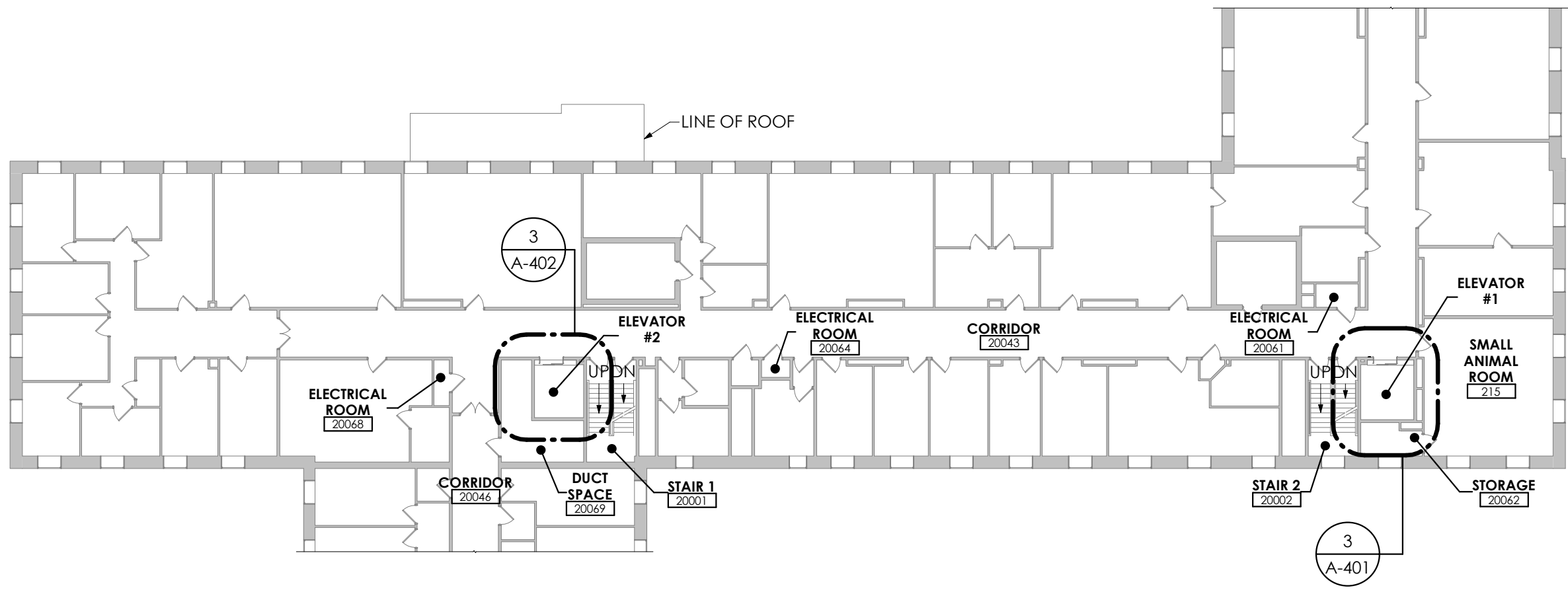
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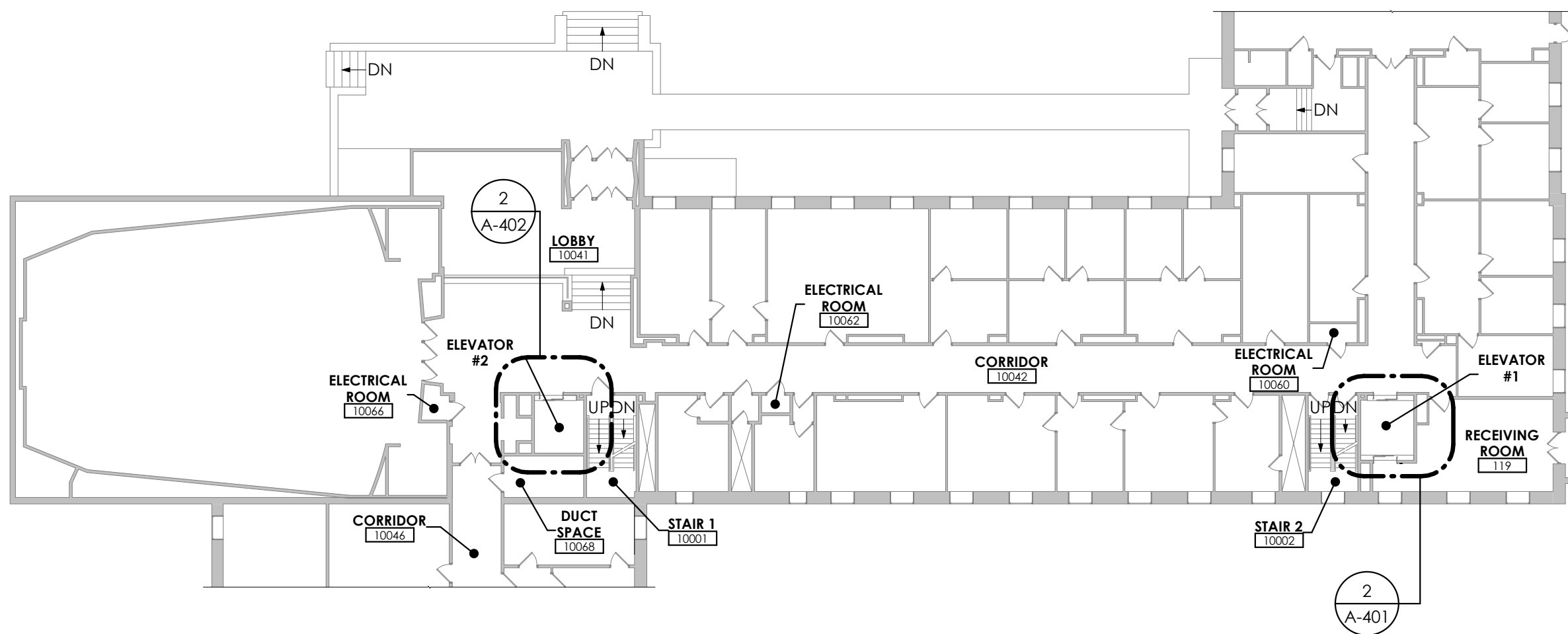
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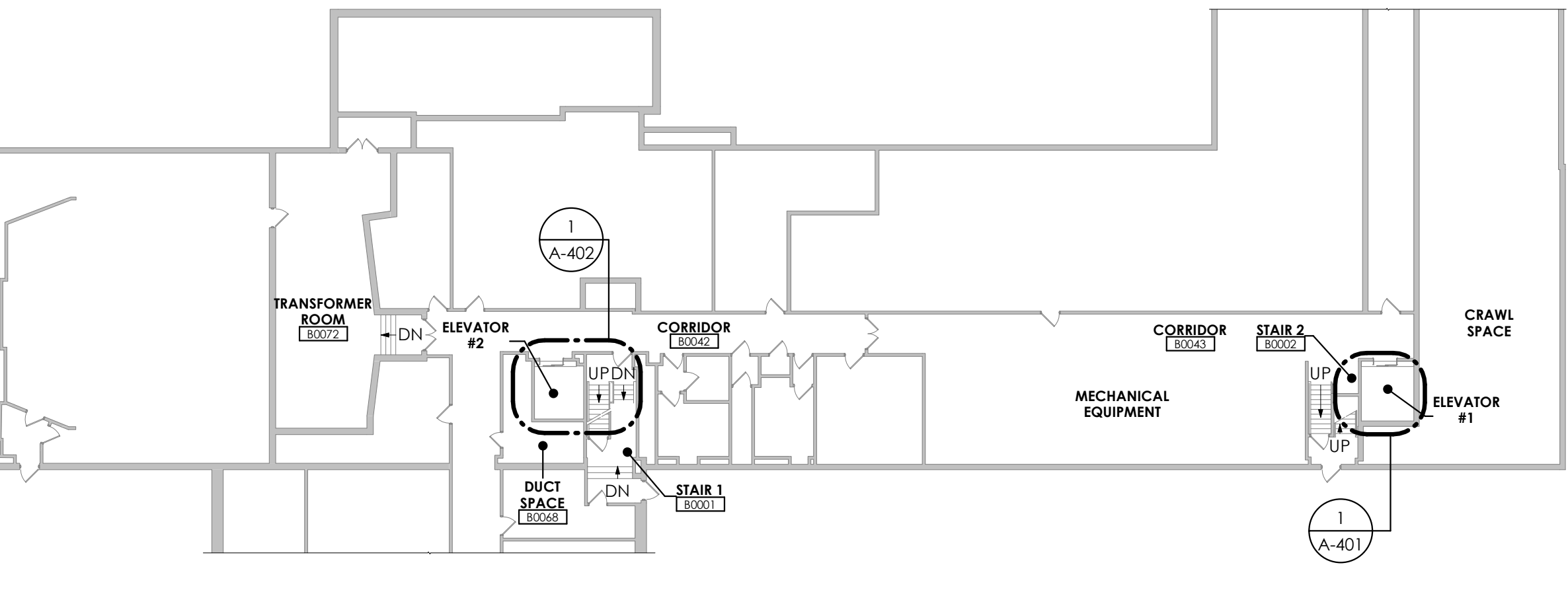
3 Partial Overall Third Floor Plan  
3/64" = 1'-0"



4 Partial Overall Second Floor Plan  
3/64" = 1'-0"



1 Partial Overall First Floor Plan  
3/64" = 1'-0"

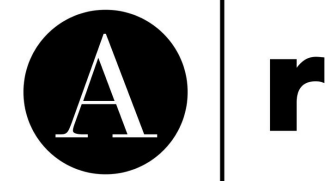
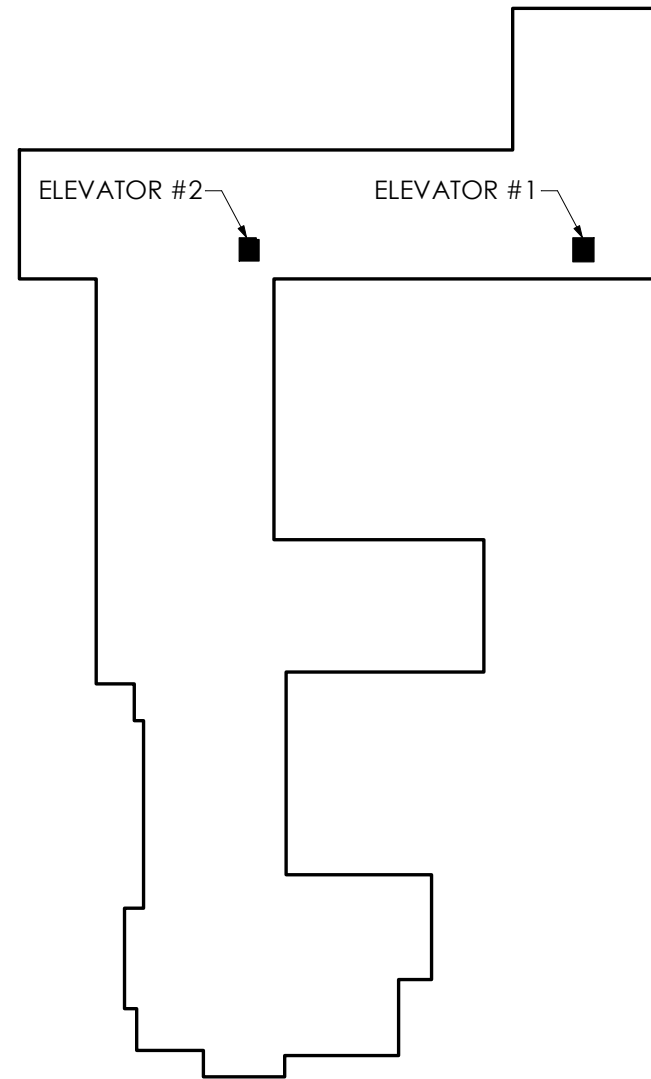


2 Partial Overall Basement Floor Plan  
3/64" = 1'-0"

Drawing Notes

- 111 REMOVE CEILING TILE AND SAFEGUARD FOR REINSTALLATION TO EXTENT REQUIRED FOR THE INSTALLATION OF CONDUIT AND WIRE FOR FIRE ALARM SCOPE - REFER TO ELECTRICAL DRAWINGS FOR COORDINATION - PROVIDE TILE TO REPLACE 10% OF ANTICIPATED DAMAGE TILE DURING REMOVALS

Key Plan



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SPRINGLINE DESIGN

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PHONE: 518-487-4755  
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POPLI DESIGN GROUP

555 PENBROOKE DRIVE  
PENFIELD, NY 14526  
PHONE: 585-388-2040  
FAX: 585-388-2070

SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

SEAL



BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

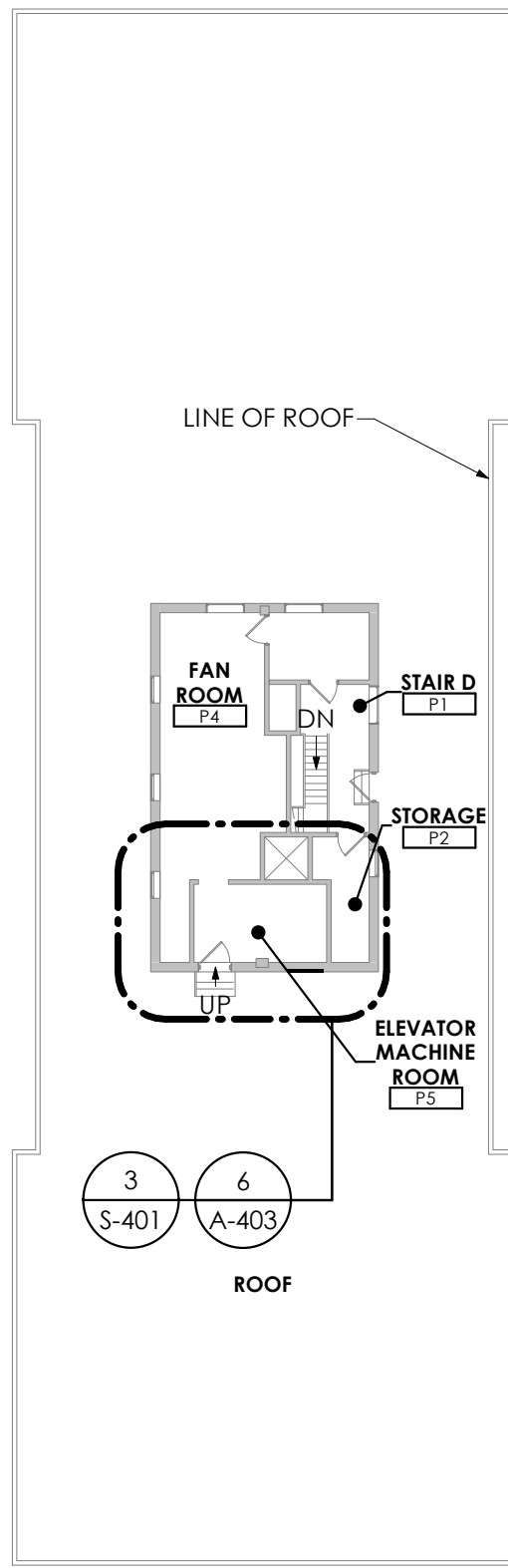
MORRISON PARTIAL  
OVERALL FLOOR  
PLANS

A1r JOB NO.: 190.114  
CLIENT NO.: 161042  
DRAWN BY: CMV  
SHEET NO:

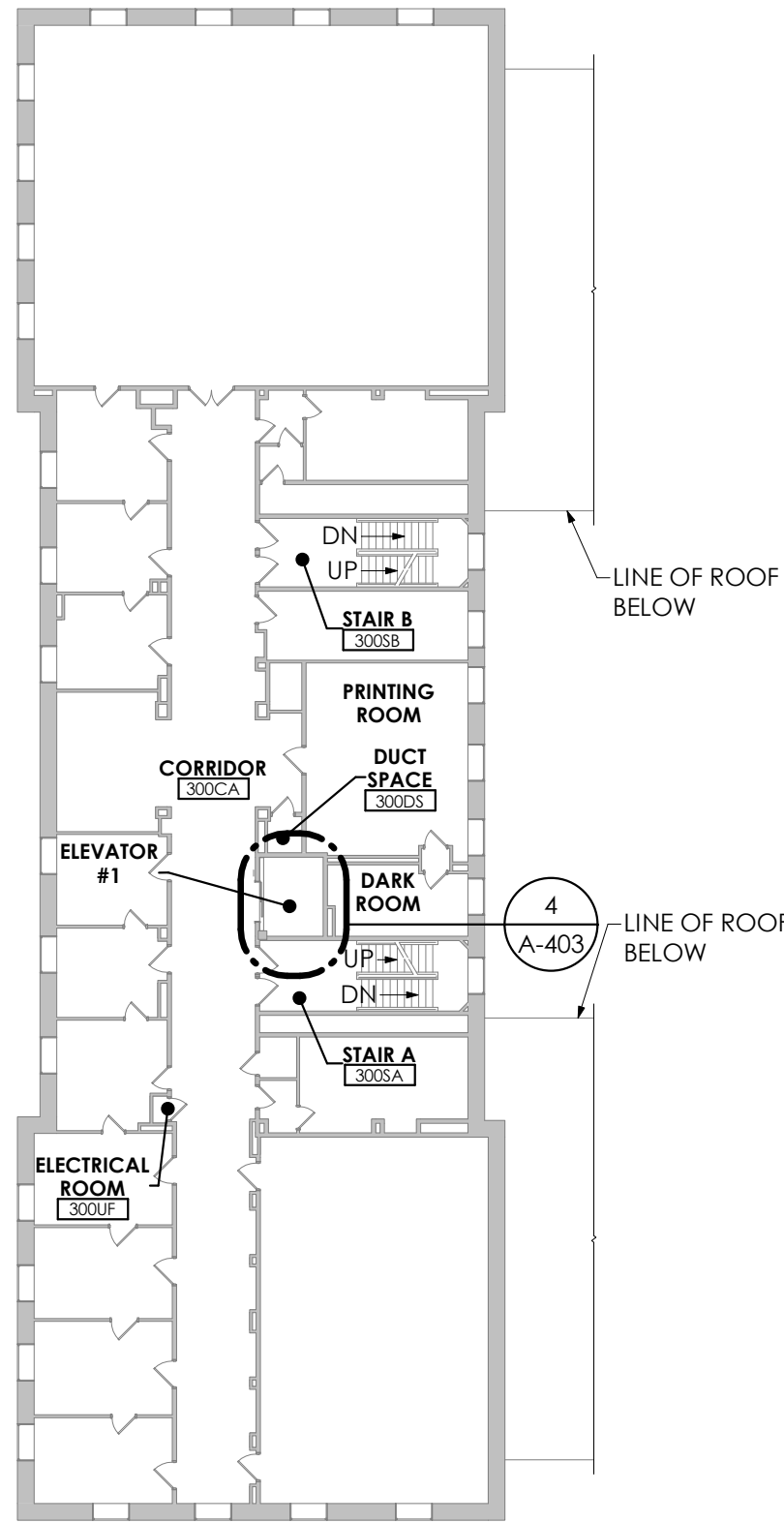
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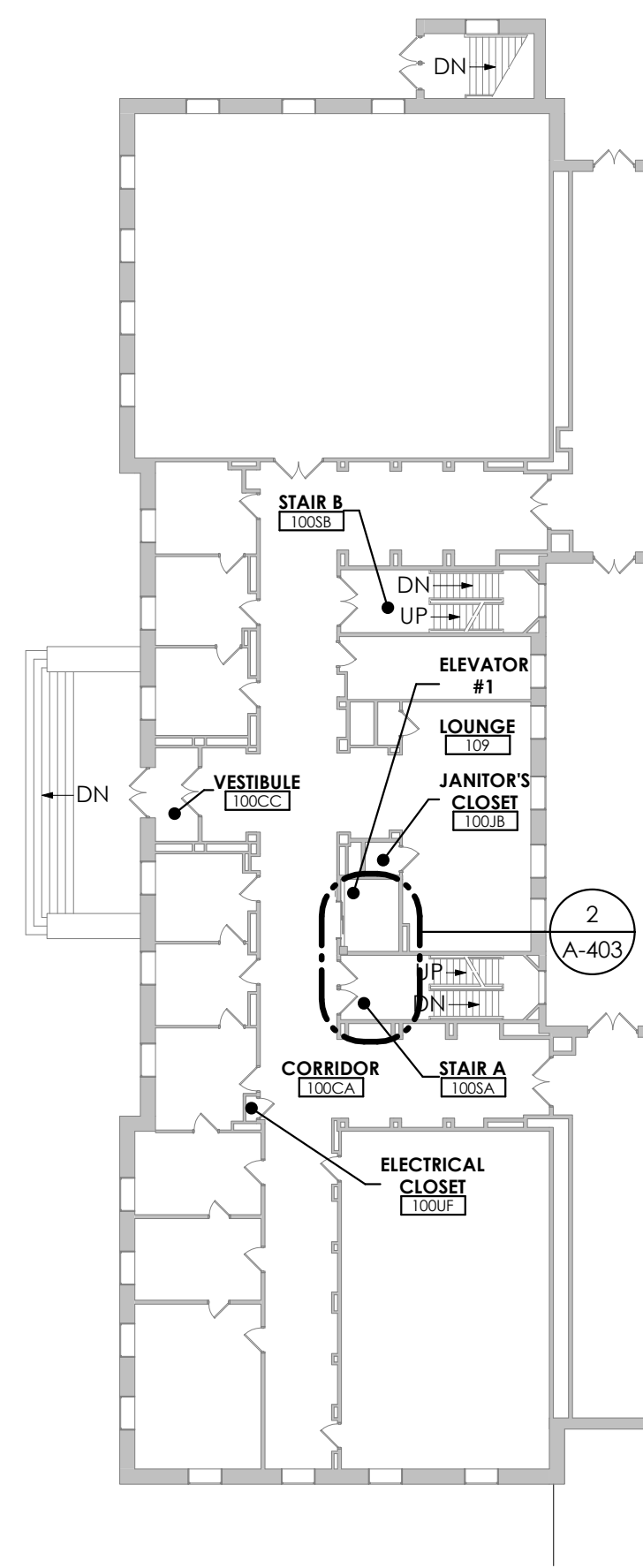
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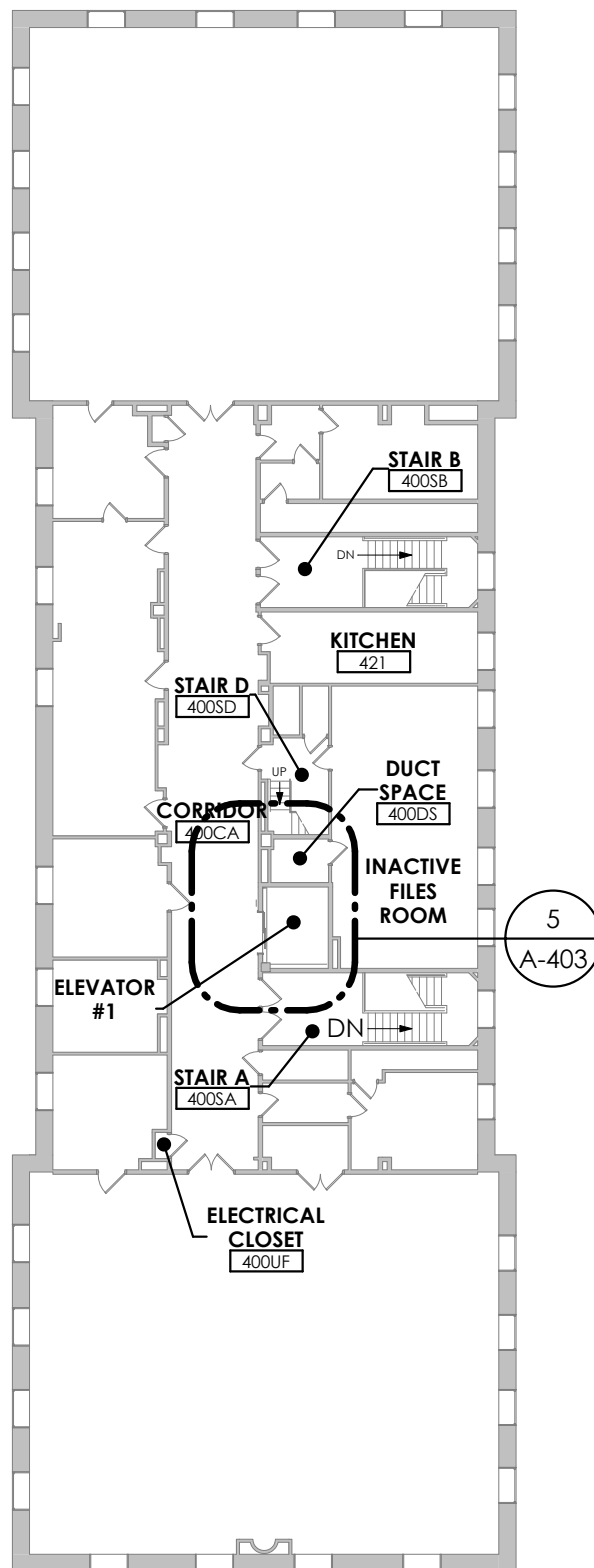
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3/64" = 1'-0"



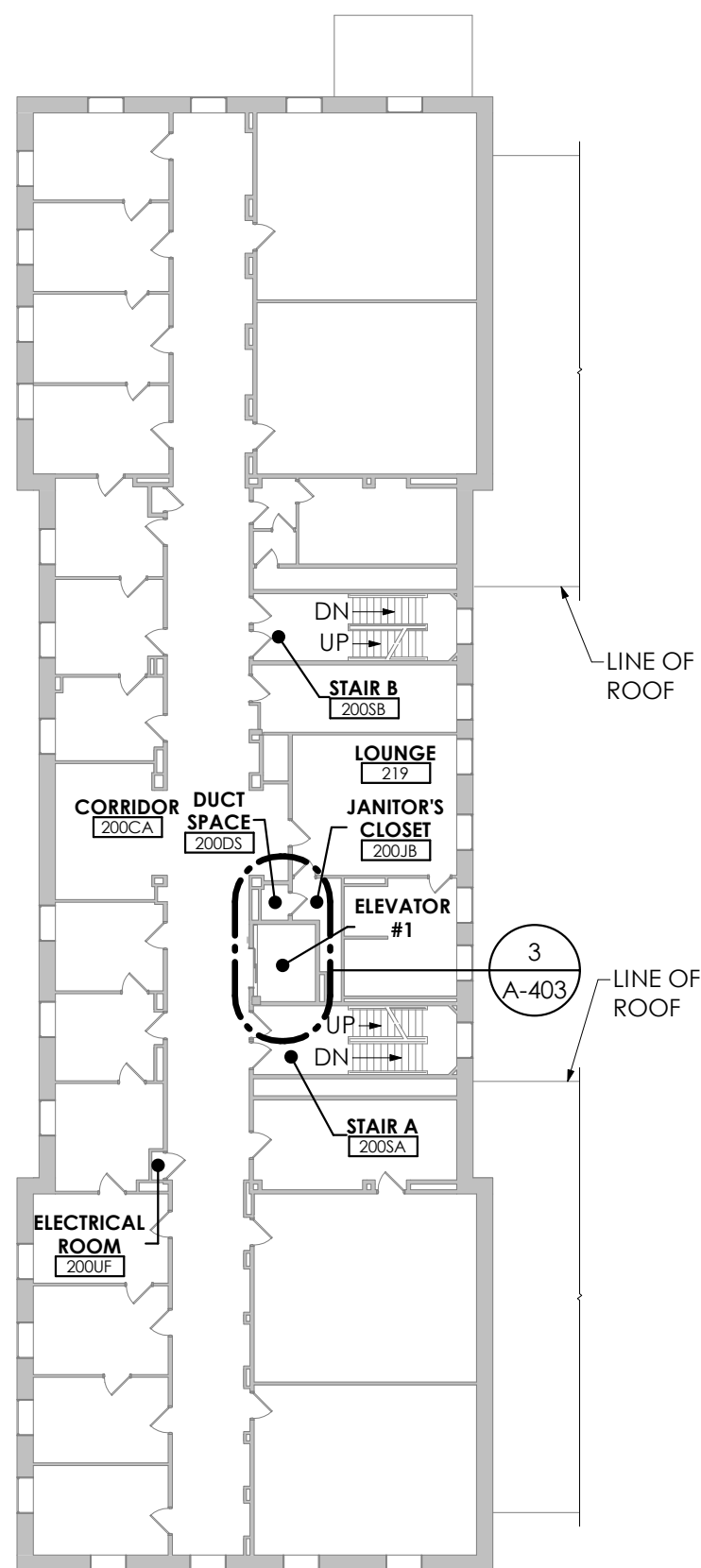
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3/64" = 1'-0"



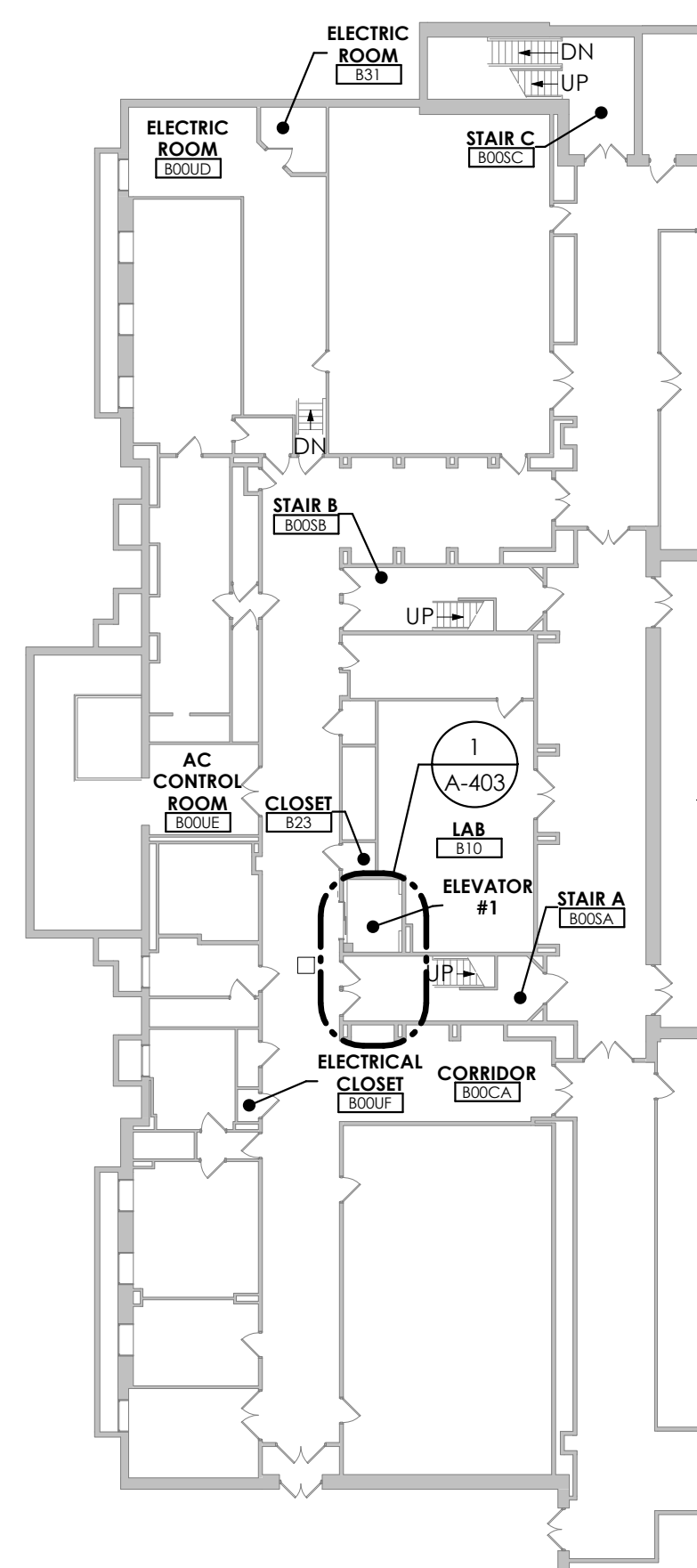
2 Partial Overall First Floor Plan  
3/64" = 1'-0"



5 Partial Overall Fourth Floor Plan  
3/64" = 1'-0"

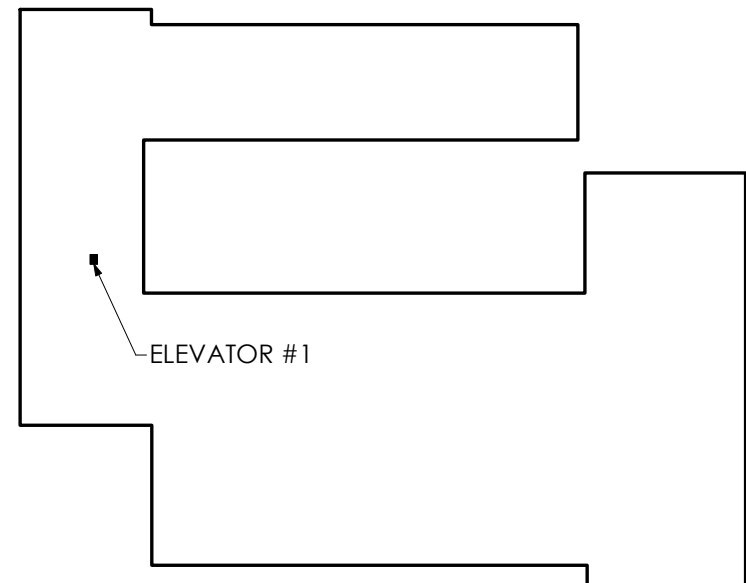


3 Partial Overall Second Floor Plan  
3/64" = 1'-0"



1 Partial Overall Basement Floor Plan  
3/64" = 1'-0"

### Key Plan



### Architectural Resources

505 Franklin St  
Buffalo, New York 14202  
303 West 13th Street  
New York, New York 10014  
716-883-5566 716-883-5569 fax

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CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

SEAL



### BID DOCUMENTS

10/27/2023

#### REVISIONS

NO.	DESCRIPTION	DATE

RILEY ROBB PARTIAL  
OVERALL FLOOR  
PLANS

A/r JOB NO.: 190.114

CLIENT NO: 161042

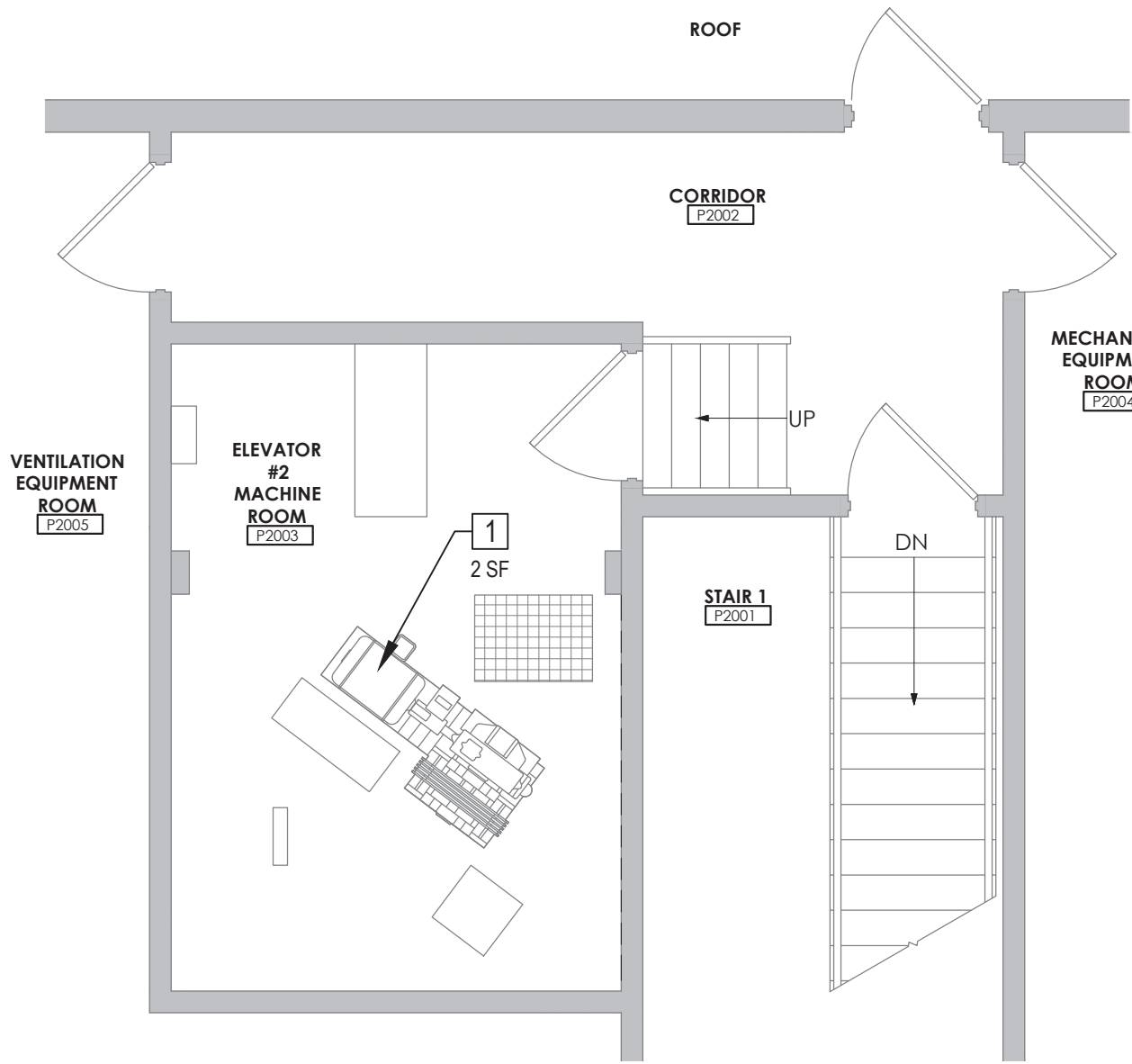
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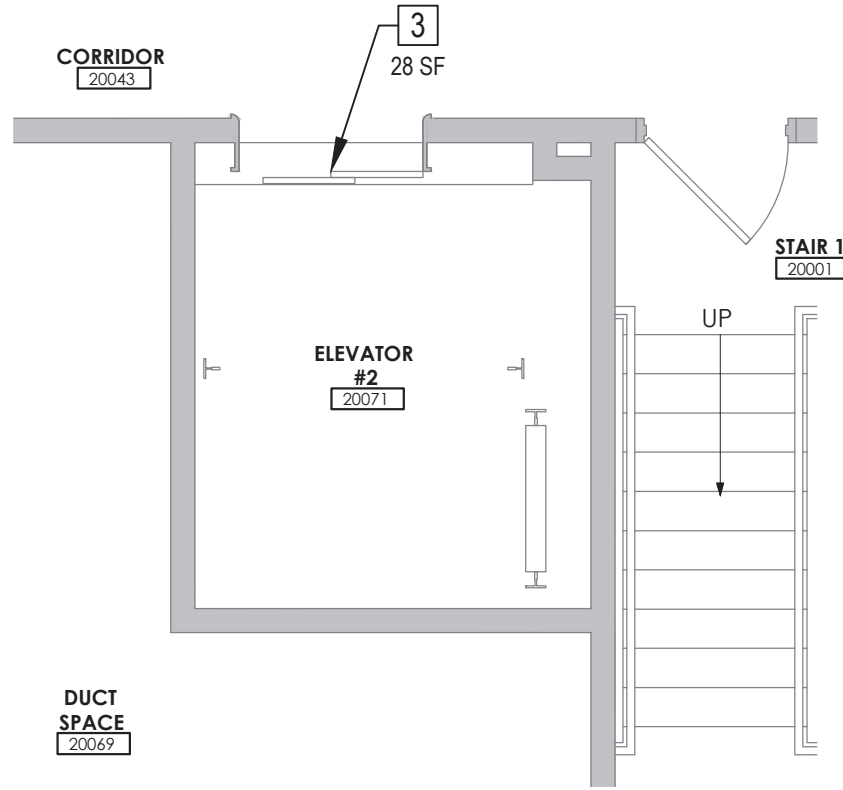
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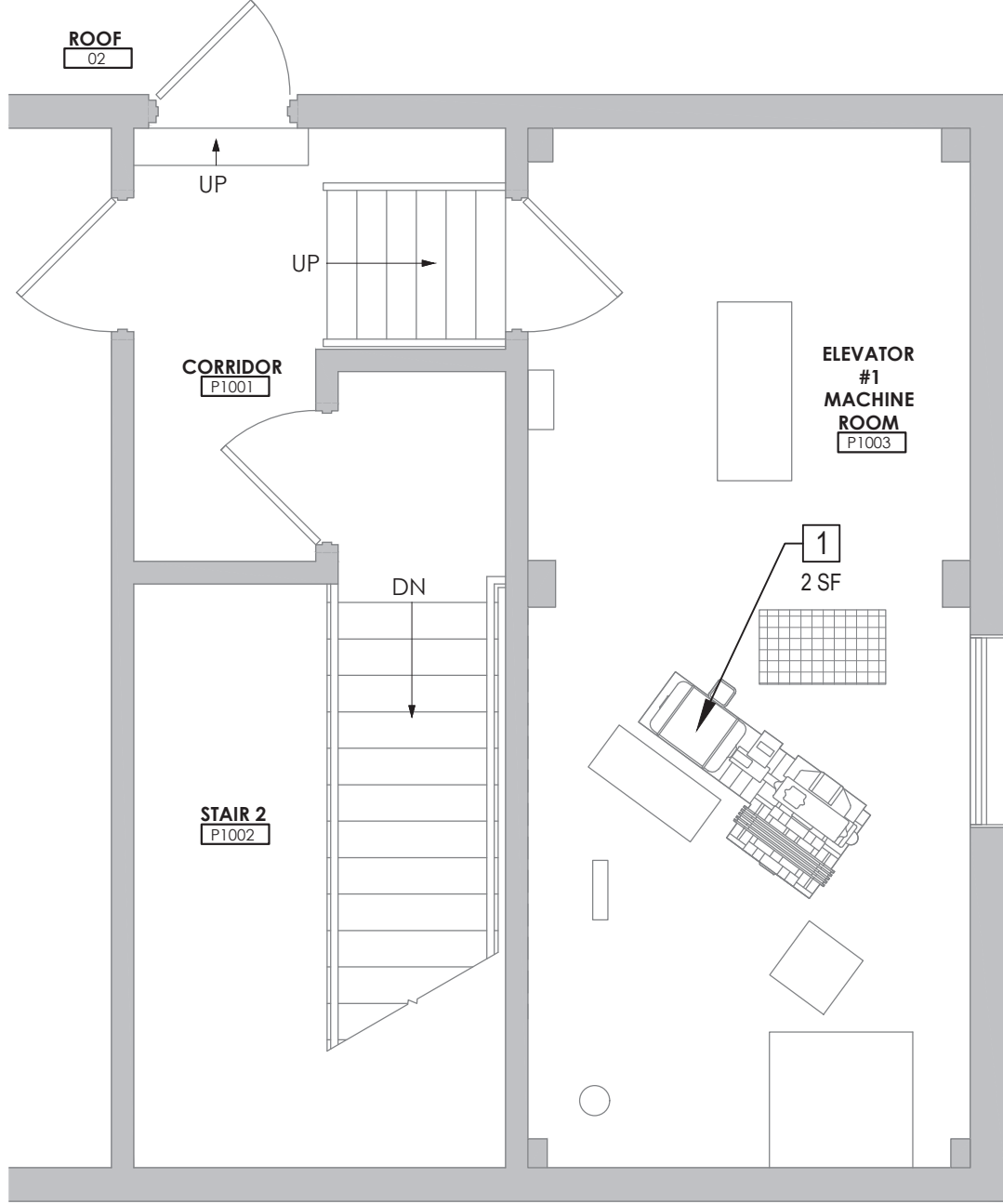
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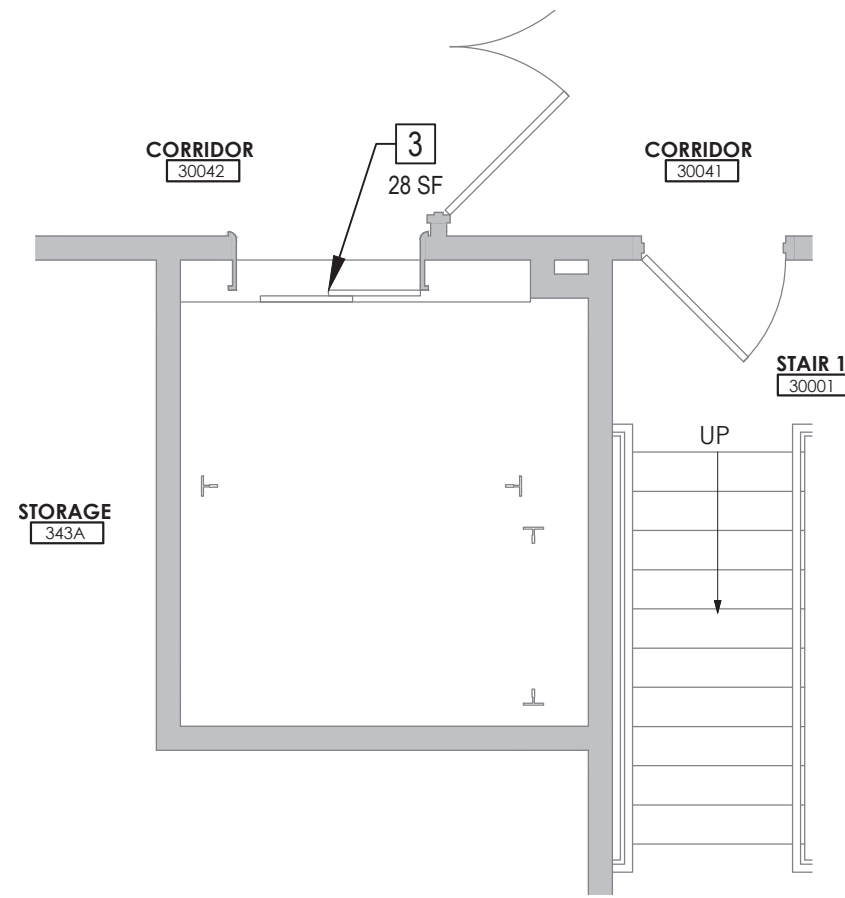
8 Enlarged Roof Plan  
1/4" = 1'-0"



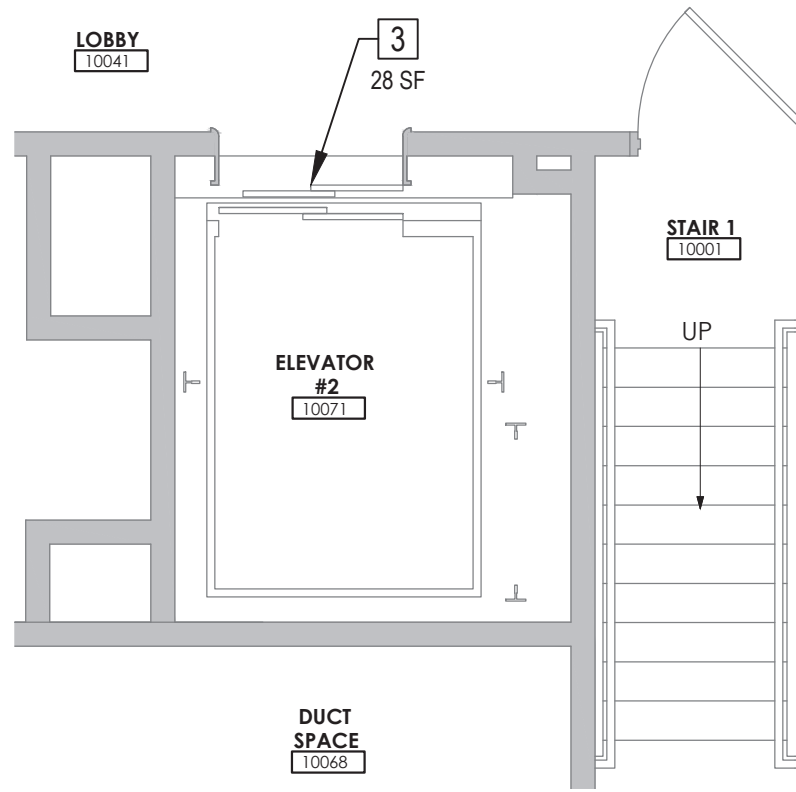
5 Enlarged Second Floor Plan  
1/4" = 1'-0"



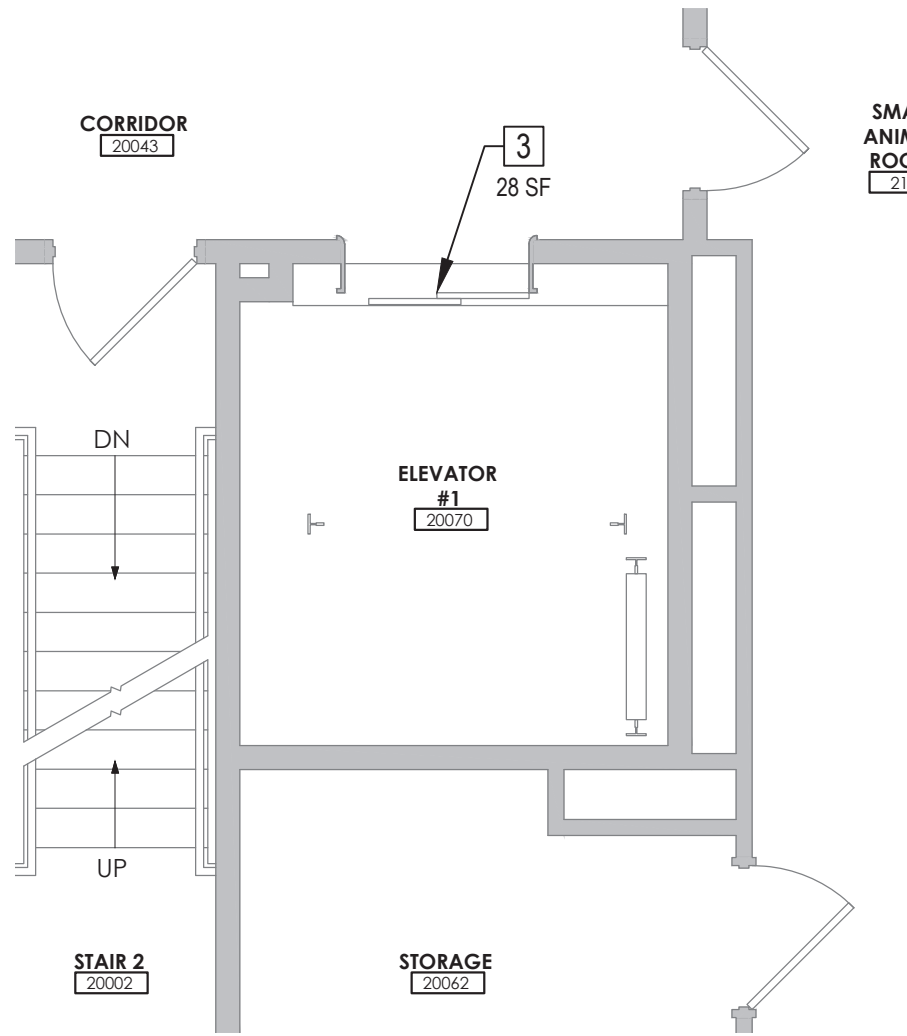
2 Enlarged Roof Plan  
1/4" = 1'-0"



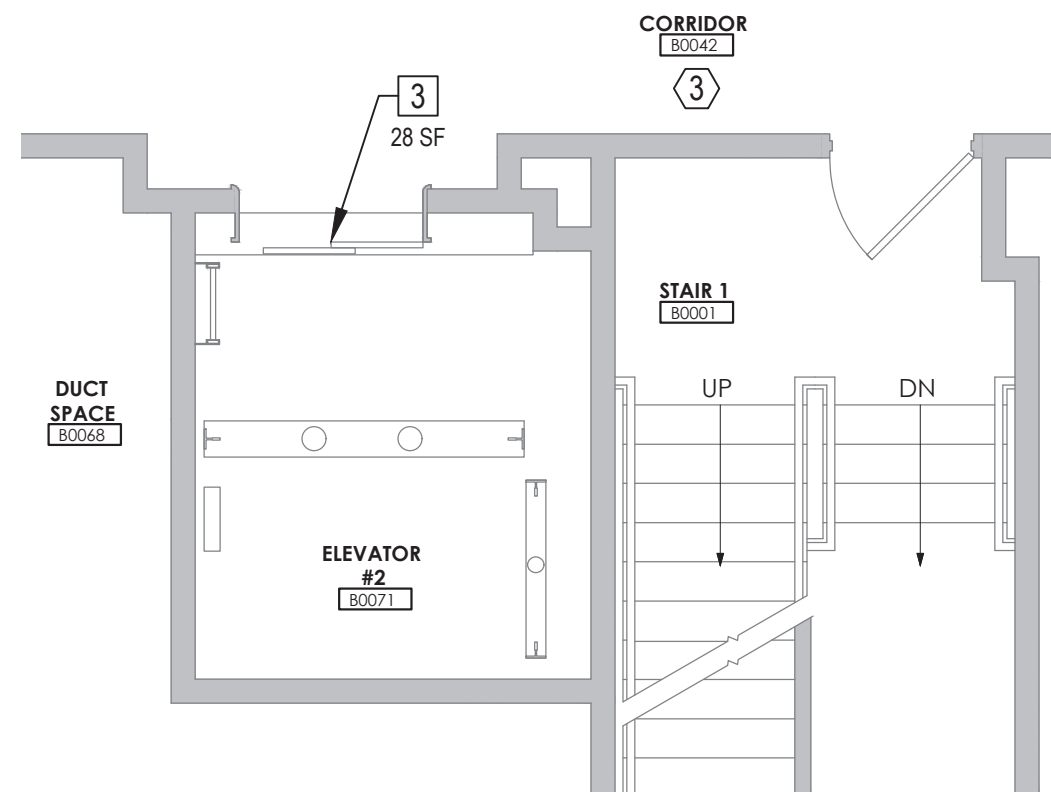
9 Enlarged Typical Floor Plan (3-4)  
1/4" = 1'-0"



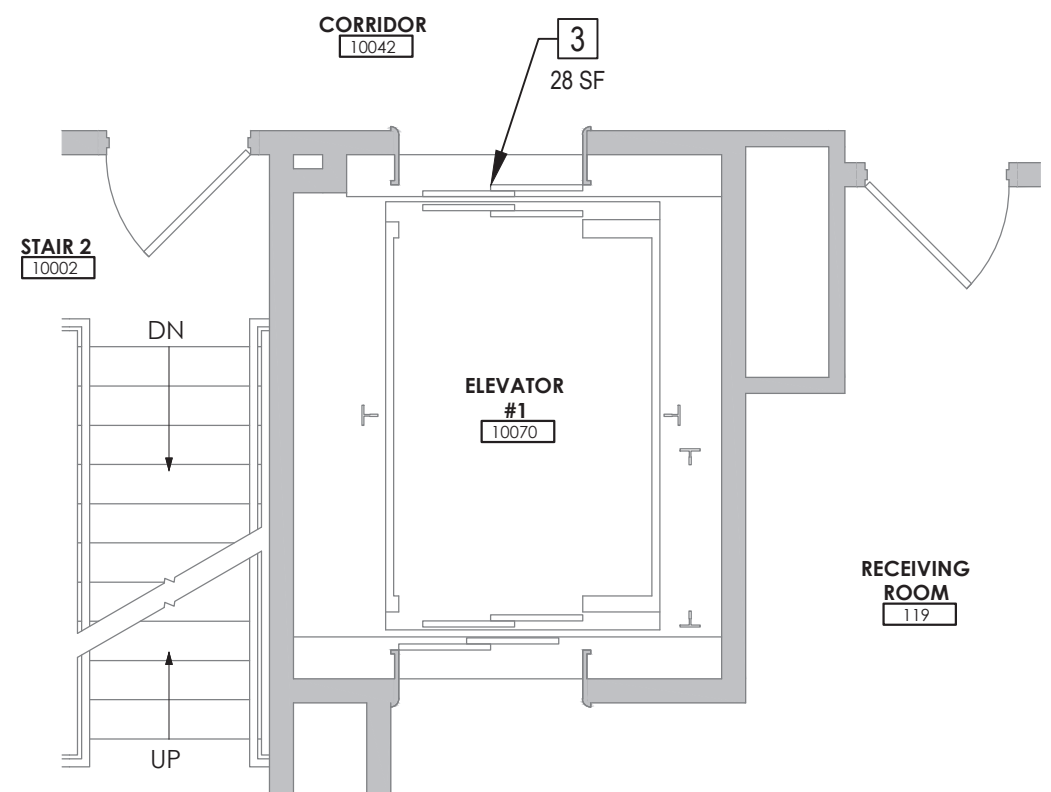
6 Enlarged First Floor Plan  
1/4" = 1'-0"



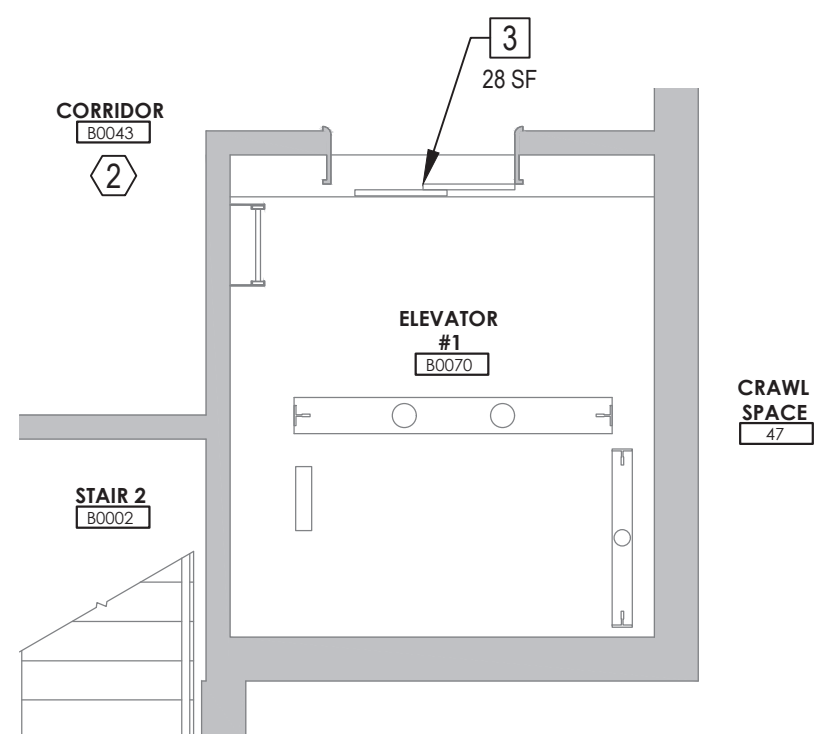
3 Enlarged Typical Floor Plan (2-4)  
1/4" = 1'-0"



7 Enlarged Basement Floor Plan  
1/4" = 1'-0"



4 Enlarged First Floor Plan  
1/4" = 1'-0"



1 Enlarged Basement Floor Plan  
1/4" = 1'-0"

#### GENERAL DRAWING NOTES:

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- KEEP THE WORK AREA IN A CLEAN AND SAFE CONDITION, PROVIDE TEMPORARY PROTECTION, PROTECT BUILDING MATERIALS SCHEDULED TO REMAIN, AND PREVENT UNAUTHORIZED ACCESS DURING THE DURATION OF THE PROJECT. CLEAN UP ALL CONTAINMENT WORK AREAS; SPECIFICALLY TAPE/ADHESIVES RESIDUE FROM ALL SURFACES. REPAIR DAMAGE CAUSED AS A RESULT OF INADEQUATE TEMPORARY PROTECTION OR PREPARATION AND ABATEMENT ACTIVITIES, INCLUDING DAMAGE TO FINISHES RESULTING FROM CONTAINMENT MEASURES.
- REFER TO THE ENTIRE SET OF CONTRACT DOCUMENTS FOR COORDINATION OF SCOPE.
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- PROVIDE ALL REMOVALS REQUIRED TO ACCESS AND ABATE MATERIALS SCHEDULED FOR REMOVAL.
- ALL ASBESTOS-CONTAINING MATERIAL SHALL BE PROPERLY PACKAGED PRIOR TO BEING REMOVED FROM THE WORK AREA(S). ASBESTOS WARNING LABELS SHALL BE APPLIED TO THE ASBESTOS WASTE BAGS.
- NON-POROUS CLEANABLE MATERIALS SCHEDULED FOR REMOVAL, SALVAGE, AND/OR DISPOSAL THAT ARE REMOVED DURING ABATEMENT ACTIVITIES (SUCH AS DOOR FRAMING, PARTITIONS, ACCESS PANELS, FIXTURES, ETC.) SHALL BE PROPERLY CLEANED, RECYCLED, OR DISPOSED OF AS C&D DEBRIS, AS APPROPRIATE.

#### GENERAL NOTE TO ALL TRADES:

A PRE-RENOVATION INSPECTION FOR ACM, LBP, AND PCB CAULKS HAS BEEN COMPLETED. A COPY OF THE REPORT IS INCLUDED IN THE CONTRACT DOCUMENTS. ADDITIONAL COPIES CAN BE OBTAINED FROM THE PROJECT MANAGER.

BE AWARE THAT DETECTABLE TRACE LEVELS OF ASBESTOS ARE PRESENT, BUT WERE FOUND TO BE LESS THAN OR EQUAL TO 1.0% ASBESTOS CONTENT AND THEREFORE THE MATERIALS ARE CLASSIFIED AS NON-ACM. CONTRACTORS SHALL BE RESPONSIBLE FOR CONDUCTING ALL WORK IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS, INCLUDING THOSE ESTABLISHED BY US DOL AND OSHA FOR WORK INVOLVING SUCH NON-ACM ASBESTOS TRACE MATERIALS.

MATERIAL:  
EXTERIOR WINDOW GLAZING ASSOCIATED WITH EXTERIOR DOORS AND WINDOWS AT RILEY-ROBB HALL

#### GENERAL ASBESTOS NOTES:

- NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET.
- REFERENCE SPECIFICATION 028213.
- FOR ALL MATERIALS BEING ABATED ASSOCIATED WITH THE ELEVATOR, THE CONTRACTOR IS TO COORDINATE THE TIMING OF REMOVAL WHEN ELEVATOR SYSTEM HAS BEEN LOCKED OUT, TAGGED OUT AND NOT IN USE AND THE ELEVATOR CAB HAS BEEN SUPPORTED.

#### # KEYED ASBESTOS REMOVAL NOTES:

- REMOVE AND PROPERLY DISPOSE OF THE ELEVATOR BRAKE SHOES IN THEIR ENTIRETY. THE BRAKE SHOES COULD NOT BE SAMPLED AND ARE ASSUMED ASBESTOS CONTAINING. CONTRACTOR CAN USE THE APPROVED VARIANCE FOUND IN THE SPECIFICATIONS TO PERFORM THIS WORK.
- THE EXTERIOR MASONRY CAULKING ASSOCIATED WITH DOOR AND WINDOW FRAMES IS ASBESTOS CONTAINING. REMOVE AND DISPOSE OF ALL CAULKING ASSOCIATED WITH DOOR AND WINDOW FRAMES IN ITS ENTIRETY.
- REMOVE AND PROPERLY DISPOSE OF THE ELEVATOR DOORS IN THEIR ENTIRETY DUE TO THE ASBESTOS CONTAINING DOOR INSULATION INSIDE THE METAL ELEVATOR DOORS. CONTRACTOR CAN USE THE APPROVED VARIANCE FOUND IN THE SPECIFICATIONS TO PERFORM THIS WORK.
- THE CERAMIC FLOORING MATERIALS IN THIS LOCATION ARE ASBESTOS CONTAINING. ALL LAYERS (GROUT, MUD SET, AND/OR WATER PROOFING) ARE TO BE ASSUMED ASBESTOS CONTAINING. THE CONTRACTOR IS TO PERFORM ANY NECESSARY PENETRATIONS, AND INSTALL ANY CONDUIT THAT PASSES THROUGH THE FLOOR UNDER CONTAINMENT.

#### ASBESTOS AWARENESS NOTE:

- ONLY A LICENSED CONTRACTOR WILL CONDUCT REMOVAL OF ASBESTOS-CONTAINING MATERIALS (ACM). IF AN UNLICENSED CONTRACTOR'S WORK WOULD DISTURB AN ACM, STOP AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE. DISTURBANCE INCLUDES, BUT IS NOT LIMITED TO, REMOVAL, SANDING/ABRADING, CUTTING, PENETRATING, AND FASTENING TO.
- THIS LIST IS NOT COMPREHENSIVE OF ALL ACM PRESENT. ONLY THOSE OF WHICH THAT ARE MOST PREVALENT WITH POTENTIAL FOR DISTURBANCE THROUGHOUT THE BUILDING. THE CONTRACTOR IS TO NOT DISTURB ANY OF THESE MATERIALS DURING THE COURSE OF THE PROJECT.
  - CEILING PLASTER - 1ST, 2ND, 3RD, AND 4TH FLOOR CORRIDORS AT RILEY-ROBB HALL.
  - FIREPROOFING - BASEMENT CORRIDOR/MECHANICAL SPACE IN MORRISON HALL FOR ELEVATOR #1.
  - FRIBLE PIPE INSULATION ABOVE LAY-IN CEILING - BASEMENT CORRIDOR IN MORRISON HALL FOR ELEVATOR #2. CONTRACTOR CAN NOT GO ABOVE THE LAY-IN CEILING DUE TO THE FRIBLE ASBESTOS PIPE INSULATION ABOVE.

#### # KEYED ASBESTOS AWARENESS NOTES:

- THE PLASTER CEILING IN THIS CORRIDOR IS ASBESTOS CONTAINING.
- THE FIREPROOFING IN THIS CORRIDOR/MECHANICAL SPACE IS ASBESTOS CONTAINING.
- THERE IS ASBESTOS CONTAINING PIPE INSULATION LOCATED ABOVE THE LAY-IN CEILING IN THIS CORRIDOR.

#### LEAD AWARENESS NOTE:

- GENERAL NOTE TO ALL TRADES - VARIOUS BUILDING MATERIALS HAVE BEEN IDENTIFIED AS BEING LEAD CONTAINING. A LISTING OF LEAD PAINTED BUILDING COMPONENTS CAN BE FOUND IN THE PROJECT DESIGN MANUAL AS PART OF THE PRE-RENOVATION INSPECTION REPORT.
- CONDUCT ALL WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS, INCLUDING OSHA 29 CFR 1926 (LEAD IN CONSTRUCTION STANDARD), AND TAKE PRECAUTIONS TO ENSURE THAT WORKERS ARE NOT EXPOSED TO LEAD IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT. DISPOSAL OF GENERATED PAINT CHIPS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE REGULATIONS REGARDING LEAD.
- THE FOLLOWING TYPICAL COMPONENTS TESTED POSITIVE FOR LEAD-BASED PAINT OR AS CONTAINING LEAD. REFER TO THE REPORT FOR A COMPLETE LISTING:
  - RED METAL STAIRS IN THE PENTHOUSE AREA OF RILEY-ROBB HALL
  - ELEVATOR MACHINE ROOM DOORS AND FRAMES AT RILEY-ROBB HALL
  - BEIGE GLAZED BLOCK WALLS AT MORRISON HALL

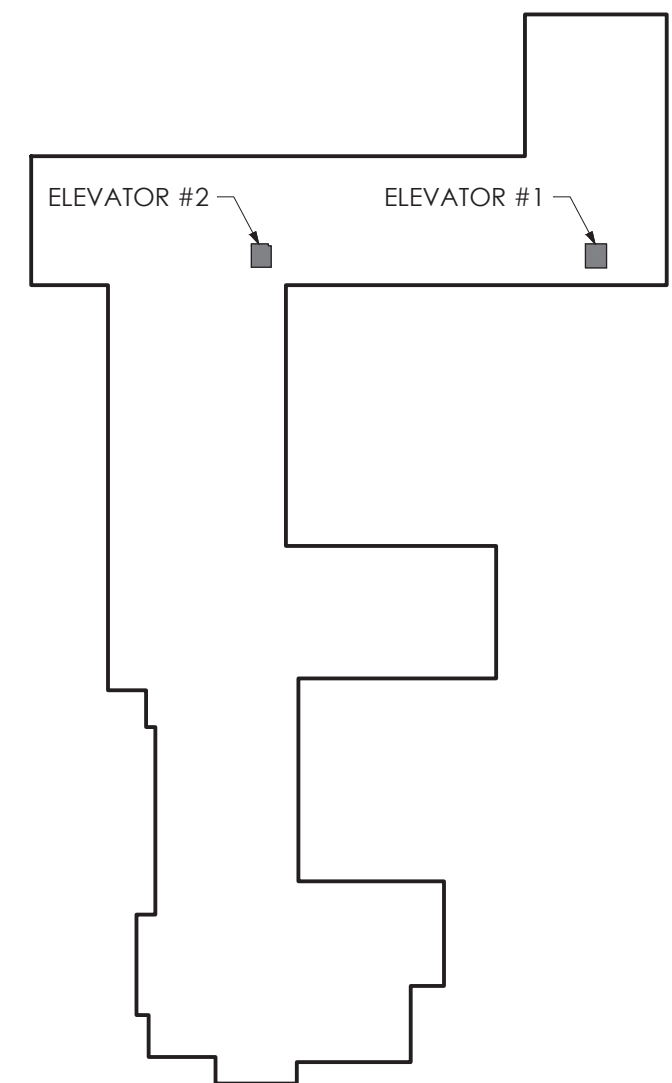
#### GENERAL PCB NOTES:

- NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET.
- REFERENCE SPECIFICATION 028400.
- THE CONTAINERS AND LABELS FOR ALL CAULKING THAT IS REMOVED, WILL BE FURNISHED TO THE ABATEMENT CONTRACTOR BY THE CAMPUS' ENVIRONMENTAL HEALTH AND SAFETY OFFICE.

#### # KEYED PCB REMOVAL NOTES:

- REMOVE AND PROPERLY DISPOSE OF ALL CAULKING ASSOCIATED WITH DOOR AND WINDOW FRAMES AS PCB CONTAINING (PCB OVER 50PPM). MATERIALS THAT ARE IN CONTACT WITH PCB CONTAINING CAULK ARE TO BE WRAPPED, CONTAINERIZED, AND DISPOSED OF AS PCB BULK PRODUCT WASTE.

#### Key Plan



#### Architectural Resources

505 Franklin St  
Buffalo, New York 14202  
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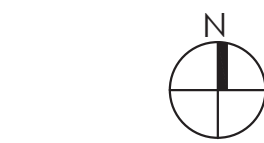
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SEAL



#### BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

#### MORRISON HAZARDOUS MATERIALS ABATEMENT PLANS

A/r JOB NO.: 190.114

CLIENT NO.: 161042

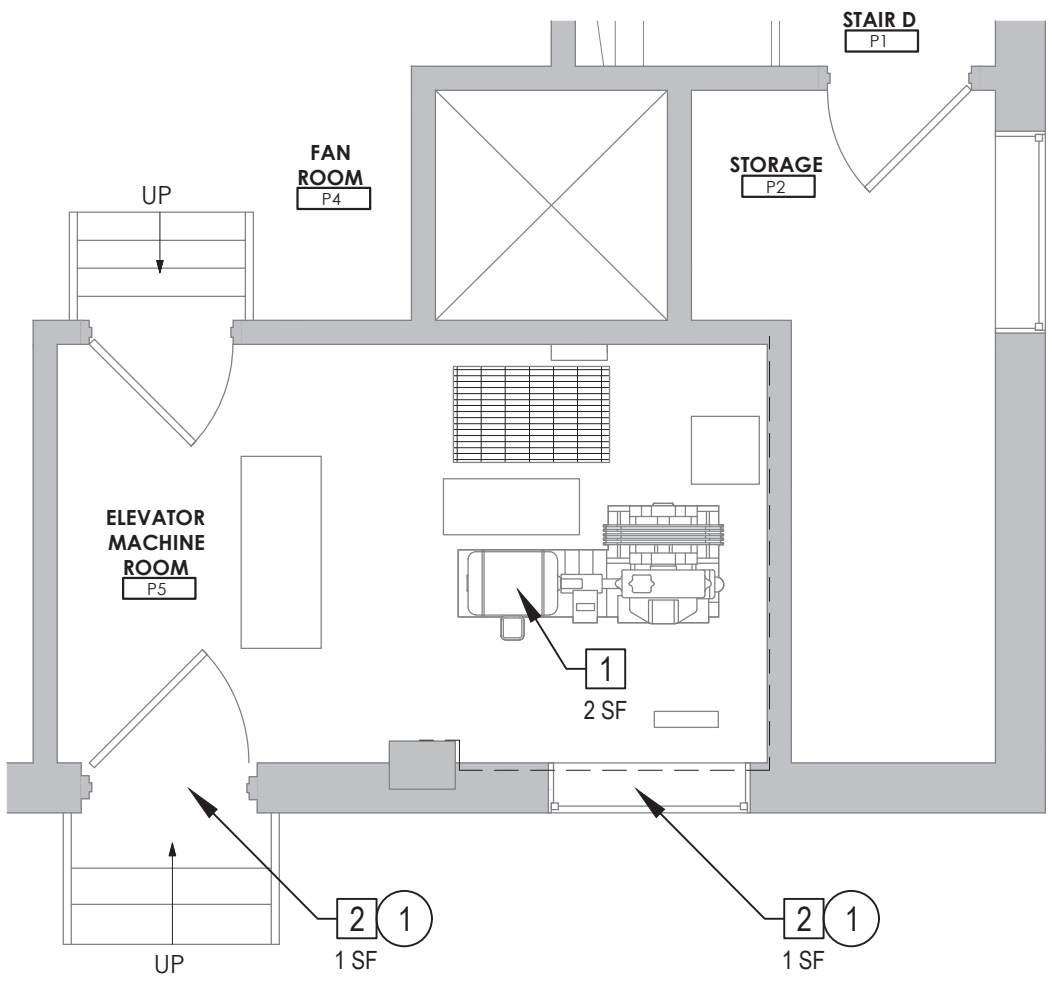
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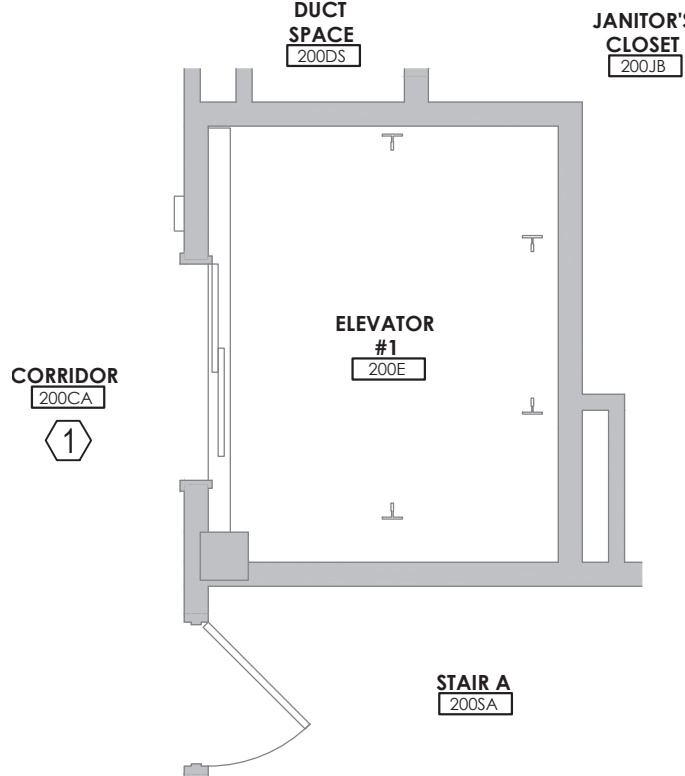
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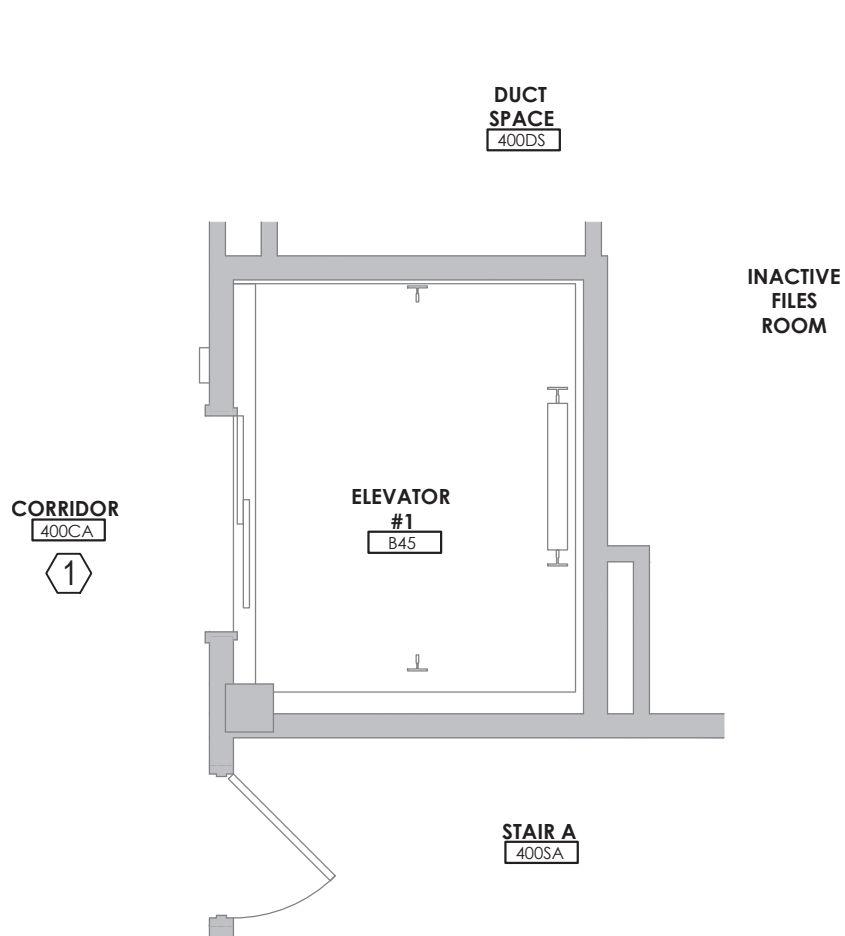
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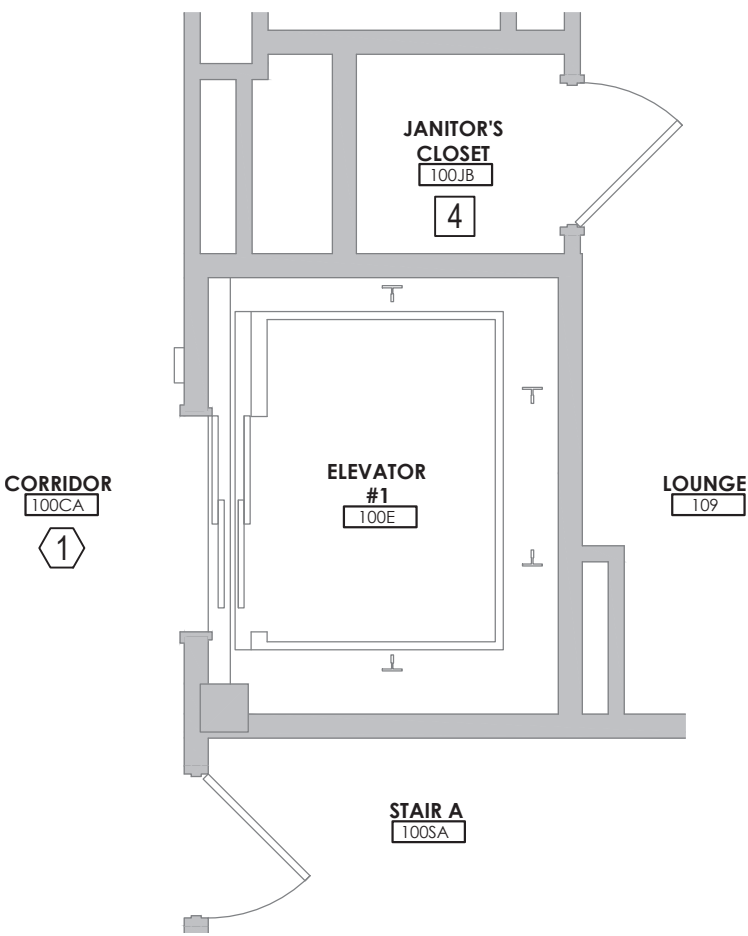
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1/4" = 1'-0"



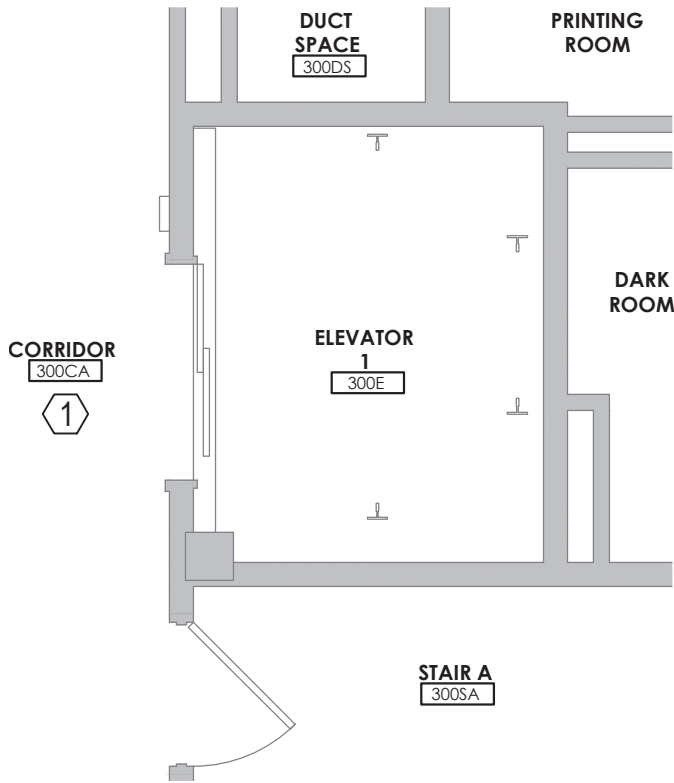
1 Enlarged Second Floor Plan  
1/4" = 1'-0"



4 Enlarged Fourth Floor Plan  
1/4" = 1'-0"



2 Enlarged First Floor Plan  
1/4" = 1'-0"



5 Enlarged Third Floor Plan  
1/4" = 1'-0"

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- NON-POROUS CLEANABLE MATERIALS SCHEDULED FOR REMOVAL, SALVAGE, AND/OR DISPOSAL THAT ARE REMOVED DURING ABATEMENT ACTIVITIES (SUCH AS DOOR FRAMING, PARTITIONS, ACCESS PANELS, FIXTURES, ETC.) SHALL BE PROPERLY CLEANED, RECYCLED, OR DISPOSED OF AS C&D DEBRIS, AS APPROPRIATE.

GENERAL NOTE TO ALL TRADES:

A PRE-RENOVATION INSPECTION FOR ACM, LBP, AND PCB CAULKS HAS BEEN COMPLETED. A COPY OF THE REPORT IS INCLUDED IN THE CONTRACT DOCUMENTS. ADDITIONAL COPIES CAN BE OBTAINED FROM THE PROJECT MANAGER.

BE AWARE THAT DETECTABLE TRACE LEVELS OF ASBESTOS ARE PRESENT, BUT WERE FOUND TO BE LESS THAN OR EQUAL TO 1.0% ASBESTOS CONTENT AND THEREFORE THE MATERIALS ARE CLASSIFIED AS NON-ACM. CONTRACTORS SHALL BE RESPONSIBLE FOR CONDUCTING ALL WORK IN ACCORDANCE WITH ALL FEDERAL AND STATE REGULATIONS, INCLUDING THOSE ESTABLISHED BY US DOL AND OSHA FOR WORK INVOLVING SUCH NON-ACM ASBESTOS TRACE MATERIALS.

MATERIAL:  
EXTERIOR WINDOW GLAZING ASSOCIATED WITH EXTERIOR DOORS AND WINDOWS AT RILEY-ROBB HALL

GENERAL ASBESTOS NOTES:

- NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET.
- REFERENCE SPECIFICATION 028213.
- FOR ALL MATERIALS BEING ABATED ASSOCIATED WITH THE ELEVATOR, THE CONTRACTOR IS TO COORDINATE THE TIMING OF REMOVAL WHEN ELEVATOR SYSTEM HAS BEEN LOCKED OUT, TAGGED OUT AND NOT IN USE AND THE ELEVATOR CAB HAS BEEN SUPPORTED.

# KEYED ASBESTOS REMOVAL NOTES:

- REMOVE AND PROPERLY DISPOSE OF THE ELEVATOR BRAKE SHOES IN THEIR ENTIRETY. THE BRAKE SHOES COULD NOT BE SAMPLED AND ARE ASSUMED ASBESTOS CONTAINING. CONTRACTOR CAN USE THE APPROVED VARIANCE FOUND IN THE SPECIFICATIONS TO PERFORM THIS WORK.
- THE EXTERIOR MASONRY CAULKING ASSOCIATED WITH DOOR AND WINDOW FRAMES IS ASBESTOS CONTAINING. REMOVE AND DISPOSE OF ALL CAULKING ASSOCIATED WITH DOOR AND WINDOW FRAMES IN ITS ENTIRETY.
- REMOVE AND PROPERLY DISPOSE OF THE ELEVATOR DOORS IN THEIR ENTIRETY DUE TO THE ASBESTOS CONTAINING DOOR INSULATION INSIDE THE METAL ELEVATOR DOORS. CONTRACTOR CAN USE THE APPROVED VARIANCE FOUND IN THE SPECIFICATIONS TO PERFORM THIS WORK.
- THE CERAMIC FLOORING MATERIALS IN THIS LOCATION ARE ASBESTOS CONTAINING. ALL LAYERS (GROUT, MUD SET, AND/OR WATER PROOFING) ARE TO BE ASSUMED ASBESTOS CONTAINING. THE CONTRACTOR IS TO PERFORM ANY NECESSARY PENETRATIONS, AND INSTALL ANY CONDUIT THAT PASSES THROUGH THE FLOOR UNDER CONTAINMENT.

ASBESTOS AWARENESS NOTE:

- ONLY A LICENSED CONTRACTOR WILL CONDUCT REMOVAL OF ASBESTOS-CONTAINING MATERIALS (ACM). IF AN UNLICENSED CONTRACTOR'S WORK WOULD DISTURB AN ACM, STOP AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE. DISTURBANCE INCLUDES, BUT IS NOT LIMITED TO, REMOVAL, SANDING/ABRADING, CUTTING, PENETRATING, AND FASTENING TO.
- THIS LIST IS NOT COMPREHENSIVE OF ALL ACM PRESENT, ONLY THOSE OF WHICH THAT ARE MOST PREVALENT WITH POTENTIAL FOR DISTURBANCE THROUGHOUT THE BUILDING. THE CONTRACTOR IS TO NOT DISTURB ANY OF THESE MATERIALS DURING THE COURSE OF THE PROJECT.
  - CEILING PLASTER - 1ST, 2ND, 3RD, AND 4TH FLOOR CORRIDORS AT RILEY-ROBB HALL.
  - FIREPROOFING - BASEMENT CORRIDOR/MECHANICAL SPACE IN MORRISON HALL FOR ELEVATOR #1.
  - FRIBLE PIPE INSULATION ABOVE LAY-IN CEILING - BASEMENT CORRIDOR IN MORRISON HALL FOR ELEVATOR #2. CONTRACTOR CAN NOT GO ABOVE THE LAY-IN CEILING DUE TO THE FRIBLE ASBESTOS PIPE INSULATION ABOVE.

# KEYED ASBESTOS AWARENESS NOTES:

- THE PLASTER CEILING IN THIS CORRIDOR IS ASBESTOS CONTAINING.
- THE FIREPROOFING IN THIS CORRIDOR/MECHANICAL SPACE IS ASBESTOS CONTAINING.
- THERE IS ASBESTOS CONTAINING PIPE INSULATION LOCATED ABOVE THE LAY-IN CEILING IN THIS CORRIDOR.

LEAD AWARENESS NOTE:

- GENERAL NOTE TO ALL TRADES - VARIOUS BUILDING MATERIALS HAVE BEEN IDENTIFIED AS BEING LEAD CONTAINING. A LISTING OF LEAD PAINTED BUILDING COMPONENTS CAN BE FOUND IN THE PROJECT DESIGN MANUAL AS PART OF THE PRE-RENOVATION INSPECTION REPORT.
- CONDUCT ALL WORK IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS, INCLUDING OSHA 29 CFR 1926 (LEAD IN CONSTRUCTION STANDARD), AND TAKE PRECAUTIONS TO ENSURE THAT WORKERS ARE NOT EXPOSED TO LEAD IN EXCESS OF THE PERMISSIBLE EXPOSURE LIMIT. DISPOSAL OF GENERATED PAINT CHIPS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL AND STATE REGULATIONS REGARDING LEAD.
- THE FOLLOWING TYPICAL COMPONENTS TESTED POSITIVE FOR LEAD-BASED PAINT OR AS CONTAINING LEAD. REFER TO THE REPORT FOR A COMPLETE LISTING:
  - RED METAL STAIRS IN THE PENTHOUSE AREA OF RILEY-ROBB HALL
  - ELEVATOR MACHINE ROOM DOORS AND FRAMES AT RILEY-ROBB HALL
  - BEIGE GLAZED BLOCK WALLS AT MORRISON HALL

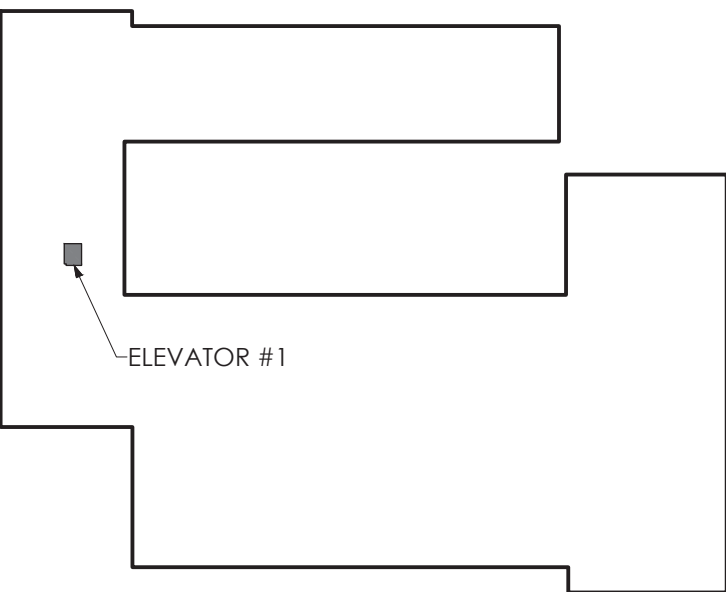
GENERAL PCB NOTES:

- NOT ALL REMOVAL NOTES ARE UTILIZED ON EVERY SHEET.
- REFERENCE SPECIFICATION 028400.
- THE CONTAINERS AND LABELS FOR ALL CAULKING THAT IS REMOVED, WILL BE FURNISHED TO THE ABATEMENT CONTRACTOR BY THE CAMPUS' ENVIRONMENTAL HEALTH AND SAFETY OFFICE.

# KEYED PCB REMOVAL NOTES:

- REMOVE AND PROPERLY DISPOSE OF ALL CAULKING ASSOCIATED WITH DOOR AND WINDOW FRAMES AS PCB CONTAINING (PCB OVER 50PPM). MATERIALS THAT ARE IN CONTACT WITH PCB CONTAINING CAULK ARE TO BE WRAPPED, CONTAINERIZED, AND DISPOSED OF AS PCB BULK PRODUCT WASTE.

Key Plan



A

r

Architectural Resources

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SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

RILEY ROBB  
HAZARDOUS  
MATERIALS  
ABATEMENT PLANS

A/r JOB NO.: 190.114  
CLIENT NO.: 161042  
DRAWN BY: BCJ  
SHEET NO:

HM-102



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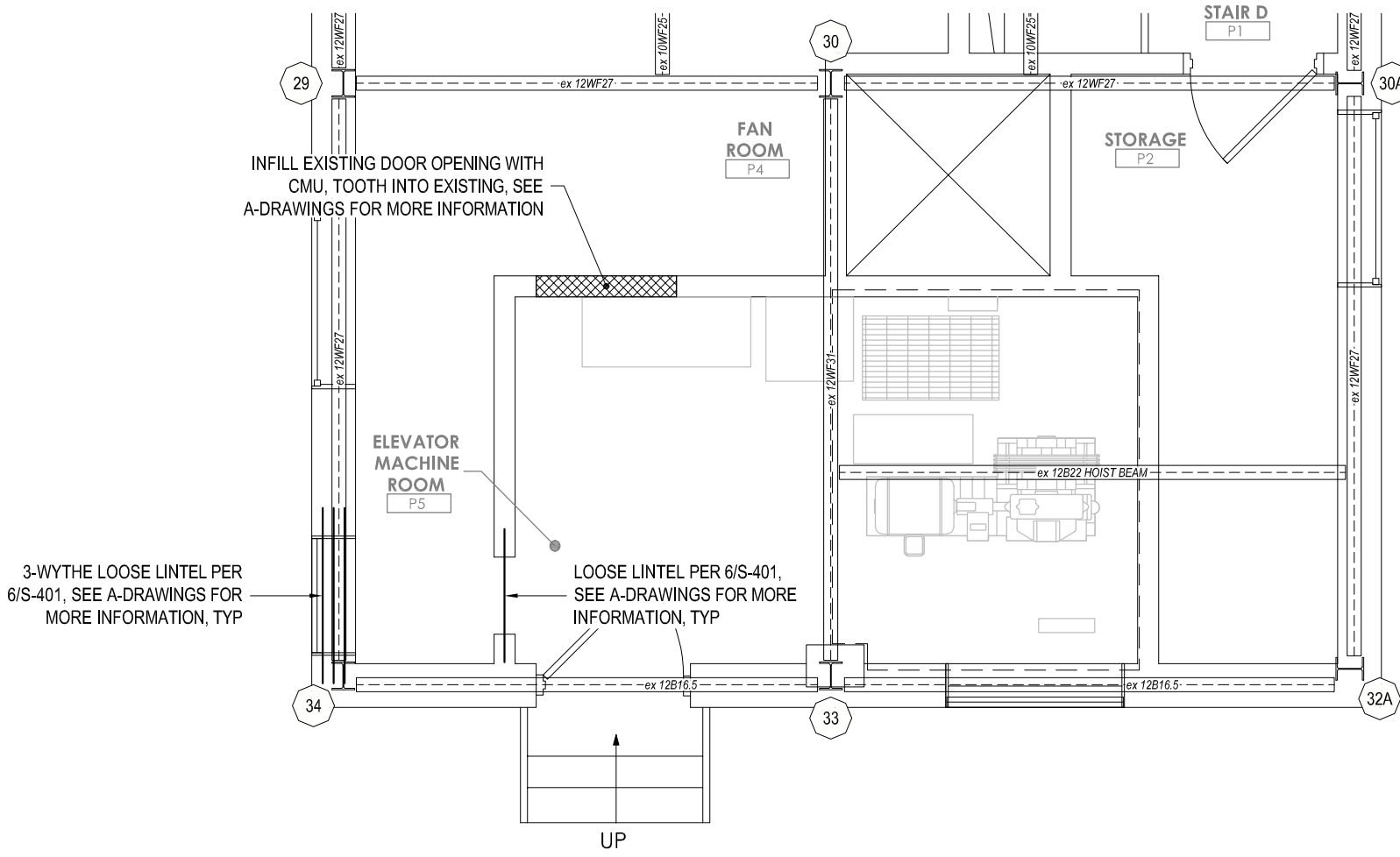
MASONRY OPENING STEEL ANGLE LTEL SCHEDULE					
CLEAR MASONRY OPENING WIDTH	LTEL FOR 4" MASONRY WALLS	LTEL FOR 6" MASONRY WALLS	LTEL FOR 8" MASONRY WALLS	LTEL FOR 10" MASONRY WALLS	LTEL FOR 12" MASONRY WALLS
8" TO 1'-5"	FLAT 3/4" PLATE	FLAT 3/4" PLATE	FLAT 3/4" PLATE	FLAT 3/4" PLATE	FLAT 3/4" PLATE
1'-6" TO 2'-11"	L3x3x3/4"	WT4x9	(2) L3x3x3/4"	L5x3x1/2 and L4x3x1/2 (LLH)	L6x3x3/4 and L5x3x3/4 (LLH)
3'-0" TO 3'-11"	L3x3x3/4"	WT4x9	(2) L3x3x3/4"	L5x3x1/2 and L4x3x1/2 (LLH)	L6x3x3/4 and L5x3x3/4 (LLH)
4'-0" TO 4'-11"	L3x3x3/4"	WT4x10.5	(2) L3x3x3/4"	L5x3x1/2 and L4x3x1/2 (LLH)	L6x3x3/4 and L5x3x3/4 (LLH)
5'-0" TO 5'-11"	L4x3x3/4" (LLV)	WT5x11	(2) L4x3x3/4" (LLV)	L5x3x3/4 and L4x3x3/4 (LLH)	L6x3x3/4 and L5x3x3/4 (LLH)
6'-0" TO 6'-11"	L4x3x3/4" (LLV)	WT5x11	(2) L4x3x3/4" (LLV)	L5x3x3/4 and L4x3x3/4 (LLH)	L6x3x3/4 and L5x3x3/4 (LLH)
7'-0" TO 7'-11"	L5x3x3/4" (LLV)	WT8x13	(2) L5x3x3/4" (LLV)	L6x3x3/4 and L5x3x3/4 (LLV)	L6x3x3/4 and L5x3x3/4
8'-0" TO 8'-11"	L5x3x3/4" (LLV)	WT8x13	(2) L5x3x3/4" (LLV)	L6x3x3/4 and L5x3x3/4 (LLV)	L6x3x3/4 and L5x3x3/4
9'-0" TO 9'-11"	L6x3x3/4" (LLV)	WT8x13	(2) L6x3x3/4" (LLV)	L6x3x3/4 and L5x3x3/4 (LLV)	L6x3x3/4 and L5x3x3/4

LOOSE LTEL NOTES:

1. PROVIDE THE MEMBERS ABOVE WHERE A SINGLE LINE IS SHOWN GRAPHICALLY ON THE PLANS. WHERE MULTIPLE PARALLEL LINES ARE SHOWN GRAPHICALLY, PROVIDE MULTIPLE BACK-TO-BACK ANGLES PER THE SIZES SHOWN IN THE COLUMN FOR 4" WALLS, ONE ANGLE FOR EACH 4" WYTHE OF BRICK.
2. MEMBER SIZES GIVEN ARE ONLY FOR SUPPORT OF MASONRY OPENING WITH NO ADDITIONAL SUPERIMPOSED LOADS ABOVE.
3. SEE PLANS FOR SPECIAL LINTELS SUPPORTING ADDITIONAL LOADS.
4. PROVIDE 9" MIN BEARING OF LINTELS AT EACH END U.N.O.
5. WELD MULTI-ANGLE LINTELS TOGETHER WITH 3/8" LONG WELDS AT 12" o.c. U.N.O.
6. HOT-DIP GALVANIZE LINTELS IN EXTERIOR WALLS U.N.O.
7. PROVIDE CUTTING AND PATCHING OF ALL SURROUNDING MATERIALS AND FINISHES REQUIRED TO INSTALL LINTELS.
8. PROVIDE TEMPORARY SHORING OF MASONRY CONSTRUCTION ABOVE TO ACCOMMODATE SAFE INSTALLATION WHILE PREVENTING SETTLEMENT, MOVEMENT, CRACKING, OR DISTORTION OF MATERIALS.
9. UNLESS NOTED OTHERWISE, TOOTH NEW INFILL MASONRY INTO EXISTING MATERIAL AND MATCH THE EXISTING BOND PATTERN.
10. CUT ALL NEW MASONRY TO FIT WITHIN AND MATCH EXISTING MASONRY BOND PATTERN.
11. CUT ALL NEW MASONRY AS REQUIRED AND BED / SLUSH SOLID AROUND STEEL LINTELS FOR SOLID BEARING

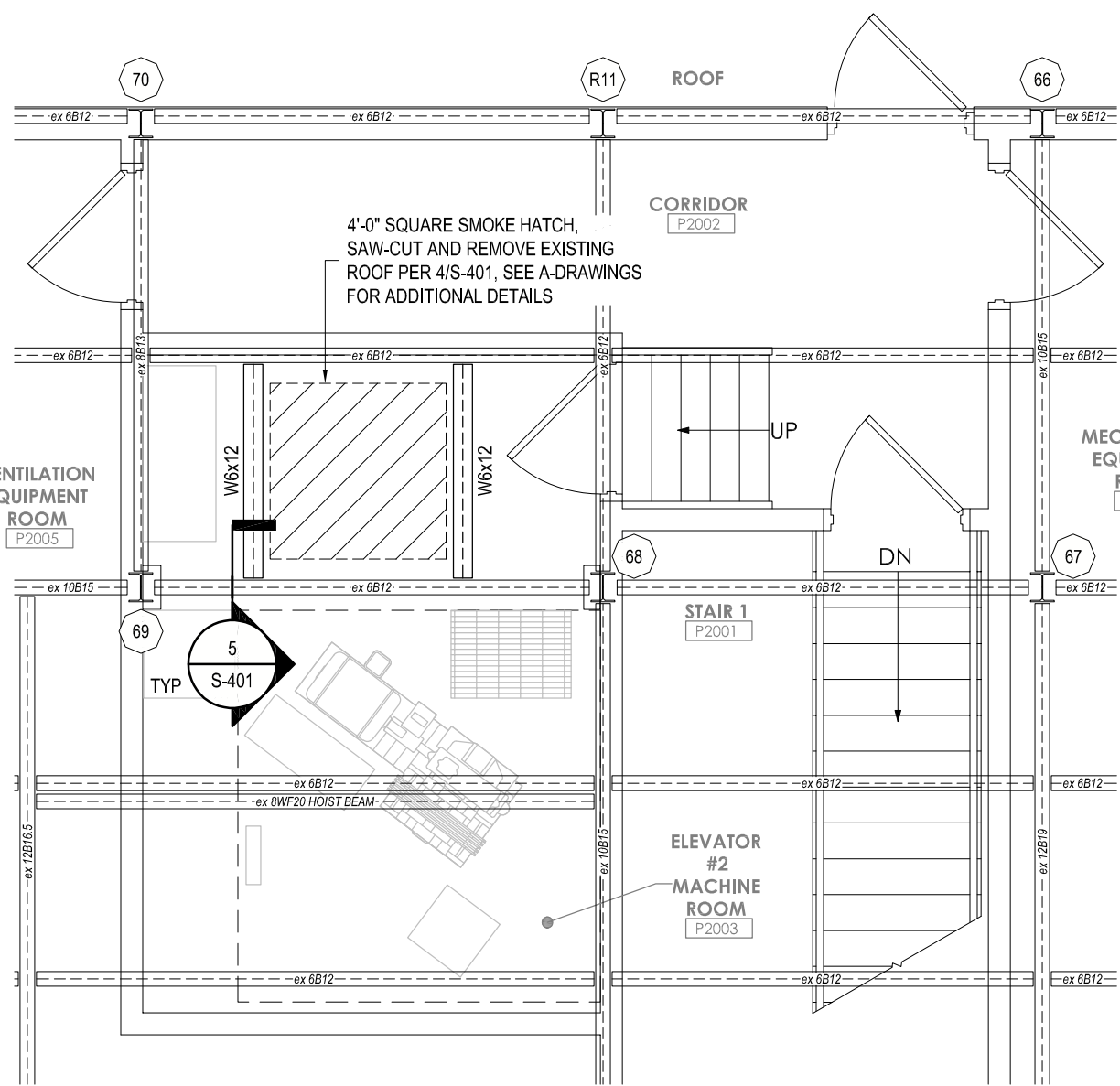
### 6 Loose lintel schedule

SCALE 1-1/2" = 1'-0"



### 3 Enlarged Riley Robb Roof Plan

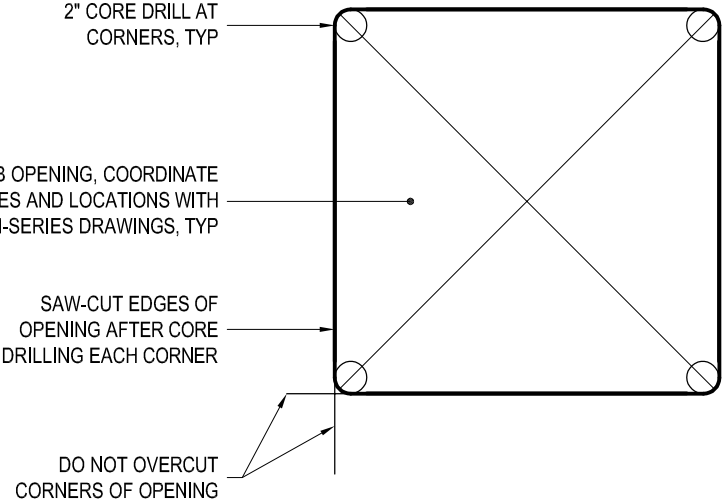
SCALE 1/4" = 1'-0"



### 1 Enlarged Morrison 2 Roof Plan

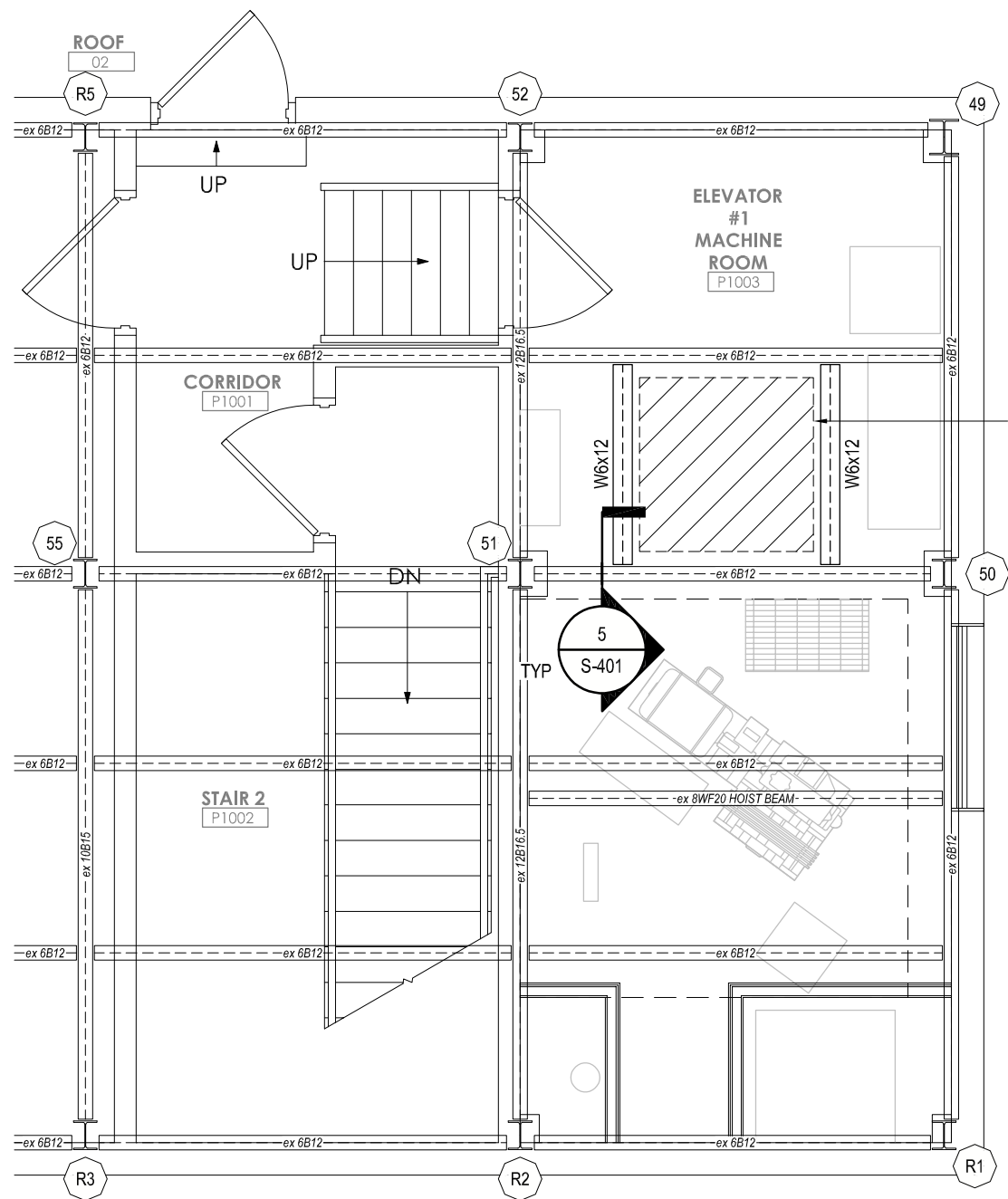
SCALE 1/4" = 1'-0"

STRUCTURAL DESIGN DATA	
RISK CATEGORY	III
SOIL BEARING CAPACITY	2,000 PSF (ASSUMED)
LIVE LOADS	LIVE LOADS
MACHINE ROOM FLOOR	150 PSF
CORRIDORS, LOBBIES, STAIRS, TYPICAL ROOMS	100 PSF
SNOW LOAD DESIGN	SNOW LOAD DESIGN
GROUND SNOW LOAD, Pg	46 PSF
FLAT ROOF SNOW LOAD, Pf	36 PSF
SNOW EXPOSURE FACTOR, Ce	1.0
SNOW LOAD IMPORTANCE FACTOR, Is	1.1
THERMAL FACTOR, Ct	1.0
DRIFT LOAD SURCHARGE	NOT APPLICABLE
WIND LOAD DESIGN	WIND LOAD DESIGN
BASIC DESIGN WIND SPEED, VbR	117 MPH
SERVICE DESIGN WIND SPEED, VbSD	91 MPH
WIND EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT, GCp	+/- 0.18
SEISMIC DESIGN	SEISMIC DESIGN
SEISMIC LOAD IMPORTANCE FACTOR, Is	1.25
MAPPED SPECTRAL RESPONSE ACCELERATION, Ss	0.146
MAPPED SPECTRAL RESPONSE ACCELERATION, S1	0.052
SPECTRAL RESPONSE COEFFICIENT, Sds	0.156
SPECTRAL RESPONSE COEFFICIENT, Sd1	0.083
SITE CLASSIFICATION (SOIL TYPE)	D (ASSUMED)
BASIC FORCE RESISTING SYSTEM	NOT APPLICABLE
SEISMIC DESIGN CATEGORY	B
RESPONSE MODIFICATION FACTOR, R	NOT APPLICABLE
SEISMIC RESPONSE COEFFICIENT, Cs	NOT APPLICABLE
ANALYSIS PROCEDURE	NOT APPLICABLE



### 4 Penetration in existing slab

SCALE 1" = 1'-0"



### 2 Enlarged Morrison 1 Roof Plan

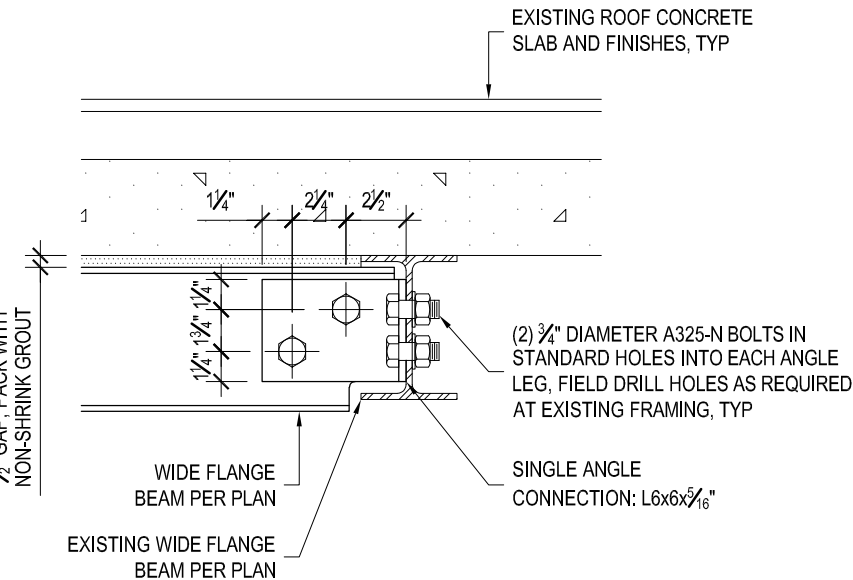
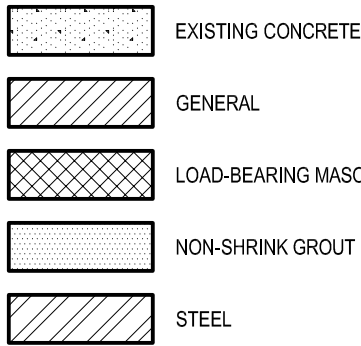
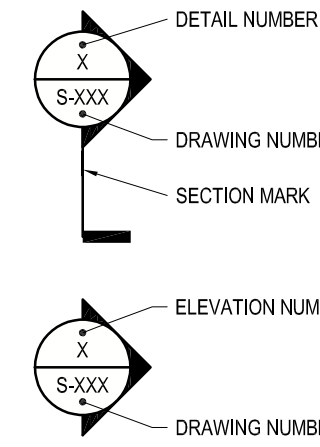
SCALE 1/4" = 1'-0"

## STRUCTURAL DRAWING LEGEND

NUMBER	TITLE
REF:	SCALE

#### STRUCTURAL DRAWING ABBREVIATIONS

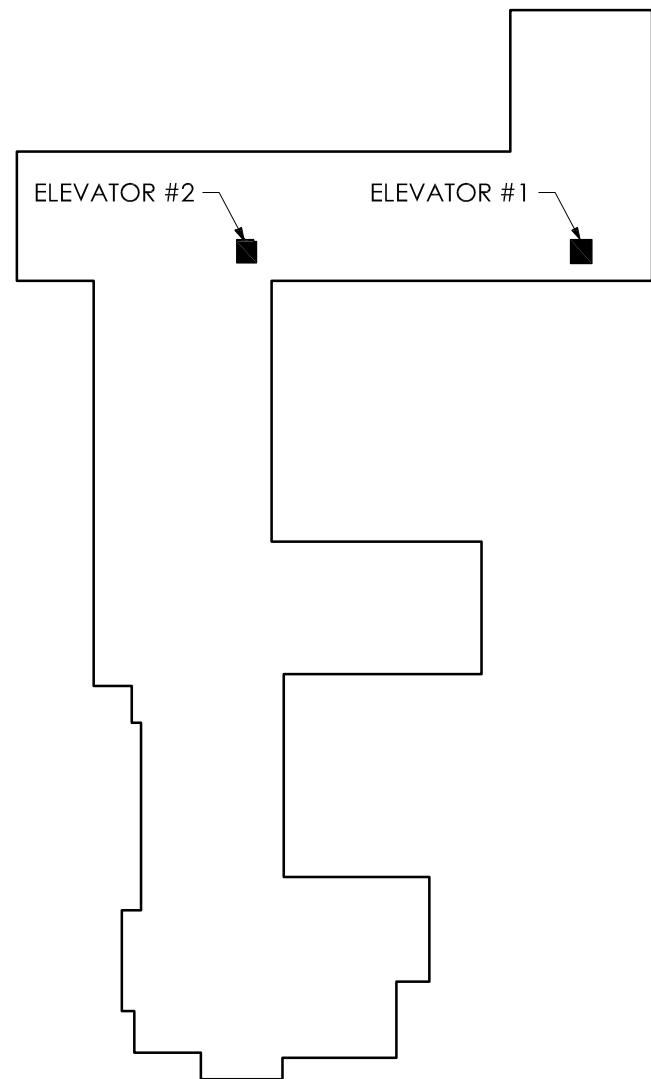
ADDL	ADDITIONAL ADJACENT APPROX	
B	BOTTOM OF BUILDING	
BLDG	BOTTOM BEARING	
BOT	BOTTOM BEARING	
BRG	CENTER LINE	
CMU	CONCRETE MASONRY UNIT	
CONC	CONCRETE	
CONT	CONTINUOUS	
COORD	COORDINATE	
DIA	DIAMETER	
DM	DIMENSION	
DO	DITTO	
DWG	DRAWING EACH	
EA	ELEVATION	
EL	EQUAL	
EQ	EQUAL	
GA	GAGE	
HDG	HOT DIP GALVANIZED	
HSS	HOLLOW STRUCTURAL SHAPE	
INFO	INFORMATION	
LLH	LONG LEG HORIZONTAL	
LLV	LONG LEG VERTICAL	
LOC	LOCATION	
MAX	MAXIMUM	
MIN	MINIMUM	
MISC	MISCELLANEOUS	
MO	MASONRY OPENING	
NTS	NOT TO SCALE	
NO	NUMBER	
OC	ON CENTER	
PAF	POWDER ACTUATED FASTENER	
PCF	POUNDS PER CUBIC FOOT	
PL	PLATE	
PLF	POUNDS PER LINEAL FOOT	
PSF	POUNDS PER SQUARE FOOT	
PSI	POUNDS PER SQUARE INCH	
REQD	REQUIRED	
REV	REVISED, REVISION	
RO	ROUGH OPENING	
SDWS	SELF-DRILLING WOOD SCREW	
SF	SQUARE FEET	
SIM	SIMILAR	
SQ	SQUARE	
T /	TOP OF	
TYP	TYPICAL	
UND	UNLESS NOTED OTHERWISE	
VERT	VERTICAL	
VIF	VERIFY IN FIELD	
W /	WITH	



### 5 Single angle connection at W6

SCALE 1-1/2" = 1'-0"

## Morrison Key Plan



## MATERIAL PROPERTIES:

MATERIALS BELOW ARE A DESIGN BASIS. SUBSTITUTIONS ARE PERMITTED ONLY WITH APPROVAL.

## MASONRY MATERIAL PROPERTIES:

1. CONCRETE MASONRY UNITS (CMU): ASTM C90 TYPE 1, 8-16 NOMINAL TWO CELL UNITS. PROVIDE SPECIAL SHAPES AT CORNERS, JAMBS, ETC. BOND BEAM SHALL BE SLOTTED STRETCHER BLOCK WITH SLOTTED WEBS TO ALLOW FOR CONTINUOUS REBAR IN HORIZONTAL AND VERTICAL DIRECTIONS. HEADER BLOCK SHALL BE U-SHAPED BOND BEAM BLOCK WITH SOLID BOTTOMS.
2. MORTAR TYPES: USE TYPE S MORTAR (PROPORTIONS BY VOLUME: PORTLAND CEMENT - HYDRATED LIME - SAND).
3. TYPE S PROPORTIONS 1 - 1/2 - 4 1/2
4. PORTLAND CEMENT: ASTM C150 GRAY UNO. USE WHITE PORTLAND CEMENT WHEN PIGMENTED
5. MORTAR IS SPECIFIED BY THE ARCHITECT.
6. HYDRATED LIME: ASTM C207 TYPE S UNO.
7. ASTM 476 COURSE SAND GROUT FOR MASONRY CORES, 2.500 PSI

## STEEL MATERIAL PROPERTIES:

1. WIDE FLANGE BEAMS: ASTM A992, 50 ksi.
2. OTHER ROLLED SHAPES: ASTM A36, 36 ksi.
3. BOLTS CONNECTING STEEL MEMBERS, ASTM A325, OR ASTM F1852
4. WELDING: ALL SHOP AND FIELD WELDING PER CURRENT AWS CODE AND AISC, CONDUCTED BY PERSONNEL WITH CURRENT CERTIFICATIONS FOR ALL TYPES AND POSITIONS OF WELDS PERFORMED.
5. WELDING ELECTRODES: E70XX UNO.
6. NON SHRINK GROUT: (UNDER BASEPLATES) SIKAGROUT 212.

## FASTENER AND ADHESIVE MATERIAL PROPERTIES:

1. EXPANSION STUD ANCHORS: HILTI KWIK-BOLT; HOT-DIP GALVANIZED UNO
2. STUD ANCHORS (THREADED ROD) IN CONCRETE: HILTI HIT-HY 200 ADHESIVE.
3. STUD ANCHORS (THREADED ROD) IN HOLLOW AND SOLID MASONRY: HILTI HIT-HY 270 ADHESIVE.

## CONSTRUCTION NOTES:

### GENERAL:

1. DESIGN IS PER THE 2020 BUILDING CODE OF NEW YORK STATE (BCNYS) AND THE 2020 EXISTING BUILDING CODE OF NEW YORK STATE, COLLECTIVELY REFERRED TO AS THE (BCNYS).
2. THESE STRUCTURAL DRAWINGS ARE NOT INTENDED AS STAND ALONE DOCUMENTS. REFER TO FULL CONSTRUCTION DOCUMENT PACKAGE FOR COMPLETE PROJECT INFORMATION AND DETAILS.
3. VERIFY ALL DIMENSIONS IN THE FIELD AS WORK PROGRESSES AND REPORT ANY DISCREPANCIES BETWEEN EXISTING WORK AND CONTRACT DOCUMENTS TO ARCHITECT AND ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH WORK.
4. DO NOT SCALE DRAWINGS.
5. ALL DETAILS AND NOTES ARE TYPICAL UNO.
6. PROVIDE ALL TEMPORARY SHORING AS REQUIRED BY THE MEANS AND METHODS UNDERTAKEN.
7. RETAIN A LICENSED PROFESSIONAL ENGINEER FOR THE DESIGN OF ALL TEMPORARY SHORING FOR REVIEW BY THE ENGINEER OF RECORD (EOR).
8. COMPONENTS NECESSARY FOR CONSTRUCTION SAFETY ARE THE FULL RESPONSIBILITY OF THE CONTRACTOR AND THE MEANS AND METHODS UNDERTAKEN.
9. OBSERVE ALL CURRENT OSHA REQUIREMENTS.
10. SEE SPECIAL INSPECTION (SI) TABLES IN THE PROJECT MANUAL FOR THE INSPECTIONS TO BE PERFORMED. THE CONTRACTOR SHALL SCHEDULE WORK AND ALLOW ACCESS FOR THE INSPECTIONS TO OCCUR. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE AMPLE TIME TO SCHEDULE SPECIAL INSPECTIONS LISTED.

## MASONRY CONSTRUCTION NOTES:

1. USE MATERIALS FROM A SINGLE SOURCE FOR EACH TYPE OF MATERIAL THROUGHOUT THE PROJECT.
2. DO NOT USE MORTAR AS GROUT TO FILL CMU CORES. USE OF MORTAR AS GROUT IS CAUSE FOR REJECTION AND REPLACEMENT OF THE WORK.
3. DO NOT USE ADMIXTURES IN THE MORTAR UNLESS APPROVED IN WRITING.

## STRUCTURAL STEEL FABRICATION / ERECTION NOTES:

1. FABRICATE STRUCTURAL STEEL COMPONENTS IN A SHOP WITH PERSONNEL SPECIALIZING IN THIS WORK AND HAVING A MINIMUM OF FIVE YEARS EXPERIENCE ON PROJECTS OF SIMILAR SCOPE AND COMPLEXITY.
2. PERFORM ALL WELDING BY PERSONNEL HAVING CURRENT AWS CERTIFICATION FOR THE TYPE OF WORK PERFORMED.
3. PREPARE AND SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BEFORE ORDERING MATERIALS OR BEGINNING SHOP FABRICATION.
4. SHOP DRAWINGS SHALL NOT CONTAIN NOTATIONS FOR FIELD VERIFICATION OF DIMENSIONS OR CONDITIONS. ALL FIELD CONDITIONS SHALL BE FULLY VERIFIED BEFORE SHOP DRAWINGS ARE SUBMITTED FOR REVIEW. INCOMPLETE SHOP DRAWINGS OR DRAWINGS WITH THESE NOTATIONS WILL BE RETURNED FOR CORRECTION WITHOUT REVIEW



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FAX: 585-388-2070

## MORRISON HALL AND RILEY-ROBB HALL

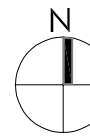
## ELEVATOR REPLACEMENTS

CORNELL UNIVERSITY

507 TOWER ROAD (1064 MORRISON)

111 WING DRIVE (1062 RILEY-ROBB)

ITHACA, NY 14853



## BID DOCUMENTS

10/27/2023

### REVISIONS

NO.	DESCRIPTION	DATE

## MORRISON AND RILEY ROBB ENLARGED FLOOR PLANS AND DETAILS

A/r JOB NO.: 190.114

CLIENT NO.: 161042

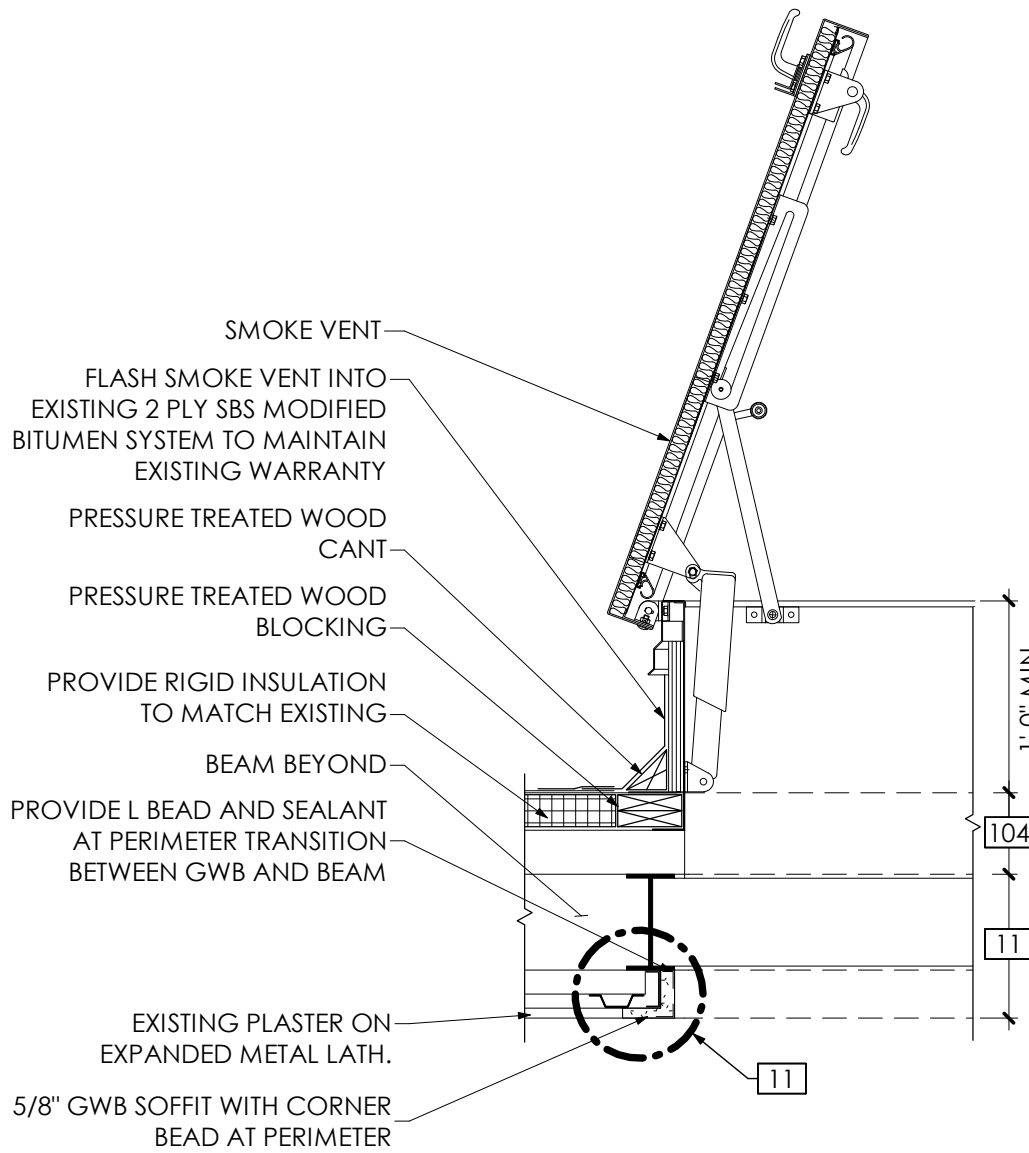
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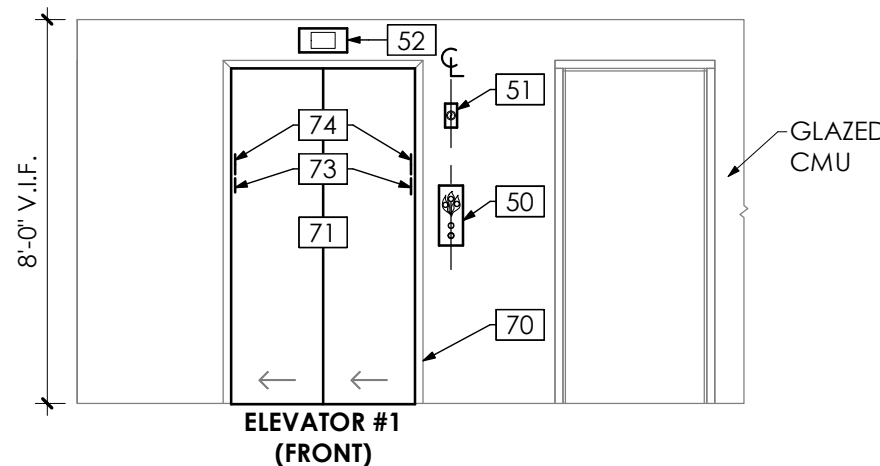
S-401



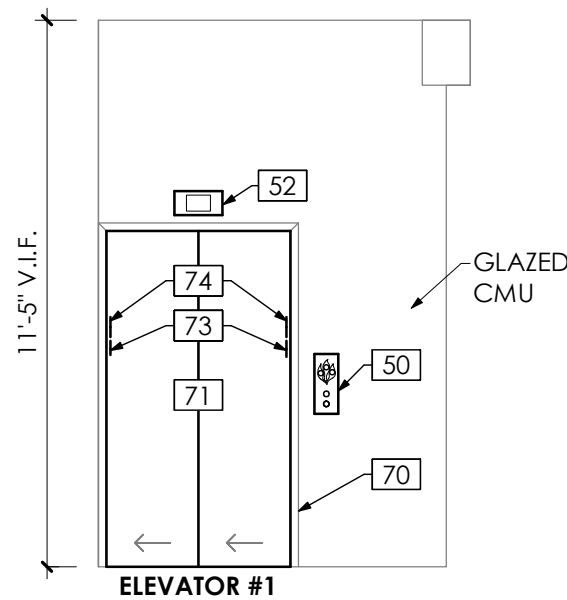
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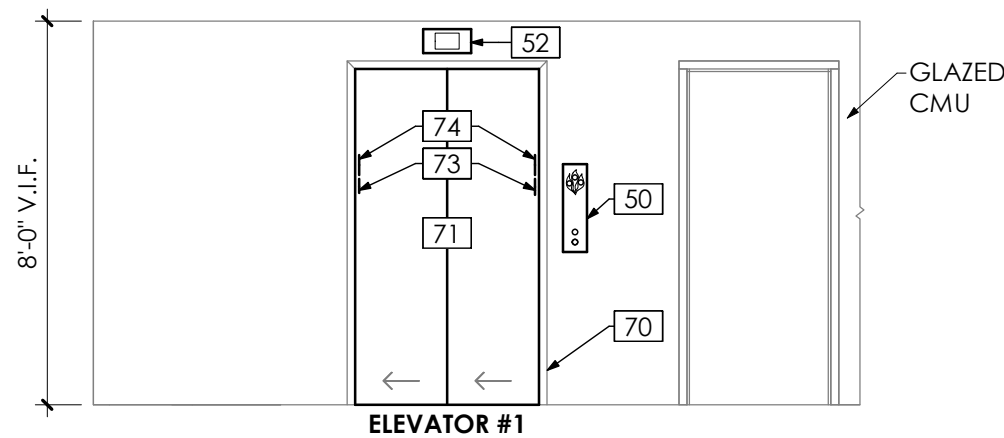
**10 Smoke Vent Detail**  
1" = 1'-0"



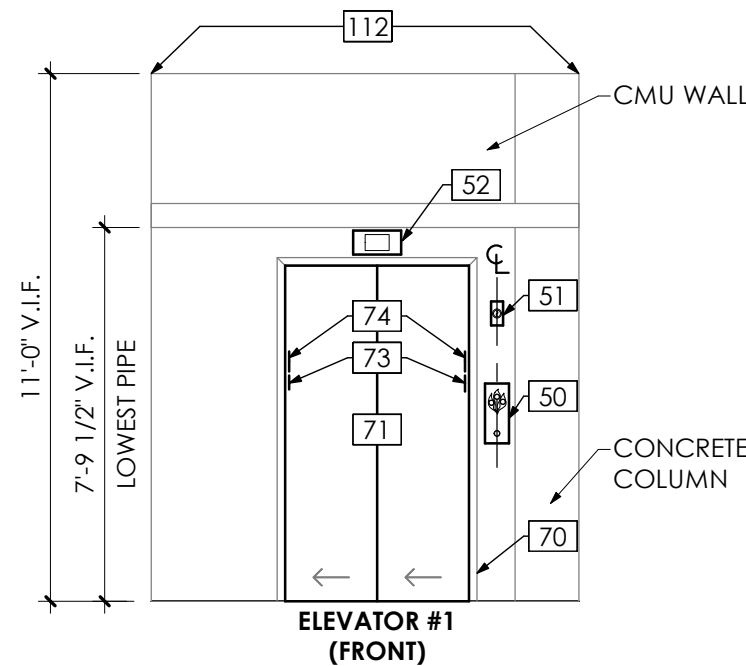
**8 Typical Floor Elevation (2-4)**  
1/4" = 1'-0"



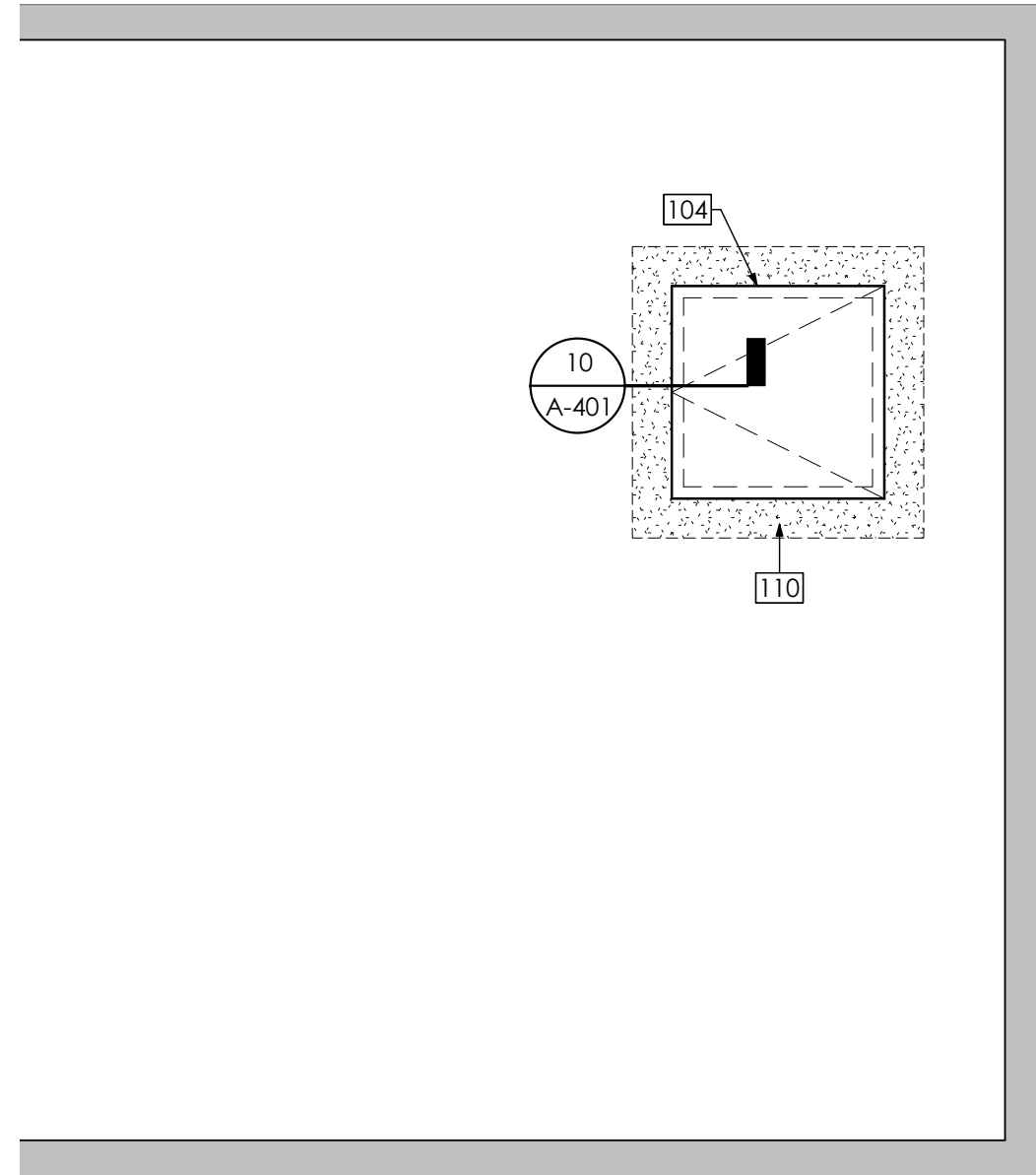
**9 First Floor Elevation**  
1/4" = 1'-0"



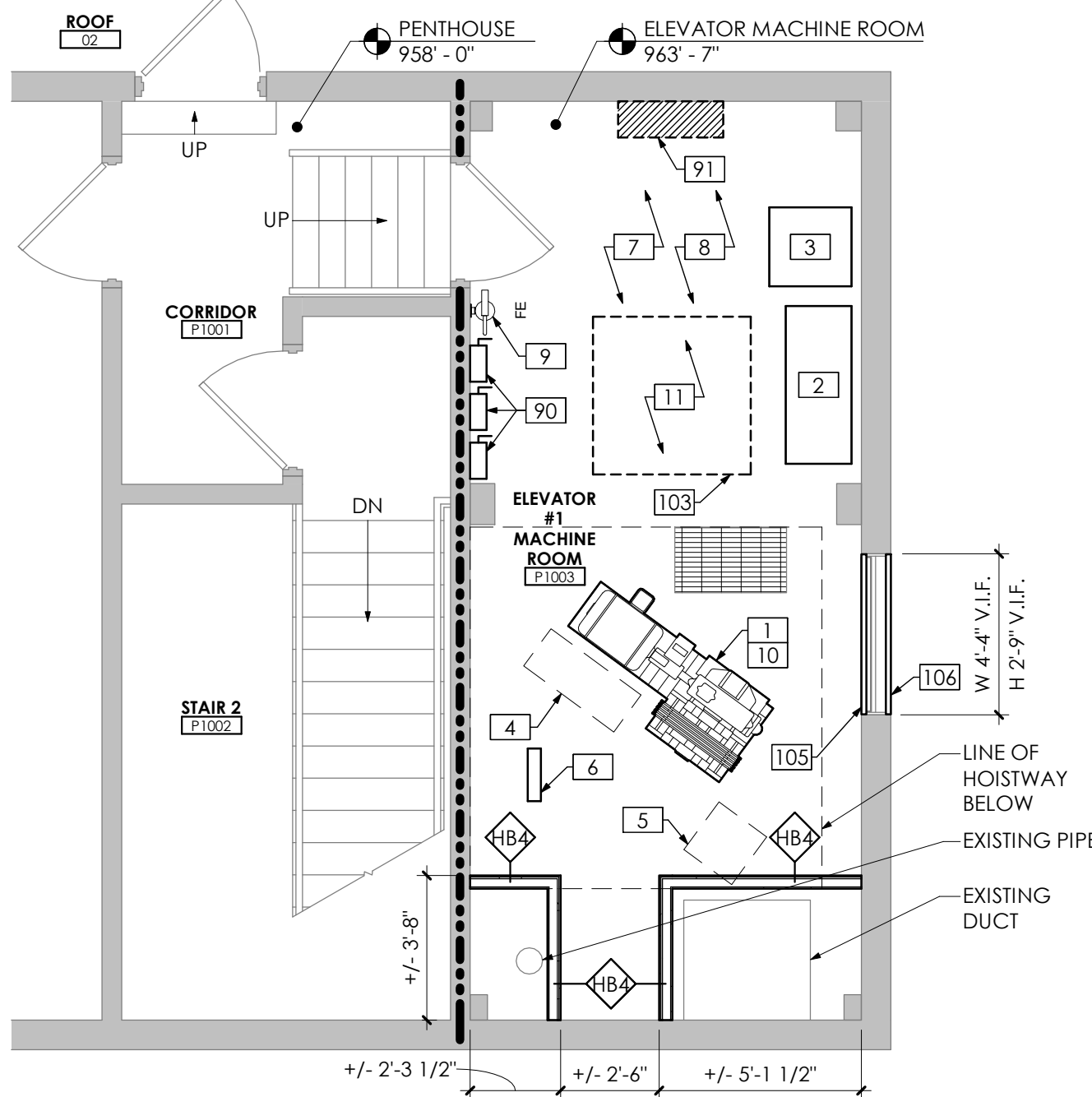
**7 First Floor Elevation**  
1/4" = 1'-0"



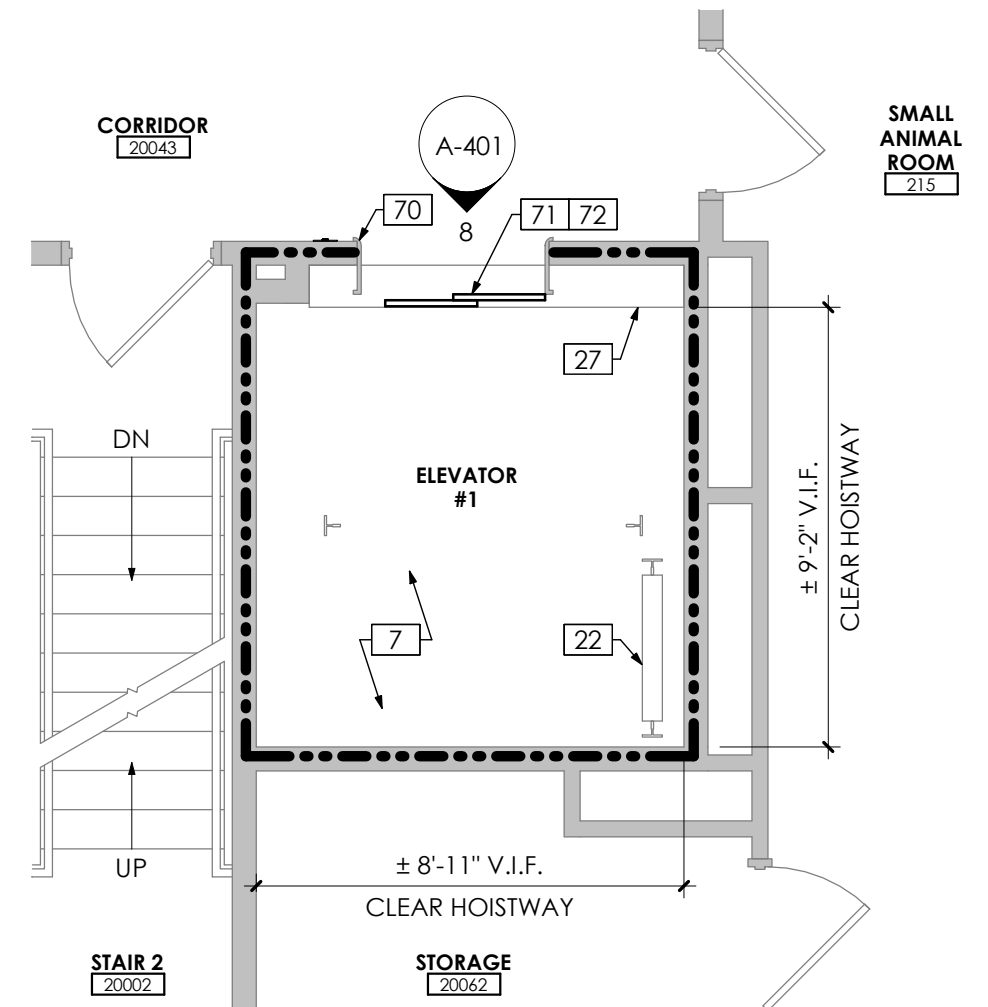
**6 Basement Elevation**  
1/4" = 1'-0"



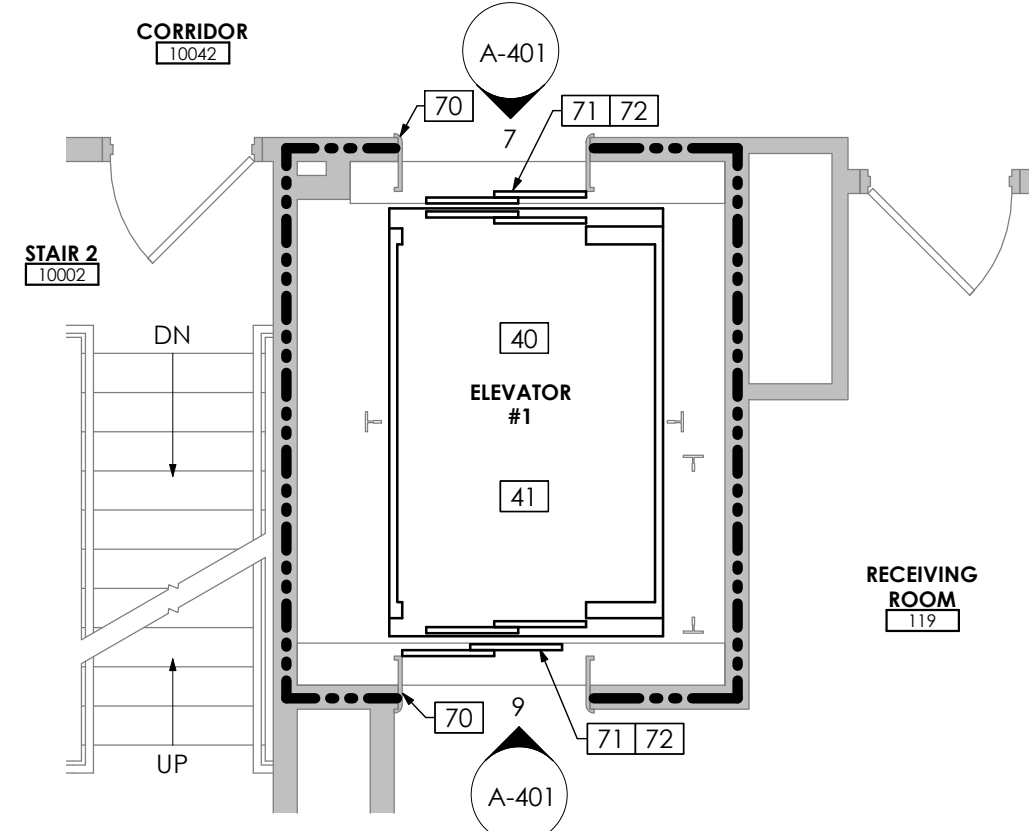
**5 Enlarged Roof Plan**  
1/4" = 1'-0"



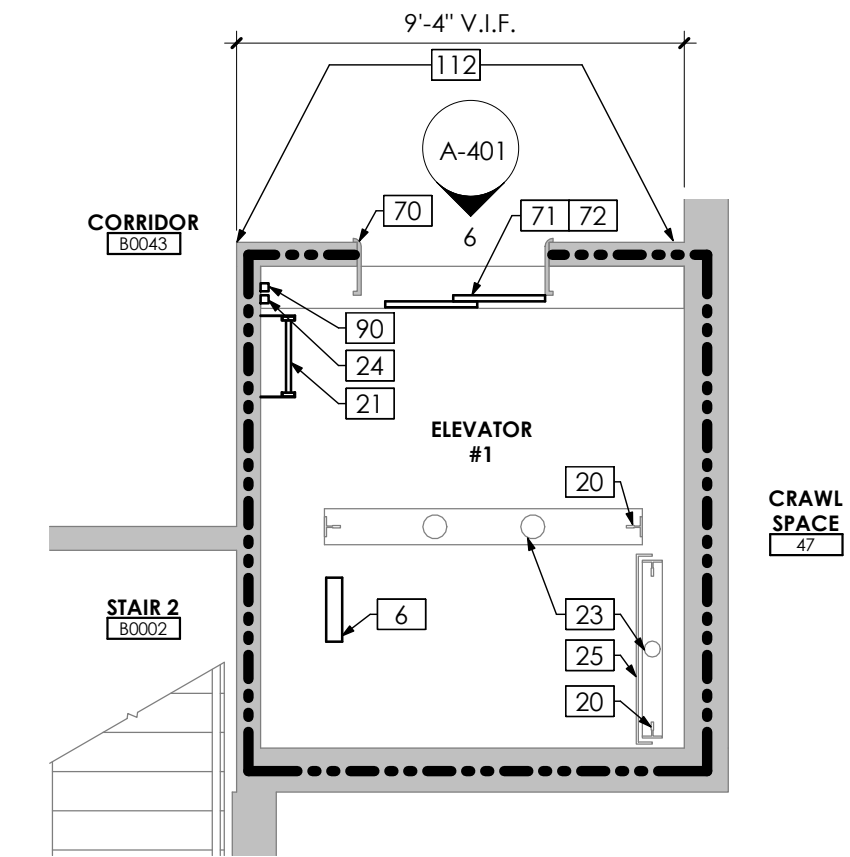
**4 Enlarged Penthouse Plan**  
1/4" = 1'-0"



**3 Enlarged Typical Floor Plan (2-4)**  
1/4" = 1'-0"



**2 Enlarged First Floor Plan**  
1/4" = 1'-0"



**1 Enlarged Basement Floor Plan**  
1/4" = 1'-0"

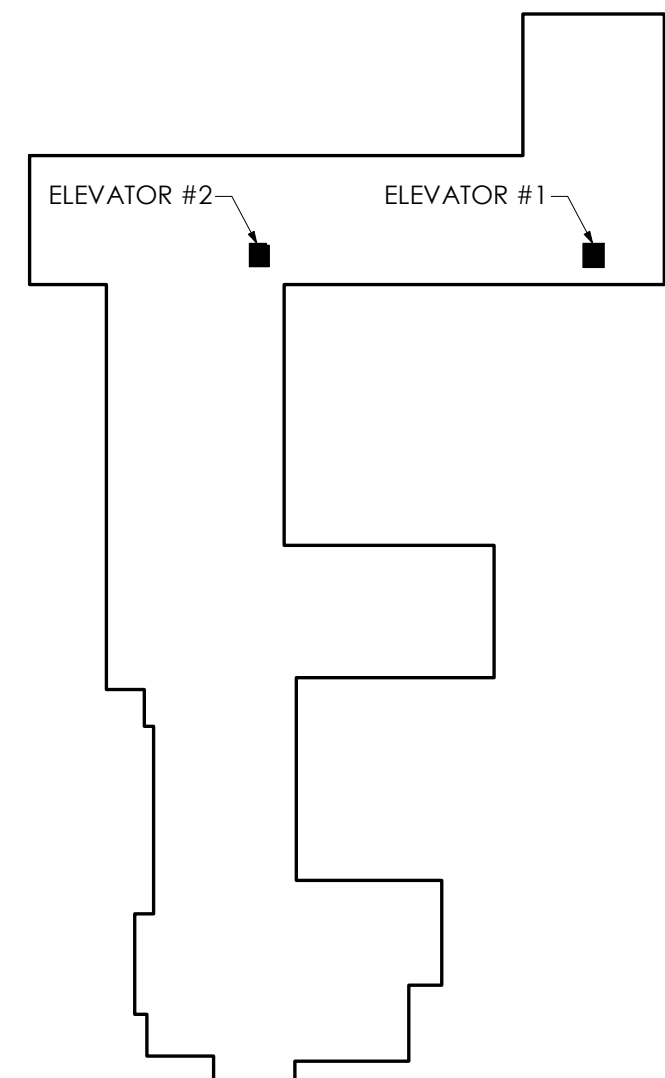
## General Notes

- ROOF SHALL REMAIN WEATHERTIGHT DURING CONSTRUCTION - ROOF SYSTEM SHALL ONLY BE REMOVED TO THE EXTENT REQUIRED FOR WORK BEING PERFORMED AND CAN BE MADE WEATHERTIGHT EACH DAY
- ALL ROOF WORK PERFORMED AT MORRISON IS TO BE PERFORMED MAINTAINING THE CURRENT WARRANTY IN EFFECT.
  - MANUFACTURE: JOHNS MANVILLE
  - WARRANTY NUMBER: TR110042 EX 2032
  - ROOF TYPE: 2PLY SBS MODIFIED BITUMEN
  - INSTALLED BY: TITAN ROOFING CO. IN 2011

## Drawing Notes

- REMOVE EXISTING GEARED HOISTING EQUIPMENT, INCLUDING BED PLATE - PROVIDE GEARED ELEVATOR HOISTING MACHINE AND ALL ASSOCIATED EQUIPMENT INCLUDING EMERGENCY BRAKE, BLOCKING BEAMS, AND DEFLECTOR SHEAVE
- REMOVE EXISTING ELEVATOR CONTROL SYSTEM - PROVIDE ELEVATOR CONTROL SYSTEM
- PROVIDE ELEVATOR DRIVE ISOLATION TRANSFORMER
- REMOVE EXISTING MOTOR GENERATOR
- REMOVE EXISTING POSITIONING SYSTEM
- REMOVE EXISTING GOVERNOR AND TENSION SHEAVE IN ITS ENTIRETY - PROVIDE GOVERNOR AND TENSION SHEAVE
- PATCH AND FIRESTOP EXISTING HOISTWAY AND MACHINE ROOM TO MATCH FIRE RATING - PATCH WHERE REQUIRED - FINISH SHALL MATCH EXISTING WALL CONSTRUCTION UNLESS OTHERWISE NOTED - APPROXIMATELY 15 SQUARE FEET
- PREPARE AND PAINT ELEVATOR MACHINE ROOM FLOOR - PT#4
- PROVIDE WALL MOUNTED FIRE EXTINGUISHER
- PROVIDE BATTERY LOWERING UNIT
- REMOVE EXISTING CEILING SYSTEM INCLUDING SUPPORT AS REQUIRED TO ALLOW FOR THE INSTALLATION OF SCHEDULED SMOKE HATCH - COORDINATE REMOVAL WORK WITH STRUCTURAL AND MECHANICAL DRAWINGS - REFRAME OPENING TO PROVIDE A VERTICAL TERMINATION AT THE UNDERSIDE OF THE W6x12s ABOVE AT PERIMETER OF SMOKE HATCH - REFER TO DETAILS
- EXISTING GUIDE RAILS AND PIT STEEL TO REMAIN - PREPARE AND PAINT - PT#2
- REMOVE EXISTING PIT LADDER - PROVIDE STATIONARY PIT LADDER WITHIN REACH OF HOISTWAY DOOR UNLOCKING DEVICE
- REFURBISH EXISTING COUNTERWEIGHT ASSEMBLY AS SPECIFIED
- EXISTING BUFFERS AND BUFFER STEEL TO REMAIN - PREPARE AND PAINT STEEL - PT#2
- REMOVE EXISTING STOP SWITCH - PROVIDE STOP SWITCH ADJACENT TO LADDER
- PREPARE AND PAINT EXISTING COUNTERWEIGHT GUARD
- EXISTING HOISTWAY SILL TO REMAIN - CLEAN, PREP, AND PAINT - PT#5 - TYPICAL AT EACH LANDING
- PROVIDE CAR TOP INSPECTION STATION AND GUARD RAIL
- REMOVE EXISTING ELEVATOR CAR SHELL, WALL PANELS, CEILING, FLOORING, DOORS, AND DOOR HARDWARE - REBUILD EXISTING CAR PLATFORM AND FRAME - PROVIDE ELEVATOR CAR SHELL, WALL PANELS, CEILING, FLOORING, DOORS, AND DOOR HARDWARE - REFER TO SHEET A-501 & A-502 FOR CAR INTERIOR DETAILS
- REMOVE EXISTING FLUSH MOUNTED HALL CALL STATION IN ITS ENTIRETY - SAWCUT AND ENLARGE OPENING IN WALL AS REQUIRED - PROVIDE HALL CALL STATION, BACKBOX, AND FIRESTOP OR INFILL AROUND BACKBOX TO MAINTAIN RATING - REFER TO A-501 & A-502 FOR HALL CALL FIXTURE
- PROVIDE HOISTWAY ACCESS FIXTURE AT TERMINAL LANDINGS, SAWCUT WALL AS REQUIRED AND FIRESTOP OR INFILL AROUND BACKBOX TO MAINTAIN RATING - REFER TO A-501 & A-502 FOR HOISTWAY ACCESS FIXTURE
- PROVIDE FLUSH MOUNTED POSITION INDICATOR AND BACKBOX - SAWCUT WALL AS REQUIRED - FIRESTOP OR INFILL AROUND BACKBOX TO MAINTAIN RATING - REFER TO A-501 & A-502 FOR POSITION INDICATOR FIXTURE
- EXISTING HOISTWAY DOOR FRAMES TO REMAIN - PREPARE, PRIME, AND PAINT - PT#2
- REMOVE EXISTING HOISTWAY DOOR PANELS, HARDWARE, AND ASSOCIATED EQUIPMENT - PROVIDE HOISTWAY DOOR PANELS, HARDWARE, AND ASSOCIATED EQUIPMENT - DOORS TO BE FACTORY PRIMED AND FIELD PAINTED TO MATCH EXISTING - PT#2 - COORDINATE DOOR REMOVAL WITH HAZARDOUS MATERIAL, (HMA), DRAWINGS
- REMOVE EXISTING HANGER ASSEMBLY, TRACKS, AND CLOSER - RETAIN EXISTING ENTRANCE STRUTS AND HEADER - PROVIDE HANGER ASSEMBLY TRACKS, AND CLOSER
- PROVIDE ELEVATOR IDENTIFICATION SIGNAGE AT TERMINAL LANDINGS AND DESIGNATED AND ALTERNATE RECALL LEVELS - TYPICAL EACH SIDE OF JAMB
- PROVIDE FLOOR IDENTIFICATION SIGNAGE - TYPICAL EACH SIDE OF JAMB AT EACH ENTRANCE
- APPROXIMATE LOCATION OF ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL DRAWINGS
- APPROXIMATE LOCATION OF HVAC EQUIPMENT - REFER TO MECHANICAL DRAWINGS
- SMOKE VENT ABOVE
- REMOVE EXISTING ROOF SYSTEM AND CONCRETE DECK AS REQUIRED FOR THE INSTALLATION OF SMOKE VENT - PROVIDE A 48-INCH X 48-INCH SMOKE VENT WITH 12-INCH CURB, MOUNTED DIRECTLY TO THE DECK - FLASH EXISTING ROOF SYSTEM INTO CURB - COORDINATE WITH STRUCTURAL DRAWINGS FOR SUPPORT.
- PROVIDE INSULATED BLANK OFF PANEL AT INTERIOR SIDE OF SMOKE VENT - BASIS OF DESIGN: CONSTRUCTION SPECIALTIES, INSULATED BLANK-OFF MODEL # IBO-2S
- PROVIDE 16GA MINIMUM ALUMINUM BLANK OFF PANEL AT EXTERIOR SIDE OF VENT - PROVIDE SEALANT BEHIND THE PANEL AT TOP AND SIDES AND MECHANICALLY FASTEN TO VENT AT 6" O.C. 1" MAX FROM ENDS
- MINIMIZE AFFECTED ROOF AREA FOR INSTALLATION AND FLASHING OF HATCH - PROTECT AND FLASH ROOF AS REQUIRED TO MAINTAIN WARRANTY - PROVIDE MINIMUM 6-INCH LAP OF VAPOR BARRIER ONTO EXISTING VAPOR BARRIER
- PATCH AND PAINT EXISTING CMU WALL TO EXTENT INDICATED - PT#3

## Key Plan



SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853



## BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

MORRISON  
ENLARGED FLOOR  
PLANS AND  
ELEVATIONS

A1r JOB NO.: 190.114  
CLIENT NO: 161042  
DRAWN BY: CMV  
SHEET NO:

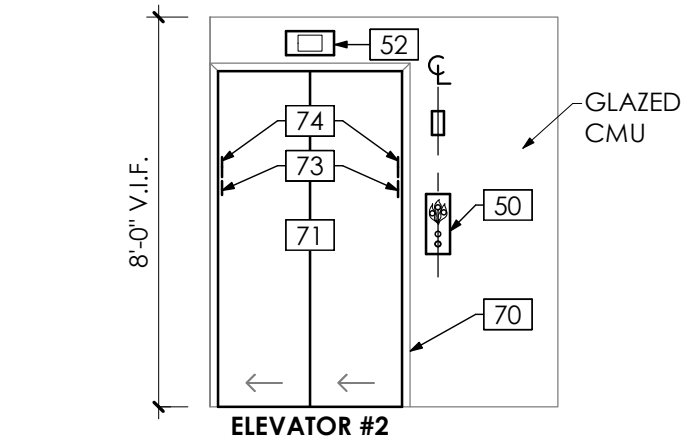
**A-401**



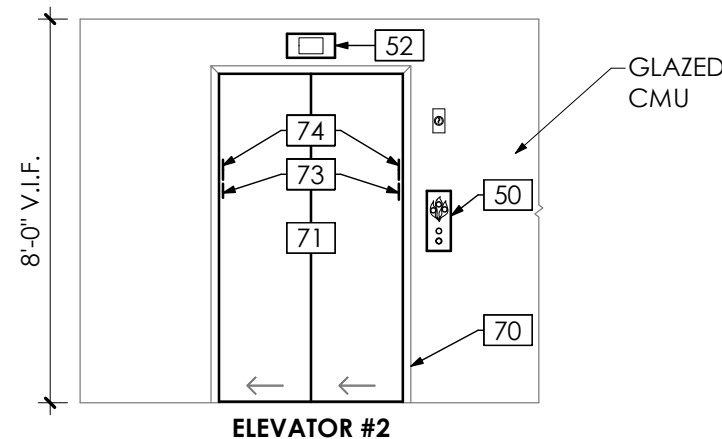
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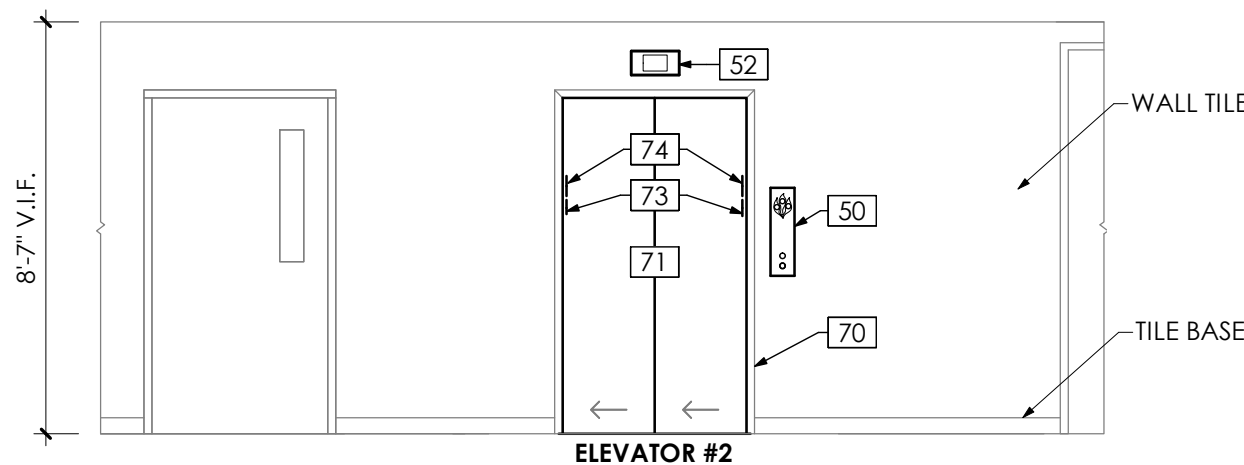
6 Enlarged Roof Plan  
1/4" = 1'-0"



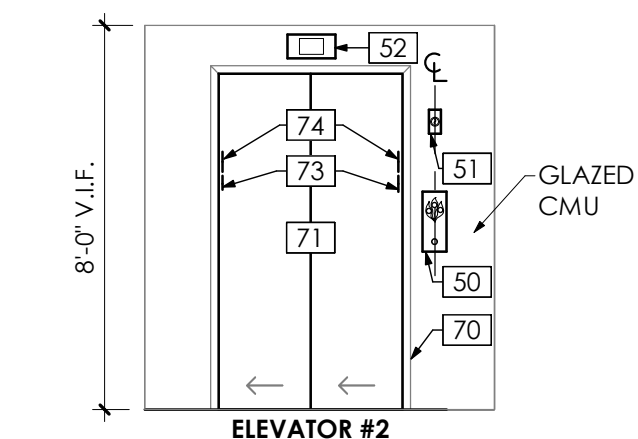
7 Typical Floor Elevation (3-4)  
1/4" = 1'-0"



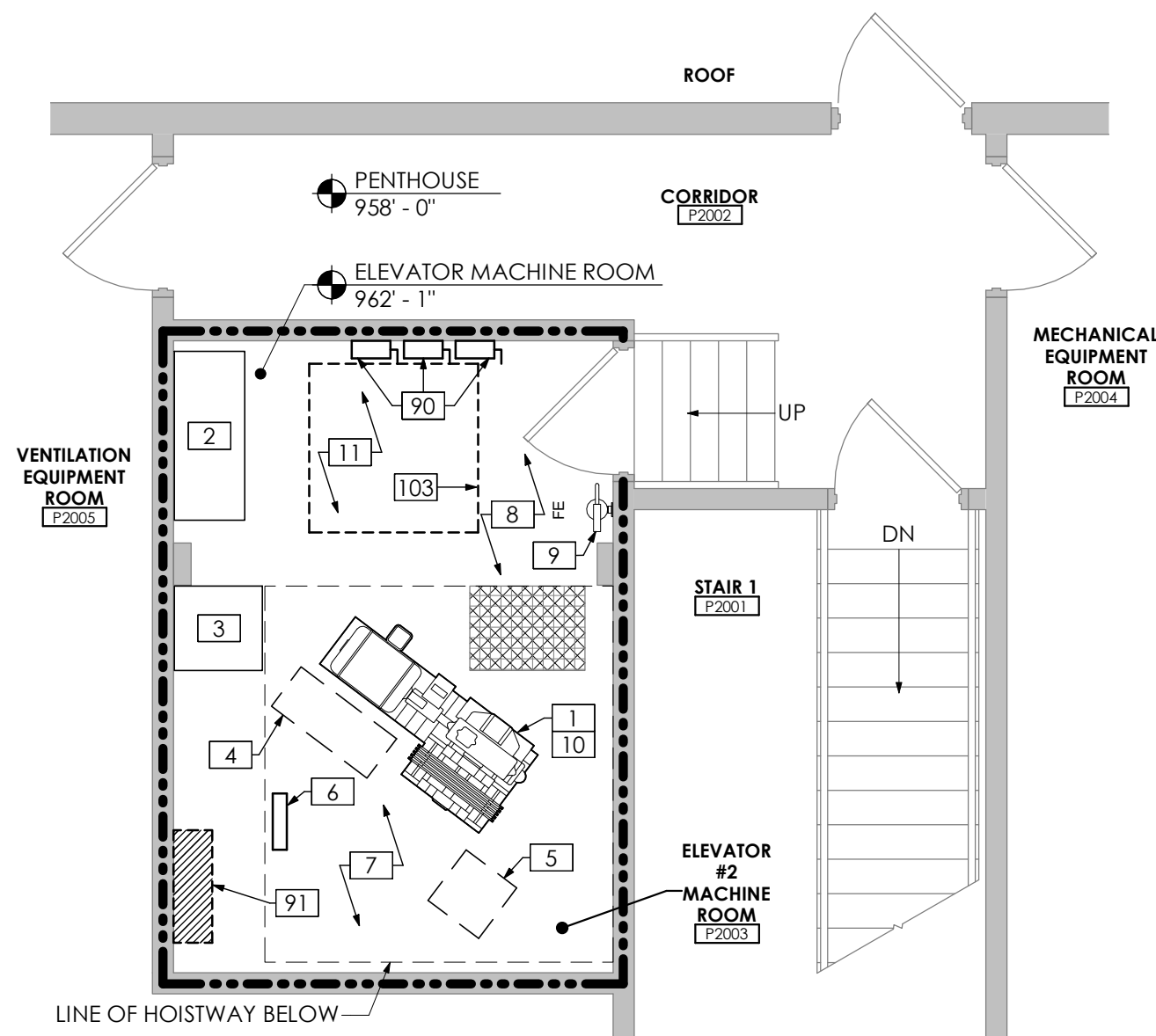
8 Second Floor Elevation  
1/4" = 1'-0"



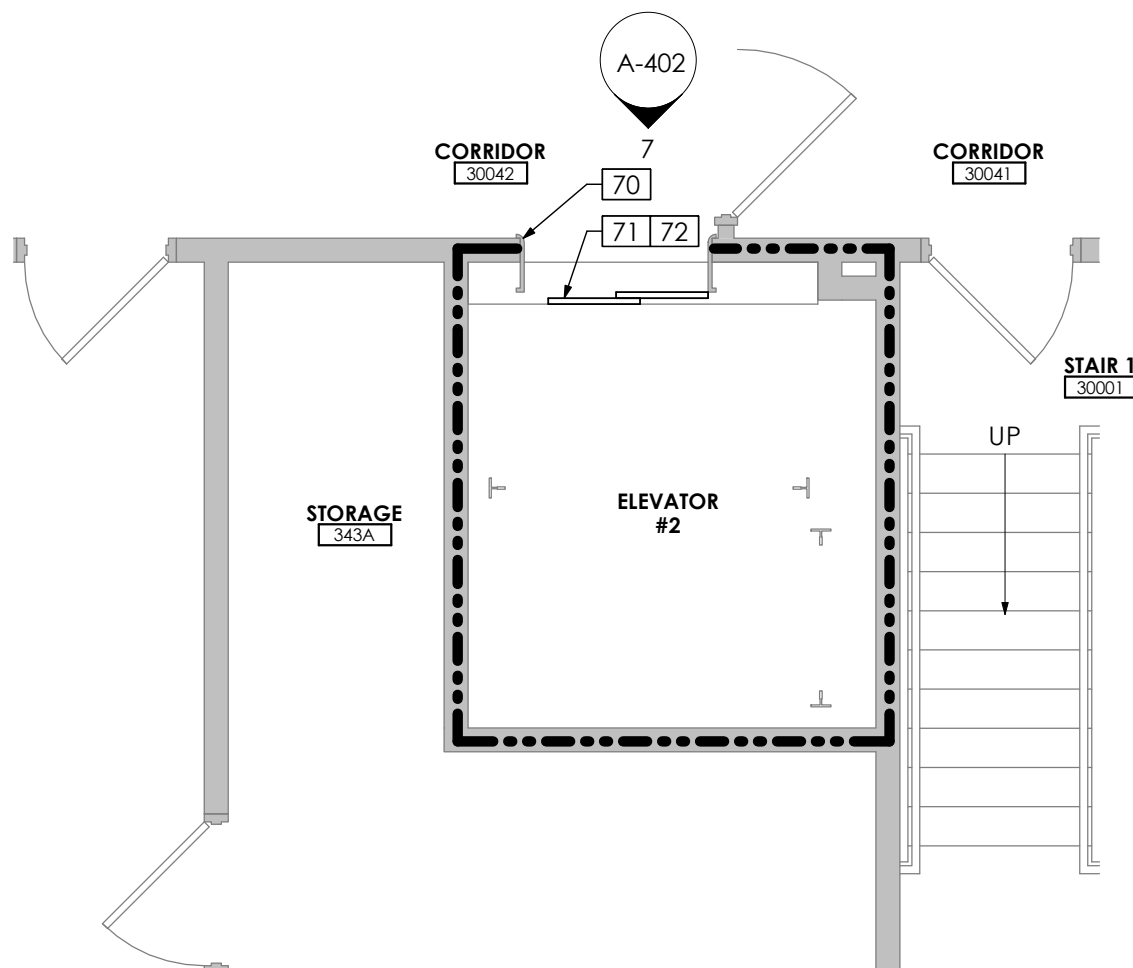
9 First Floor Elevation  
1/4" = 1'-0"



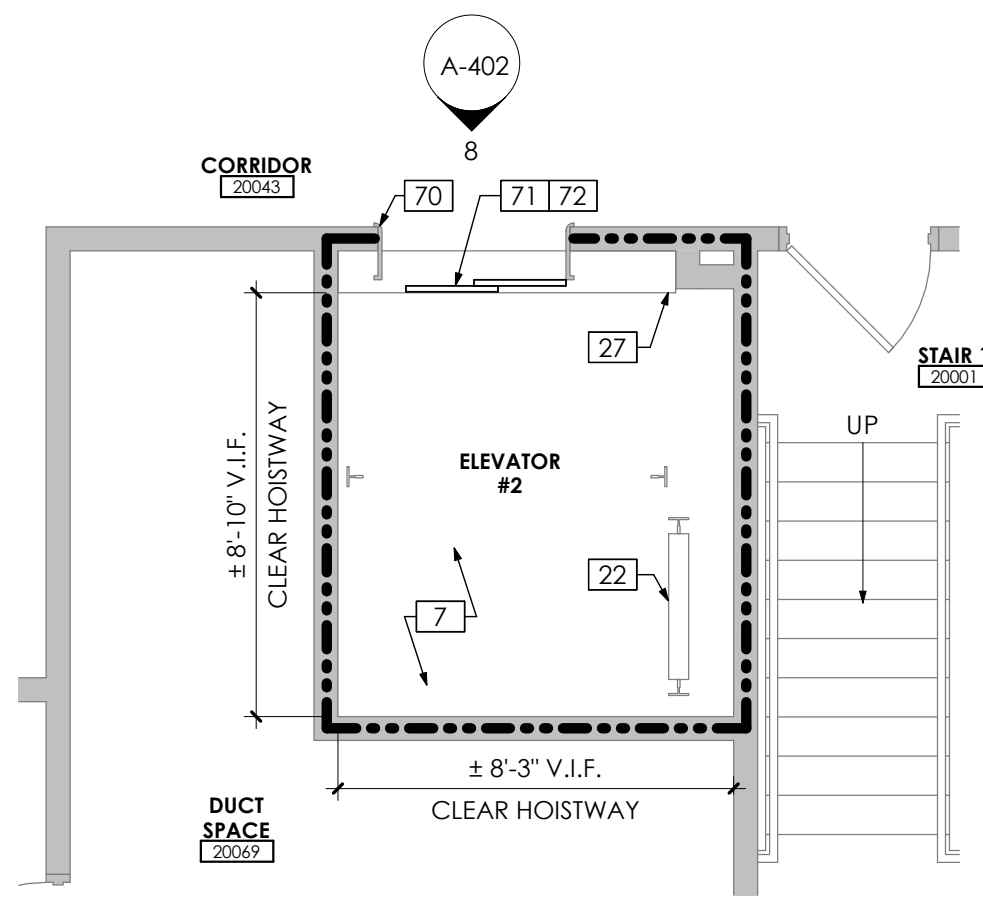
10 Basement Elevation  
1/4" = 1'-0"



5 Enlarged Penthouse Plan  
1/4" = 1'-0"

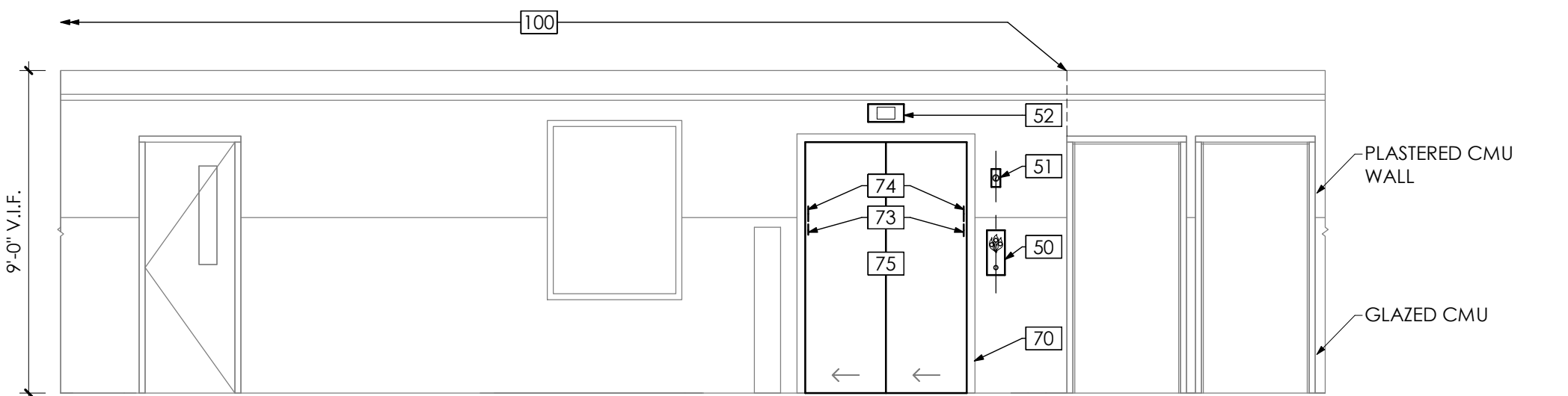


4 Enlarged Typical Floor Plan (3-4)  
1/4" = 1'-0"

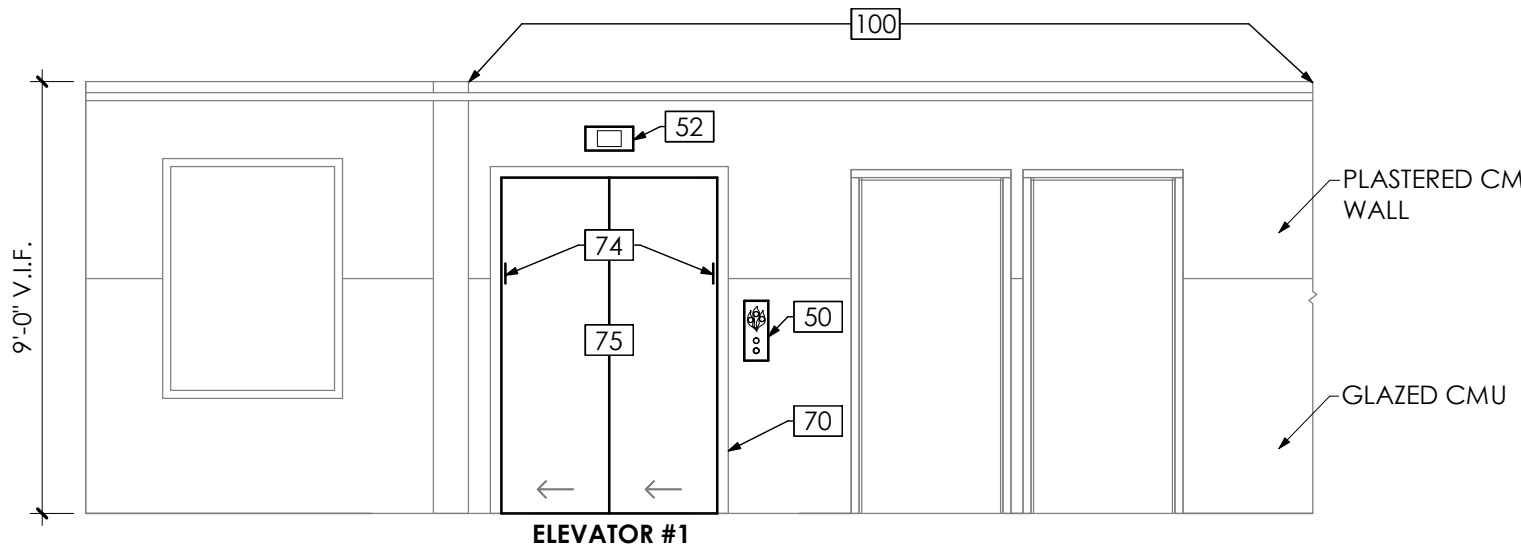




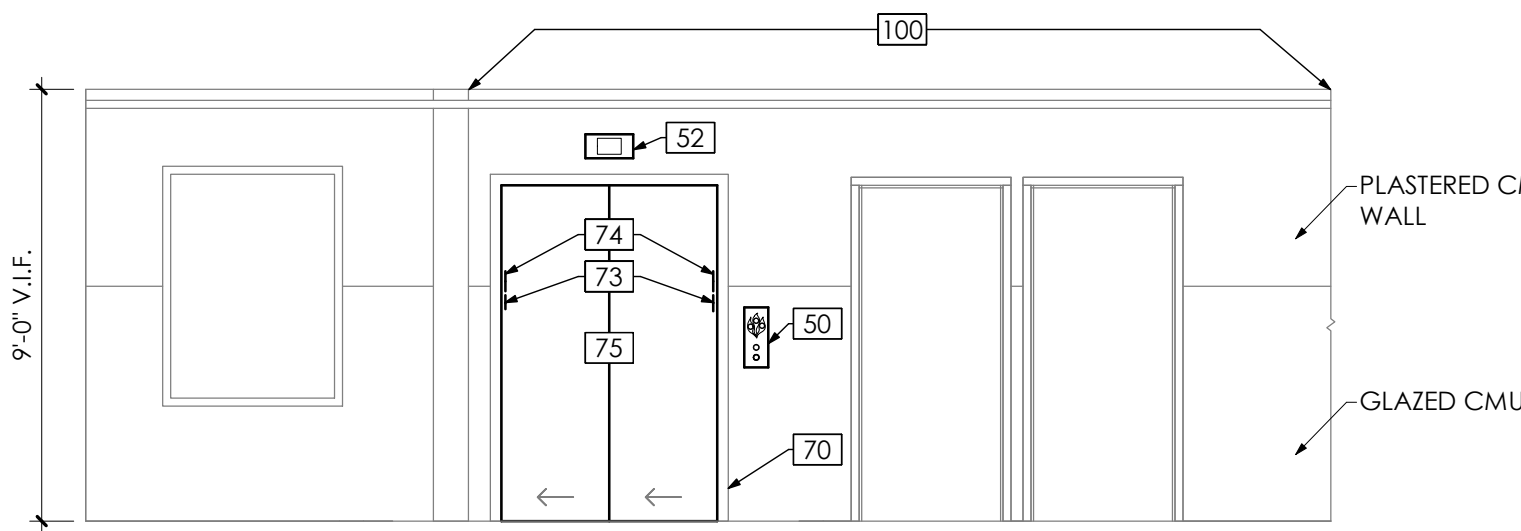
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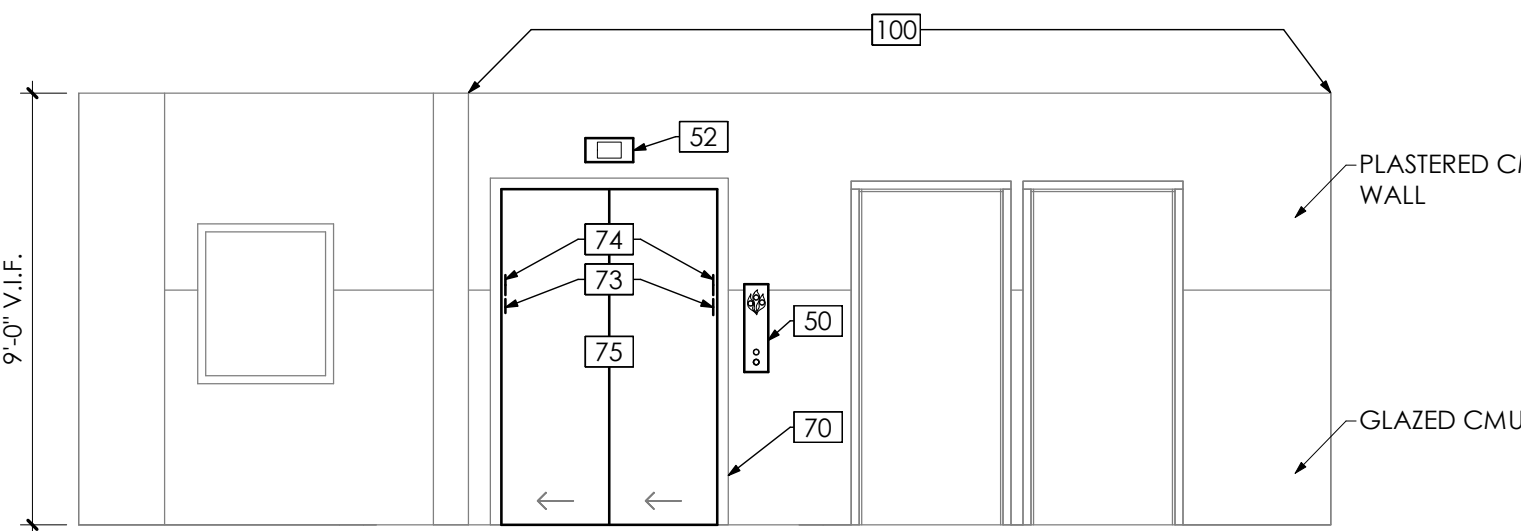
11 Fourth Floor Elevation  
1/4" = 1'-0"



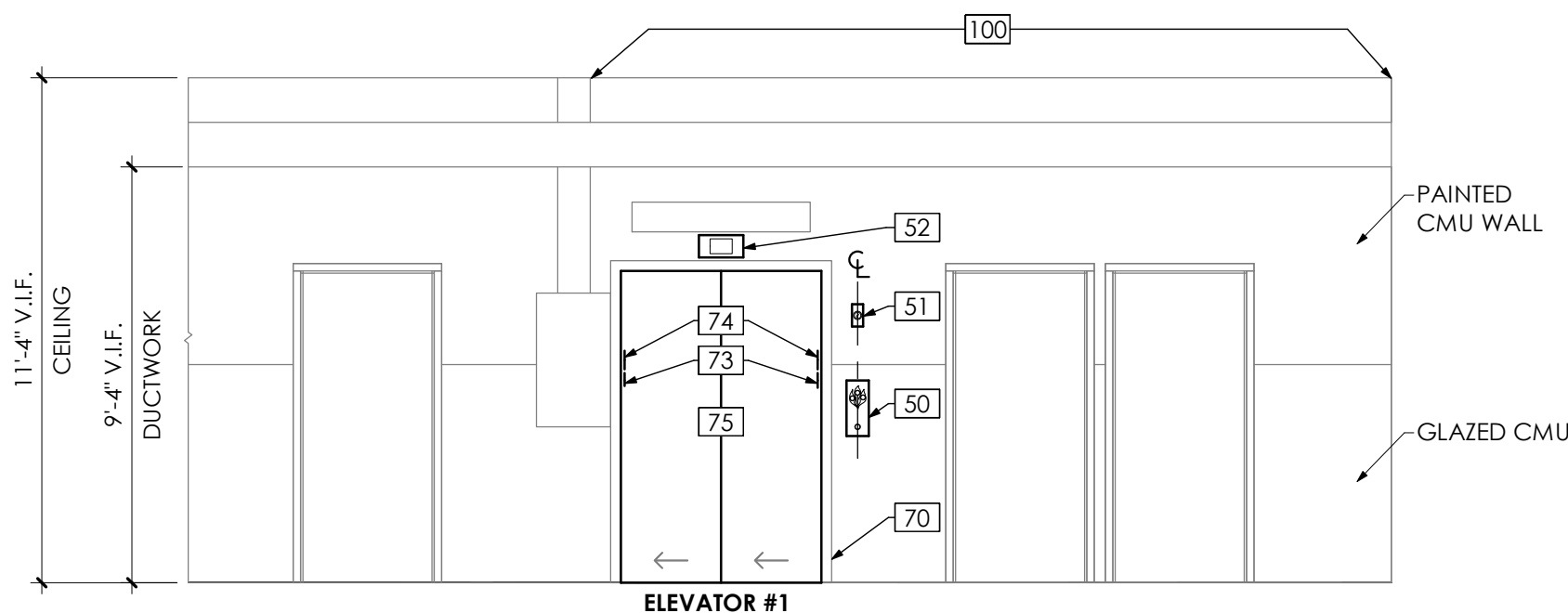
10 Third Floor Elevation  
1/4" = 1'-0"



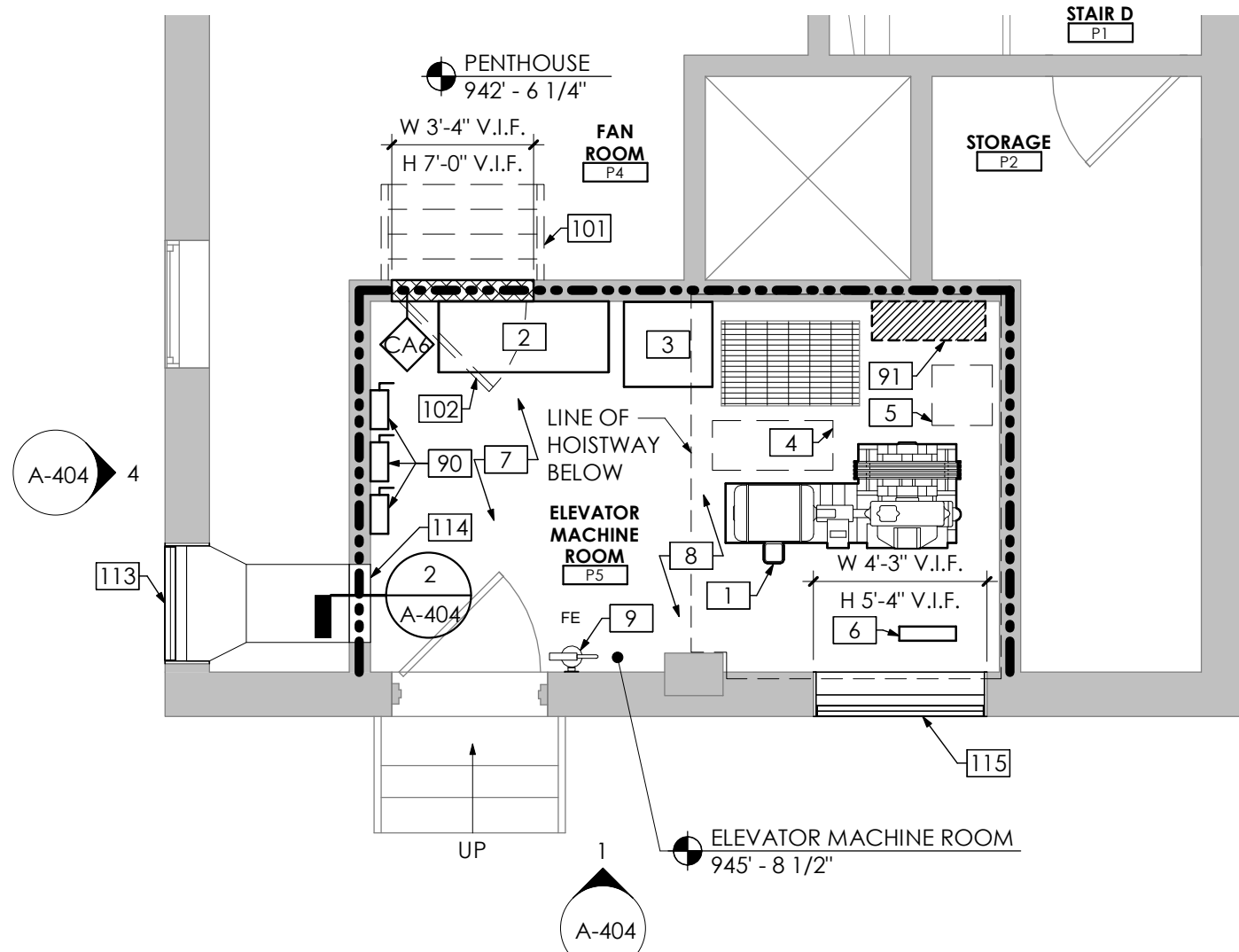
9 Second Floor Elevation  
1/4" = 1'-0"



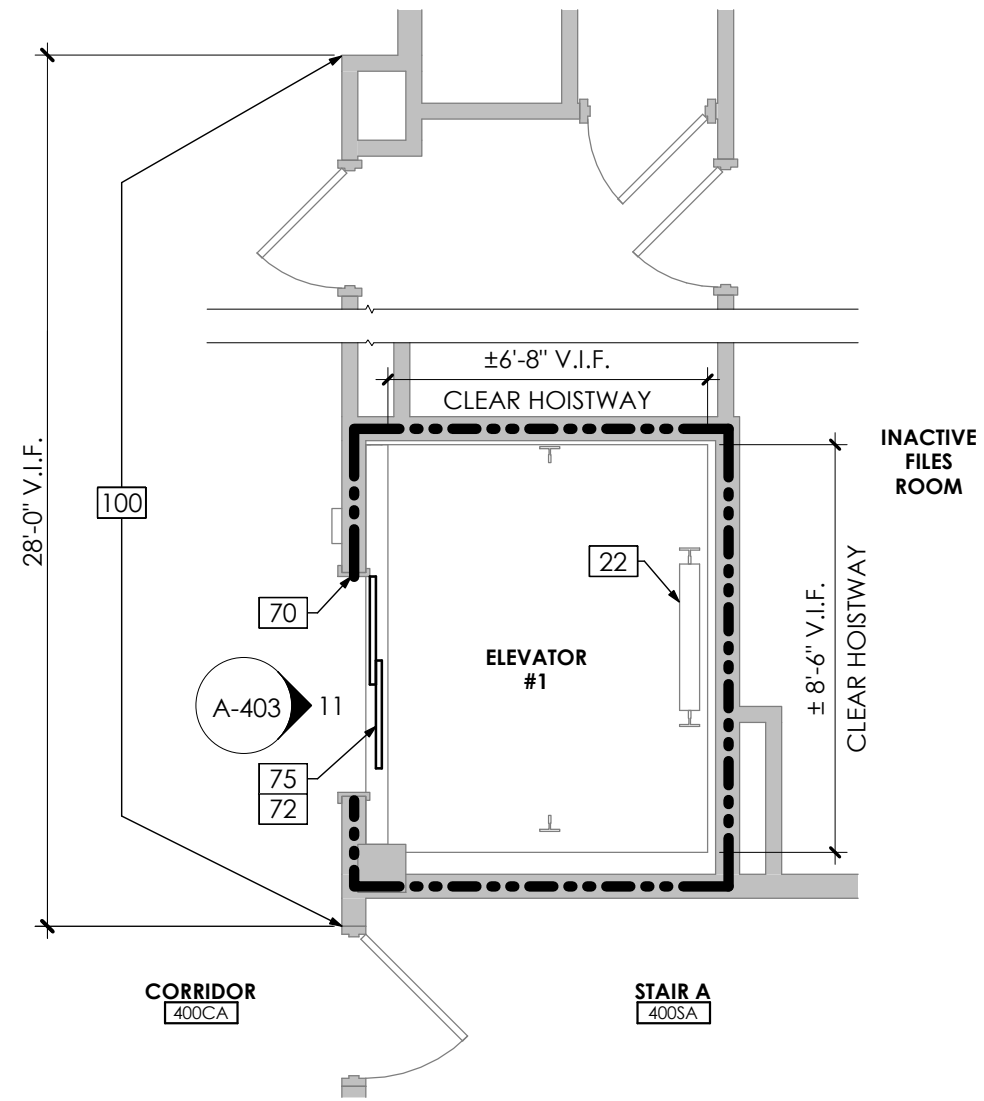
8 First Floor Elevation  
1/4" = 1'-0"



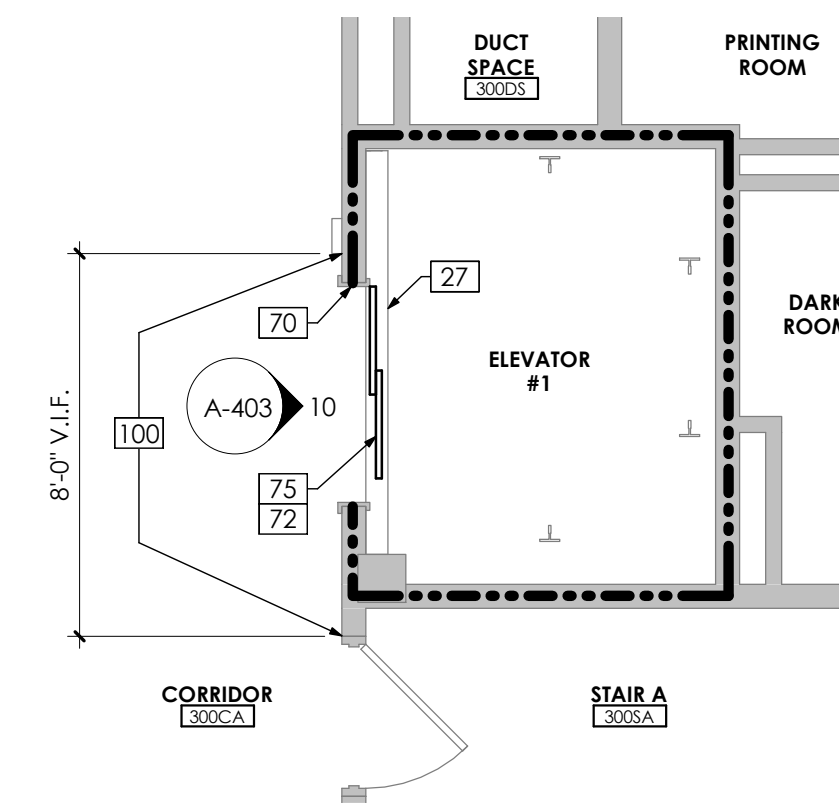
7 Basement Elevation  
1/4" = 1'-0"



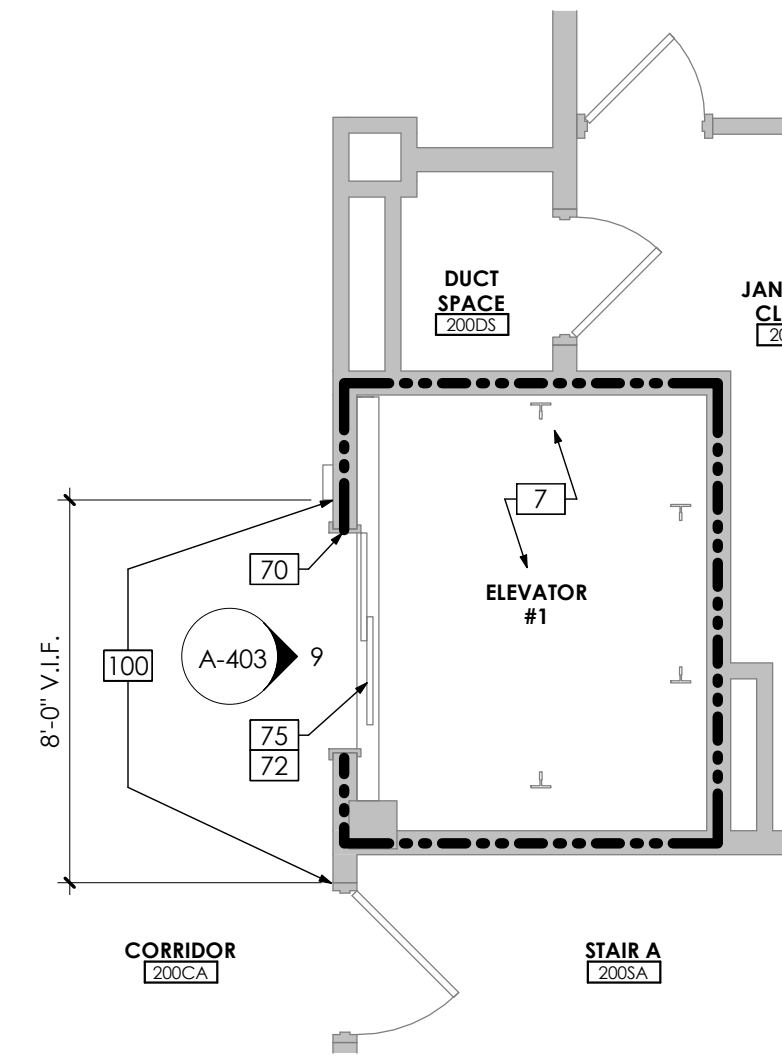
6 Enlarged Penthouse Plan  
1/4" = 1'-0"



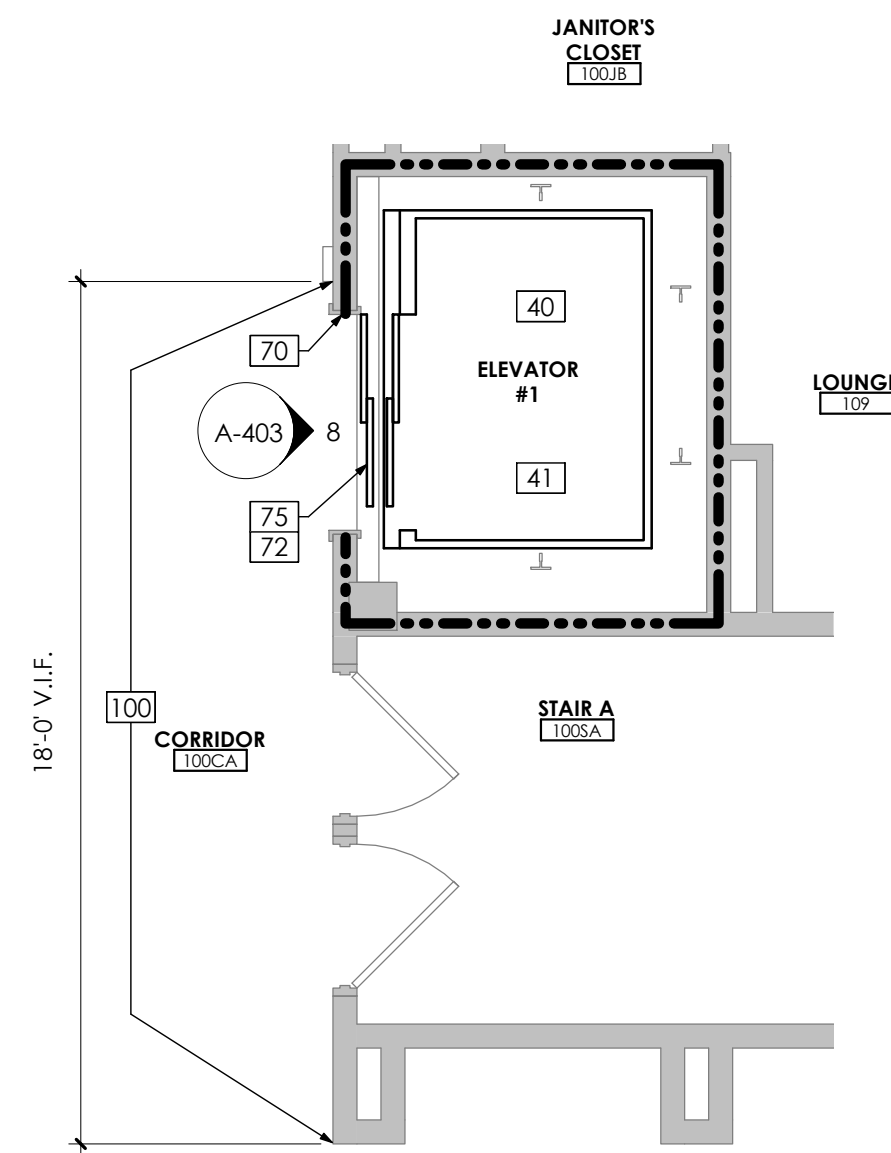
5 Enlarged Fourth Floor Plan  
1/4" = 1'-0"



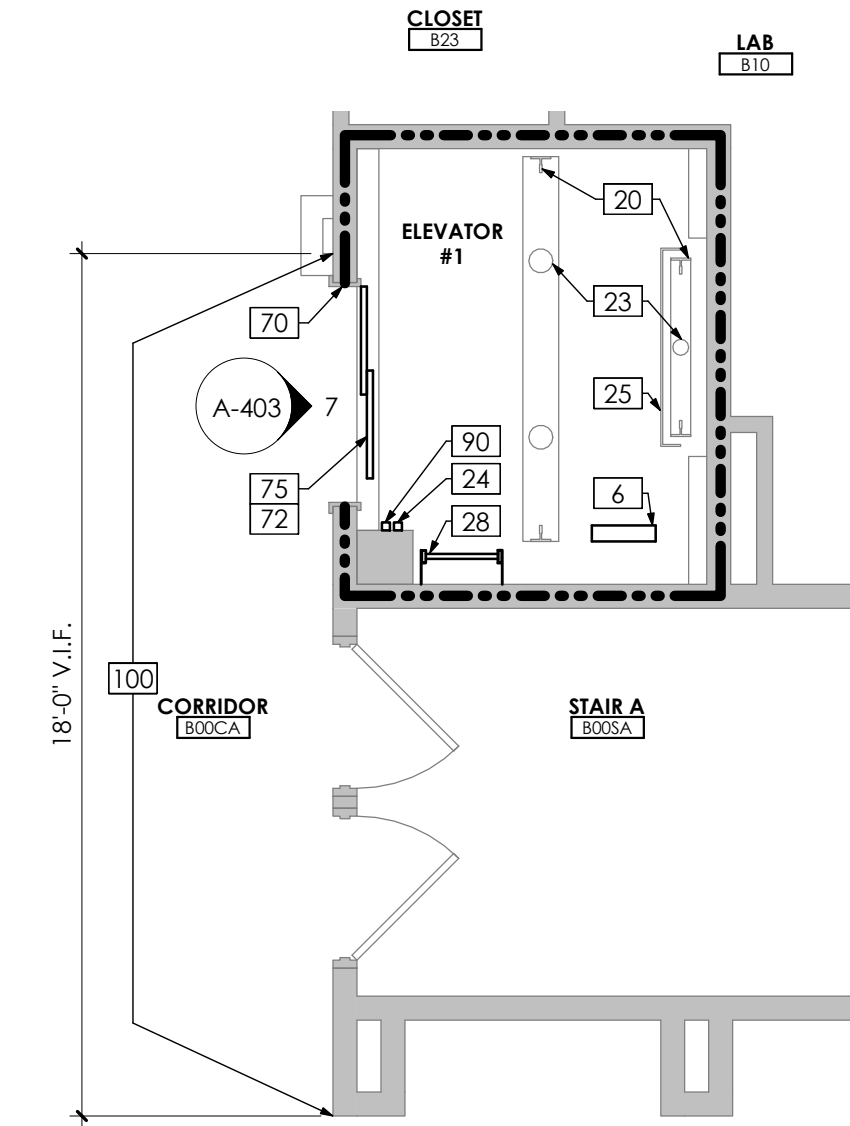
4 Enlarged Third Floor Plan  
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3 Enlarged Second Floor Plan  
1/4" = 1'-0"



2 Enlarged First Floor Plan  
1/4" = 1'-0"

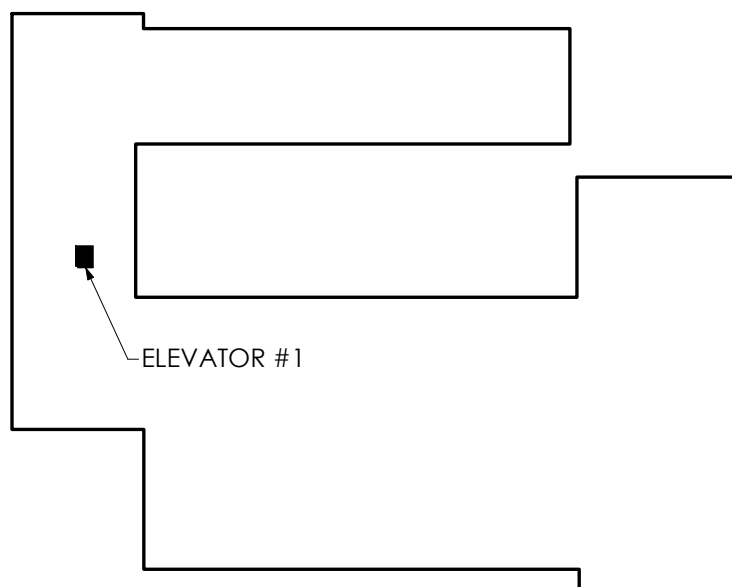


1 Enlarged Basement Floor Plan  
1/4" = 1'-0"

## Drawing Notes

- 1 REMOVE EXISTING GEARED HOISTING EQUIPMENT, INCLUDING BED PLATE - PROVIDE GEARED ELEVATOR HOISTING MACHINE AND ALL ASSOCIATED EQUIPMENT INCLUDING EMERGENCY BRAKE, BLOCKING BEAMS, AND DEFLECTOR SHEAVE
- 2 REMOVE EXISTING ELEVATOR CONTROL SYSTEM - PROVIDE ELEVATOR CONTROL SYSTEM
- 3 PROVIDE ELEVATOR DRIVE ISOLATION TRANSFORMER
- 4 REMOVE EXISTING MOTOR GENERATOR
- 5 REMOVE EXISTING POSITIONING SYSTEM
- 6 REMOVE EXISTING GOVERNOR AND TENSION SHEAVE IN ITS ENTIRETY - PROVIDE GOVERNOR AND TENSION SHEAVE
- 7 PATCH AND FIRESTOP EXISTING HOISTWAY AND MACHINE ROOM TO MATCH FIRE RATING - PATCH WHERE REQUIRED - FINISH SHALL MATCH EXISTING WALL CONSTRUCTION UNLESS OTHERWISE NOTED - APPROXIMATELY 15 SQUARE FEET
- 8 PREPARE AND PAINT ELEVATOR MACHINE ROOM FLOOR - PT#4
- 9 PROVIDE WALL MOUNTED FIRE EXTINGUISHER
- 10 EXISTING GUIDE RAILS AND PIT STEEL TO REMAIN - PREPARE AND PAINT - PT#2
- 22 REFURBISH EXISTING COUNTERWEIGHT ASSEMBLY AS SPECIFIED
- 23 EXISTING BUFFERS AND BUFFER STEEL TO REMAIN - PREPARE AND PAINT - PT#2
- 24 REMOVE EXISTING STOP SWITCH - PROVIDE STOP SWITCH ADJACENT TO LADDER
- 25 PREPARE AND PAINT EXISTING COUNTERWEIGHT GUARD
- 27 EXISTING HOISTWAY SILL TO REMAIN - CLEAN, PREP, AND PAINT - PT#5 - TYPICAL AT EACH LANDING
- 28 REMOVE EXISTING PIT LADDER - PROVIDE RETRACTABLE PIT LADDER
- 40 PROVIDE CAR TOP INSPECTION STATION AND GUARD RAIL
- 41 REMOVE EXISTING ELEVATOR CAR SHELL, WALL PANELS, CEILING, FLOORING, DOORS, AND DOOR HARDWARE - REBUILD EXISTING CAR PLATFORM AND FRAME - PROVIDE ELEVATOR CAR SHELL, WALL PANELS, CEILING, FLOORING, DOORS, AND DOOR HARDWARE - REFER TO SHEET A-501 & A-502 FOR CAR INTERIOR DETAILS
- 50 REMOVE EXISTING FLUSH MOUNTED HALL CALL STATION IN ITS ENTIRETY - SAWCUT AND ENLARGE OPENING IN WALL AS REQUIRED - PROVIDE HALL CALL STATION, BACKBOX, AND FIRESTOP OR INFILL AROUND BACKBOX TO MAINTAIN RATING - REFER TO A-501 & A-502 FOR HALL CALL FIXTURE
- 51 PROVIDE HOISTWAY ACCESS FIXTURE AT TERMINAL LANDINGS, SAWCUT WALL AS REQUIRED AND FIRESTOP OR INFILL AROUND BACKBOX TO MAINTAIN RATING - REFER TO A-501 & A-502 FOR HOISTWAY ACCESS FIXTURE
- 52 PROVIDE FLUSH MOUNTED POSITION INDICATOR AND BACKBOX - SAWCUT WALL AS REQUIRED - FIRESTOP OR INFILL AROUND BACKBOX TO MAINTAIN RATING - REFER TO A-501 & A-502 FOR POSITION INDICATOR FIXTURE
- 70 EXISTING HOISTWAY DOOR FRAMES TO REMAIN - PREPARE, PRIME, AND PAINT - PT#2
- 72 REMOVE EXISTING HANGER ASSEMBLY, TRACKS, AND CLOSER - RETAIN EXISTING ENTRANCE STRUTS AND HEADER - PROVIDE HANGER ASSEMBLY TRACKS, AND CLOSER
- 73 PROVIDE ELEVATOR IDENTIFICATION SIGNAGE AT TERMINAL LANDINGS AND DESIGNATED AND ALTERNATE RECALL LEVELS - TYPICAL EACH SIDE OF JAMB
- 74 PROVIDE FLOOR IDENTIFICATION SIGNAGE - TYPICAL EACH SIDE OF JAMB AT EACH ENTRANCE
- 75 REMOVE EXISTING HOISTWAY DOOR PANELS, HARDWARE, AND ASSOCIATED EQUIPMENT - PROVIDE HOISTWAY DOOR PANELS, HARDWARE, AND ASSOCIATED EQUIPMENT - DOORS TO BE FACTORY PRIMED AND FIELD PAINTED TO MATCH EXISTING - PT#2
- 90 APPROXIMATE LOCATION OF ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL DRAWINGS
- 91 APPROXIMATE LOCATION OF HVAC EQUIPMENT - REFER TO MECHANICAL DRAWINGS
- 100 PATCH AND PAINT EXISTING WALL TO EXTENT INDICATED, FULL HEIGHT ABOVE GLAZED TILE - PT#3
- 101 REMOVE EXISTING METAL ACCESS STAIRS AND ASSOCIATED HANDRAIL IN THEIR ENTIRETY
- 102 REMOVE EXISTING DOOR AND FRAME
- 113 SAWCUT TO REMOVE EXISTING EXTERIOR 3-WYTHE BRICK WALL AS REQUIRED TO RECEIVE SCHEDULED LOUVER - COORDINATE WITH STRUCTURAL DRAWINGS FOR SCHEDULED LINTEL - TOOTH BRICK AT LINTEL INSTALLATION - BRICK TO MATCH EXISTING - COORDINATE WITH MECHANICAL DRAWINGS FOR OPENING REQUIREMENTS
- 114 SAWCUT TO REMOVE EXISTING 6-INCH CMU AS REQUIRED TO RECEIVE SCHEDULED DUCT/GRILLE - GROUT ANY EXPOSED CMU CELLS SOLID - COORDINATE WITH STRUCTURAL DRAWINGS FOR LINTEL - COORDINATE WITH MECHANICAL DRAWINGS FOR OPENING REQUIREMENTS
- 115 REMOVE EXISTING LOUVER/WINDOW ASSEMBLY IN ITS ENTIRETY - PREPARE OPENING OF NEW LOUVER - COORDINATE WITH MECHANICAL DRAWINGS FOR SCHEDULED LOUVER

## Key Plan



## Architectural Resources

505 Franklin St  
Buffalo, New York 14202  
303 West 13th Street  
New York, New York 10014  
716-883-5566 716-883-5569 fax

**SIENNA ENVIRONMENTAL**  
350 ELMWOOD AVENUE  
BUFFALO, NY 14222

PHONE: 716-332-3136  
FAX: 716-332-3134

**SPRINGLINE DESIGN**  
73 TROY ROAD  
EAST GREENBUSH, NY 12061

PHONE: 518-487-4755  
FAX: 518-670-0122

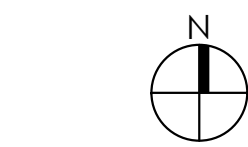
**POPLI DESIGN GROUP**  
555 PENBROOKE DRIVE  
PENFIELD, NY 14526

PHONE: 585-388-2060  
FAX: 585-388-2070

**SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL**

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

SEAL



## BID DOCUMENTS

10/27/2023

### REVISIONS

NO.	DESCRIPTION	DATE

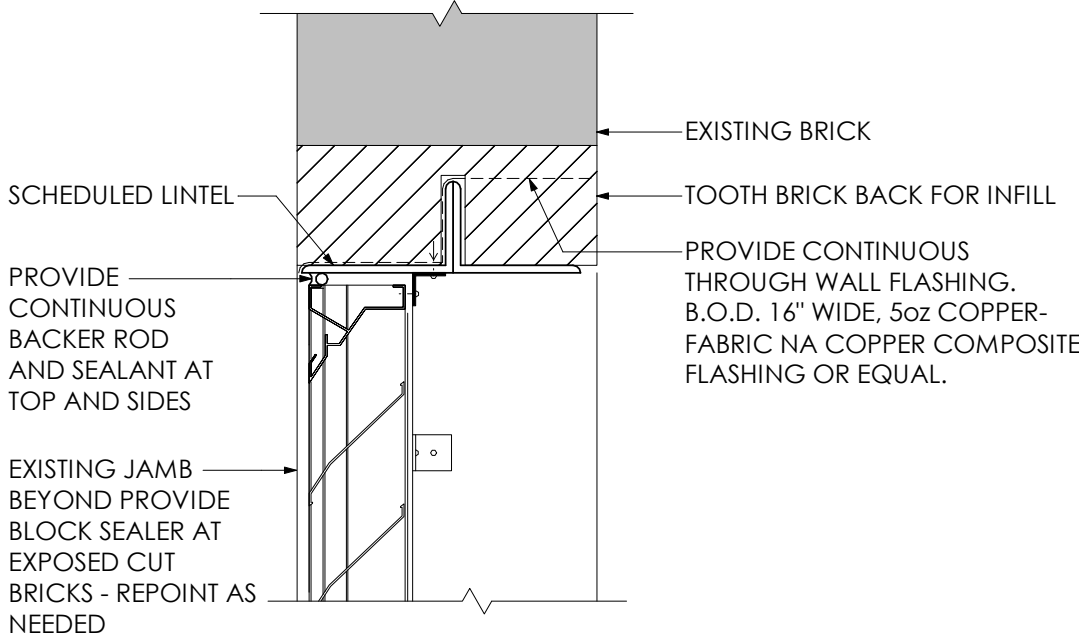
**RILEY ROBB  
ENLARGED FLOOR  
PLANS AND  
ELEVATIONS**

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CLIENT NO: 161042  
DRAWN BY: CMV  
SHEET NO:

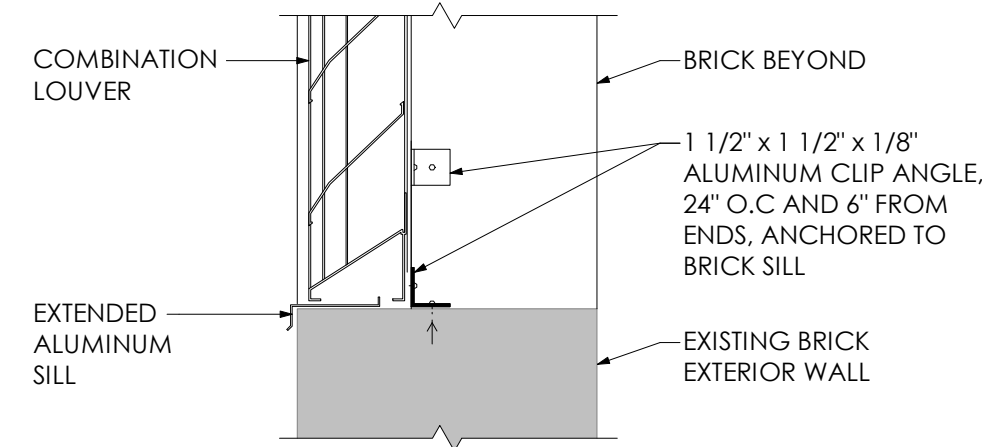
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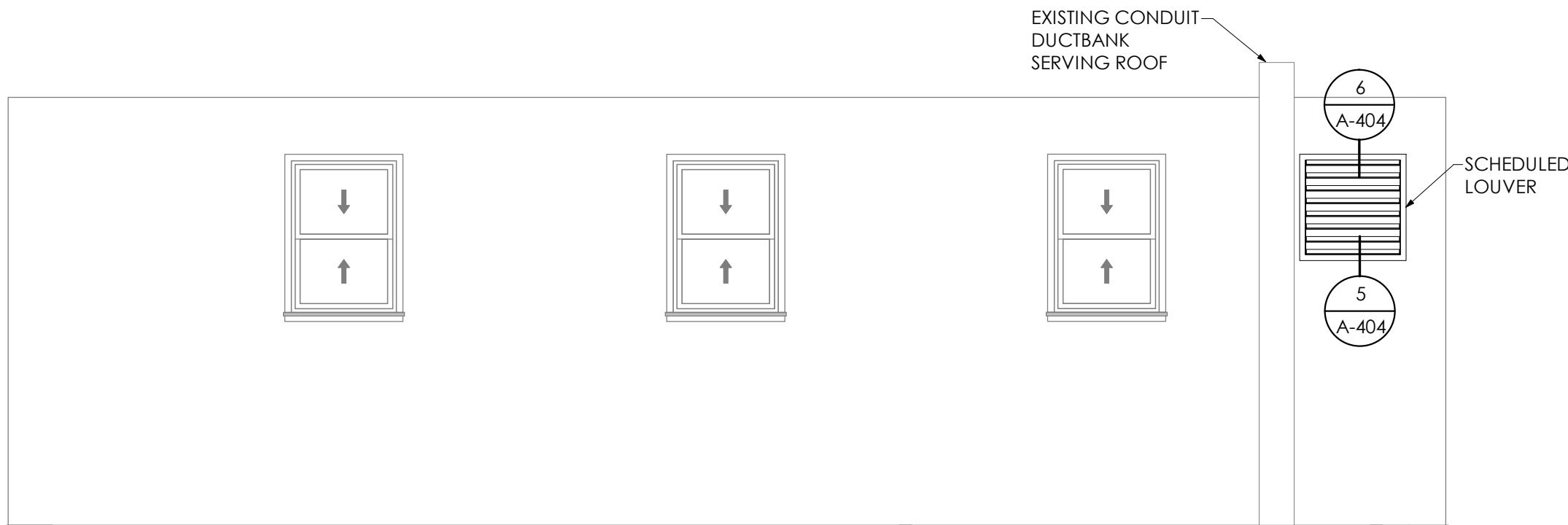
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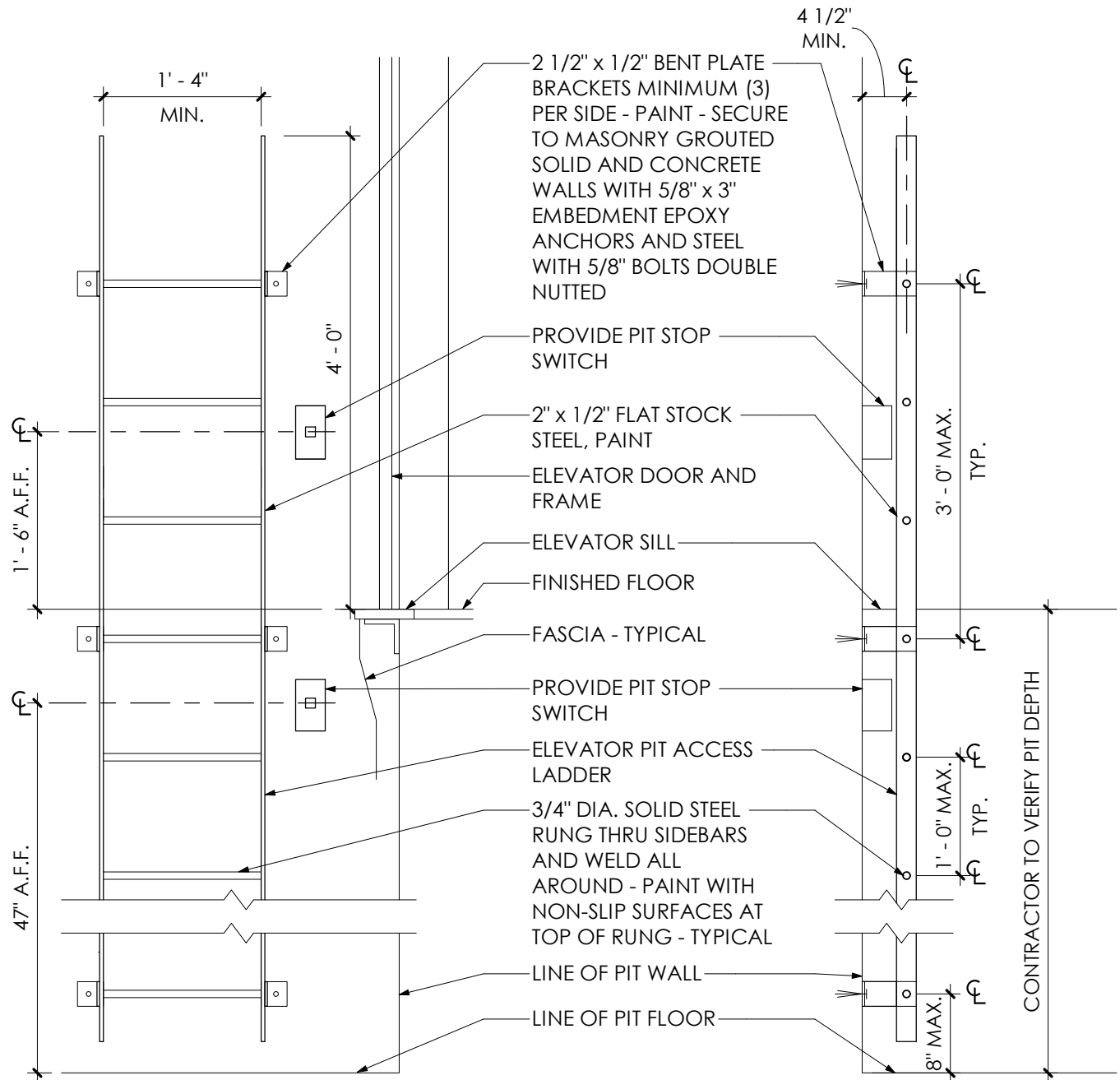
6 Louver Head  
1 1/2" = 1'-0"



5 Louver Sill  
1 1/2" = 1'-0"

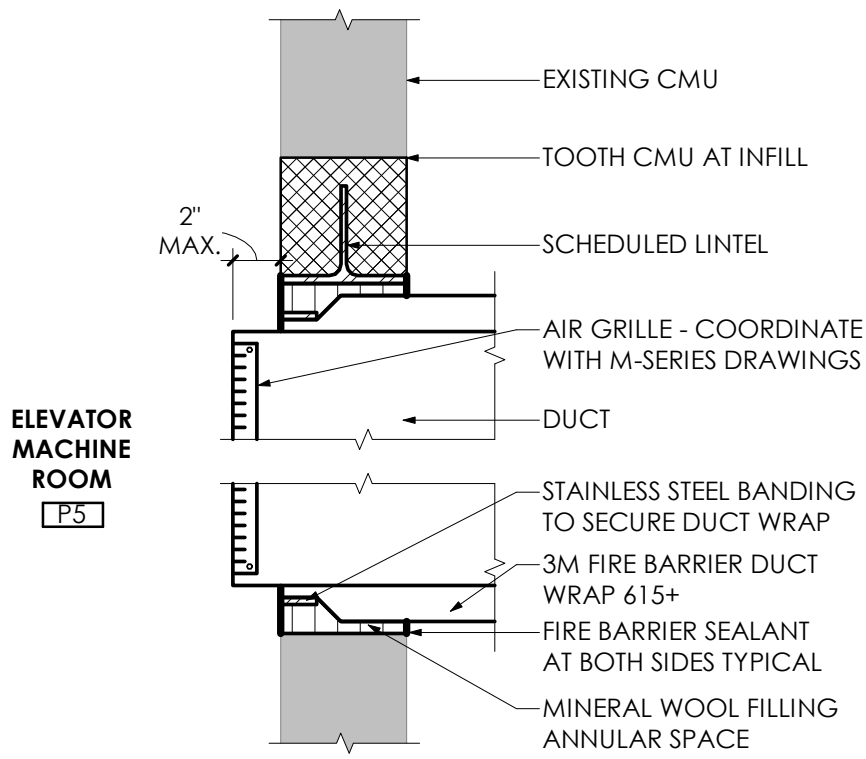


4 Penthouse West Wall  
1/4" = 1'-0"

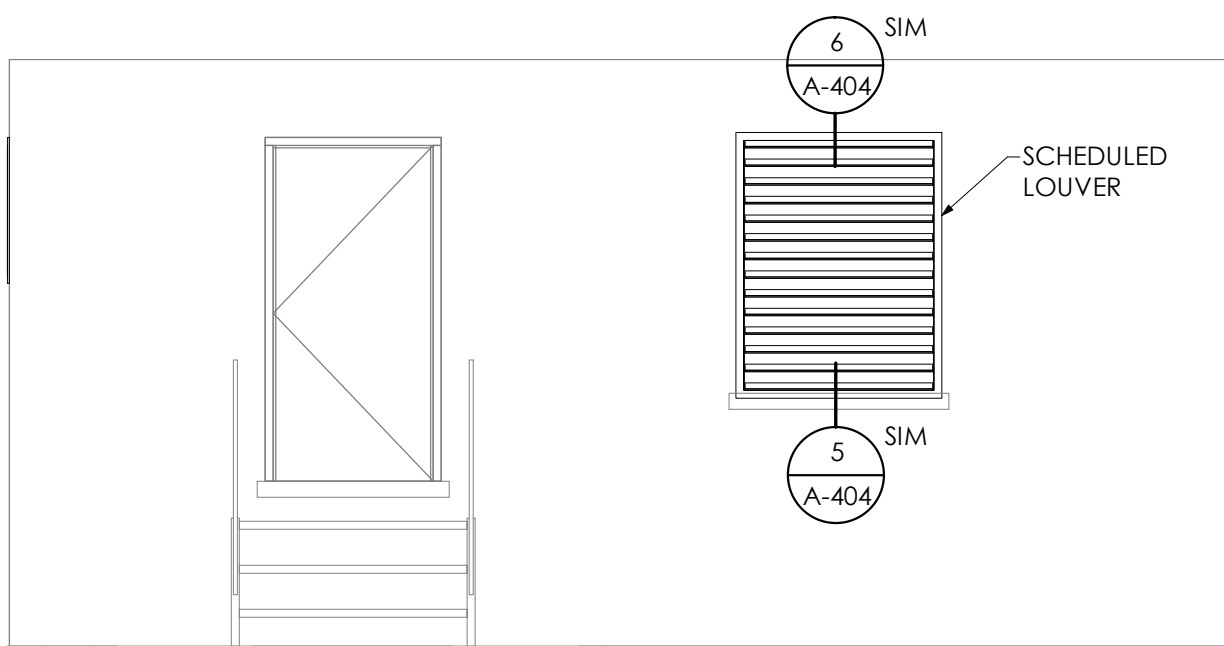


- NOTE:
1. PIT LADDER SHALL BE LOCATED ON THE SAME SIDE AND WITHIN 39" OF THE HOISTWAY LOCKING DEVICE.
  2. GROUT CMU CELLS SOLID WHERE ANCHORED TO CMU FOR SUPPORT.
  3. PROVIDE PRODUCT DATA FOR THE BASIS OF DESIGN PIT LADDER SHOWING COMPLIANCE WITH THE REQUIREMENTS OF ASME A17.1 CODE, OR PROVIDE SHOP DRAWINGS FOR SHOP FABRICATED LADDERS SHOWING COMPLIANCE WITH THE REQUIREMENTS OF ASME A17.1 CODE AND MATERIAL PROPERTIES NOTED ABOVE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

3 Elevator Pit Ladder  
3/4" = 1'-0"



2 Duct Penetration Detail  
1 1/2" = 1'-0"



1 Penthouse South Wall  
1/4" = 1'-0"



Architectural Resources

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507 TOWER ROAD (1064 MORRISON)  
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ITHACA, NY 14853

SEAL



BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

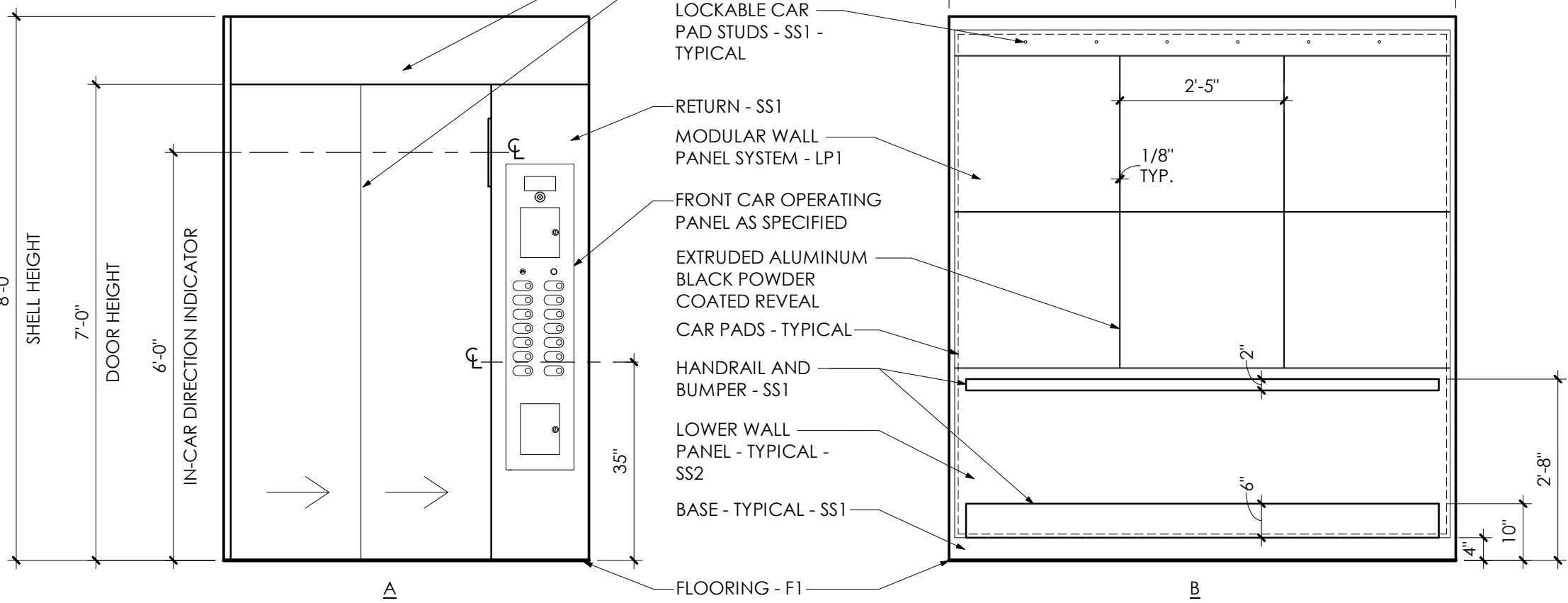
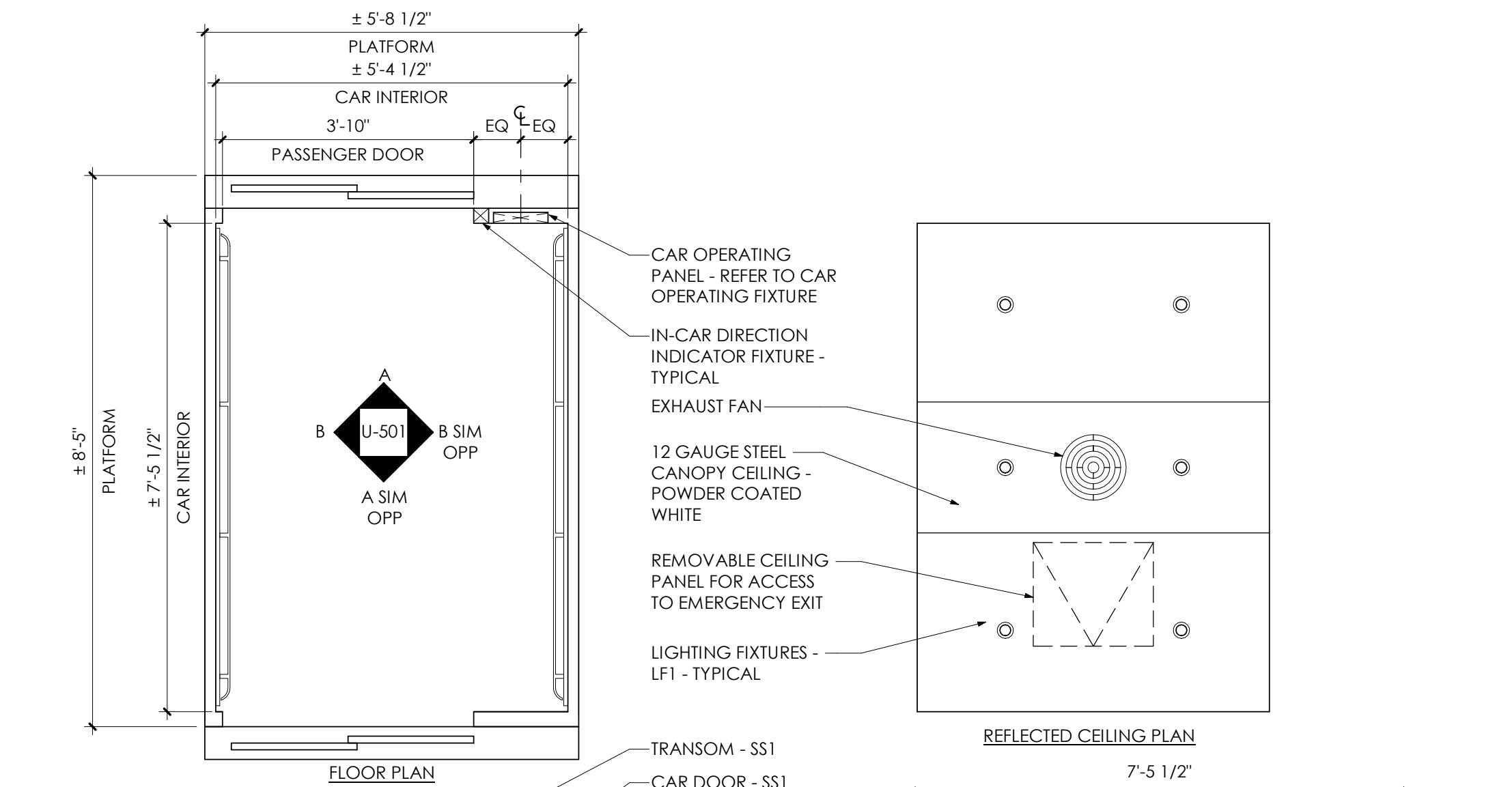
RILEY ROBB  
ELEVATIONS AND  
DETAILS

A/r JOB NO.: 190.114  
CLIENT NO.: 161042  
DRAWN BY: Author  
SHEET NO:

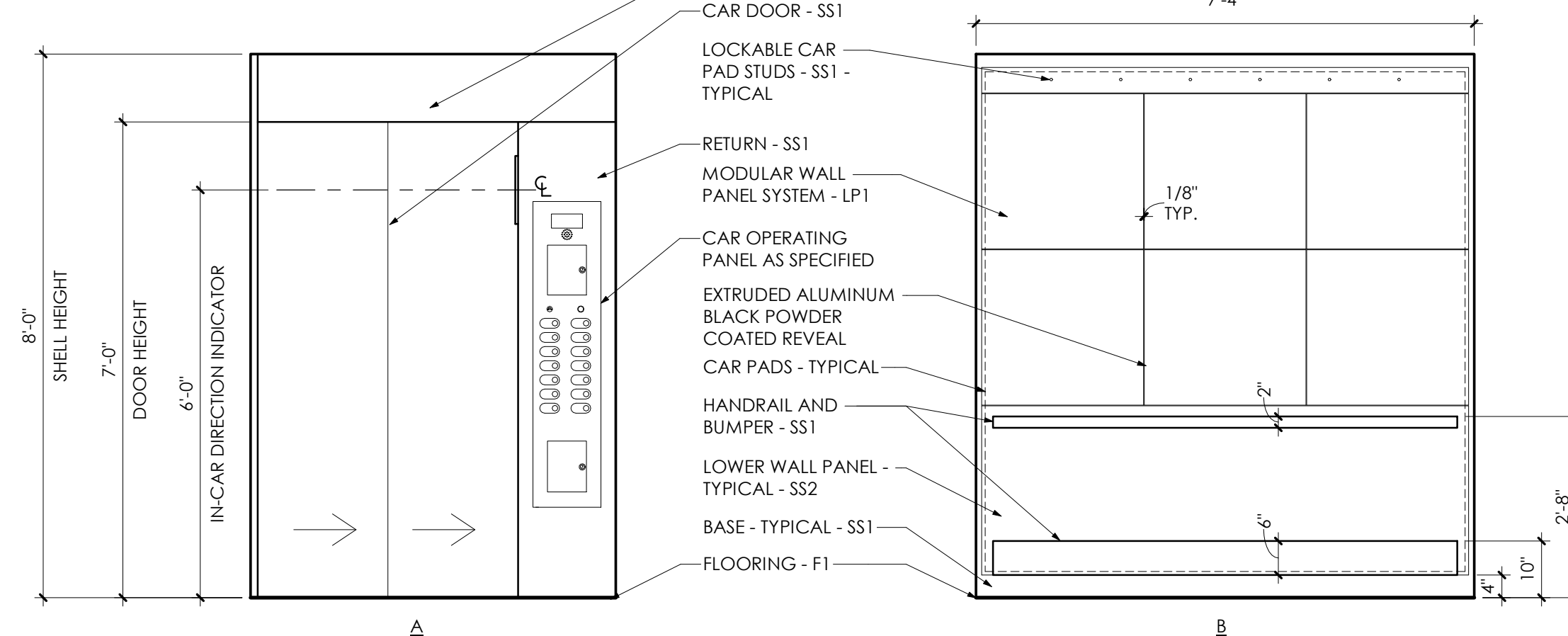
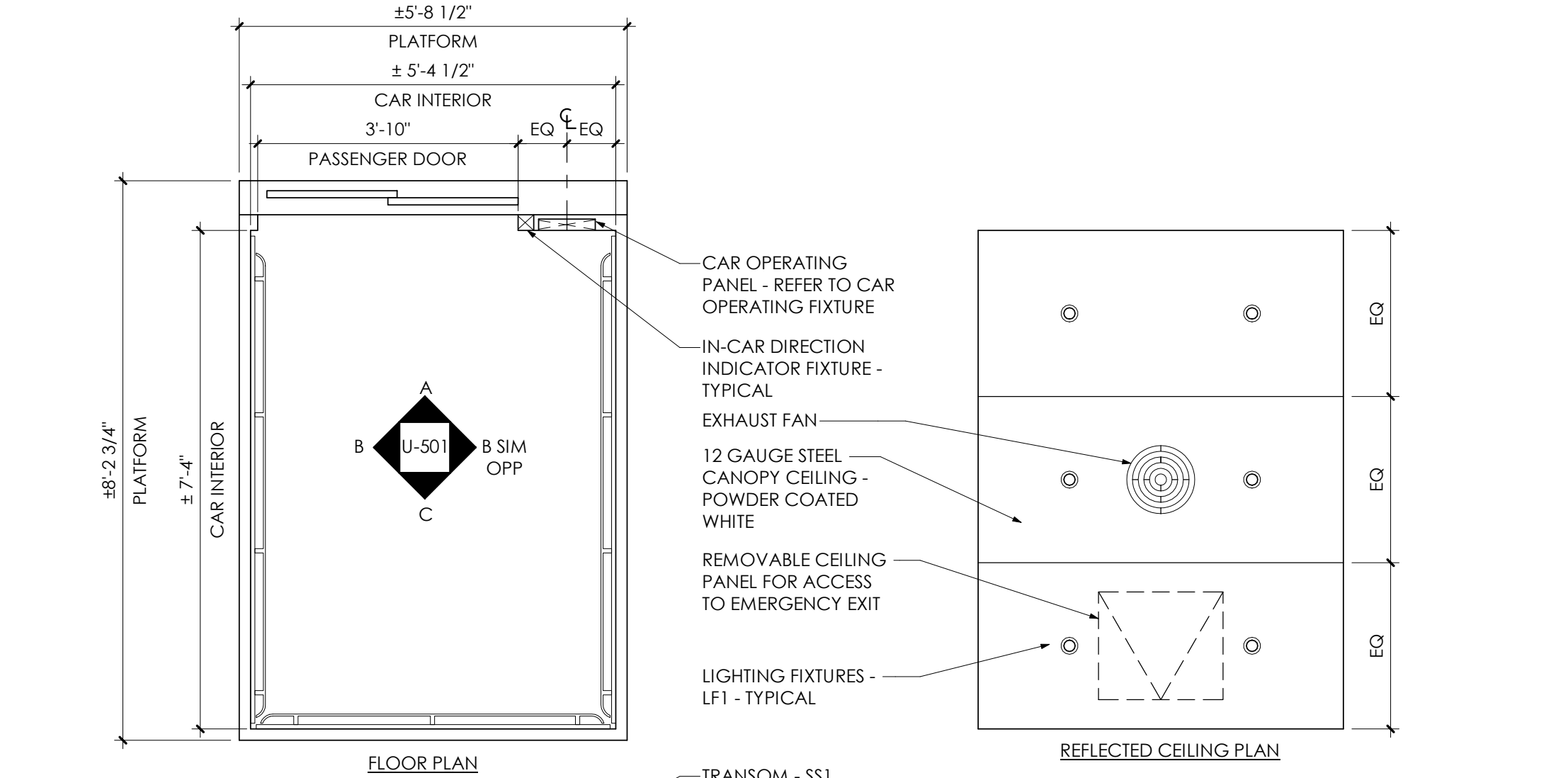
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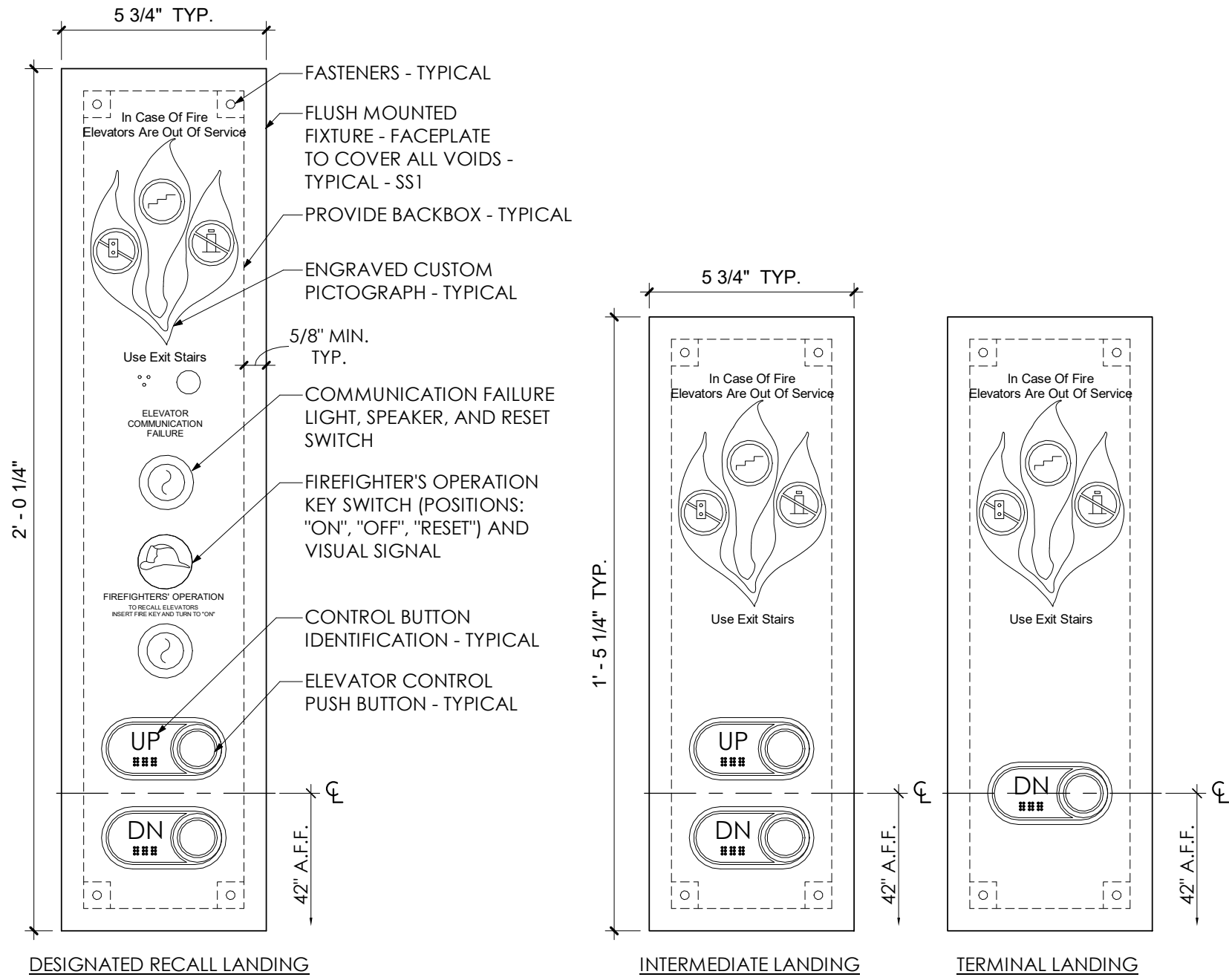
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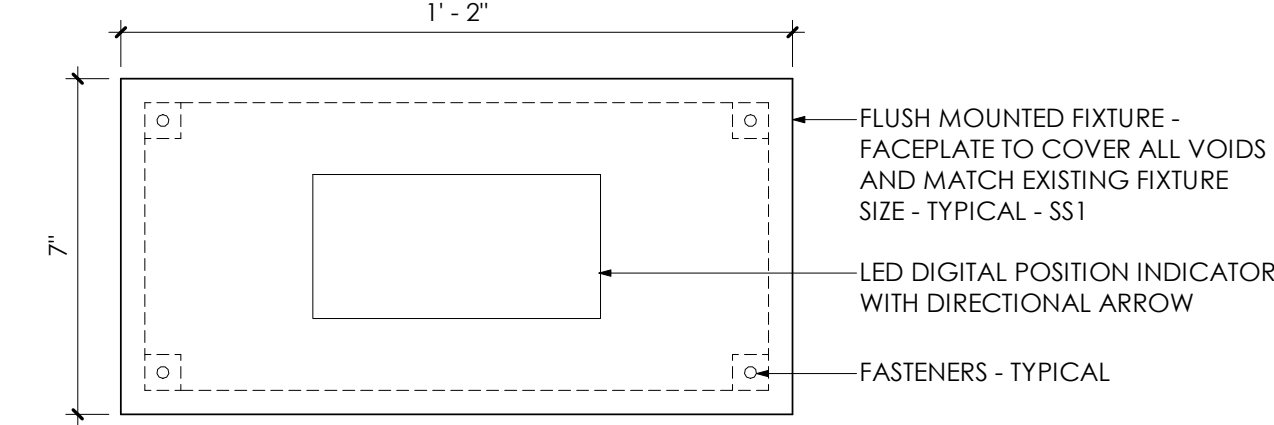
6 Interior Car Elevation - Elevator 1  
1/2" = 1'-0"



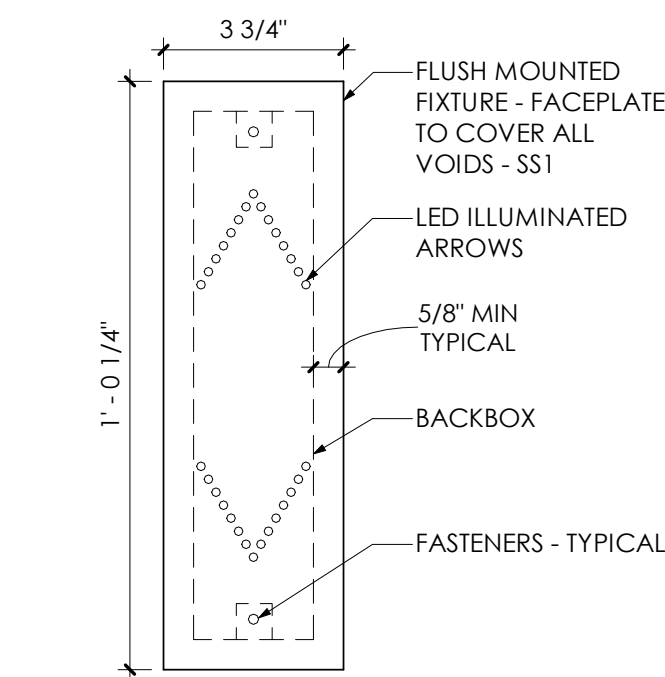
7 Interior Car Elevation - Elevator 2  
1/2" = 1'-0"



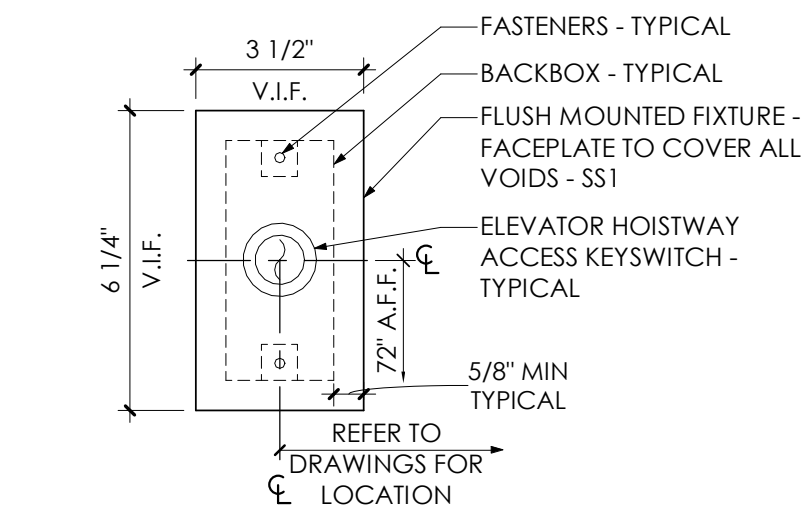
5 Hall Call Fixtures  
3" = 1'-0"



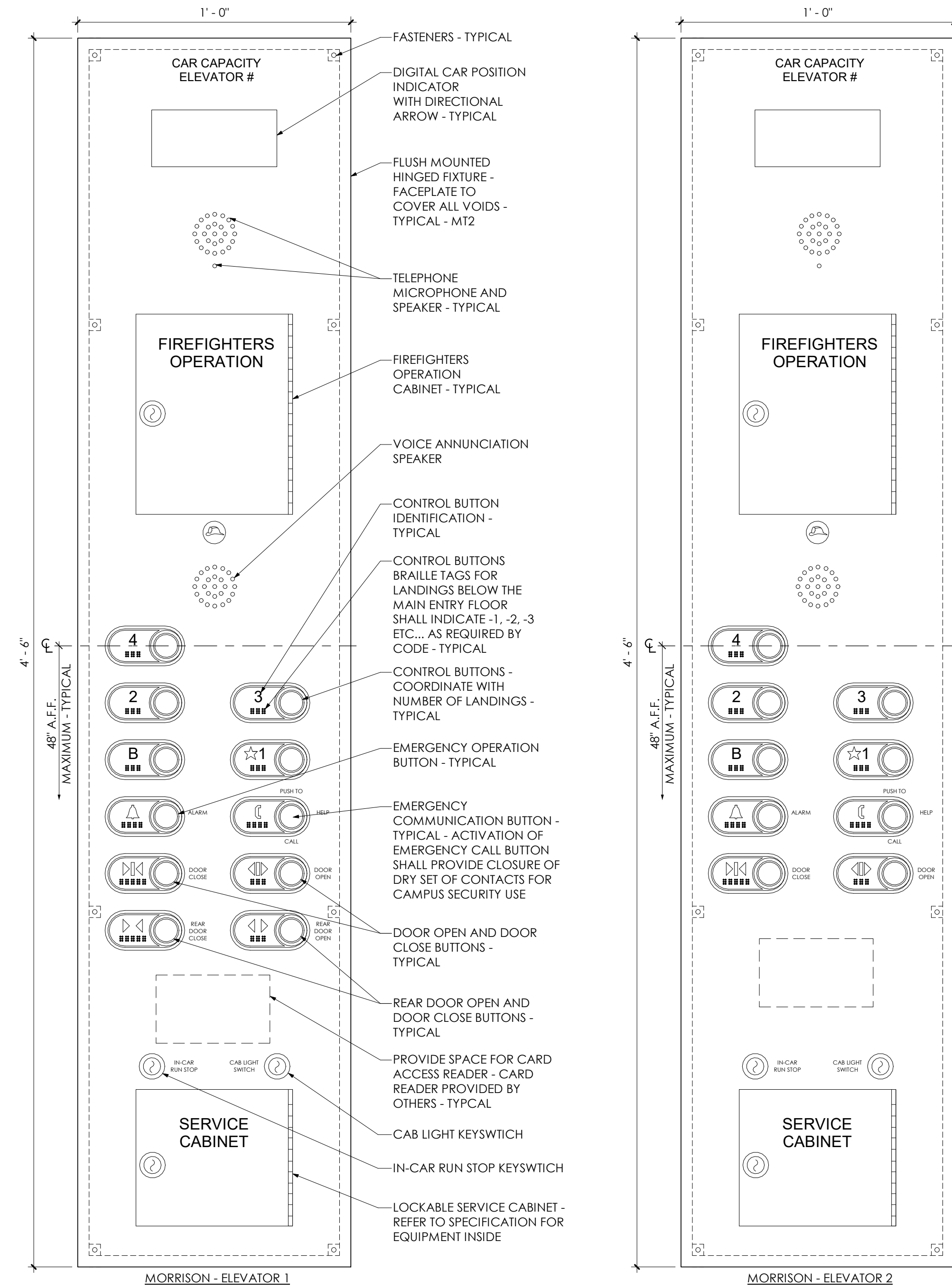
2 Position Indicator Fixture  
3" = 1'-0"



3 In-Car Direction Indicator Fixture  
3" = 1'-0"



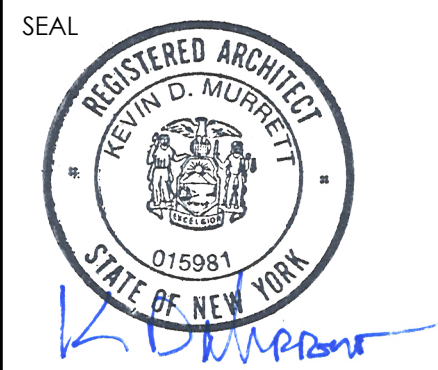
4 Hoistway Access Fixture  
3" = 1'-0"



1 Car Operating Panels  
3" = 1'-0"

ELEVATOR SCHEDULE - MORRISON												
ELEVATOR	MACHINE	TYPE	CAPACITY (LBS)	SPEED (FPM)	LANDINGS (F - FRONT, R - REAR)					PIT DEPTH (V.I.F.)	TOTAL TRAVEL (V.I.F.)	OVERHEAD (V.I.F.)
					B	1	2	3	4			
#1	OVERHEAD GEARED TRACTION	PASSENGER	4,000	200	F	*F & R	**F	F	F	7' - 8-3/4"	48' - 0"	14' - 9"
#2	OVERHEAD GEARLESS TRACTION	PASSENGER	3,000	200	F	*F	**F	F	F	7' - 7"	48' - 0"	14' - 9"
NOTE: 1.       * DESIGNATED RECALL LANDING 2.       ** ALTERNATE RECALL LANDING												

SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL  
CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853



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10/27/2023

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NO.	DESCRIPTION	DATE

MORRISON  
ELEVATOR DETAILS

A/r JOB NO.: 190.114  
CLIENT NO.: 161042  
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SYMBOL LIST			
	THERMOSTAT		PIPE BREAK
	ROOM NUMBER		P-TRAP
	BUILDING SECTION		BRANCH OFF BOTTOM OF PIPE
	DETAIL NUMBER		BRANCH OFF TOP OF PIPE
	EXISTING PIPING TO REMAIN		CHECK VALVE
	EXISTING PIPING TO BE REMOVED		EXISTING EQUIPMENT TO REMAIN
	PIPING TO BE PROVIDED		EQUIPMENT TO BE REMOVED
			NEW CONNECTION TO EXISTING
			REMOVE TO THIS POINT
			CLEANOUT
			PIPE CONTINUATION
			KEYNOTE
			REMOVAL KEYNOTE

ABBREVIATIONS			
A	AMPS	MATL	MATERIAL
AC	ALTERNATING CURRENT	BTU	BTU PER HOUR (THOUSAND)
ACM	ASBESTOS-CONTAINING MATERIAL	MCA	MINIMUM CIRCUIT AMPS
AMB	AMBIENT	MIN	MINIMUM
AMP	AMPERE (AMP AMPS)	MOC	MAXIMUM OVERCURRENT PROTECTION
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE	N/A	NOT APPLICABLE
APD	AIR PRESSURE DROP	NTS	NOT TO SCALE
APPROX	APPROXIMATE (LY)	NYS	NEW YORK STATE
BHP	BRAKE HORSEPOWER	OD	DIAMETER, OUTSIDE
BTU	BRITISH THERMAL UNIT		
CAP	CAPACITY	PH	PHASE (ELECTRICAL)
CFM	CUBIC FEET PER MINUTE	PRESS	PRESSURE
COND	CONDENS (-ER,-ING,-ATION,-ATE)	PSF	POUNDS PER SQUARE FOOT
CU	CONDENSING UNIT	PSI	POUNDS PER SQUARE INCH
		PSIG	PSI GAUGE
db	DRY BULB	R12,R22	REFRIGERANT (12,22,ETC)
DC	DIRECT CURRENT	RLA	RUNNING LOAD AMPS
DEG	DEGREE	RPM	REVOLUTIONS PER MINUTE
DWG	DRAWING		
(E)	PREFIX FOR EXISTING	SP	STATIC PRESSURE
EA	EXHAUST AIR	SPEC	SPECIFICATION
EAT	ENTERING AIR TEMPERATURE	SQ FT	SQUARE FOOT (FEET)
ESP	EXTERNAL STATIC PRESSURE	SQ IN	SQUARE INCH (INCHES)
ETR	EXISTING TO REMAIN	ST	STORM
EVAP	EVAPORAT (-E,-ING,-ED,-OR)	STD	STANDARD
EXIST	EXISTING	SUCT	SUCTION
F	FAHRENHEIT	T'STAT	THERMOSTAT
FD	FLOOR DRAIN	TEMP	TEMPERATURE
FPM	FEET PER MINUTE	TSP	TOTAL STATIC PRESSURE
FT	FOOT OR FEET	TYP	TYPICAL
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	V	VOLT
HZ	HERTZ	VEL	VELOCITY
KW	KILOWATT	W	WATT
		wb	WET BULB
LAT	LEAVING AIR TEMPERATURE	WBT	WET BULB TEMPERATURE

GENERAL NOTES	
A.	DO NOT SHUT DOWN ANY MECHANICAL, PLUMBING, FIRE PROTECTION, NATURAL GAS, ELECTRICAL, OR RELATED SYSTEMS WITHOUT OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT.
B.	FIELD VERIFY EXACT LOCATION, DEPTH, COMPOSITION AND CONDITION OF ALL PIPING, VALVES AND SYSTEMS AS REQUIRED FOR WORK OF THE CONTRACT.
C.	PROVIDE CUTTING, CORING AND PATCHING OF ALL WALLS, SLABS AND DECKS AS REQUIRED FOR WORK SHOWN. COORDINATE ALL WORK WITH OWNER'S REPRESENTATIVE, CONSTRUCTION CONTRACTOR AND ALL TRADES.
D.	THE ENTIRE MECHANICAL SYSTEM SHALL BE IN ACCORDANCE WITH THE 2020 MECHANICAL CODE OF NYS AND LOCAL INSPECTOR.
E.	THE EXISTING PIPING INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, AND PIPE SIZES.
F.	THE PIPING INDICATED ON THESE PLANS ARE DIAGRAMMATIC. ALL WORK SHALL BE COORDINATED WITH ALL OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING OF ALL PIPING WITH EXISTING CONDITIONS AND SHALL PROVIDE ANY NECESSARY OFFSETS, REROUTING, TEES, ELBOWS, ETC. REQUIRED FOR A COMPLETE AND COORDINATED INSTALLATION.
G.	ALL WORK SHALL BE COORDINATED WITH THE EQUIPMENT VENDORS.
H.	ALL MECHANICAL & PIPING SYSTEMS SHALL BE SUPPORTED AS REQUIRED BY THE 2020 MECHANICAL CODE OF NYS AND THE 2020 PLUMBING CODE OF NYS REQUIREMENTS AND PER MANUFACTURER'S RECOMMENDATIONS.
I.	ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE WALL OR FLOOR.
J.	THE MECHANICAL SYSTEM(S) SHALL BE TESTED AS REQUIRED BY THE 2020 MECHANICAL CODE OF NYS OR BY THE REQUIREMENTS OF THE LOCAL INSPECTOR.
K.	REFER TO G-SERIES DRAWINGS AND THE PROJECT MANUAL FOR ANY PROJECT PHASING REQUIREMENTS.
L.	SEAL ALL FLOOR, WALL, AND CEILING PENETRATIONS AS PER SECTION 078413 OF THE PROJECT MANUAL. NOTIFY DIRECTOR'S REPRESENTATIVE OF ANY UNPROTECTED PENETRATIONS FROM PREVIOUS CONSTRUCTION. MAINTAIN FIRE RATINGS AT WALLS AND SMOKE BARRIERS AT ALL TIMES.

CODE SUMMARY TABLE
2020 MECHANICAL CODE OF NYS
2020 PLUMBING CODE OF NYS
2020 ENERGY CONSERVATION CODE OF NYS
ASME A17.1-2016 SAFETY CODE FOR ELEVATORS AND ESCALATORS

ASBESTOS AND LEAD AWARENESS
THE EXISTING BUILDING MATERIALS MAY CONTAIN ASBESTOS AND LEAD MATERIALS. REFER TO PROJECT MANUAL AND ASBESTOS CONSULTANT DOCUMENTS FOR MORE INFORMATION. IF ASBESTOS, LEAD, AND/OR SUSPECTED MATERIALS ARE DISTURBED AND/OR ENCOUNTERED, CEASE WORK OPERATION AND NOTIFY OWNER IMMEDIATELY.

ENERGY CODE STATEMENT
WE HEREBY AFFIRM THAT TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

SPLIT SYSTEM COOLING (DX) SCHEDULE															
UNIT NO. (INDOOR, OUTDOOR)	DX COOLING COIL DATA			HEATING DATA			INDOOR UNIT		OUTDOOR UNIT				BASIS OF DESIGN		NOTES
	CAP. MBH	REFR. TYPE	EER/SEER	CAP. MBH	CAP. MIN MBH	CAP. MAX MBH	CFM (HIGH/LOW)	WEIGHT (LB)	POWER	COMPRESSOR TYPE	MAX FUSE	WEIGHT	MANUFACTURER	MODEL NO. (INDOOR, OUTDOOR)	
AC-1M, ACCU-1M	23.4	410A	12.45/20.5	25.8	8	26.5	647/441	31.9	208/230V, 1-PHASE	ROTARY	35	155.1	HITACHI	RPK-3.0PNN1DH, RAS-3.0PNNBDH1 W/LAC	1,2,3,5,6,7,8
AC-2M, ACCU-2M	23.4	410A	12.45/20.5	25.8	8	26.5	647/441	31.9	208/230V, 1-PHASE	ROTARY	35	155.1	HITACHI	RPK-3.0PNN1DH, RAS-3.0PNNBDH1 W/LAC	1,2,3,5,6,7,8
AC-1R, ACCU-1R	23.4	410A	12.45/20.5	-	-	-	647/441	31.9	208/230V, 1-PHASE	ROTARY	35	155.1	HITACHI	RPK-3.0PNN1DH, RAS-3.0PNNBDH1 W/LAC	1,3,4,6,7,8

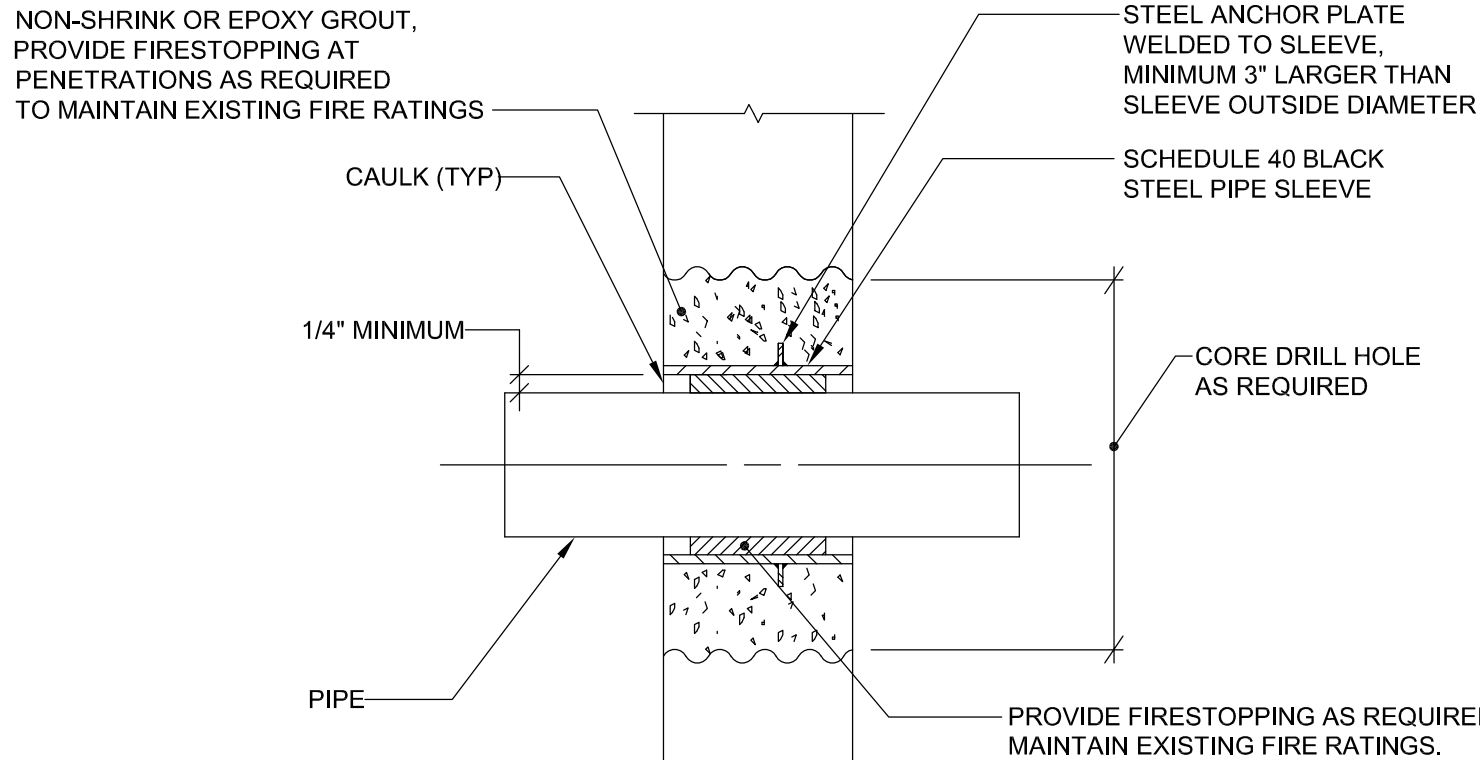
- NOTES:
1. COOLING PERFORMANCE AT AHRI RATED CONDITIONS OF 80.6F DB, 66.2F WB (INDOOR) AND 95F DB 75.2F WB (OUTDOOR).
  2. HEATING PERFORMANCE AT AHRI RATED CONDITIONS OF 68F DB, 59F WB (INDOOR) AND 44.6F DB, 42.8F WB (OUTDOOR).
  3. PROVIDE WITH FACTORY WALL MOUNTED CONTROLLER.
  4. PROVIDE OUTDOOR UNIT WITH FACTORY WALL MOUNTING BRACKET.
  5. PROVIDE OUTDOOR UNIT WITH EQUIPMENT MOUNTING STAND.
  6. PROVIDE WITH LOW AMBIENT COOLING KIT.
  7. PROVIDE REQUIRED WIRING BETWEEN CONDENSING UNIT AND INDOOR UNIT, PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  8. PROVIDE SPLIT SYSTEM CONDENSATE WITH IN-LINE HVAC AIR TRAP.

LOUVER AND DAMPER SCHEDULE														
NO.	LOCATION	SERVICE	SIZE (WXH)	DEPTH	CFM	APD (IN)	MINIMUM FA (SQFT)	TYPE	BIRD SCREEN	MAT'L	FINISH	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	NOTES
L-1	ELEVATOR MACHINE ROOM P5	EXHAUST	34" X 34"	4"	-	-	4.06	FIXED	YES	ALUMINUM	2 COAT - 70% PVDF	RUSKIN	ELF375DXH	1,3
L-2	ELEVATOR MACHINE ROOM P5	EXHAUST	50" X 64"	4"	-	-	12	FIXED	YES	ALUMINUM	2 COAT - 70% PVDF	RUSKIN	ELF375DXH	1,2,3,5
D-1	ELEVATOR MACHINE ROOM P5	EXHAUST	34" X 34"	5"	-	-	-	INSULATED	NO	ALUMINUM	CLEAR ANODIZED	RUSKIN	TED50	4
D-2	ELEVATOR MACHINE ROOM P5	EXHAUST	50" X 32"	5"	-	-	-	INSULATED	NO	ALUMINUM	CLEAR ANODIZED	RUSKIN	TED50	4

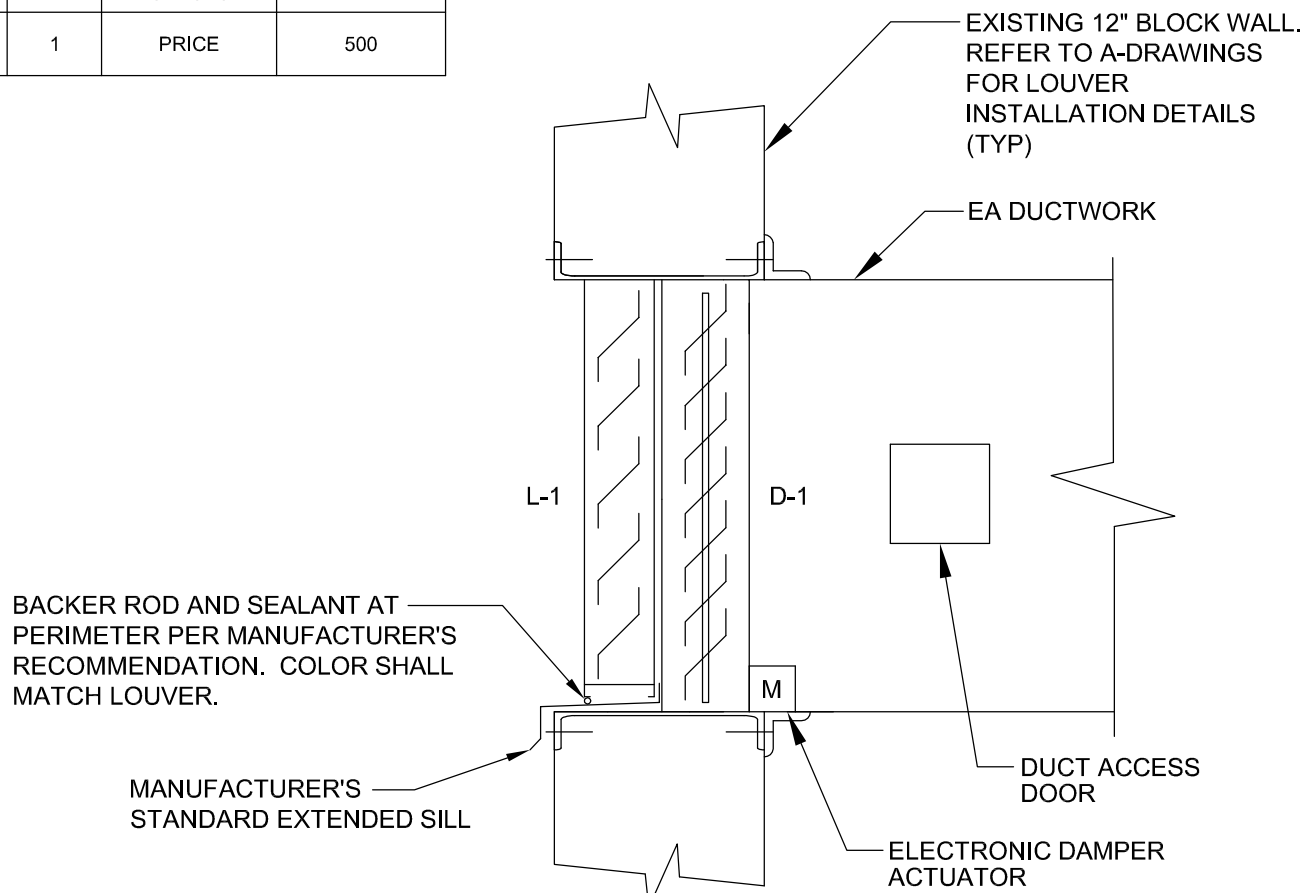
- NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR LOUVER FLASHING AND INSTALLATION DETAILS.
  2. MATCH LOUVER SIZE TO EXISTING MASONRY OPENING SIZE. CONFIRM SIZE PRIOR SUBMITTING ON LOUVER.
  3. FINAL COLOR SELECTION BY ARCHITECT.
  4. INSTALL DAMPER ACTUATOR IN EASILY ACCESSIBLE/SERVICEABLE LOCATION.
  5. PROVIDE 2" THICK ALUMINUM SKIN INSULATED SANDWICH PANEL ATTACHED TO LOUVER FRAME WITH MOUNTING BRACKET. PANEL DIMENSIONS TO BE 50"X32".

DIFFUSER, REGISTER, AND GRILLE SCHEDULE											
NO.	SIZE	SERVICE	MAT'L	FACE	MOUNTING	PATTERN	DEFLECTION ANGLE	DAMPER	NOTES	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL
A	22X22	EXHAUST	STEEL	SQUARE	WALL MOUNTED	-	0°	NO	1	PRICE	500

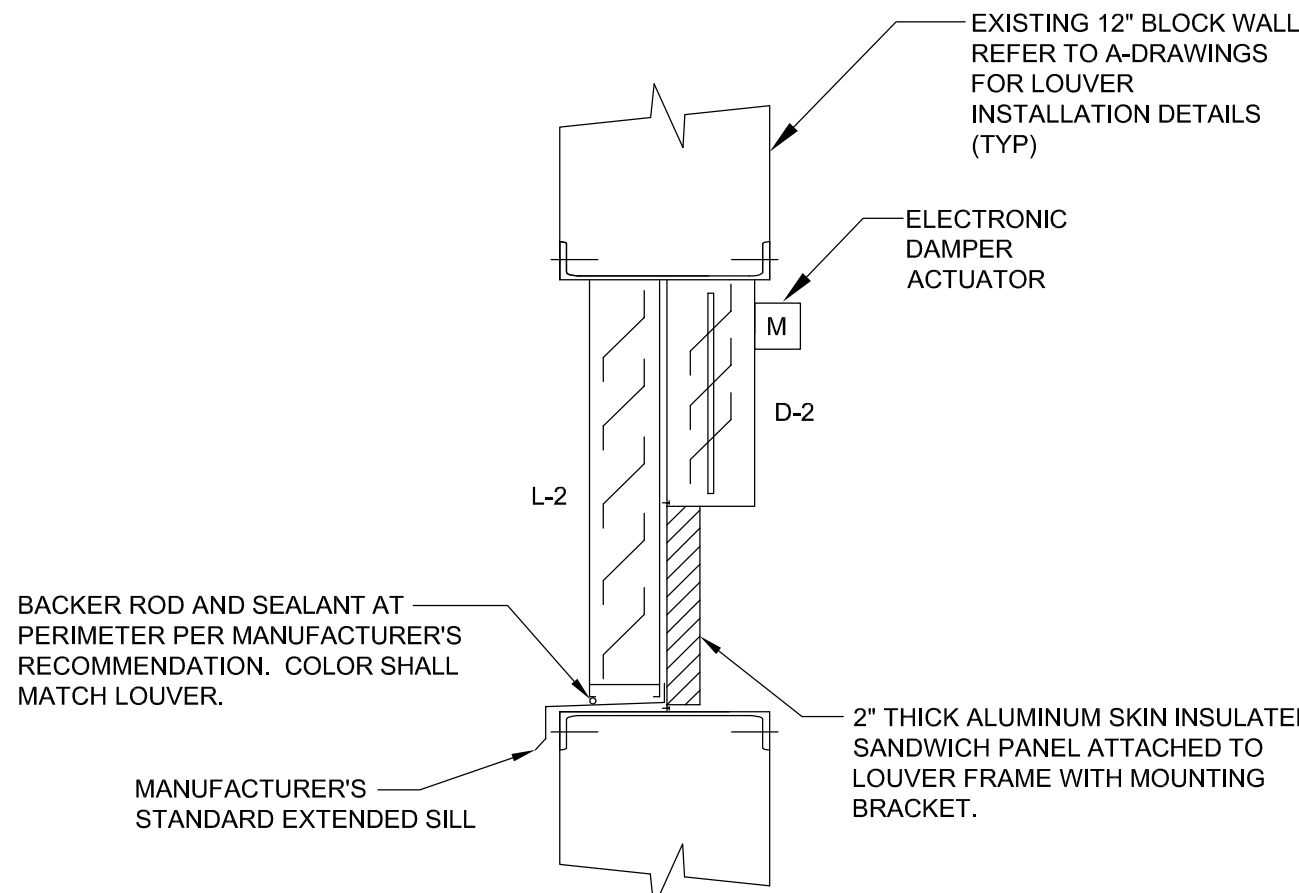
- NOTES:
1. STANDARD FACTORY FINISH TO BE SELECTED BY ARCHITECT.



1 Pipe Wall Penetration Detail  
NOT TO SCALE



2 Louver/Damper Detail (L-1/D-1)  
NOT TO SCALE



3 Louver/Damper Detail (L-2/D-2)  
NOT TO SCALE

1. RILEY ROBB HALL- ELEVATOR MACHINE ROOM P5 (AC-1R, ACCU-1R, D-1,D-2):
  - a. SPLIT UNIT AC-1R SHALL BE CONTROLLED WITH A 7-DAY PROGRAMMABLE THERMOSTAT SET TO PROVIDE COOLING AND SHALL CONDITION THE SPACE TO 70 °F. COOLING SET POINT TO BE CONFIRMED WITH APPROVED ELEVATOR MANUFACTURER.
  - b. EXISTING WALL MOUNTED RADIATOR SHALL BE CONTROLLED WITH EXISTING THERMOSTAT TO PROVIDE HEATING AND CONDITION THE SPACE TO 65 °F. HEATING SET POINT TO BE CONFIRMED WITH APPROVED ELEVATOR MANUFACTURER.
  - c. DAMPERS D-1 AND D-2, NORMALLY CLOSED, SHALL BE POWERED FROM FIRE ALARM SYSTEM UPON DETECTION OF SMOKE. REFER TO E-SERIES DRAWINGS FOR FIRE ALARM CONNECTIONS.
2. MORRISON HALL - ELEVATOR #1 MACHINE ROOM P1003 (AC-1M, ACCU-1M):
  - a. SPLIT UNIT AC-1M SHALL BE CONTROLLED WITH A 7-DAY PROGRAMMABLE THERMOSTAT SET TO PROVIDE HEATING AND COOLING TO CONDITION THE SPACE TO 70 °F. HEATING AND COOLING SET POINT TO BE CONFIRMED WITH APPROVED ELEVATOR MANUFACTURER.
3. MORRISON HALL - ELEVATOR #2 MACHINE ROOM P2003 (AC-2M, ACCU-2M):
  - a. SPLIT UNIT AC-2M SHALL BE CONTROLLED WITH A 7-DAY PROGRAMMABLE THERMOSTAT SET TO PROVIDE HEATING AND COOLING TO CONDITION THE SPACE TO 70 °F. HEATING AND COOLING SET POINT TO BE CONFIRMED WITH APPROVED ELEVATOR MANUFACTURER.

4 Riley Robb Hall/ Morrison Hall Sequence Of Operations  
NOT TO SCALE

A

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Architectural Resources

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SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL  
CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
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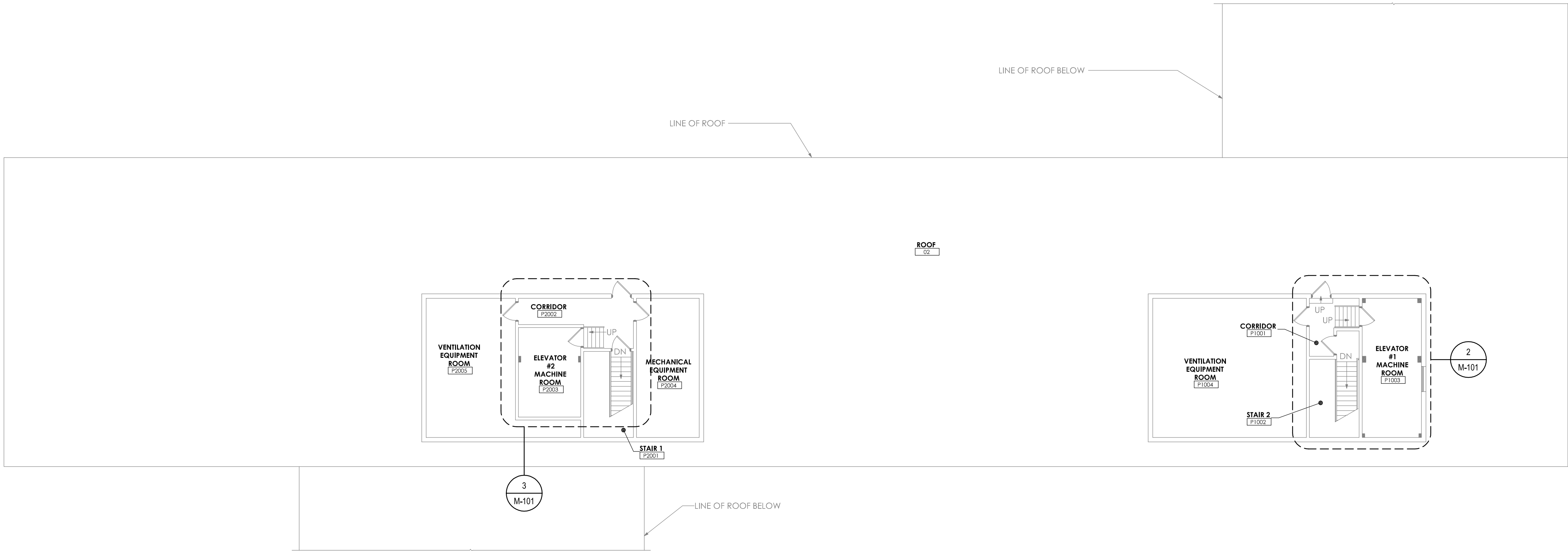
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CLIENT NO.: 161042  
DRAWN BY: BPO  
SHEET NO:

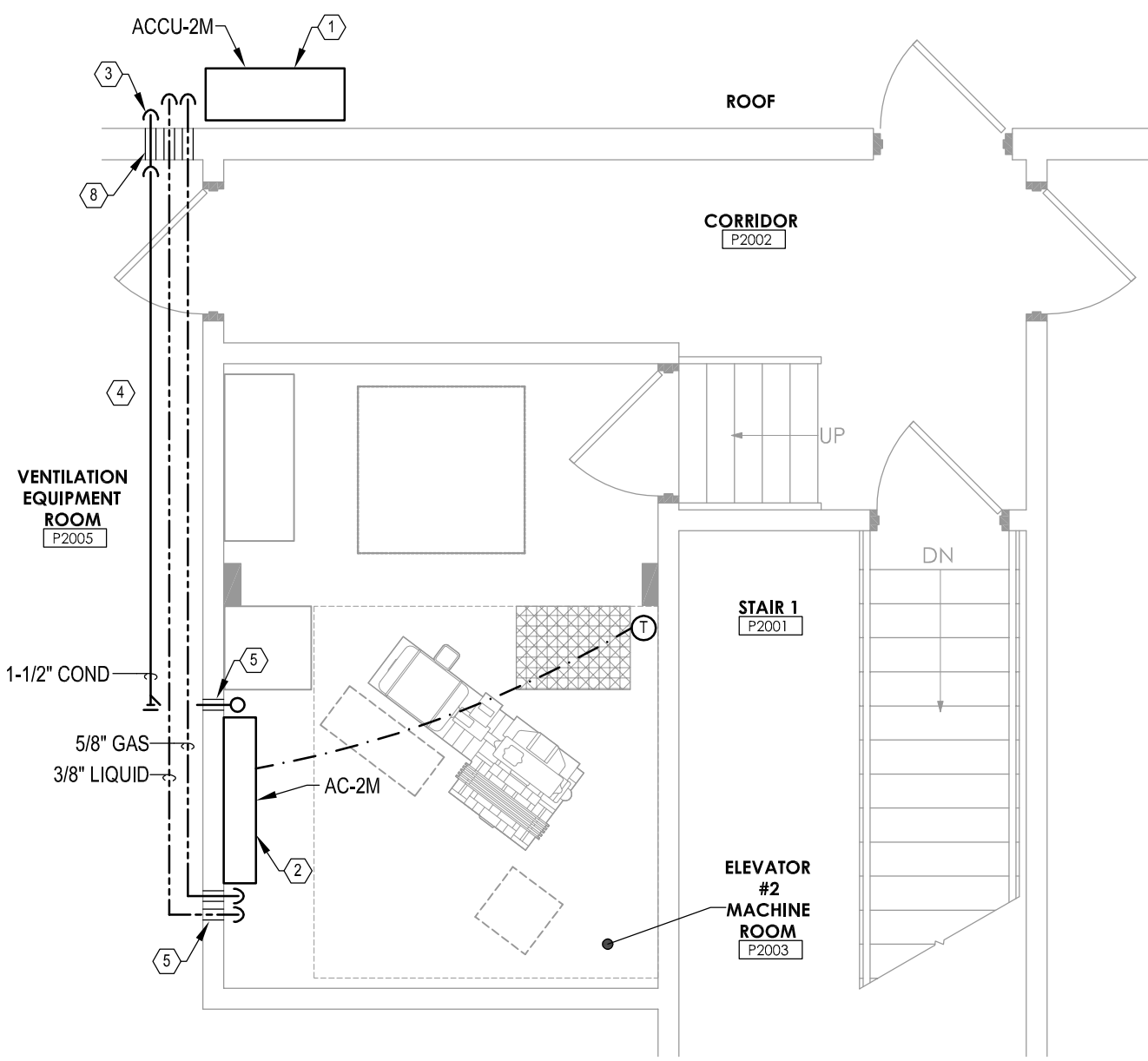
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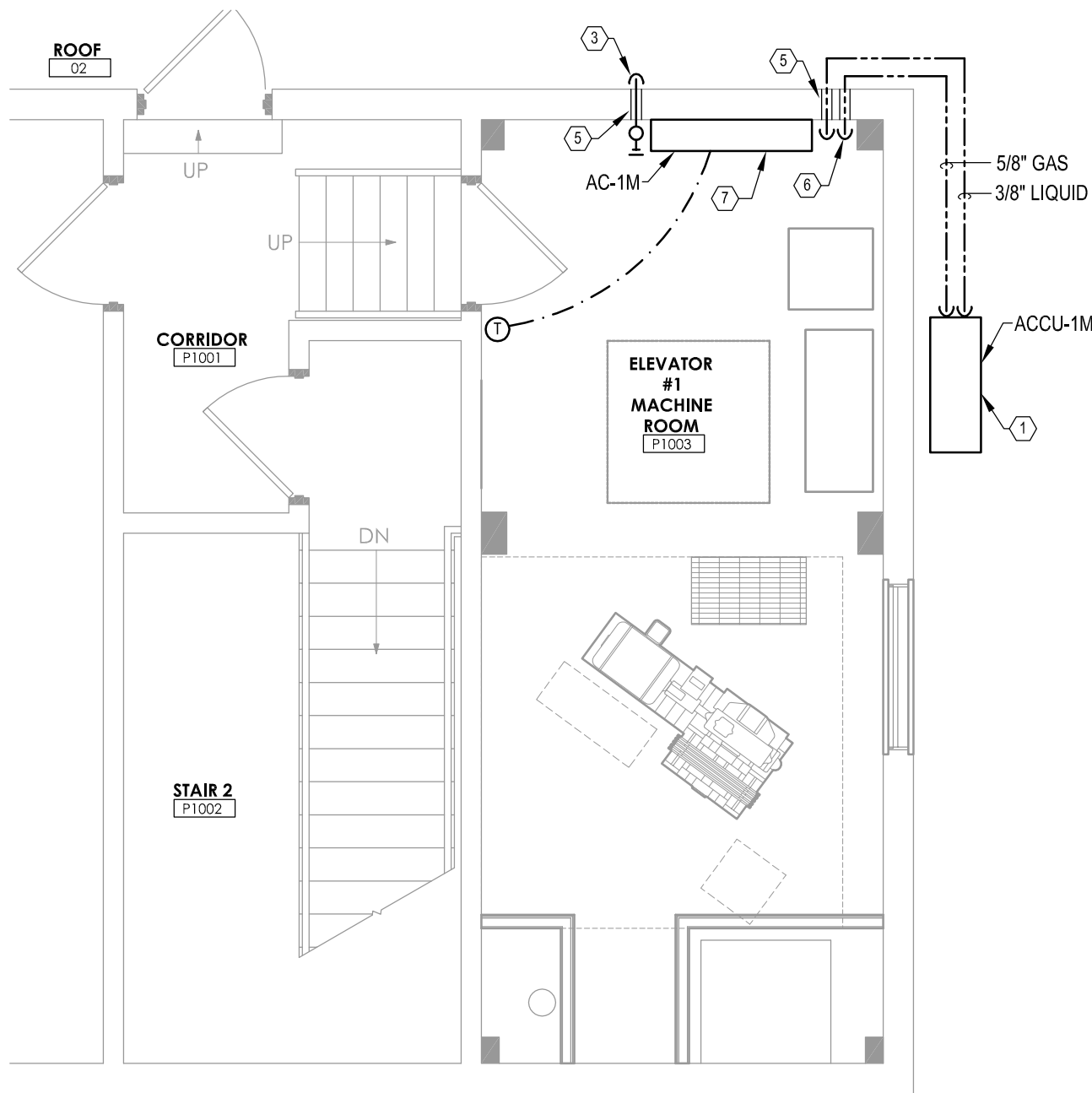
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1 Partial Overall Roof Plan  
3/32" = 1'-0"



3 Enlarged Roof Plan  
1/4" = 1'-0"

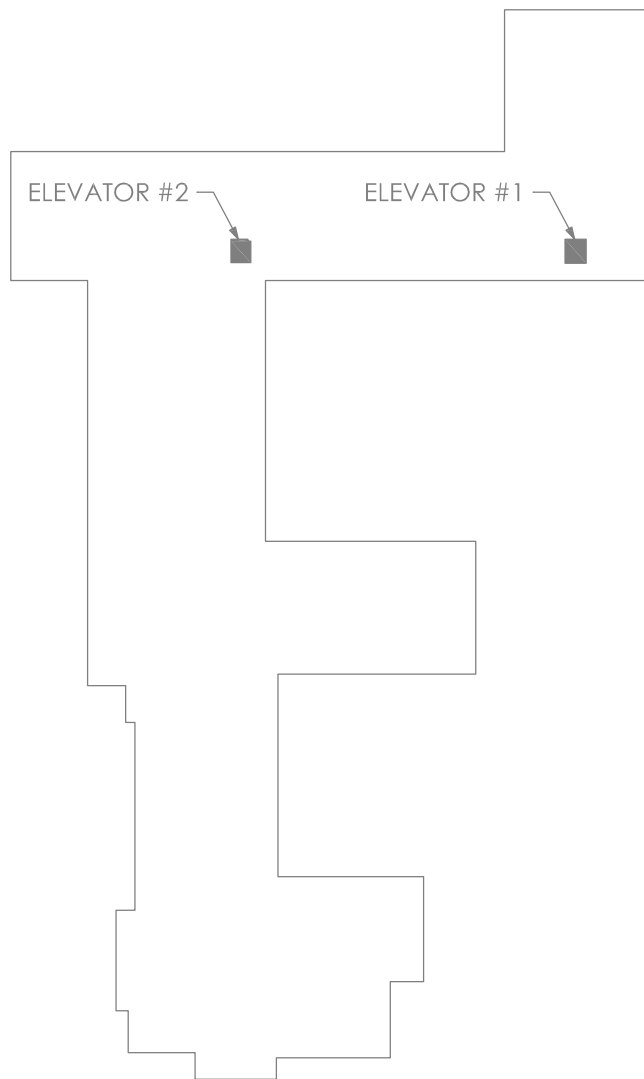


2 Enlarged Roof Plan  
1/4" = 1'-0"

## KEY NOTES:

- 1 MOUNT CONDENSING UNIT ON ROOF WITH CONDENSING UNIT MOUNTING STAND AND SECURE MOUNTING STAND BACK TO PENTHOUSE WALL WITH 1-5/8" GALVANIZED CHANNEL STRUT.
- 2 WALL MOUNT AC-2M AT 8' AFF. TO BOTTOM OF UNIT. COORDINATE MOUNTING HEIGHT OF AC UNIT WITH EXISTING SPACE AND PROPOSED ELEVATOR EQUIPMENT.
- 3 1-1/2" CONDENSATE FROM AC-1M/AC-2M DRAINED TO EXTERIOR OF BUILDING. TERMINATE CONDENSATE INDIRECTLY 24" ABOVE ROOF SURFACE. SLOPE CONDENSATE PIPING AT 1/8" PER FOOT TOWARDS DRAIN LOCATION, ROUTE CONDENSATE OVER DOORWAY.
- 4 ROUTE CONDENSATE AND REFRIGERANT PIPING TIGHT TO WALL AND AT CEILING LEVEL OF VENTILATION EQUIPMENT ROOM P2005.
- 5 CORE DRILL FOR PIPE PENETRATION THROUGH WALL. FIRESTOP PIPE WALL PENETRATIONS AS REQUIRED TO MAINTAIN EXISTING WALL RATING (TYP).
- 6 5/8" GAS AND 3/8" LIQUID REFRIGERANT PIPING FROM AC-1M TO ACCU-1M.
- 7 WALL MOUNT AC-1M AT 7' AFF. TO BOTTOM OF UNIT. COORDINATE MOUNTING HEIGHT OF AC UNIT WITH EXISTING SPACE AND PROPOSED ELEVATOR EQUIPMENT.
- 8 CORE DRILL FOR PIPE PENETRATIONS (TYP) THROUGH EXTERIOR WALL, REFER TO DETAIL 1/M-001.

## Key Plan



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## SUCF NO. 161042 - REPLACE ELEVATORS MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

SEAL



EXPIRATION: 10/01/25



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## MORRISON PARTIAL OVERALL FLOOR PLANS

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CLIENT NO: 161042

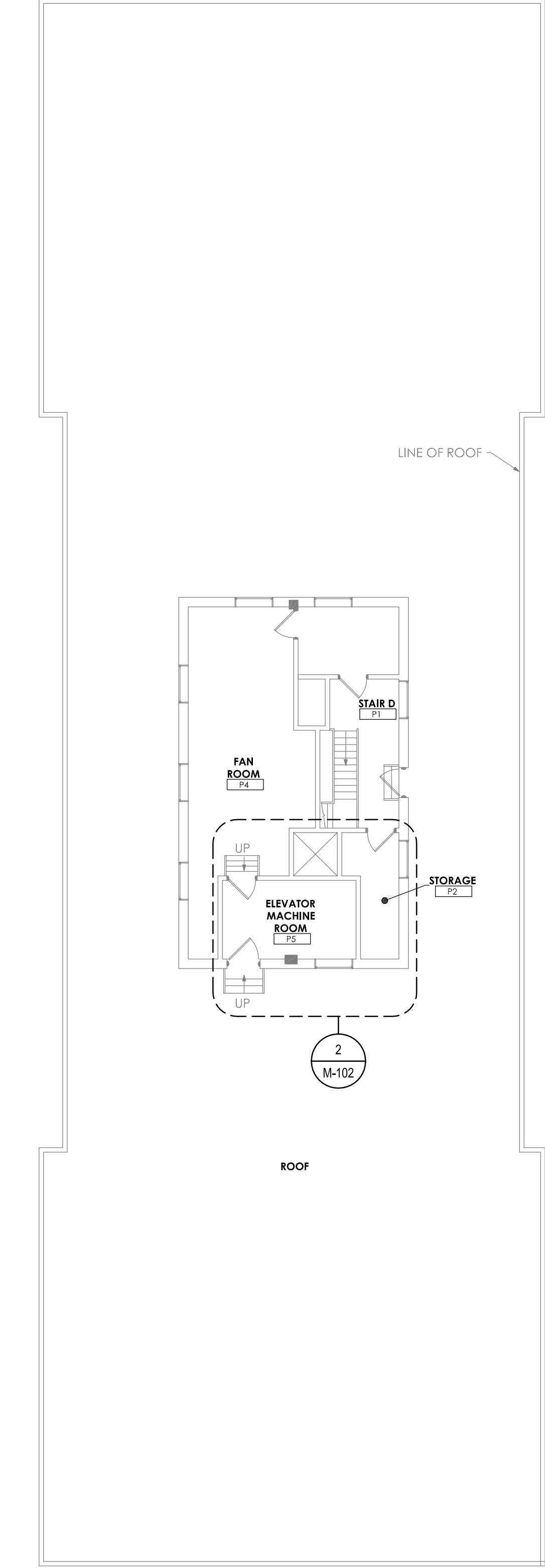
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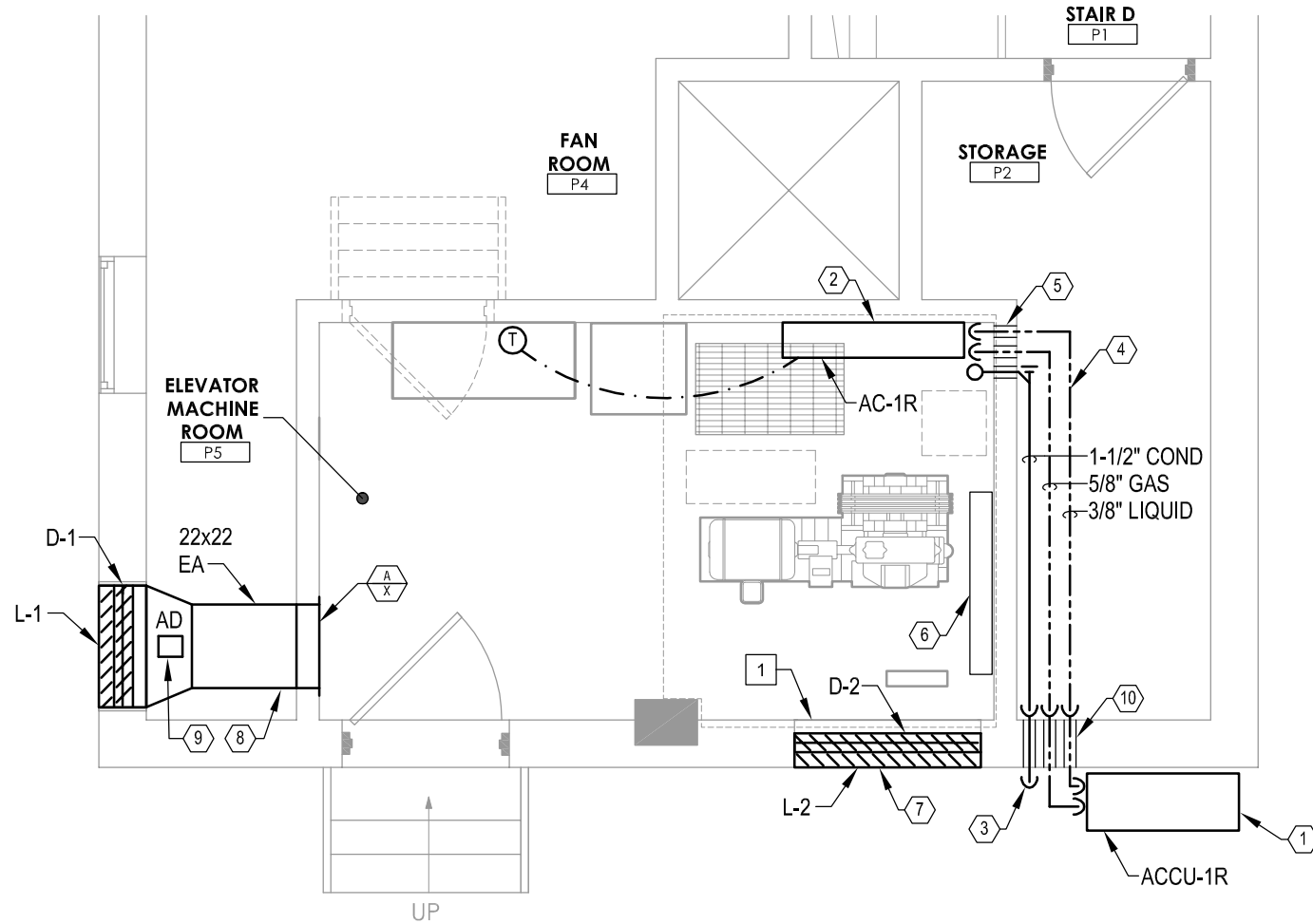
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3/32" = 1'-0"



2 Enlarged Roof Plan  
1/4" = 1'-0"

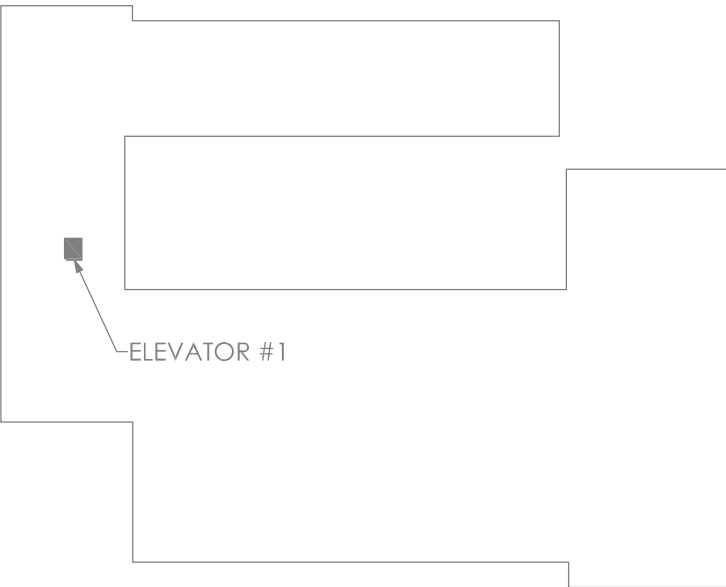
## REMOVAL NOTES:

- 1 REMOVE EXISTING DAMPER ACTUATOR, DAMPER, LOUVER, AND THERMOSTAT SERVING WINDOW MOUNTED COMBINATION LOUVER DAMPER. REFER TO E-SERIES DRAWINGS FOR CONDUIT AND POWER WIRING REMOVALS.

## KEY NOTES:

- 1 MOUNT CONDENSING UNIT ON WALL WITH FACTORY OPTION WALL MOUNT BRACKET. MOUNT UNIT AT MINIMUM 2'-6" ABOVE ROOF SURFACE.
- 2 WALL MOUNT AC-1R AT 7' AFF. COORDINATE MOUNTING HEIGHT OF AC UNIT WITH EXISTING SPACE AND PROPOSED ELEVATOR EQUIPMENT.
- 3 1-1/2" CONDENSATE FROM AC-1R DRAINED TO EXTERIOR OF BUILDING. TERMINATE CONDENSATE INDIRECTLY 24" ABOVE ROOF SURFACE. SLOPE CONDENSATE PIPING AT 1/8" PER FOOT TOWARDS DRAIN LOCATION.
- 4 ROUTE CONDENSATE AND REFRIGERANT PIPING TIGHT TO WALL AND AT AT CEILING LEVEL OF STORAGE P2.
- 5 CORE DRILL FOR PIPE PENETRATION THROUGH WALL. REFER TO DETAIL 1/M-001. FIRESTOP PIPE WALL PENETRATIONS AS REQUIRED TO MAINTAIN EXISTING WALL RATING (TYP).
- 6 EXISTING WALL MOUNTED HOT WATER RADIATOR TO REMAIN.
- 7 PROVIDE L-2 TO MATCH EXISTING COMBINATION LOUVER/DAMPER WALL OPENING SIZE. CONFIRM SIZE PRIOR TO INSTALLATION. PROVIDE D-2 TO MATCH EXISTING WALL OPENING WIDTH. CONFIRM SIZE PRIOR TO INSTALLATION. BLANK OF REMAINING PORTION OF LOUVER WITH 2" THICK ALUMINUM SKIN INSULATED SANDWICH PANEL. REFER TO 3/M-001 FOR LOUVER/DAMPER DETAIL. REFER TO E-SERIES DRAWINGS FOR DAMPER ACTUATOR POWER AND FIRE ALARM SYSTEM CONNECTION.
- 8 WRAP DUCT IN 2-HOUR RATED FIRE BARRIER DUCT WRAP.
- 9 PROVIDE DUCT ACCESS DOOR SO THAT L-1 ACTUATOR IS EASILY ACCESSIBLE. DUCT ACCESS DOOR TO MATCH FIRE RATING OF DUCTWORK.
- 10 CORE DRILL FOR PIPE PENETRATIONS (TYP) THROUGH EXTERIOR WALL, REFER TO DETAIL 1/M-001.

## Key Plan



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### SPRINGLINE DESIGN

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EAST GREENBUSH, NY 12061

PHONE: 518-487-4755  
FAX: 518-670-0122

### POPLI DESIGN GROUP

555 PENBROOKE DRIVE  
PENFIELD, NY 14526

PHONE: 585-388-2060  
FAX: 585-388-2070

## SUCF NO. 161042 - REPLACE ELEVATORS MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

SEAL



EXPIRATION: 10/01/25



## BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

## RILEY ROBB PARTIAL OVERALL FLOOR PLANS

A/r JOB NO.: 190.114

CLIENT NO: 161042

DRAWN BY: BPO

SHEET NO:

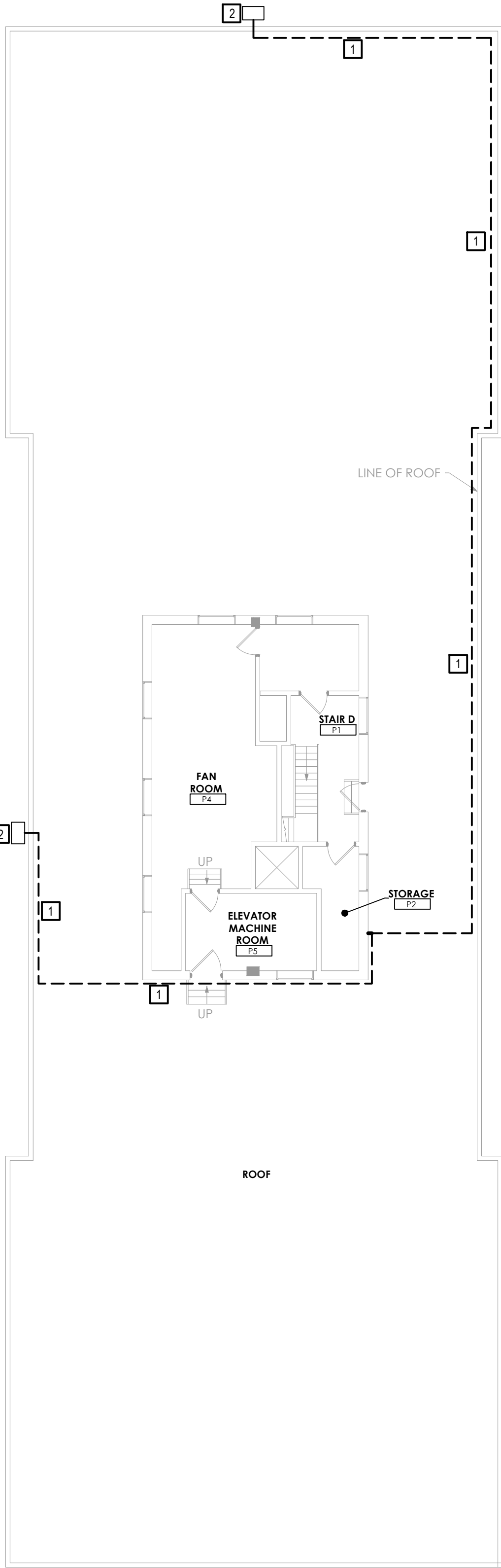
M-102



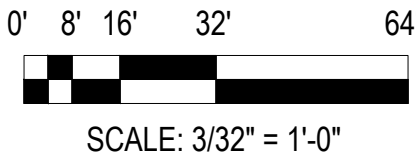




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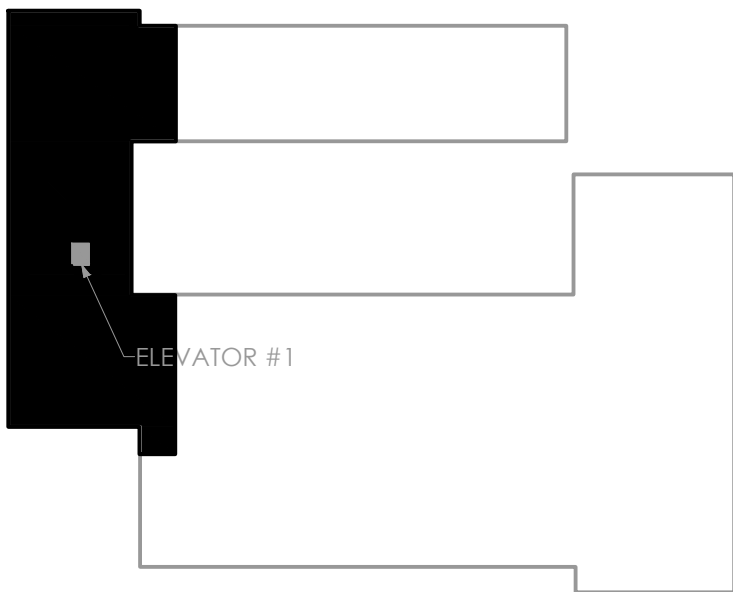


1 Partial Overall Roof Plan  
3/32" = 1'-0"



SCALE: 3/32" = 1'-0"

Key Plan



GENERAL NOTES:

- SEE E-105 DETAIL 3 FOR ROOF NEW WORK PLAN.
- ALL BRANCH CIRCUITS AND FEEDERS SHALL BE LOCKED OUT/TAGGED OUT BEFORE REMOVAL WORK BEGINS.
- FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.

KEYED NOTES: #

- DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRING FROM EXISTING LIGHT FIXTURE BACK TO SOURCE.
- EXISTING LIGHT FIXTURE SHALL REMAIN.



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SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
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10/27/2023

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NO.	DESCRIPTION	DATE

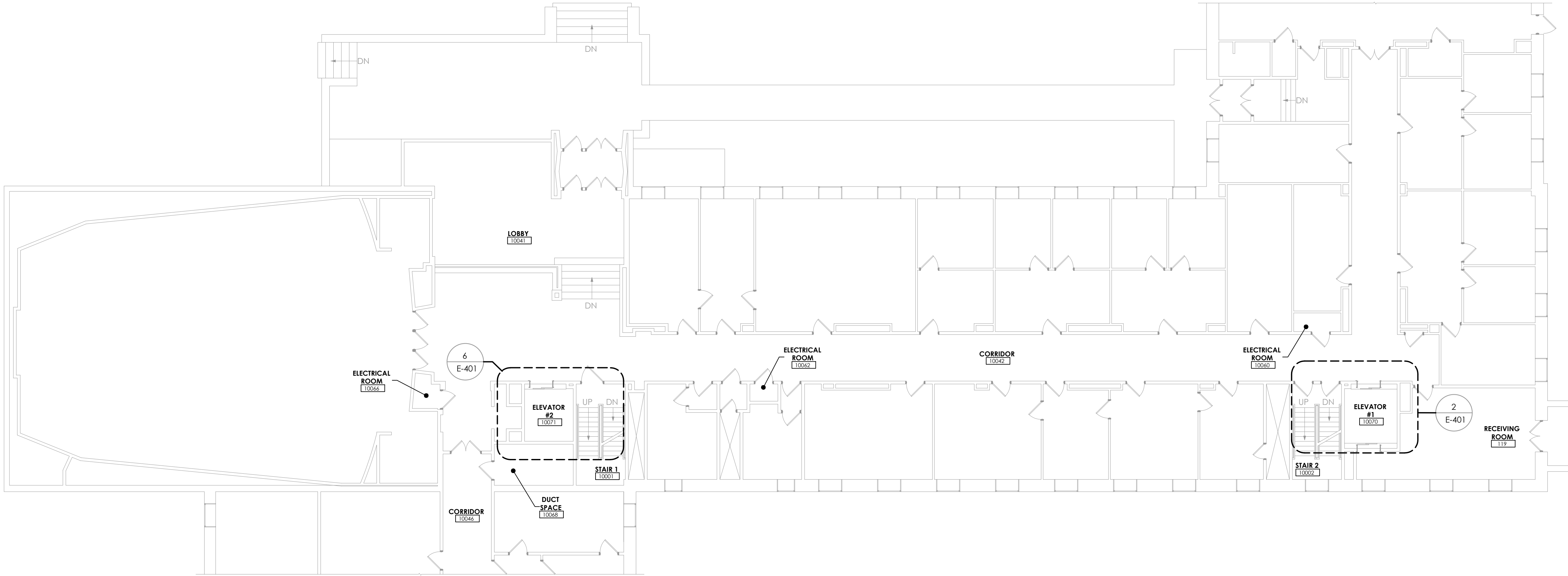
RILEY ROBB  
PARTIAL OVERALL  
ROOF PLAN

A/r JOB NO.: 190.114  
CLIENT NO: 161042  
DRAWN BY: JK  
SHEET NO:

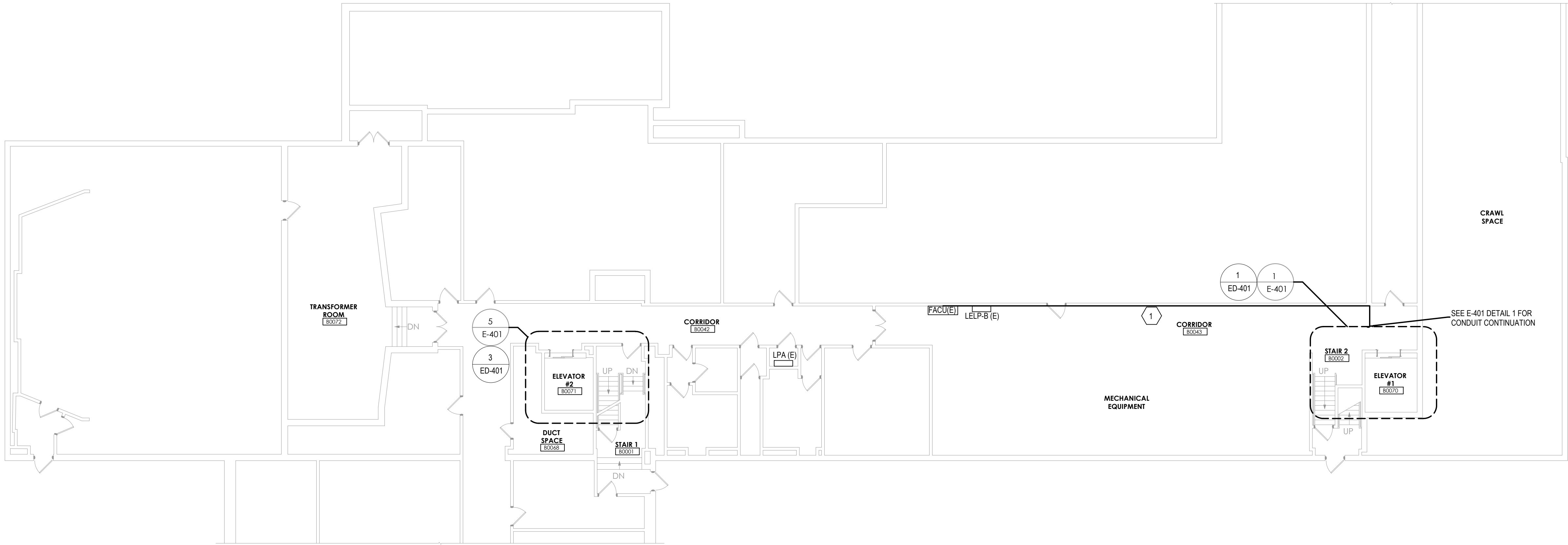
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2 Partial Overall First Floor Plan  
3/32" = 1'-0"



1 Partial Overall Basement Floor Plan  
3/32" = 1'-0"

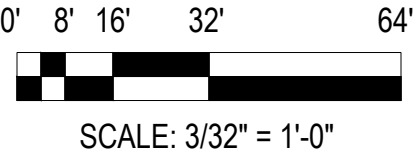
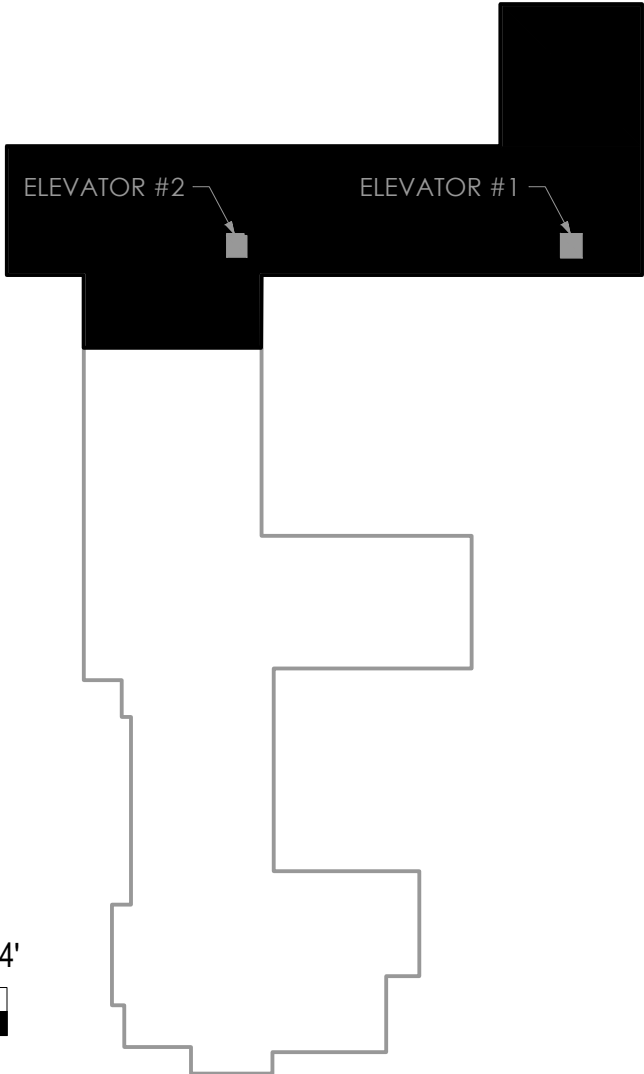
GENERAL NOTES:

- SEE SHEET ED-401 DETAIL 1&3 FOR BASEMENT REMOVAL PLAN. SEE SHEET E-401 DETAIL 1&5 FOR BASEMENT NEW WORK PLAN.
- SEE SHEET E-401 DETAIL 2&6 FOR FIRST FLOOR NEW WORK PLAN.
- FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND/OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.

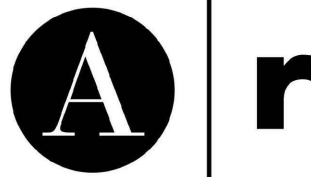
KEYED NOTES: (X)

- PROVIDE WALL MOUNTED CONDUIT AND FIRE ALARM CABLE IN CORRIDOR B0043 TO EXISTING FIRE ALARM CONTROL UNIT.

Key Plan



SCALE: 3/32" = 1'-0"



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SUCF NO. 161042 - REPLACE ELEVATORS  
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MORRISON  
PARTIAL OVERALL  
FLOOR PLANS

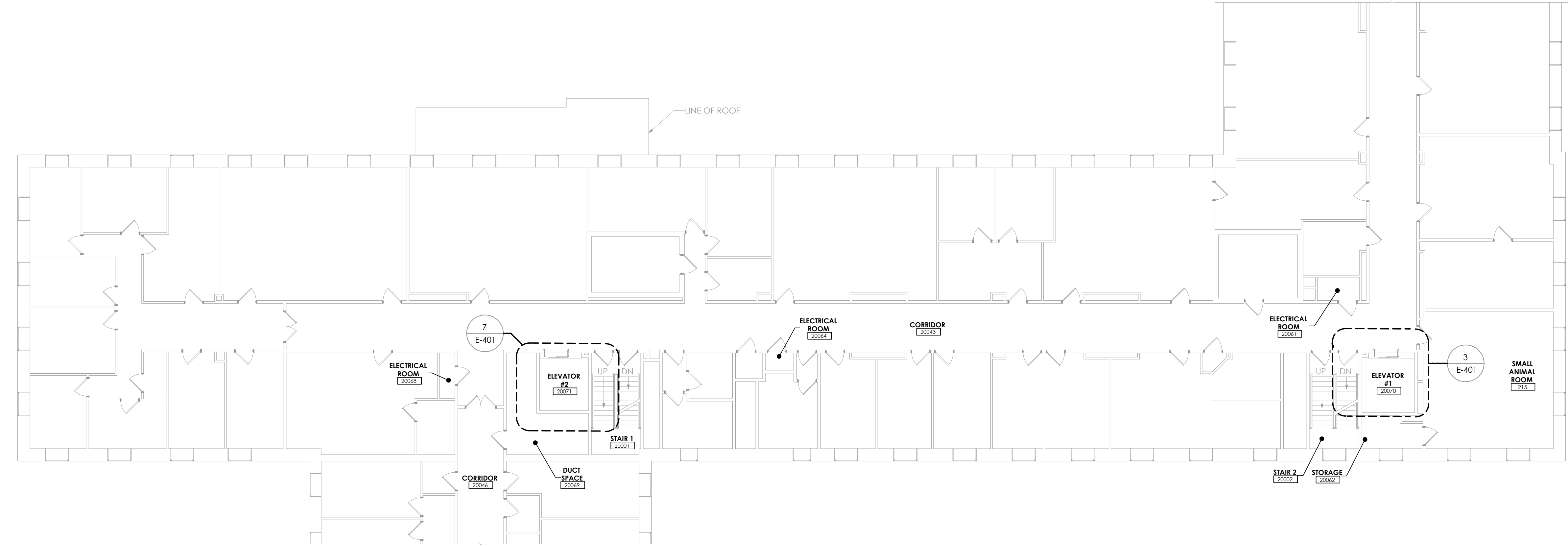
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CLIENT NO.: 161042  
DRAWN BY: JK  
SHEET NO:

E-101

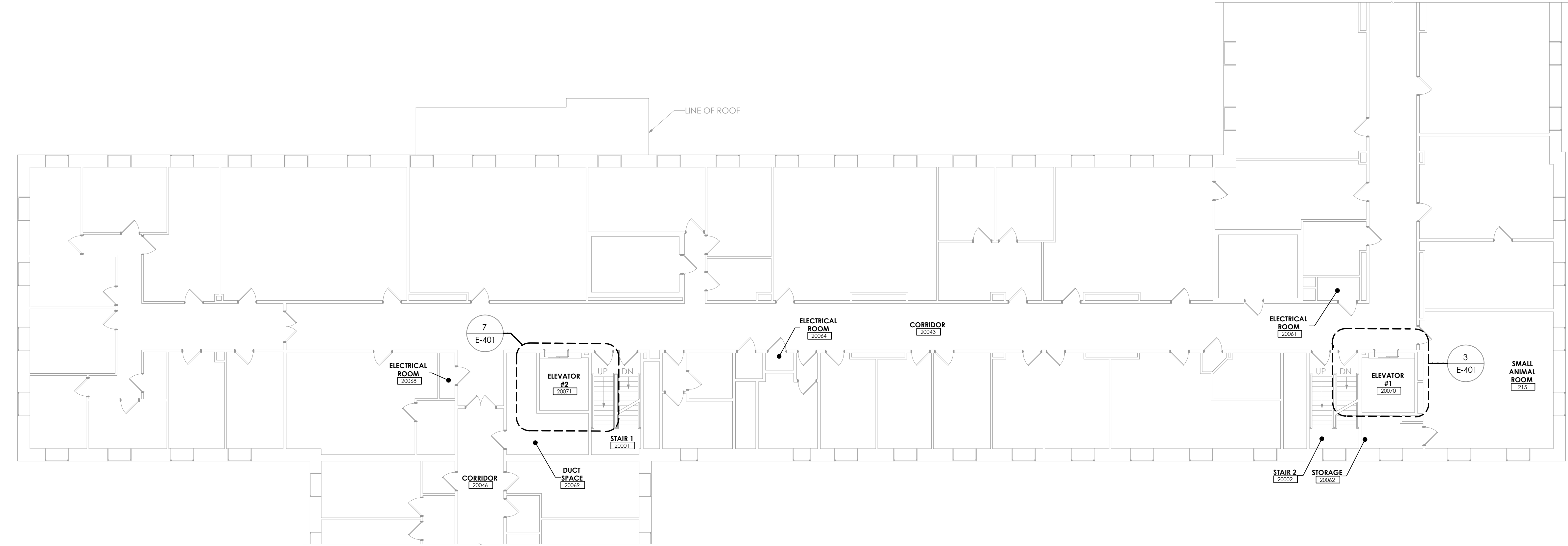


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2 Partial Overall Third Floor Plan  
3/32" = 1'-0"



1 Partial Overall Second Floor Plan  
3/32" = 1'-0"



GENERAL NOTES:

- SEE SHEET E-401 DETAIL 3,7&8 FOR SECOND AND THIRD FLOOR NEW WORK PLAN.
- FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.



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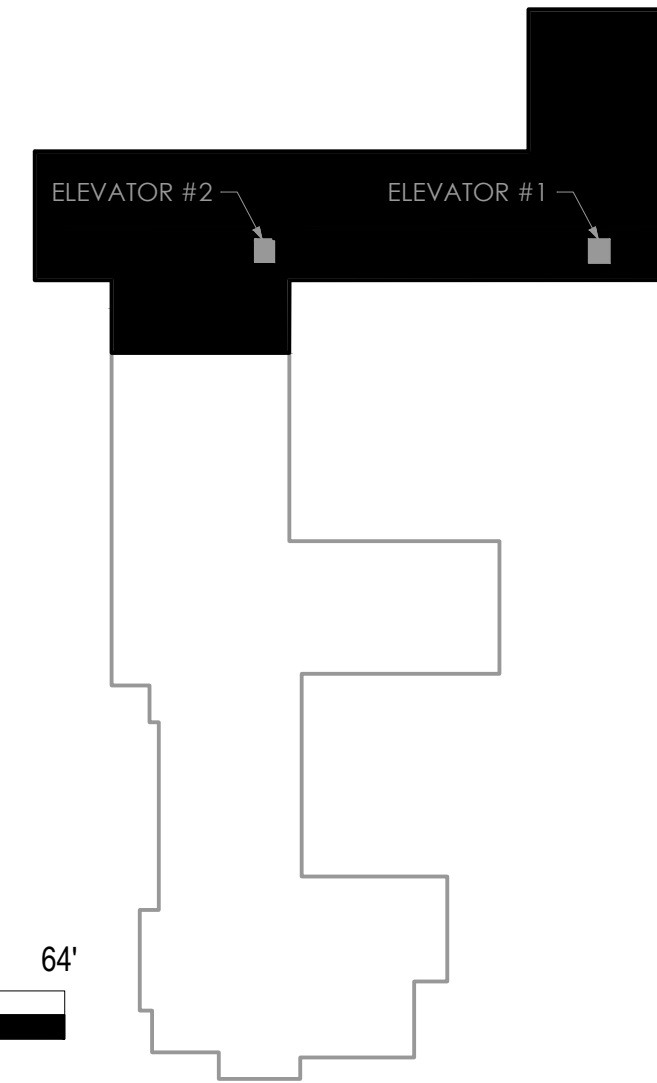
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NO.	DESCRIPTION	DATE

MORRISON  
PARTIAL OVERALL  
FLOOR PLANS

A/r JOB NO.: 190.114  
CLIENT NO: 161042  
DRAWN BY: JK  
SHEET NO:

E-102

Key Plan

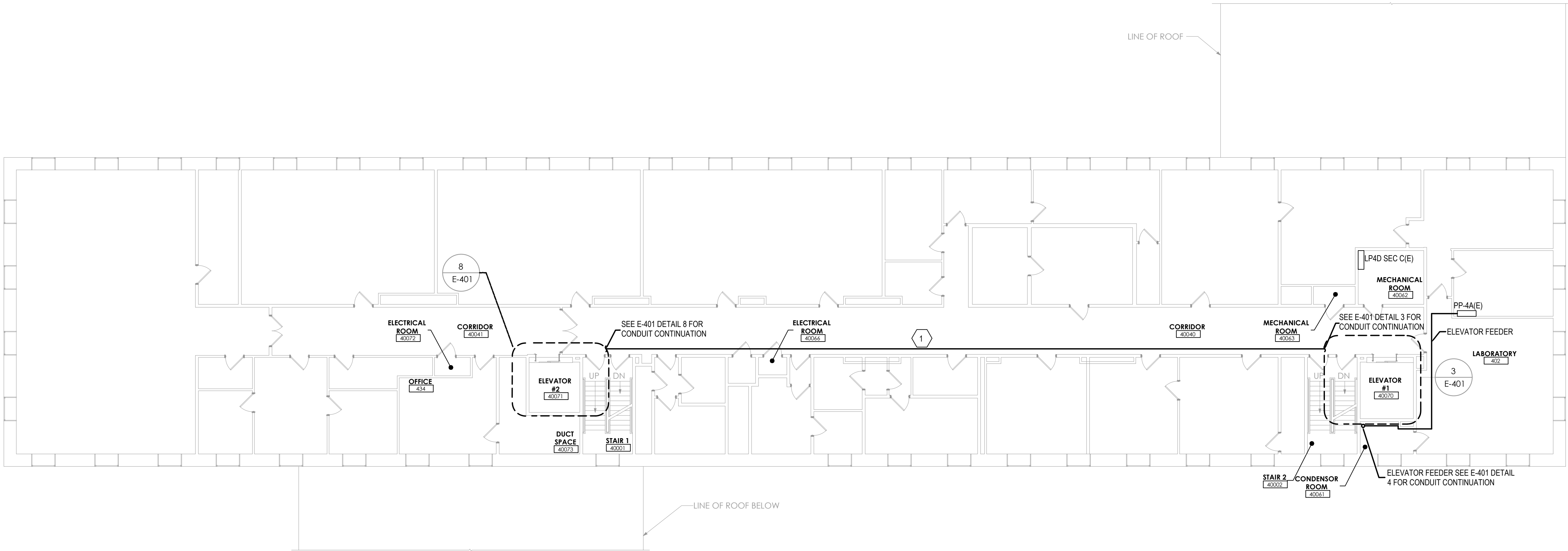


0' 8' 16' 32' 64'  
SCALE: 3/32" = 1'-0"

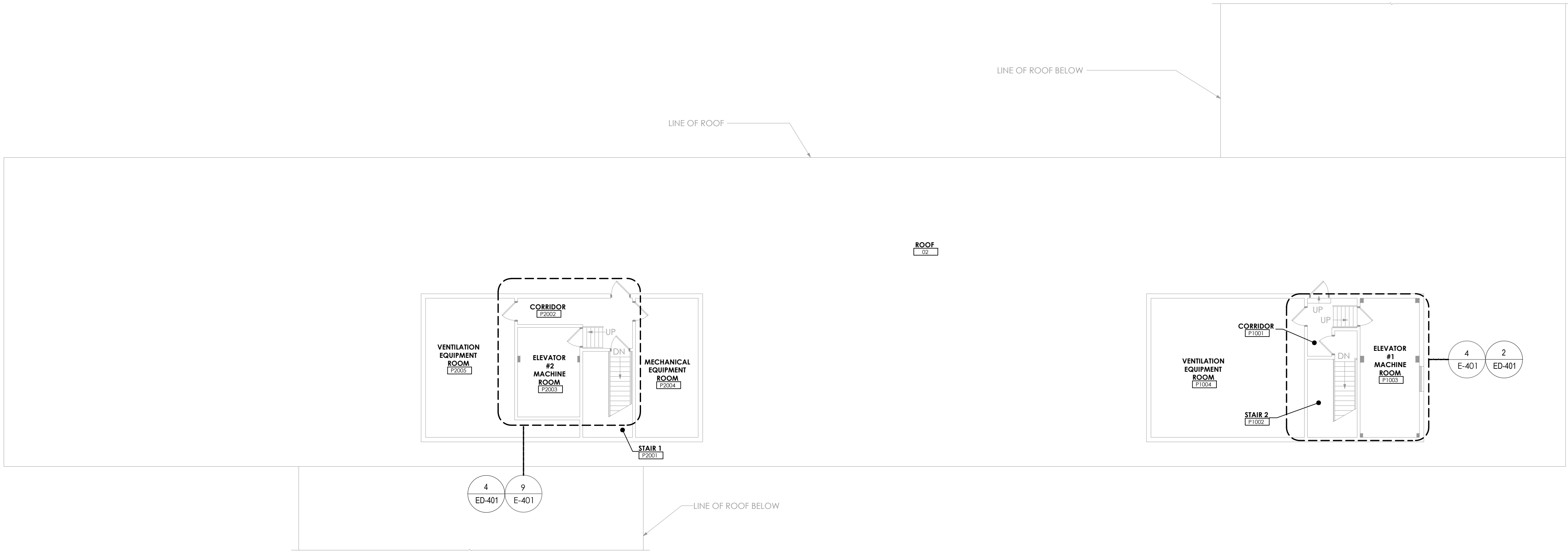


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1 Partial Overall Roof Plan  
3/32" = 1'-0"



2 Partial Overall Fourth Floor Plan  
3/32" = 1'-0"



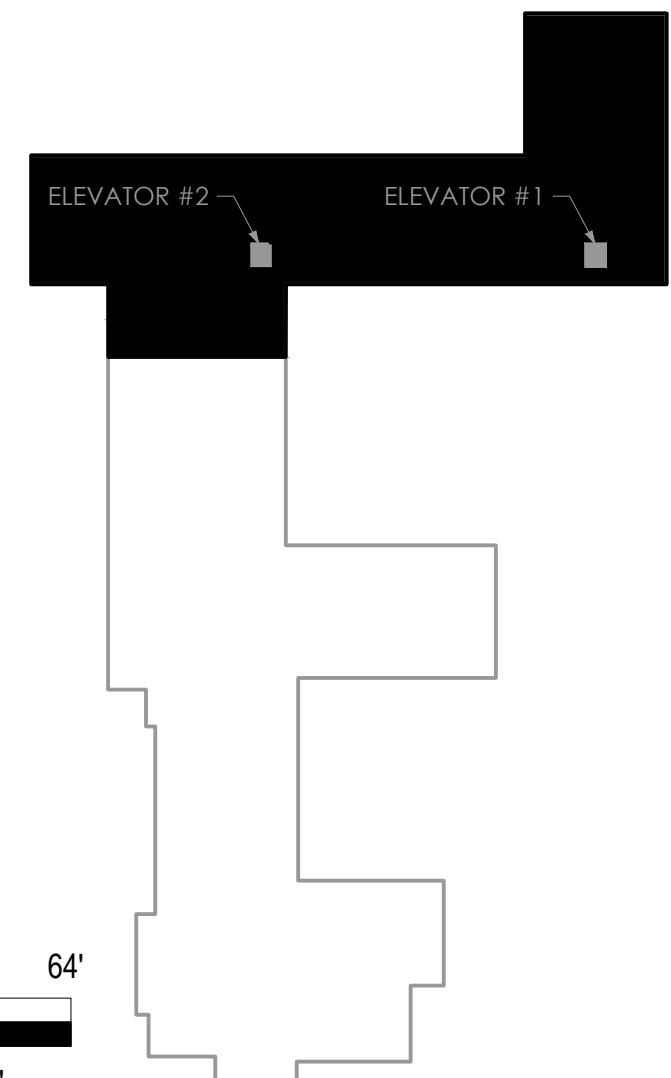
#### GENERAL NOTES:

- SEE SHEET E-401 DETAIL 3&8 FOR FOURTH FLOOR NEW WORK PLAN.
- SEE SHEET ED-401 DETAIL 2&4 FOR ROOF REMOVAL PLAN. SEE SHEET E-401 DETAIL 4&9 FOR ROOF NEW WORK PLAN.
- FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.

#### KEYED NOTES:

- PROVIDE CONDUIT AND FIRE ALARM CABLE ABOVE CEILING IN CORRIDOR 40040 TO EXISTING FIRE ALARM CONTROL UNIT LOCATED IN CORRIDOR 80043 IN THE BASEMENT.

#### Key Plan

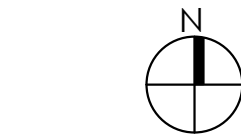


0' 8' 16' 32' 64'  
SCALE: 3/32" = 1'-0"

#### SUCF NO. 161042 - REPLACE ELEVATORS MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

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10/27/2023

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NO.	DESCRIPTION	DATE

#### MORRISON PARTIAL OVERALL FLOOR PLANS

A/r JOB NO.: 190.114  
CLIENT NO.: 161042  
DRAWN BY: JK  
SHEET NO:

E-103

**A r**  
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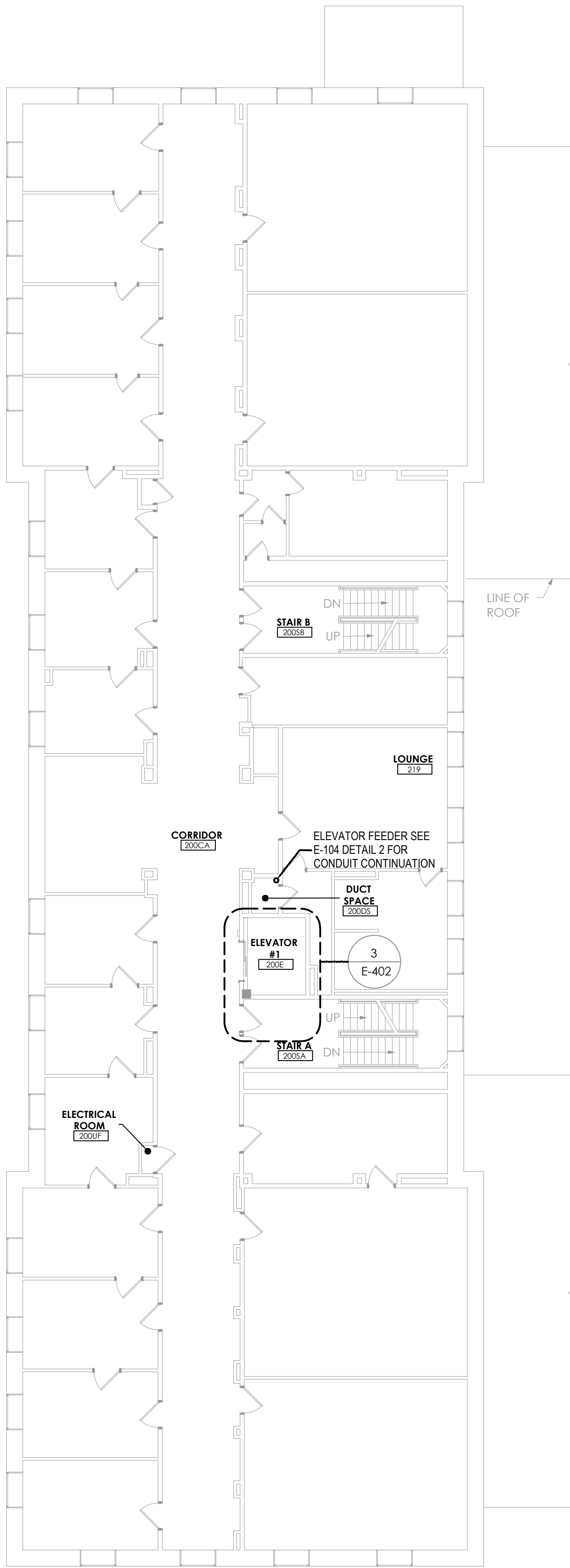
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PHONE: 716-332-3136  
FAX: 716-332-3134

**SPRINGLINE DESIGN**  
73 TROY ROAD  
EAST GREENBUSH, NY 12061  
PHONE: 518-487-4755  
FAX: 518-670-0122

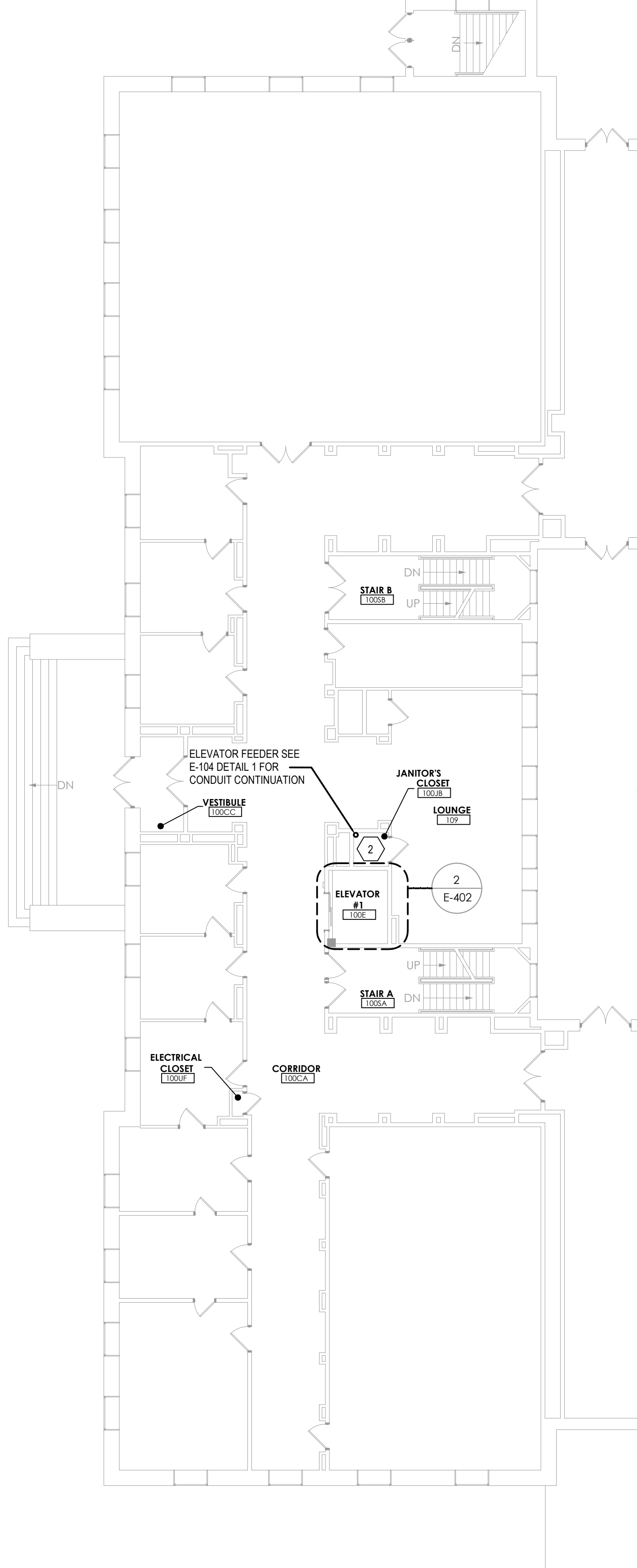
**POPLI DESIGN GROUP**  
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PENFIELD, NY 14526  
PHONE: 585-388-2060  
FAX: 585-388-2070



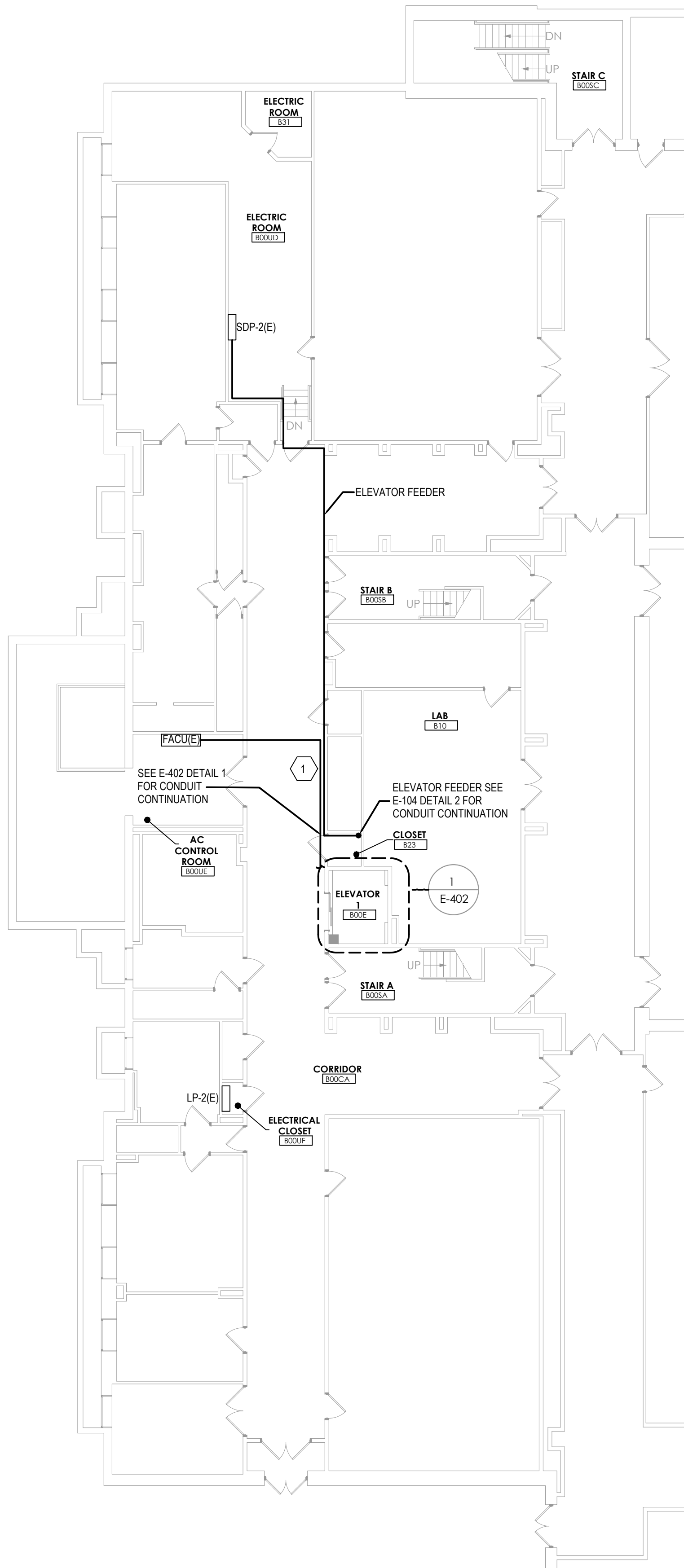
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3 Partial Overall Second Floor Plan  
3/32" = 1'-0"

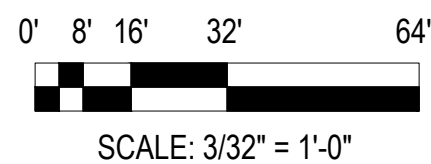
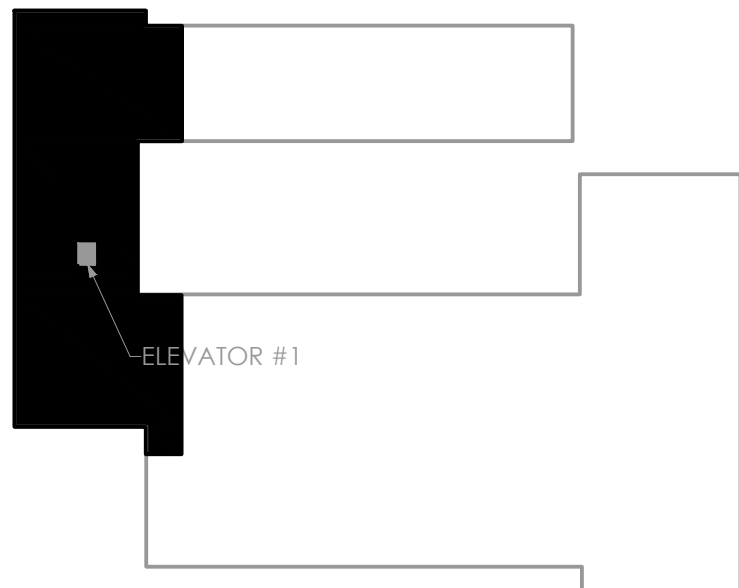


2 Partial Overall First Floor Plan  
3/32" = 1'-0"



1 Partial Overall Basement Floor Plan  
3/32" = 1'-0"

### Key Plan



SCALE: 3/32" = 1'-0"

### GENERAL NOTES:

- SEE SHEET ED-402 DETAIL 1 FOR BASEMENT REMOVAL PLAN. SEE E-402 DETAIL 1 FOR BASEMENT NEW WORK PLAN.
- SEE SHEET E-402 DETAIL 2 FOR FIRST FLOOR NEW WORK PLAN.
- SEE SHEET E-402 DETAIL 3 FOR SECOND FLOOR NEW WORK PLAN.
- FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.
- ALL EXPOSED CONDUIT IN THE CORRIDOR B00CA TO BE KEPT AS HIGH AS FEASIBLE.

### KEYED NOTES:

- PROVIDE CONDUIT AND FIRE ALARM CABLE IN CORRIDOR B00CA TO EXISTING FIRE ALARM CONTROL UNIT LOCATED IN AC CONTROL ROOM B00UE.
- ABATEMENT CONTRACTOR SHALL CORE THE HOLE THROUGH THE SLAB INTO THE BASEMENT LEVEL DUE TO THE POTENTIAL FOR A WATERPROOF MEMBRANE/COATING UNDER THE TILE OF JANITORS CLOSET 100JB. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR THE DRILLING.

A

r

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SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL  
CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853



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NO.	DESCRIPTION	DATE

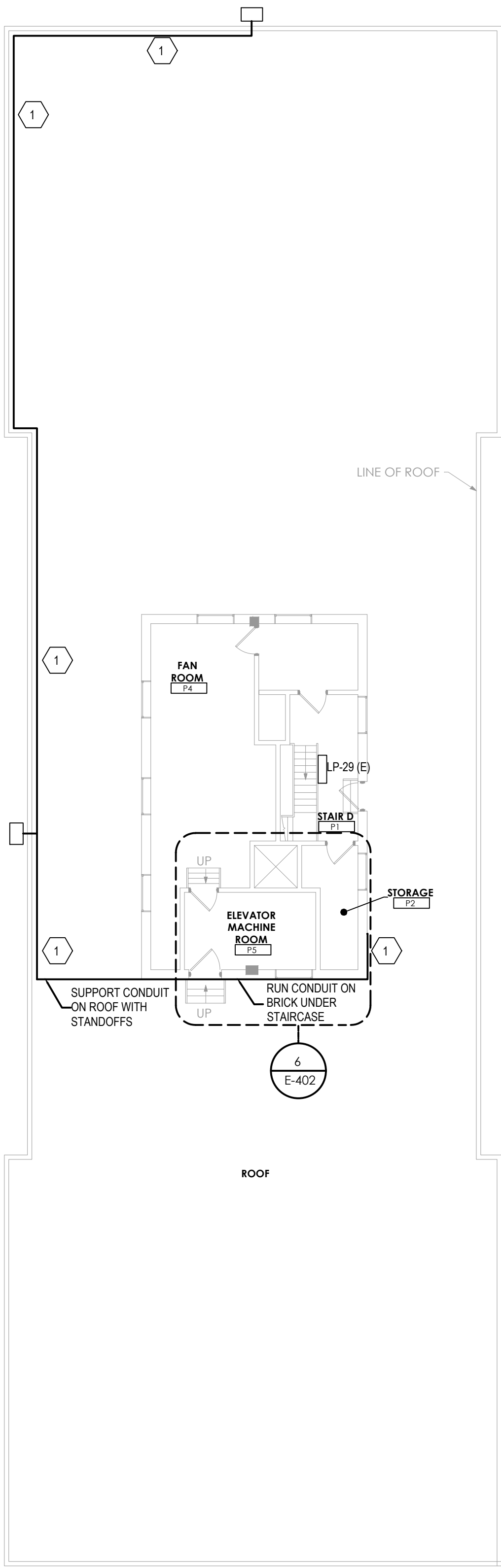
RILEY ROBB  
PARTIAL OVERALL  
FLOOR PLANS

A|r JOB NO.: 190.114  
CLIENT NO: 161042  
DRAWN BY: JK  
SHEET NO:

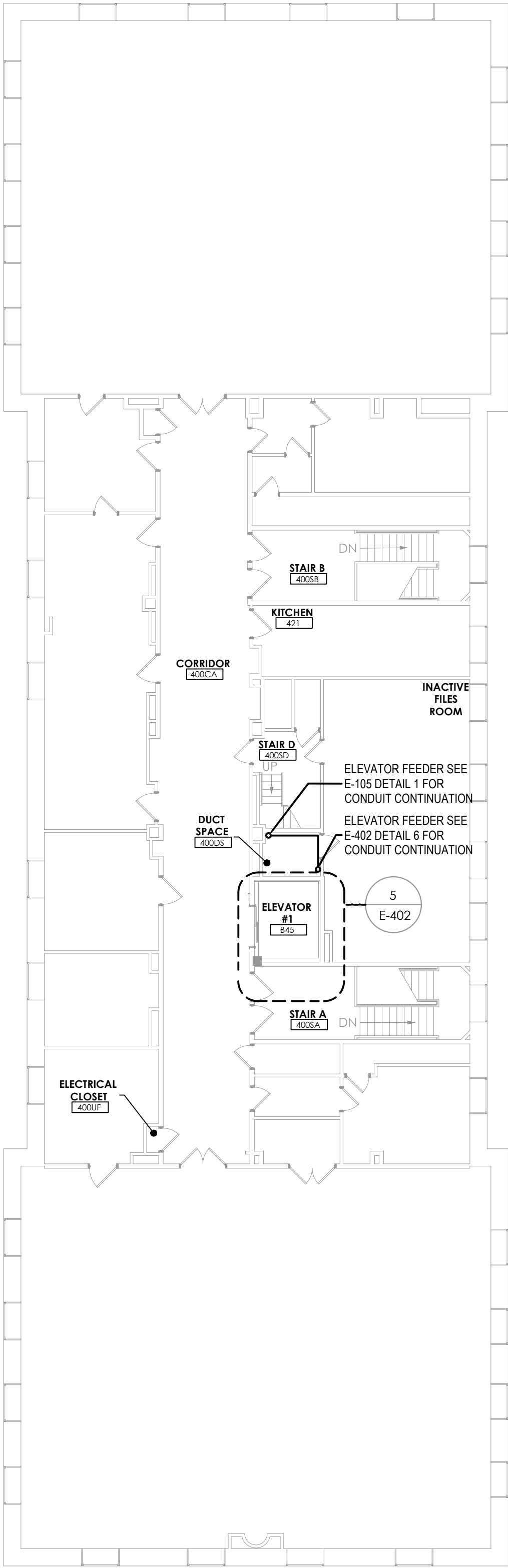
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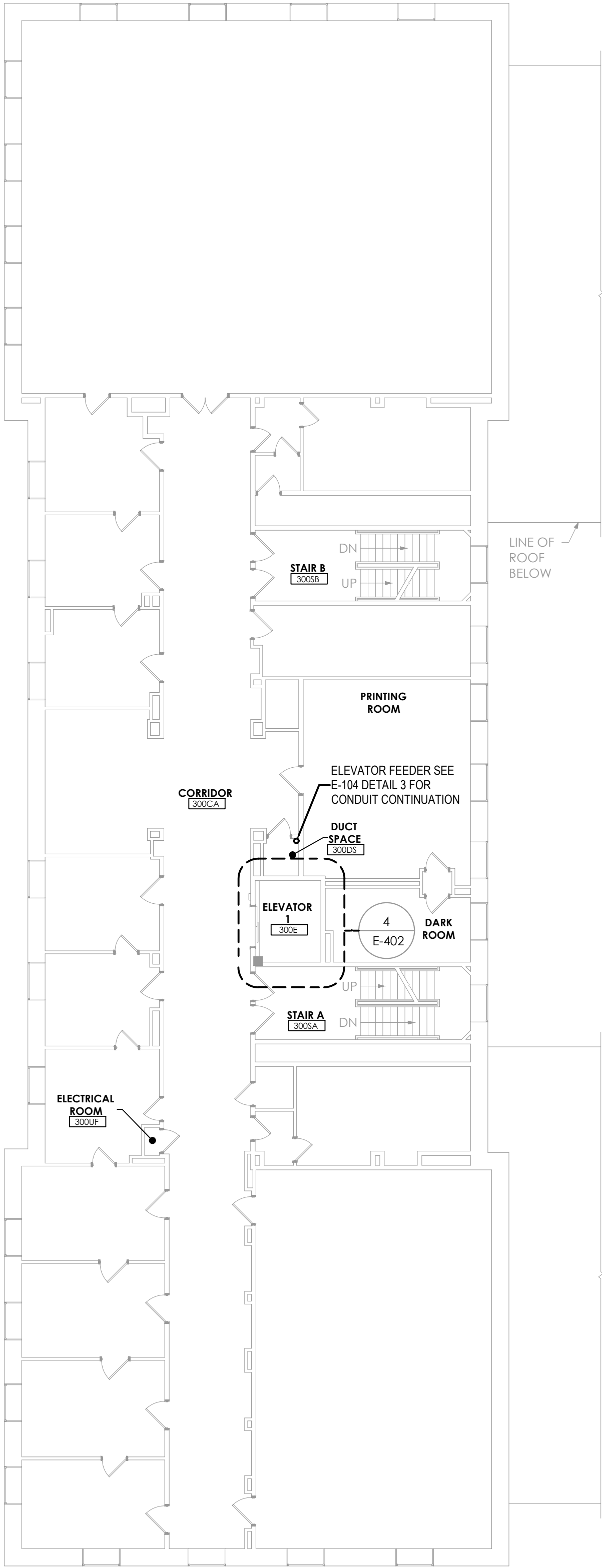
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3 Partial Overall Roof Plan  
3/32" = 1'-0"



2 Partial Overall Fourth Floor Plan  
3/32" = 1'-0"



1 Partial Overall Third Floor Plan  
3/32" = 1'-0"

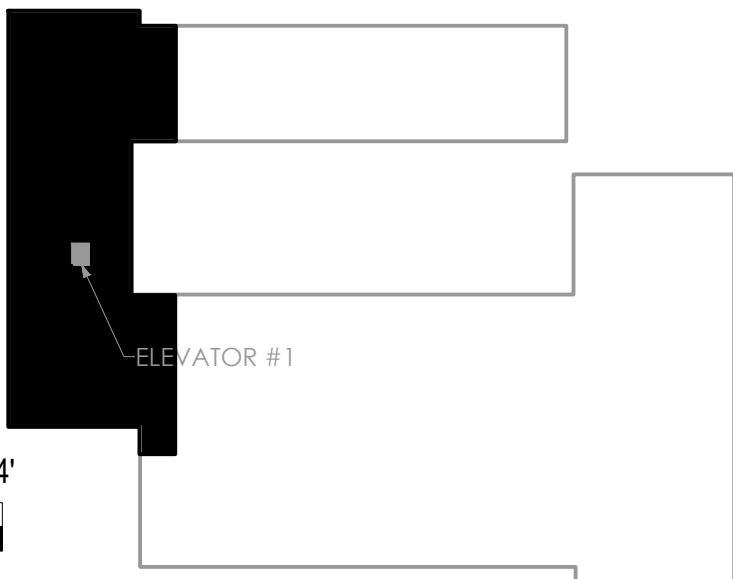
#### GENERAL NOTES:

- SEE E-402 DETAIL 4 FOR THIRD FLOOR NEW WORK PLAN.
- SEE E-402 DETAIL 5 FOR FOURTH FLOOR NEW WORK PLAN.
- SEE ED-402 DETAIL 2 FOR ROOF REMOVAL PLAN. SEE SHEET E-402 DETAIL 6 FOR ROOF NEW WORK PLAN.
- SEE E-641 FOR ROOF STANDOFF DETAIL.
- FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.

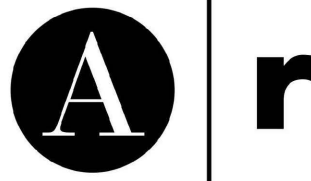
#### KEYED NOTES:

- PROVIDE NEW CONDUIT AND WIRING FOR POWER CONNECTION TO EXISTING LIGHT FIXTURE. RUN CONDUIT ON PARAPET ALONG EDGE OF ROOF.

#### Key Plan



0' 8' 16' 32' 64'  
SCALE: 3/32" = 1'-0"



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PHONE: 518-487-4755  
FAX: 518-670-0122

#### POPLI DESIGN GROUP

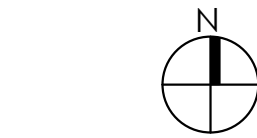
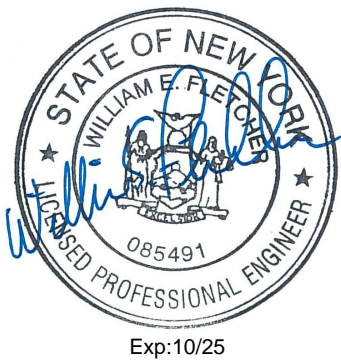
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CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

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10/27/2023

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#### RILEY ROBB PARTIAL OVERALL FLOOR PLANS

A/r JOB NO.: 190.114

CLIENT NO.: 161042

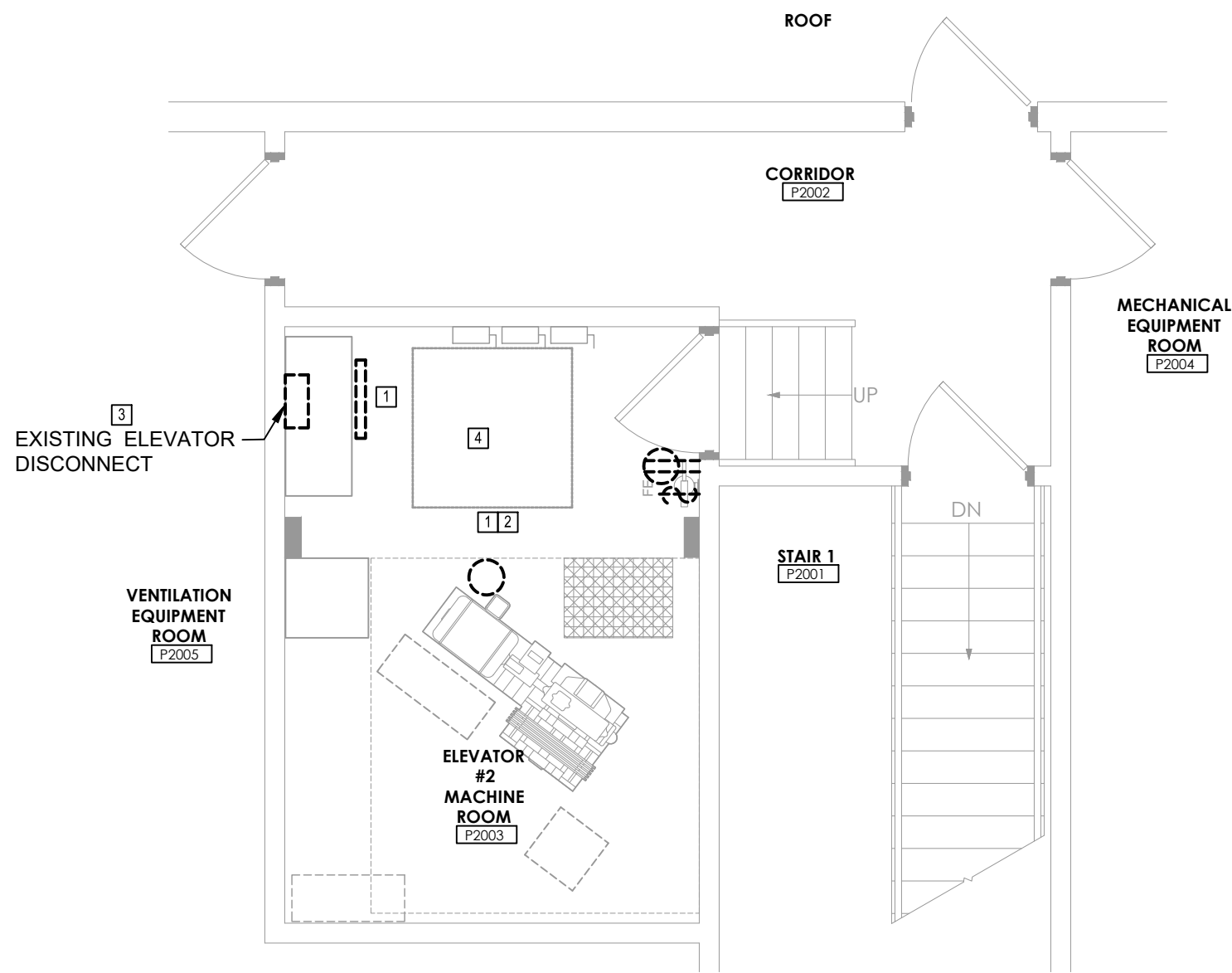
DRAWN BY: JK

SHEET NO:

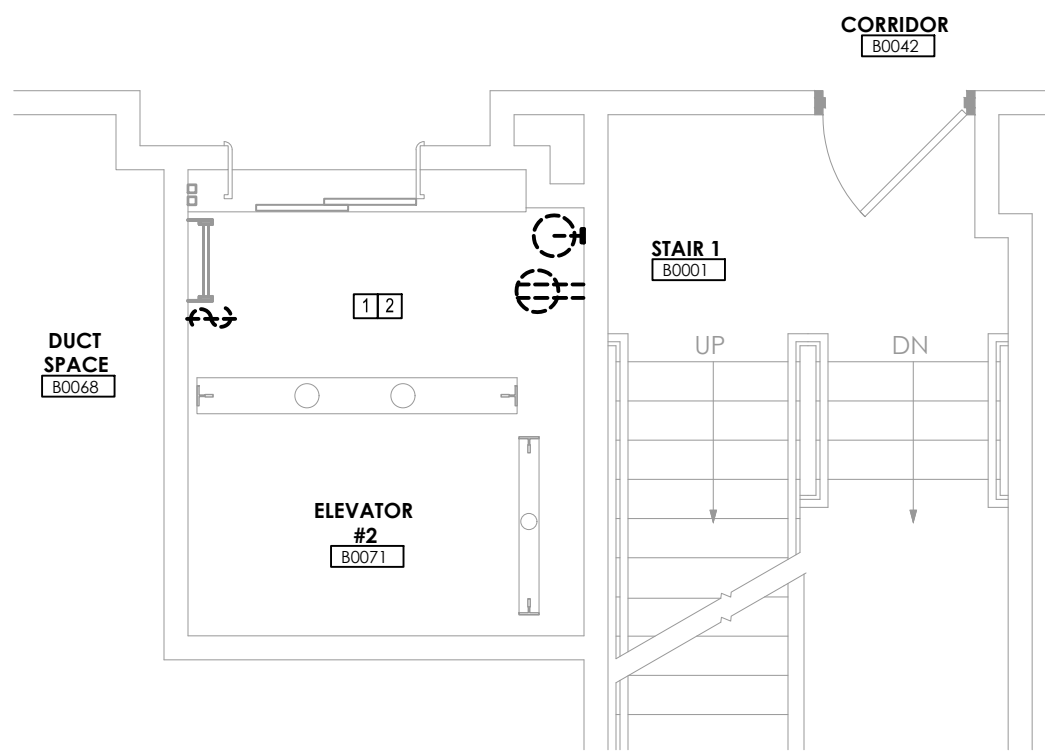
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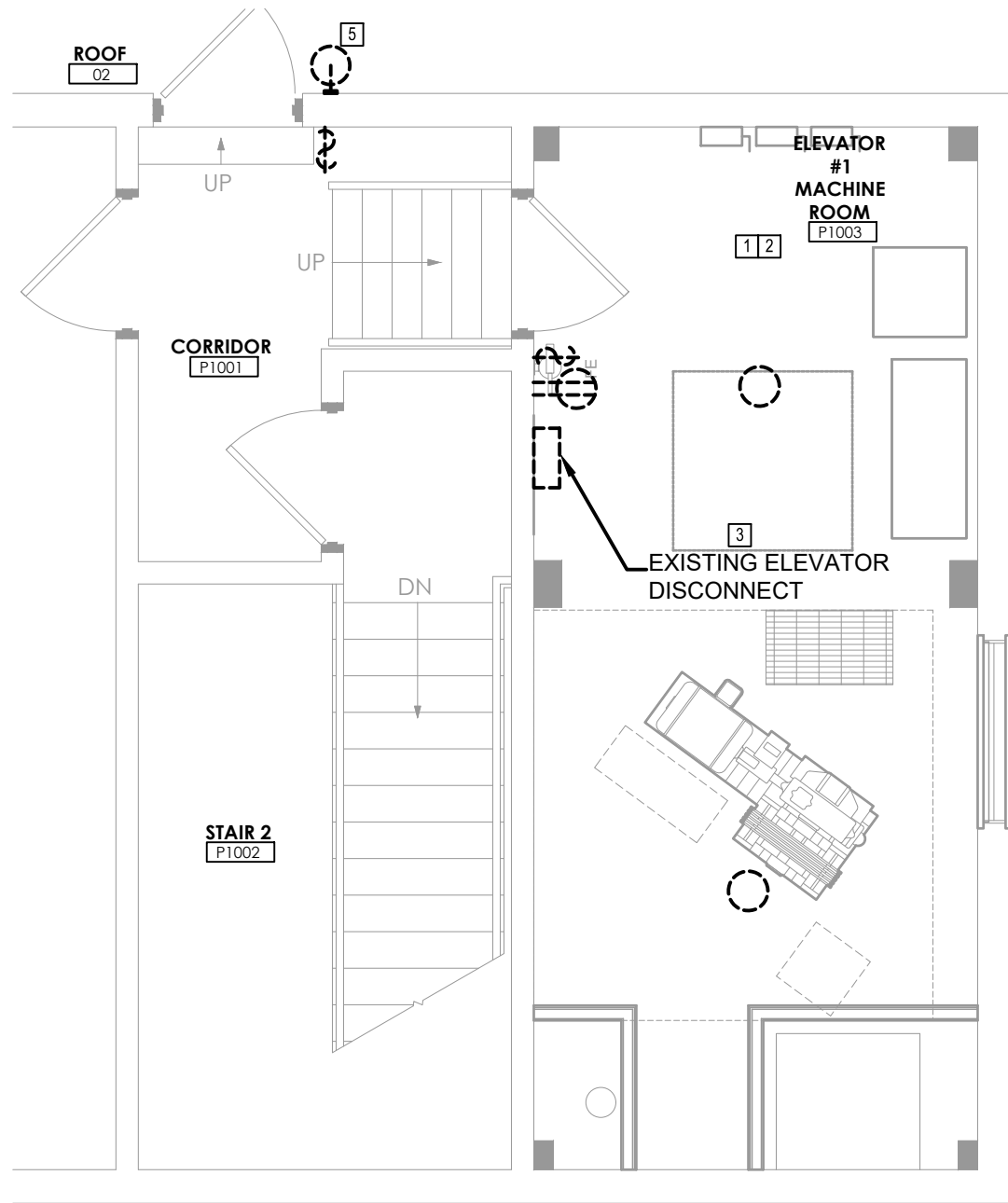
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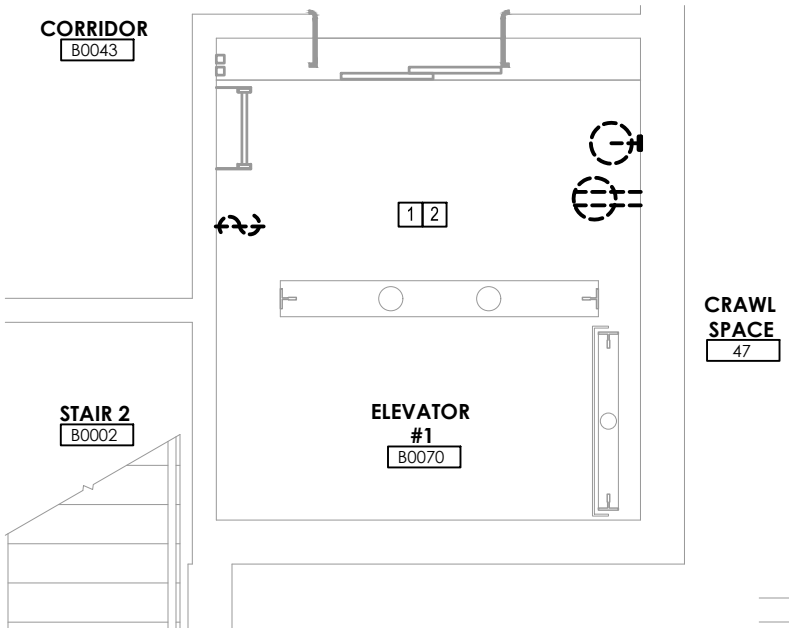
4 Enlarged Roof Plan  
1/4" = 1'-0"



3 Enlarged Basement Floor Plan  
1/4" = 1'-0"



2 Enlarged Roof Plan  
1/4" = 1'-0"



1 Enlarged Basement Floor Plan  
1/4" = 1'-0"

### GENERAL NOTES:

1. THIN LINE WEIGHTS INDICATE EXISTING. DASHED LINE TYPES INDICATE EQUIPMENT TO BE REMOVED.
2. ALL BRANCH CIRCUITS AND FEEDERS SHALL BE LOCKED OUT/TAGGED OUT BEFORE REMOVAL WORK BEGINS.
3. FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.

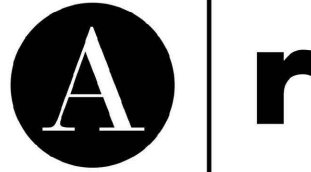
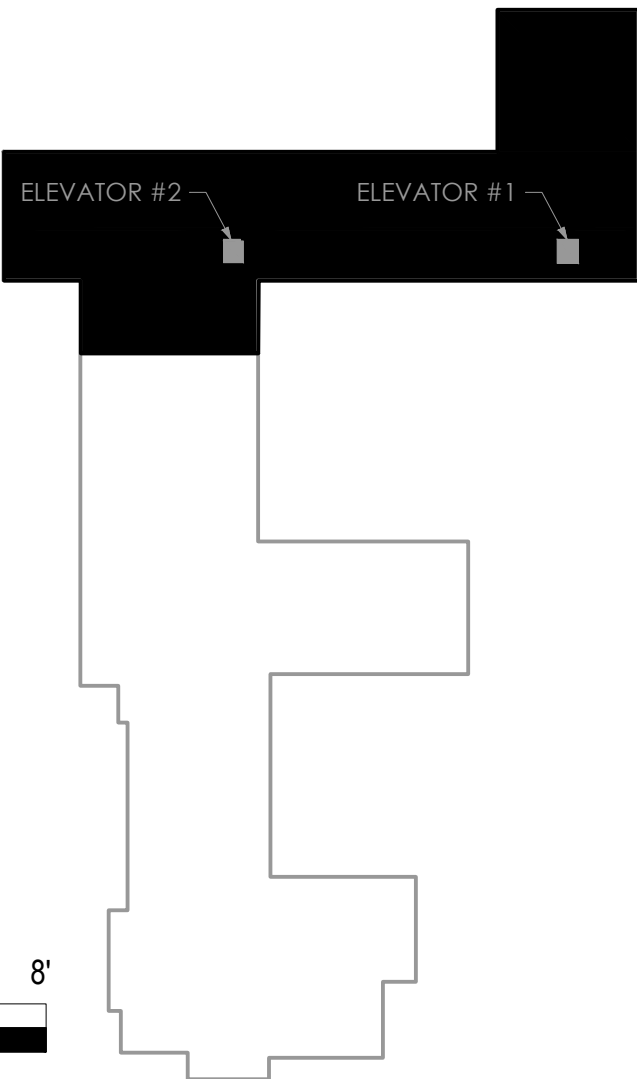
### KEYED NOTES: #

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED SWITCH BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY LOCATION OF ELECTRICAL PANEL.
2. DISCONNECT AND REMOVE EXISTING RECEPTACLE BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY LOCATION OF ELECTRICAL PANEL.
3. DISCONNECT AND REMOVE EXISTING DISCONNECT AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY LOCATION OF ELECTRICAL PANEL.
4. DISCONNECT POTS LINES DURING REMOVAL. PROTECT AND SAVE POTS LINES DURING CONSTRUCTION FOR REUSE.
5. DISCONNECT AND REMOVE EXISTING EXTERIOR LIGHT FIXTURE AND ASSOCIATED SWITCH. PROTECT AND SAVE EXISTING BRANCH CIRCUIT DURING CONSTRUCTION FOR REUSE.

0' 1' 2' 4' 8'

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

### Key Plan



### Architectural Resources

505 Franklin St  
Buffalo, New York 14202

303 West 13th Street  
New York, New York 10014

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### SIENNA ENVIRONMENTAL

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### SPRINGLINE DESIGN

73 TROY ROAD  
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### POPLI DESIGN GROUP

555 PENBROOKE DRIVE  
PENFIELD, NY 14526

PHONE: 585-388-2060

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SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

SEAL



### BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

MORRISON  
PARTIAL OVERALL  
REMOVAL FLOOR  
PLANS

A|r JOB NO.: 190.114

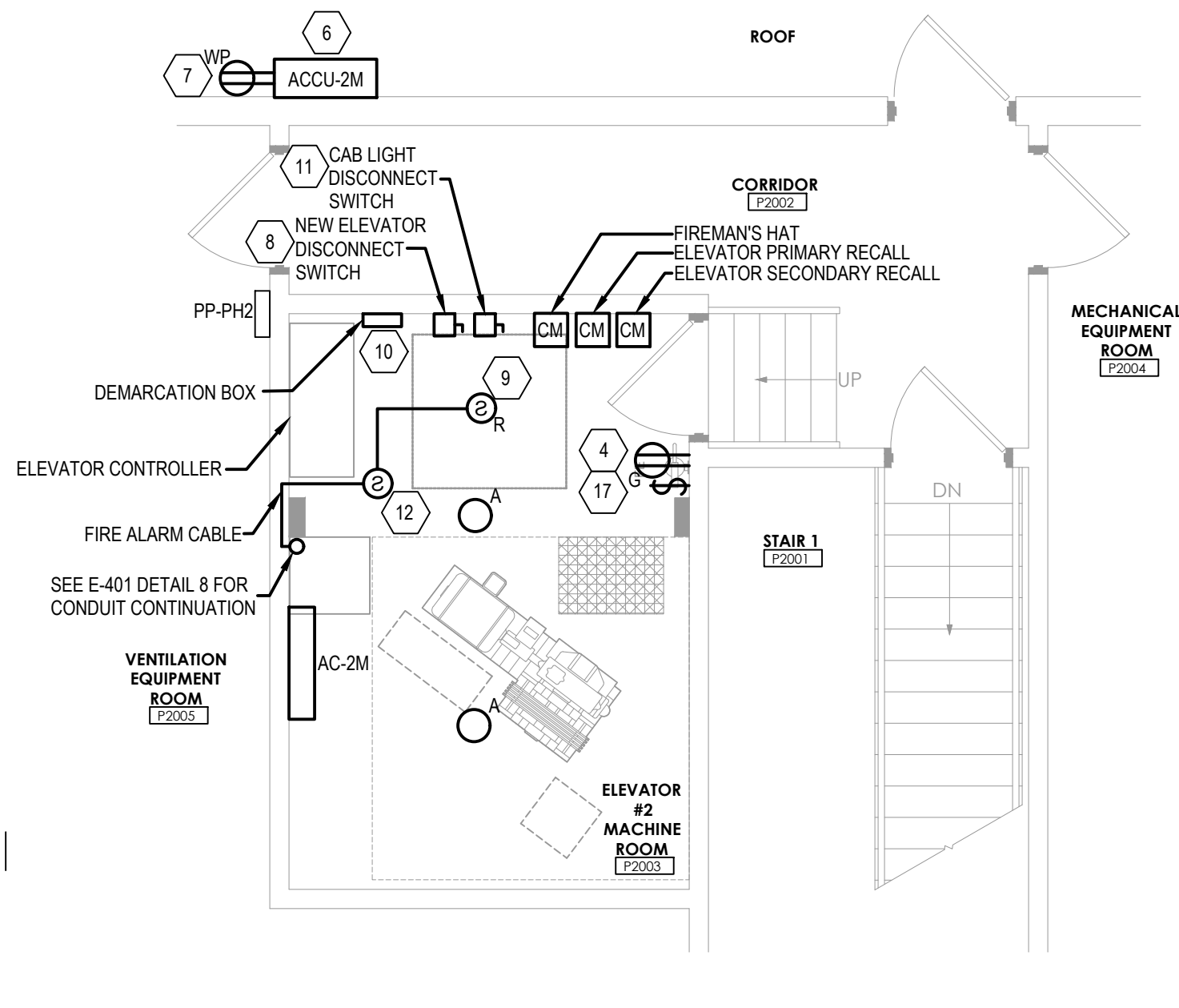
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DRAWN BY: JK

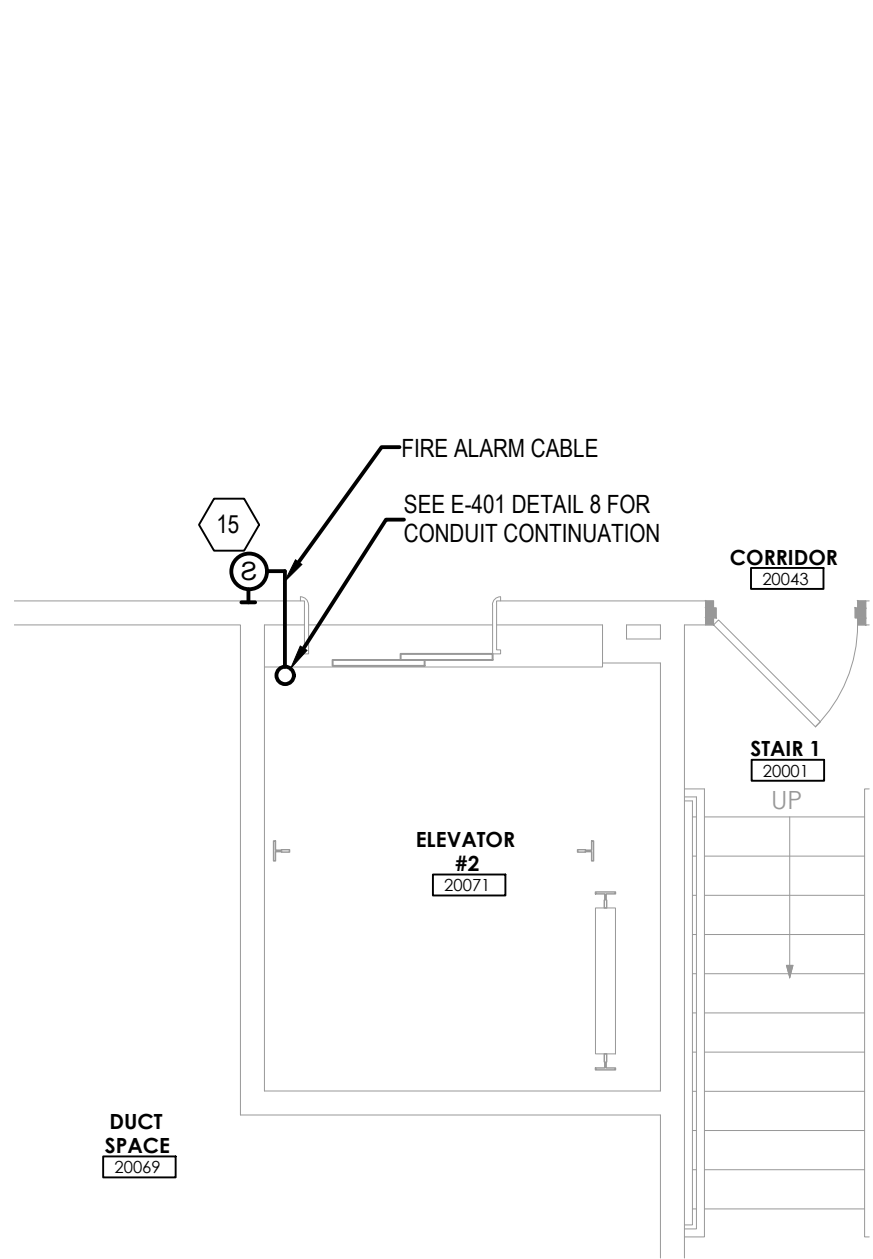
SHEET NO:

ED-401

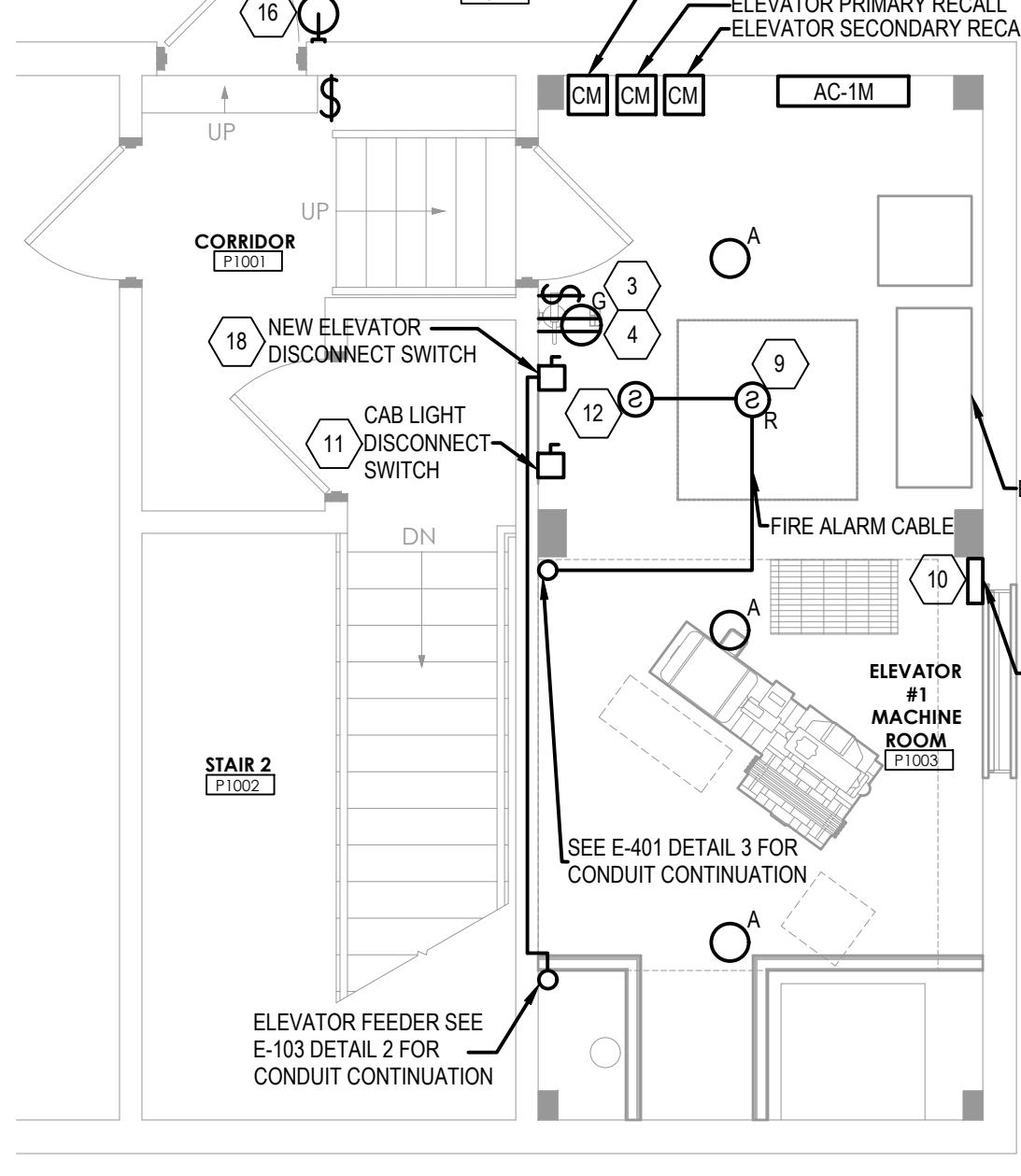
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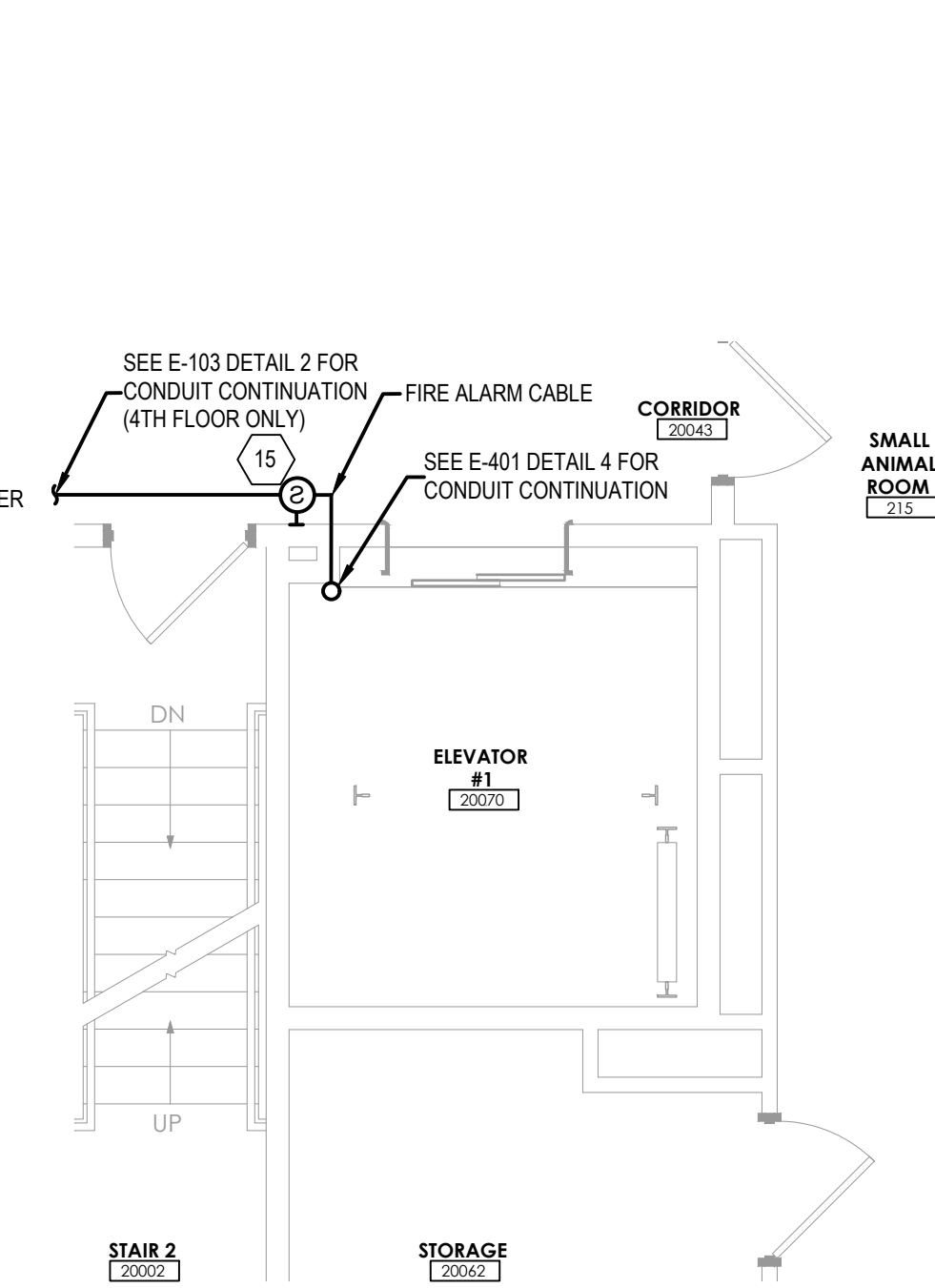
9 Enlarged Roof Plan  
1/4" = 1'-0"



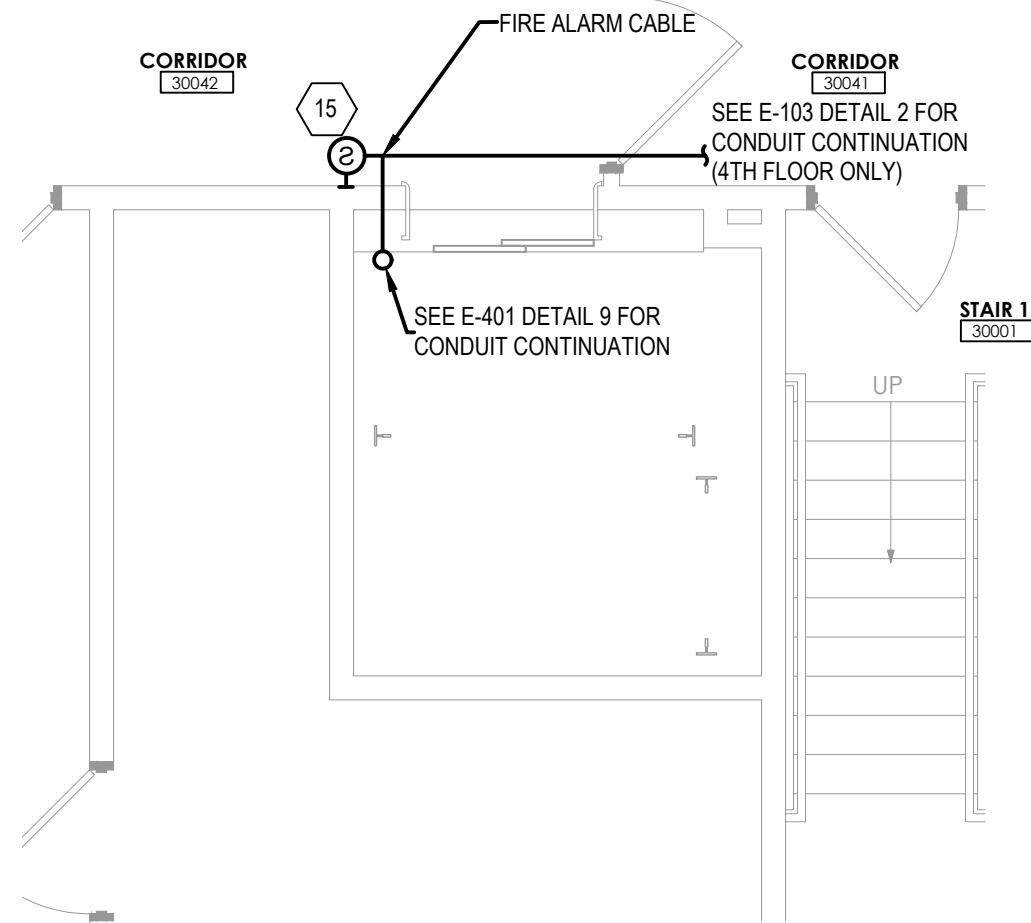
7 Enlarged Second Floor Plan  
1/4" = 1'-0"



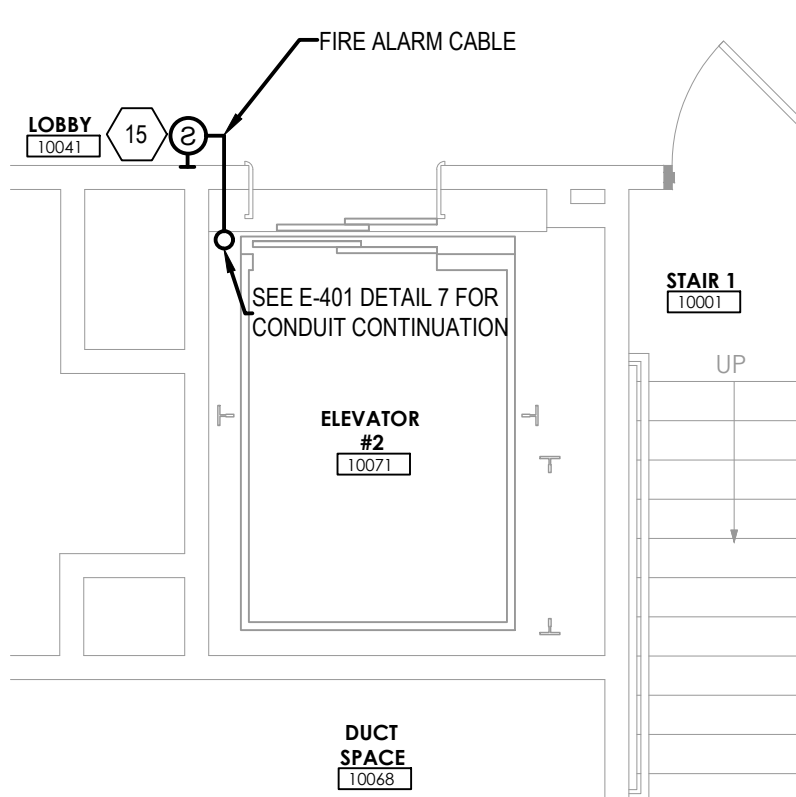
4 Enlarged Roof Plan  
1/4" = 1'-0"



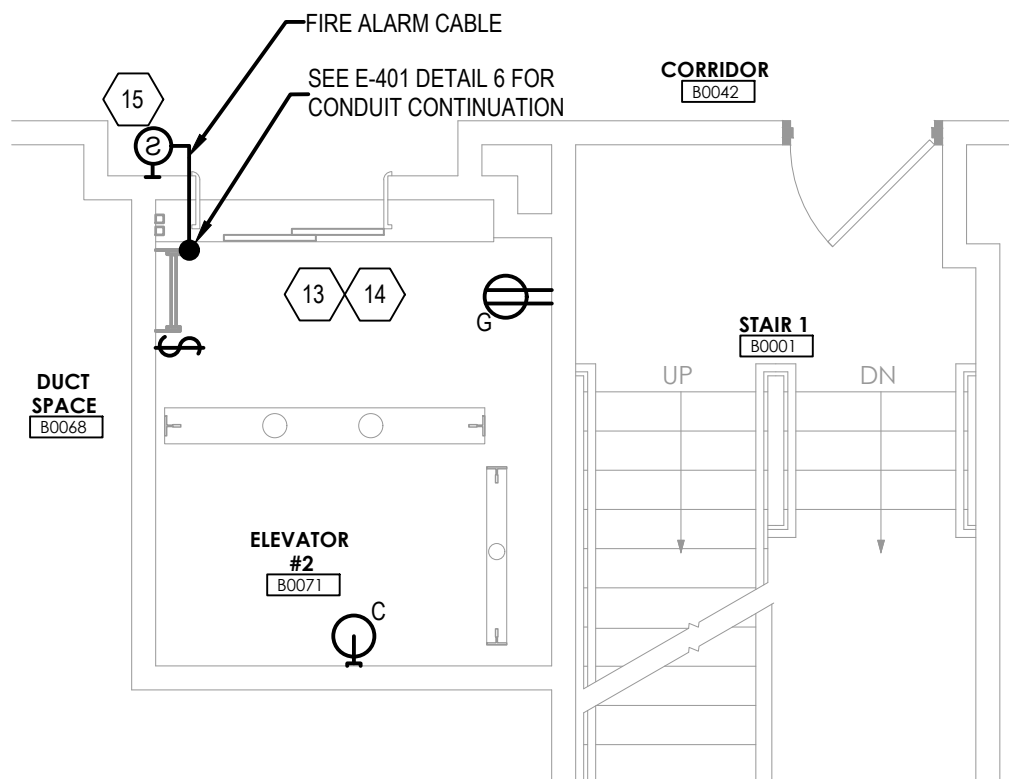
3 Enlarged Typical Floor Plan (2-4)  
1/4" = 1'-0"



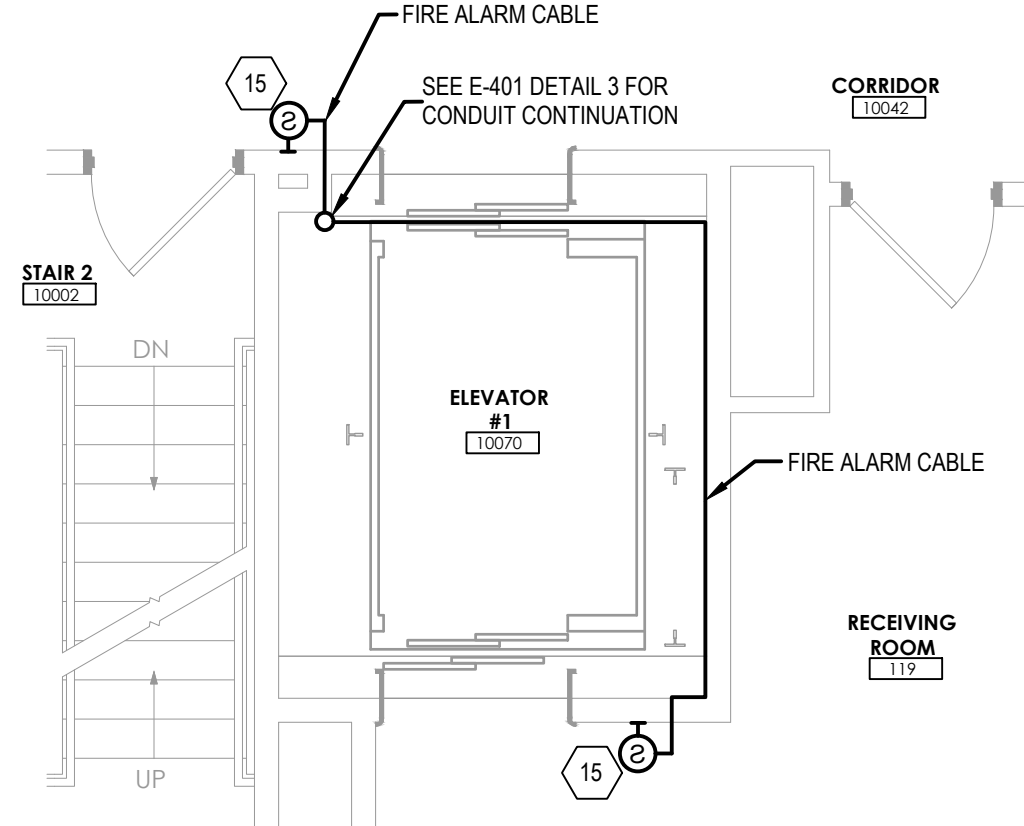
8 Enlarged Typical Floor Plan (3-4)  
1/4" = 1'-0"



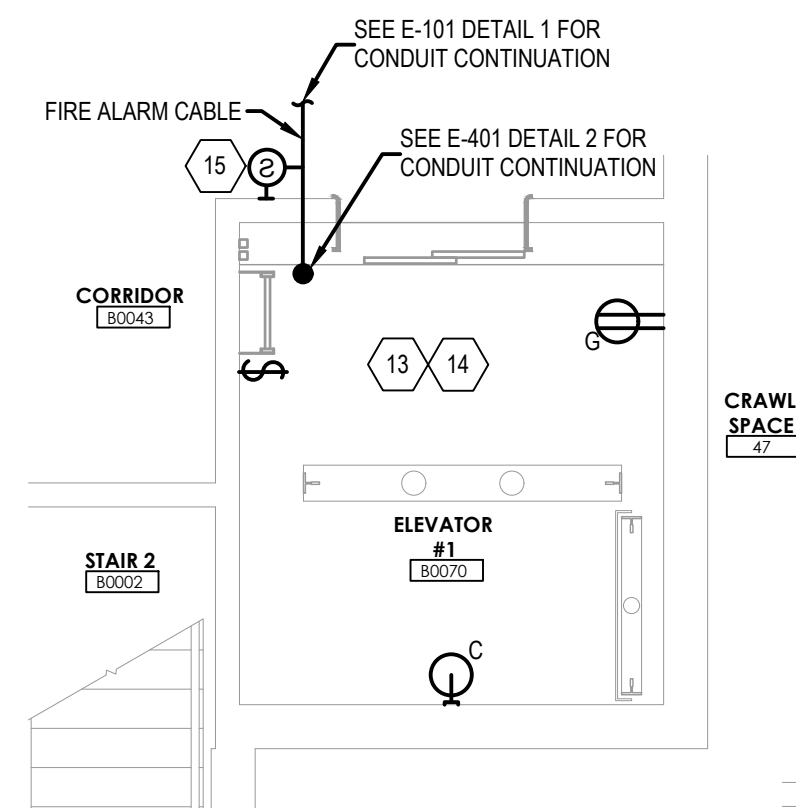
6 Enlarged First Floor Plan  
1/4" = 1'-0"



5 Enlarged Basement Floor Plan  
1/4" = 1'-0"



2 Enlarged First Floor Plan  
1/4" = 1'-0"



1 Enlarged Basement Floor Plan  
1/4" = 1'-0"

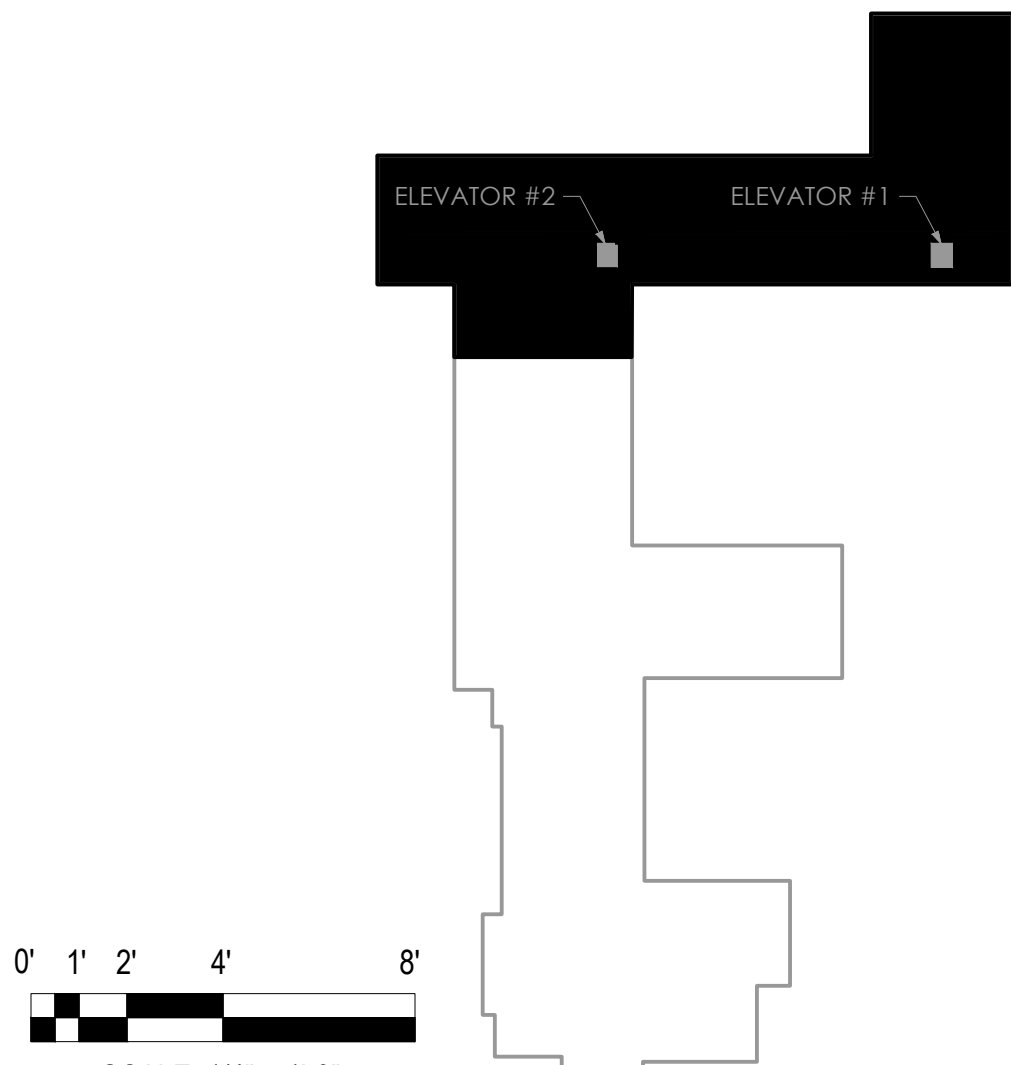
## GENERAL NOTES:

1. THIN LINE WEIGHTS INDICATE EXISTING. DASHED LINE TYPES INDICATE EQUIPMENT TO BE REMOVED.
2. LOCK-OUT/TAG-OUT EXISTING BRANCH CIRCUITS BEFORE BEGINNING REMOVALS.
3. SEE SHEET E-641 FOR ELECTRICAL SCHEDULES/DETAILS.
4. FIRE STOP ELECTRICAL PENETRATIONS THROUGH FIRE RATED WALLS AND OR FLOORS WITH MATERIAL EQUAL IN RATING TO THE CONSTRUCTION OF THE MATERIAL PENETRATED.

## KEYED NOTES:

1. PROVIDE CONDUIT AND WIRING FOR POWER CONNECTION TO NEW CONDENSING UNIT ACCU-1M. SEE SHEET E-641 FOR ELECTRICAL EQUIPMENT SCHEDULE.
2. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP4D SEC C LOCATED IN MECHANICAL ROOM 40062 TO NEW WEATHERPROOF SERVICE RECEPTACLE ON ACCU-1M.
3. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP4D SEC C LOCATED IN MECHANICAL ROOM 40062 TO NEW LIGHT FIXTURE AND ASSOCIATED SWITCH IN ELEVATOR#1 MACHINE ROOM P1003 .
4. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP4D SEC C LOCATED IN MECHANICAL ROOM 40062 TO NEW GFCI RECEPTACLE.
5. PROVIDE NEW SMOKE DETECTOR ASSOCIATED WITH ELEVATOR RECALL.
6. PROVIDE CONDUIT AND WIRING FOR POWER CONNECTION TO NEW CONDENSING UNIT ACCU-2M. SEE SHEET E-641 FOR ELECTRICAL EQUIPMENT SCHEDULE.
7. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP4D SEC C LOCATED IN MECHANICAL ROOM 40062 TO NEW WEATHERPROOF SERVICE RECEPTACLE ON ACCU-2M.
8. PROVIDE NEW 125A BREAKER IN EXISTING PANEL PP-PH2 LOCATED IN VENTILATION EQUIPMENT ROOM P2005 AND (3)#1 & (1)#6G IN 1 1/2" CONDUIT FOR POWER CONNECTION TO NEW ELEVATOR DISCONNECT SWITCH.
9. PROVIDE NEW ROOF HATCH SMOKE DETECTOR.
10. RECONNECT EXISTING POT LINES SAVED DURING CONSTRUCTION TO ELEVATOR CONTROLLER THROUGH A NEW 12X12X4 DEMARCATION BOX.
11. PROVIDE CONDUIT AND WIRING FOR POWER CONNECTION FROM EXISTING PANEL LP4D SEC C LOCATED IN MECHANICAL ROOM 40062 TO NEW CAB LIGHT DISCONNECT SWITCH.
12. PROVIDE NEW SMOKE DETECTOR.
13. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LELP-B LOCATED IN CORRIDOR B0043 TO NEW LIGHT FIXTURE AND ASSOCIATED SWITCH.
14. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LELP-B LOCATED IN CORRIDOR B0043 TO NEW GFCI RECEPTACLE.
15. PROVIDE WALL MOUNTED SMOKE DETECTOR ASSOCIATED WITH ELEVATOR RECALL.
16. REUSE EXISTING BRANCH CIRCUIT SAVED DURING CONSTRUCTION FOR POWER CONNECTION TO NEW EXTERIOR LIGHT FIXTURE AND ASSOCIATED SWITCH ON ROOF 02. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING ELECTRICAL PANEL.
17. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP4D SEC C LOCATED IN MECHANICAL ROOM 40062 TO NEW LIGHT FIXTURE AND ASSOCIATED SWITCH IN ELEVATOR#2 MACHINE ROOM P2003.
18. PROVIDE NEW 125A BREAKER IN EXISTING PANEL PP-4A LOCATED ON THE FOURTH FLOOR AND (3)#1 & (1)#6G IN 1 1/2" CONDUIT FOR POWER CONNECTION TO NEW ELEVATOR DISCONNECT SWITCH.

## Key Plan



## Architectural Resources

505 Franklin St  
Buffalo, New York 14202  
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FAX: 716-332-3134

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FAX: 518-670-0122

POPLI DESIGN GROUP  
555 PENBROOKE DRIVE  
PENFIELD, NY 14526

PHONE: 585-388-2060  
FAX: 585-388-2070

SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL  
CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

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## BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

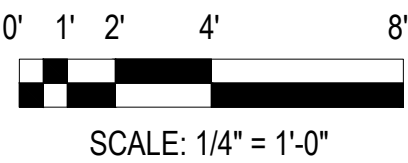
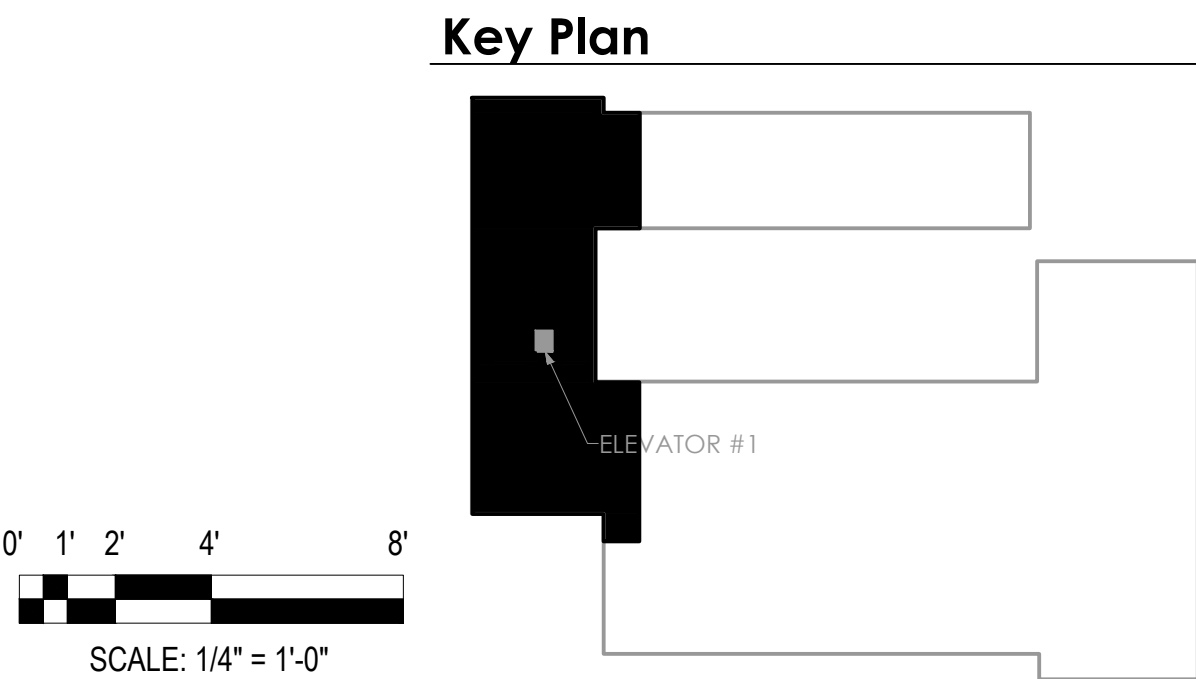
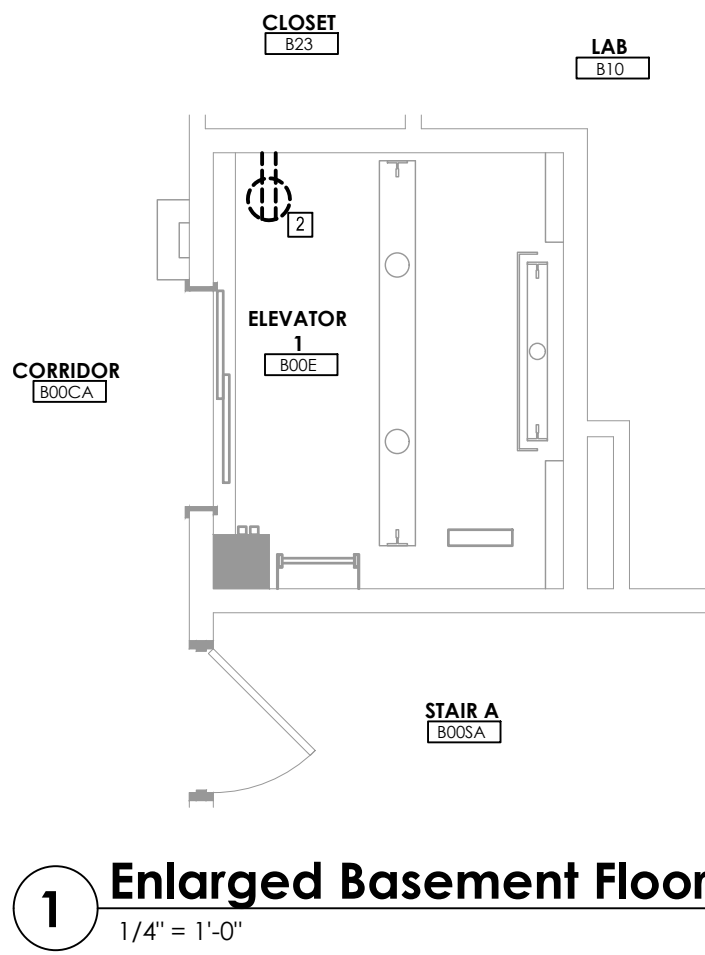
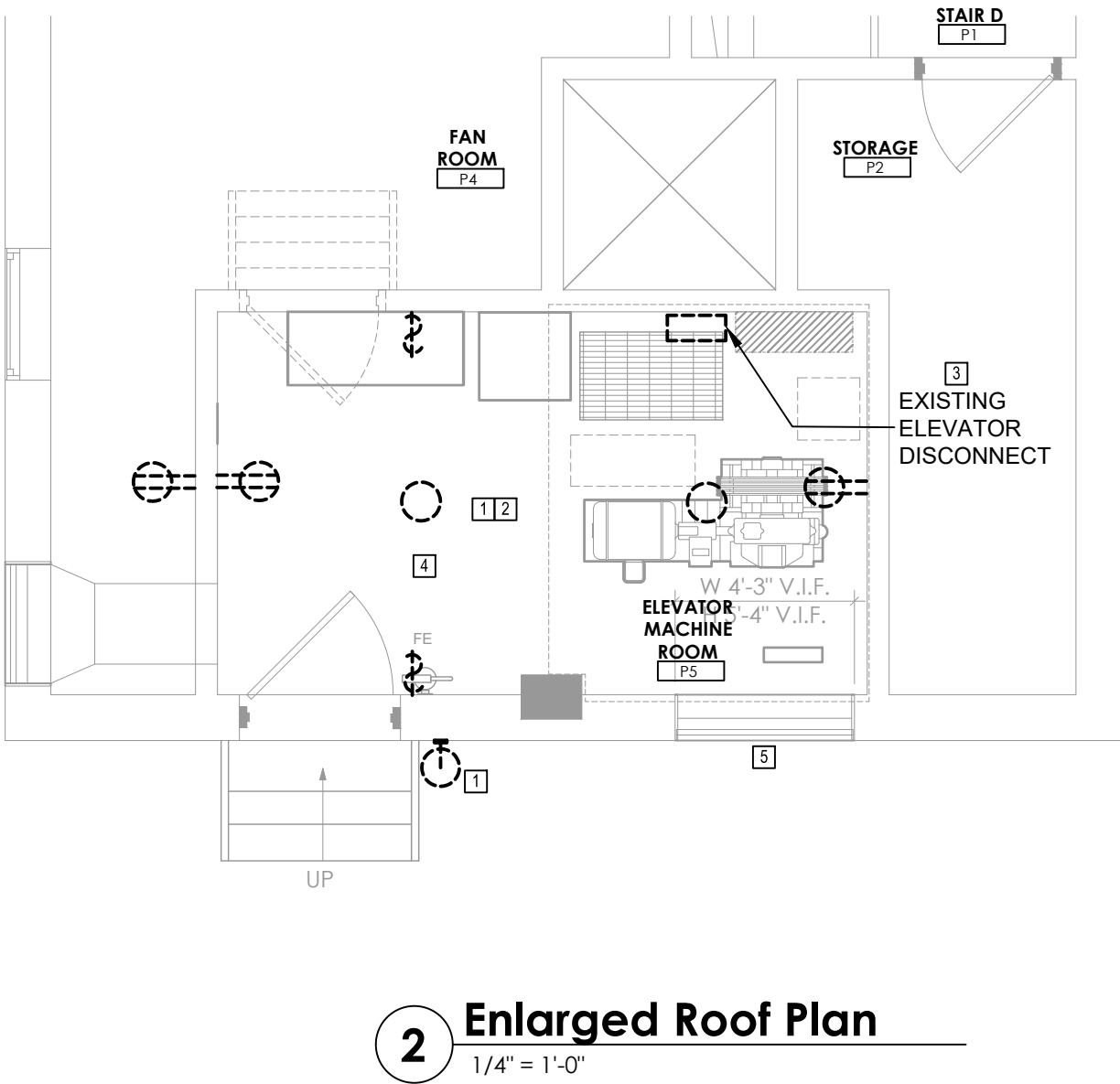
MORRISON  
PARTIAL OVERALL  
FLOOR PLANS

A/r JOB NO.: 190.114  
CLIENT NO.: 161042  
DRAWN BY: JK  
SHEET NO:

E-401



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### KEYED NOTES: #

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE AND ASSOCIATED SWITCH BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY LOCATION OF ELECTRICAL PANEL.
2. DISCONNECT AND REMOVE EXISTING RECEPTACLE BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY LOCATION OF ELECTRICAL PANEL.
3. DISCONNECT AND REMOVE EXISTING DISCONNECT AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY LOCATION OF ELECTRICAL PANEL.
4. DISCONNECT POTS LINES DURING REMOVAL. PROTECT AND SAVE POTS LINES DURING CONSTRUCTION FOR REUSE.
5. DISCONNECT AND REMOVE POWER TO THE EXISTING DAMPER ACTUATOR BACK TO SOURCE. CONTRACTOR TO FIELD VERIFY LOCATION OF ELECTRICAL PANEL.

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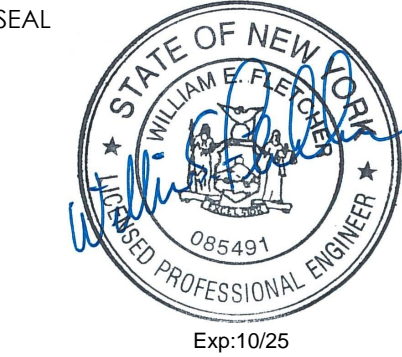
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303 West 13th Street  
New York, New York 10014  
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555 PENBROOKE DRIVE  
PENFIELD, NY 14526  
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**SUCF NO. 161042 - REPLACE ELEVATORS  
MORRISON HALL AND RILEY-ROBB HALL**  
CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853



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10/27/2023

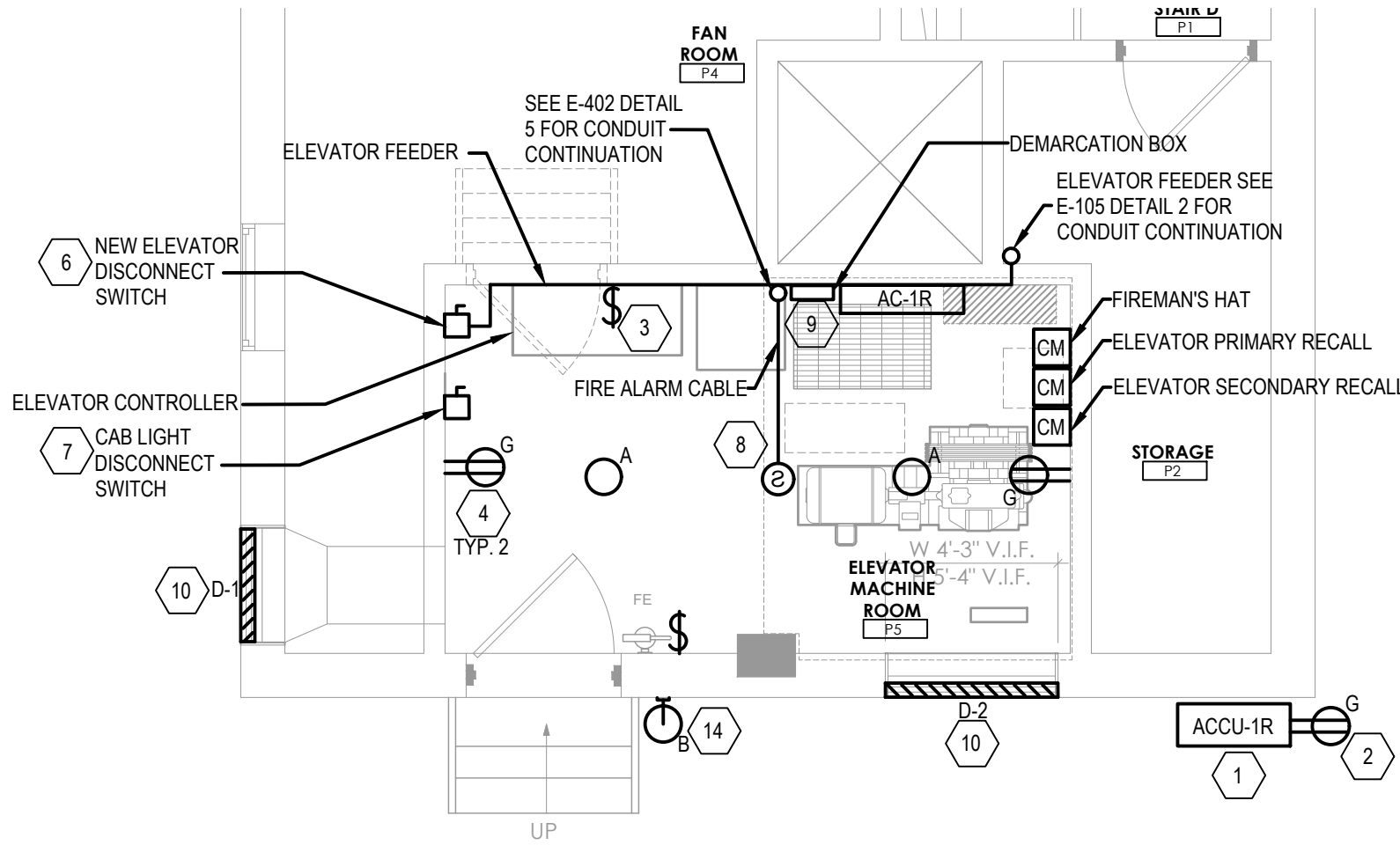
REVISIONS		
NO.	DESCRIPTION	DATE

RILEY ROBB  
PARTIAL OVERALL  
REMOVAL FLOOR  
PLANS

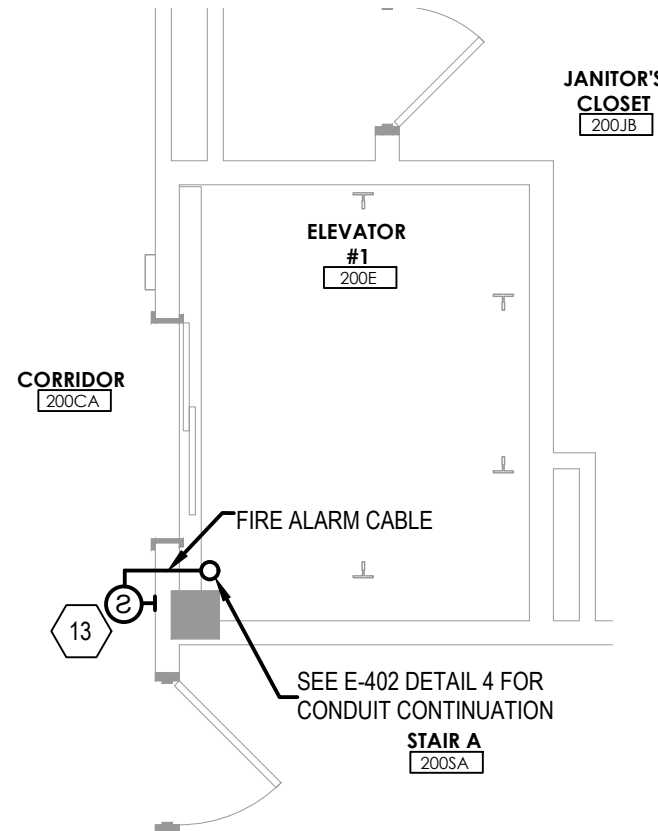
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CLIENT NO: 161042  
DRAWN BY: JK  
SHEET NO:

**ED-402**

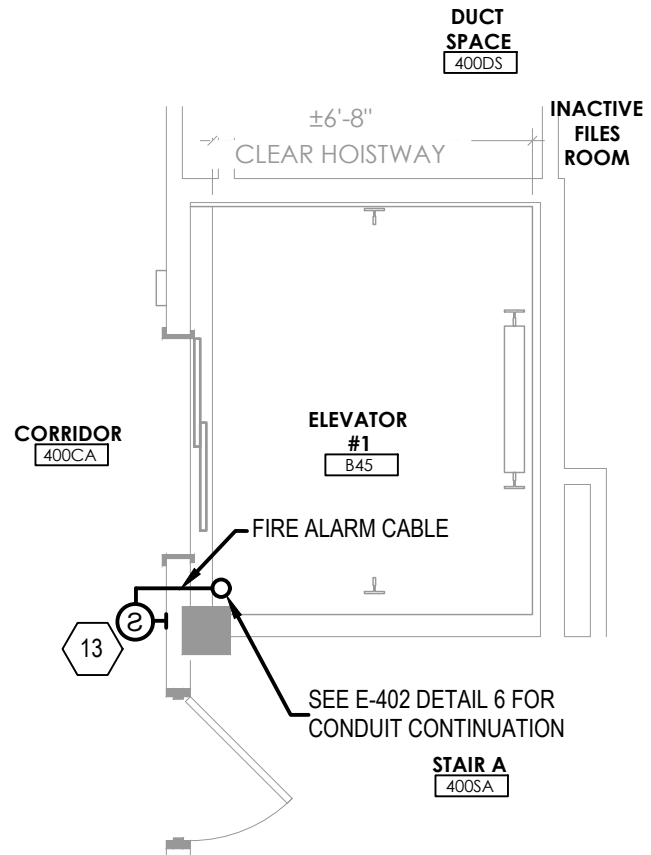
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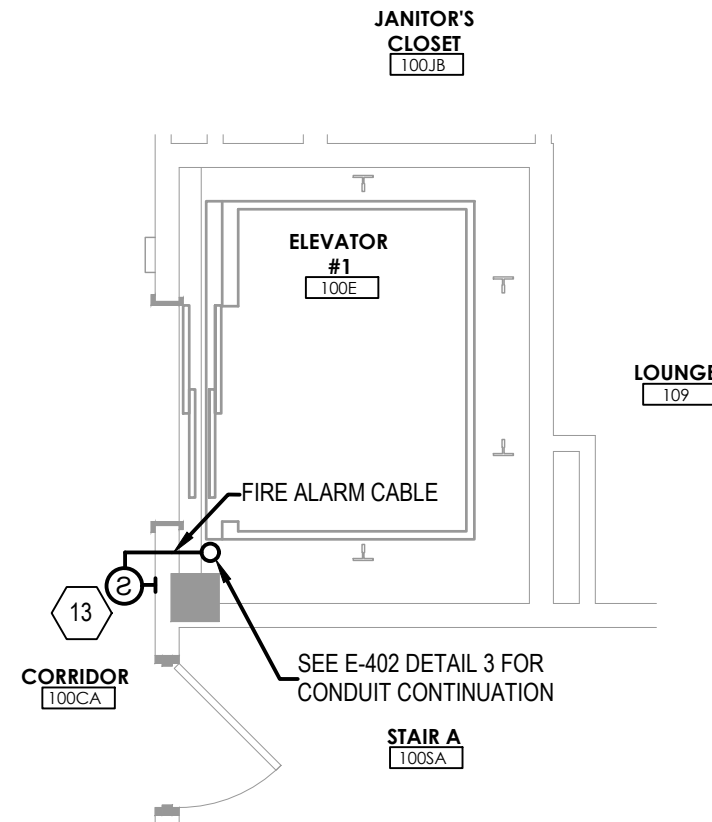
6 Enlarged Roof Plan  
1/4" = 1'-0"



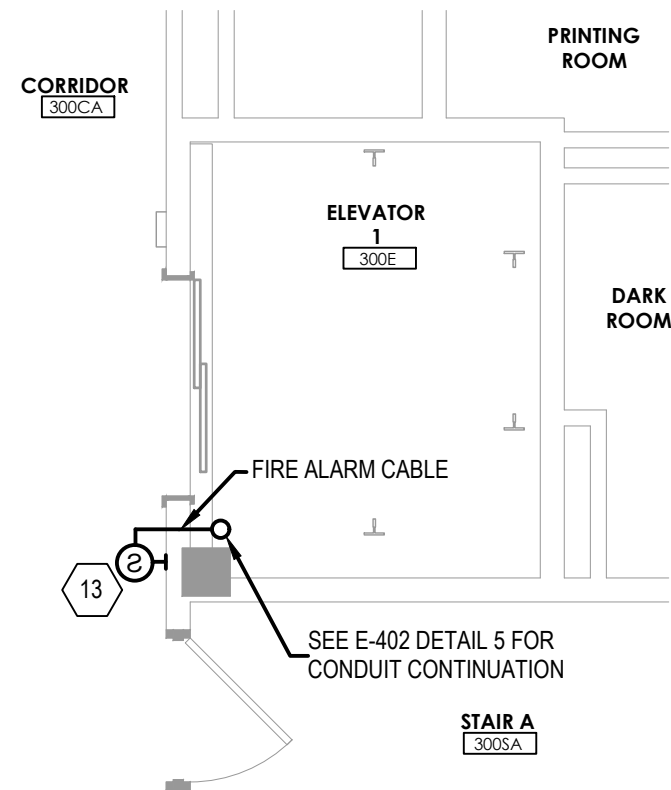
3 Enlarged Second Floor Plan  
1/4" = 1'-0"



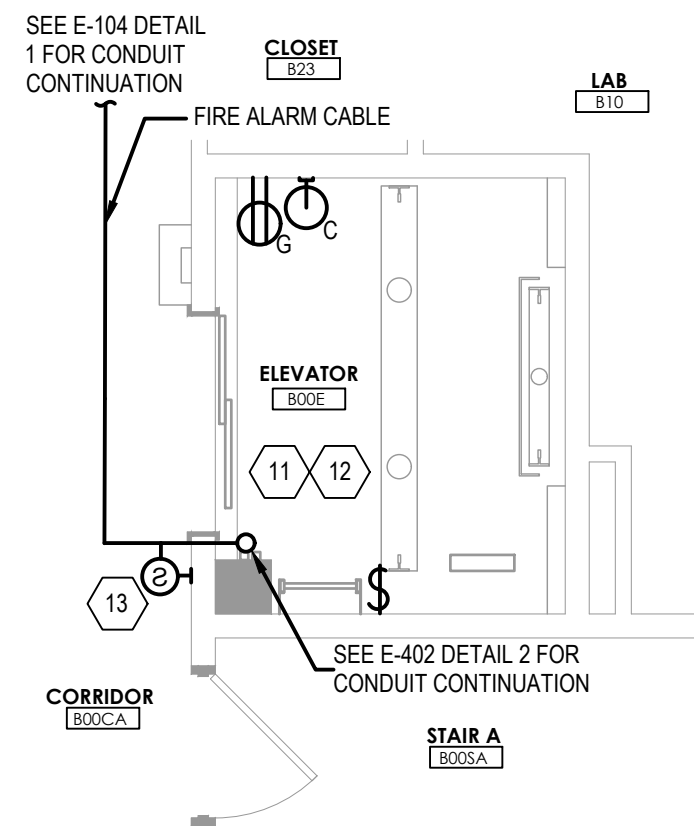
5 Enlarged Fourth Floor Plan  
1/4" = 1'-0"



2 Enlarged First Floor Plan  
1/4" = 1'-0"



4 Enlarged Third Floor Plan  
1/4" = 1'-0"



1 Enlarged Basement Floor Plan  
1/4" = 1'-0"

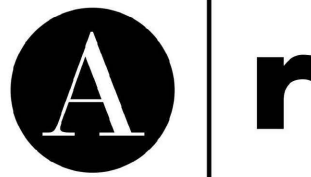
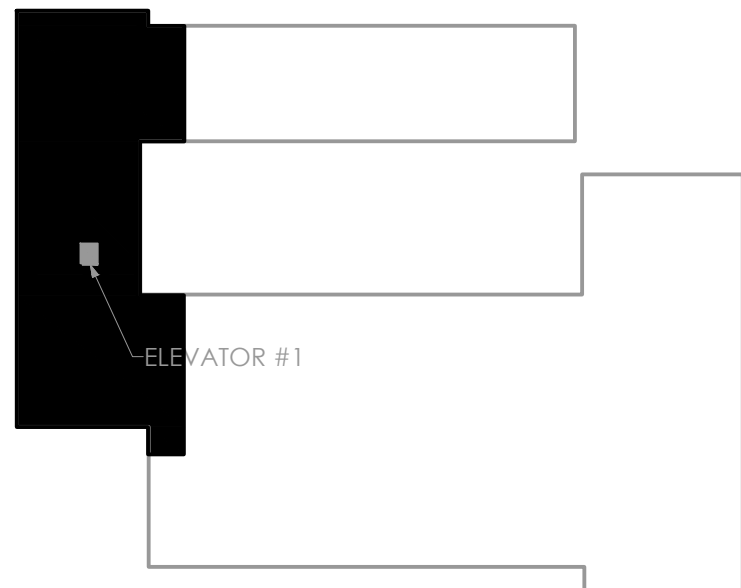
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#### KEYED NOTES: (X)

1. PROVIDE CONDUIT AND WIRING FOR POWER CONNECTION TO NEW CONDENSING UNIT ACCU-1R. SEE SHEET E-641 FOR ELECTRICAL EQUIPMENT SCHEDULE.
2. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP-28 LOCATED IN STAIR D ROOM P1 TO NEW WEATHERPROOF SERVICE RECEPTACLE ON ACCU-1R.
3. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP-29 LOCATED IN STAIR D ROOM P1 TO NEW LIGHT FIXTURE AND ASSOCIATED SWITCH IN ELEVATOR MACHINE ROOM P3.
4. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP-29 LOCATED IN STAIR D ROOM P1 TO NEW GFCI RECEPTACLE.
5. PROVIDE NEW SMOKE DETECTOR ASSOCIATED WITH ELEVATOR RECALL.
6. REUSE EXISTING 125A BREAKER IN EXISTING PANEL SDP-2 LOCATED IN ELECTRIC ROOM B00UD. PROVIDE (3)#1 & (1)#6G IN 1 1/2" CONDUIT FOR POWER CONNECTION TO NEW ELEVATOR DISCONNECT SWITCH.
7. PROVIDE CONDUIT AND WIRING FOR POWER CONNECTION TO NEW CAB LIGHT DISCONNECT SWITCH.
8. PROVIDE NEW SMOKE DETECTOR.
9. RECONNECT EXISTING POT LINES SAVED DURING CONSTRUCTION TO ELEVATOR CONTROLLER THROUGH A NEW 12X12X4 DEMARCATION BOX.
10. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP-29 TO NEW FIRE/SMOKE DAMPER. FIRE/SMOKE DAMPER WILL OPEN UPON ACTIVATION OF THE SMOKE DETECTOR IN THE ELEVATOR MACHINE ROOM P5.
11. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP-2 IN ELECTRICAL CLOSET B00UF TO NEW LIGHT FIXTURE AND ASSOCIATED SWITCH.
12. PROVIDE (2)#12 & (1)#12G IN 3/4" CONDUIT FOR POWER CONNECTION FROM EXISTING PANEL LP-2 IN ELECTRICAL CLOSET B00UF TO NEW GFCI RECEPTACLE.
13. PROVIDE WALL MOUNTED SMOKE DETECTOR ASSOCIATED WITH ELEVATOR RECALL.
14. REUSE EXISTING BRANCH CIRCUIT SAVED DURING CONSTRUCTION FOR POWER CONNECTION TO NEW EXTERIOR LIGHT FIXTURE AND ASSOCIATED SWITCH. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING ELECTRICAL PANEL.

#### Key Plan



#### Architectural Resources

505 Franklin St  
Buffalo, New York 14202  
303 West 13th Street  
New York, New York 10014  
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#### SIENNA ENVIRONMENTAL

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BUFFALO, NY 14222

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#### SPRINGLINE DESIGN

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CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853

SEAL



#### BID DOCUMENTS

10/27/2023

REVISIONS		
NO.	DESCRIPTION	DATE

RILEY ROBB  
PARTIAL OVERALL  
FLOOR PLANS

A/r JOB NO.: 190.114

CLIENT NO.: 161042

DRAWN BY: JK

SHEET NO:

E-402



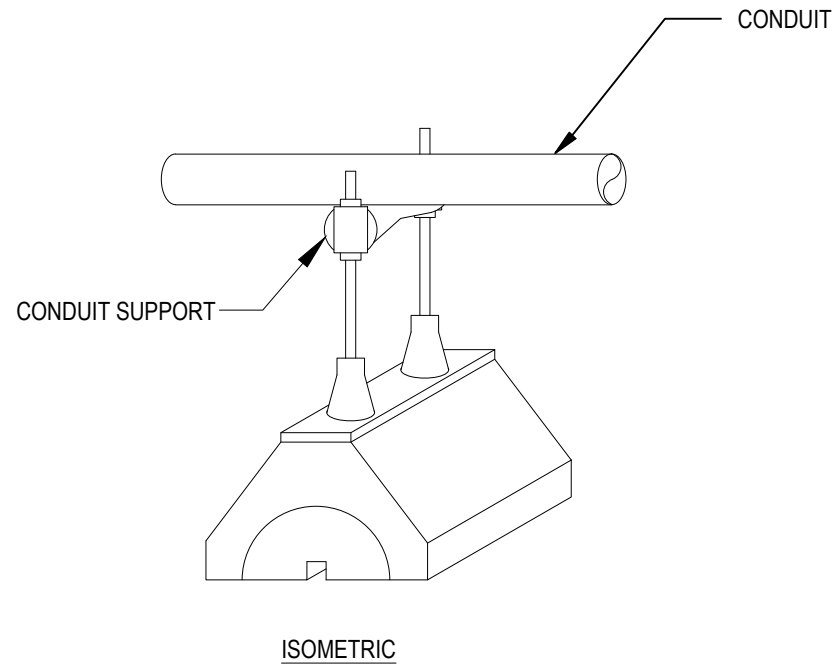
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ELECTRICAL EQUIPMENT SCHEDULE																
TAG	EQUIPMENT DESCRIPTION	LOCATION	VOLTS	PHASE	HP.	KW	FLA(MCA)	SOURCE PANEL	CB(AT)	CONDUIT & CONDUCTORS	CONTROLLER/LOCAL DEVICE					NOTES.
											TYPE	ENCL.	FRAME (AF)	OCP (AT)	POLES	
AC-1M, ACCU-1M	SPLIT SYSTEM COOLING	MORRISON HALL ELEVATOR MACHINE#1	208	1	-	-	23	LP4D SEC C	35	(2)#8 & (1)#10G IN 1" C	-	-	-	-	-	-
AC-2M, ACCU-2M	SPLIT SYSTEM COOLING	MORRISON HALL ELEVATOR MACHINE#1	208	1	-	-	23	LP4D SEC C	35	(2)#8 & (1)#10G IN 1" C	-	-	-	-	-	-
AC-1R, ACCU-1R	SPLIT SYSTEM COOLING	RILEY ROBB HALL ELEVATOR MACHINE#1	208	1	-	-	23	SDP-2	35	(2)#8 & (1)#10G IN 1" C	-	-	-	-	-	-
D-1	DAMPER	ELEVATOR MACHINE ROOM P5	120	1	-	-	-	LP-29	20	(2)#12 & (1)#12G IN 3/4" C	-	-	-	-	-	-
D-2	DAMPER	ELEVATOR MACHINE ROOM P5	120	1	-	-	-	LP-29	20	(2)#12 & (1)#12G IN 3/4" C	-	-	-	-	-	-

LUMINAIRE SCHEDULE										
SYMBOL LEGEND	TYPE	DESCRIPTION	MOUNTING	DELIVERED LUMENS	INPUT WATTAGE	COLOR TEMPERATURE	CRI	VOLTAGE	BASIS OF DESIGN.	NOTES
	A	11" ROUND LED HIGH ABUSE POLYCARBONATE LENS, OPAL SHALLOW CASTING IN DIE-CAST ALUMINUM.	CEILING	1695	25	3500K	<80	120-277	COOPER LIGHTING: TR011-LD4-25-35-OPL-WH-UNV-EDC1	
	B	VAPOR TIGHT LED	WALL MOUNTED	600	15	4000K	<80	120-277	LITHONIA LIGHTING: OLVTWM 400L MVVOLT GREY	
	C	ALL PRO LED VAPOR TIGHT FLOODLIGHT WITH DURABLE DIE-CAST ALUMINUM HOUSING.	WALL MOUNTED	1450	17.7	3500K	80	120-277	COOPER LIGHTING: VT1730	

## LIGHTING POWER ALLOWANCES & STATISTICS

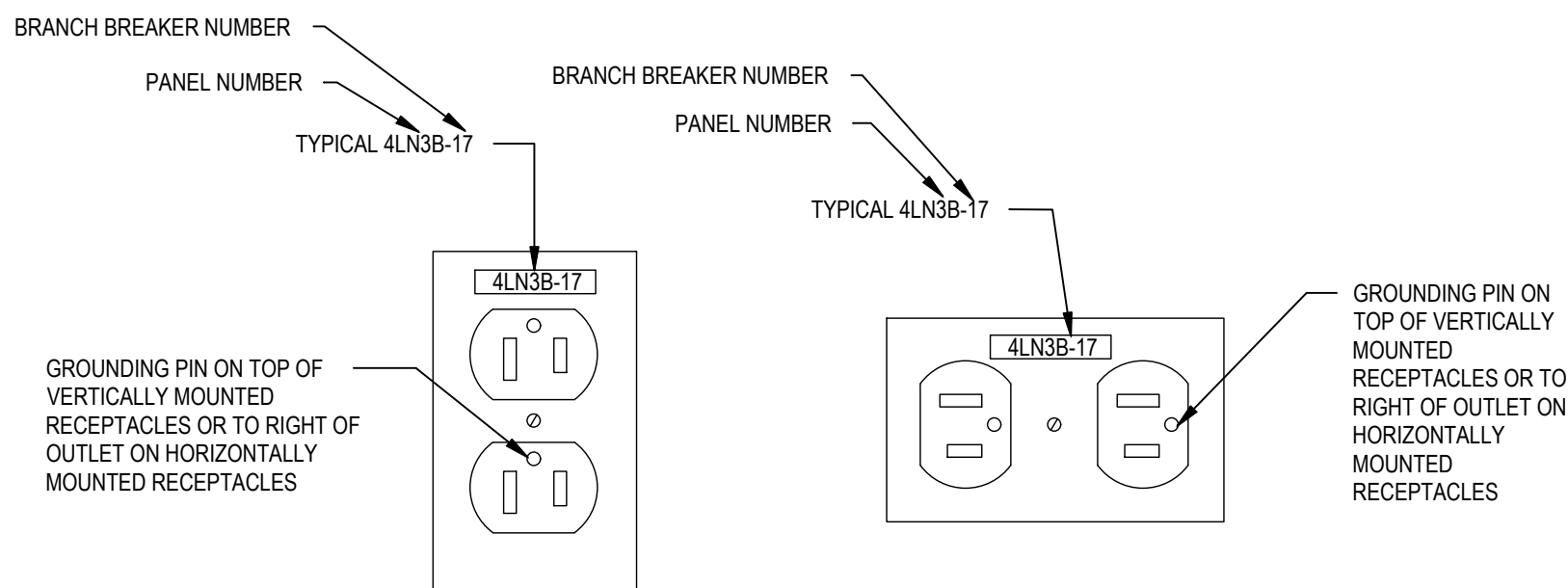
ROOM TYPE / NAME	RECOMMENDED AVERAGE FOOTCANDLES (FC) PER IES	AVERAGE FOOTCANDLES (FC)	TOTAL WATTS (W)	TOTAL ROOM / SPACE (FT^2)	LPD (W / FT^2)	MAXIMUM LPD (W / FT^2)
ELEVATOR #1 MACHINE ROOM P1003	10 AVG	12 AVG	25	204	0.37	0.52
ELEVATOR #2 MACHINE ROOM P2003	10 AVG	11 AVG	25	158	0.47	0.52
ELEVATOR MACHINE ROOM P5	10 AVG	13 AVG	25	129	0.38	0.52
TOTALS	-	-	75	491	-	1.56



### GENERAL NOTES:

- REFER TO SPECIFICATION 260529 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS PART 2.3 FOR THE TYPE OF ROOFTOP SUPPORTS.

### 3 ROOF STANDOFF DETAIL



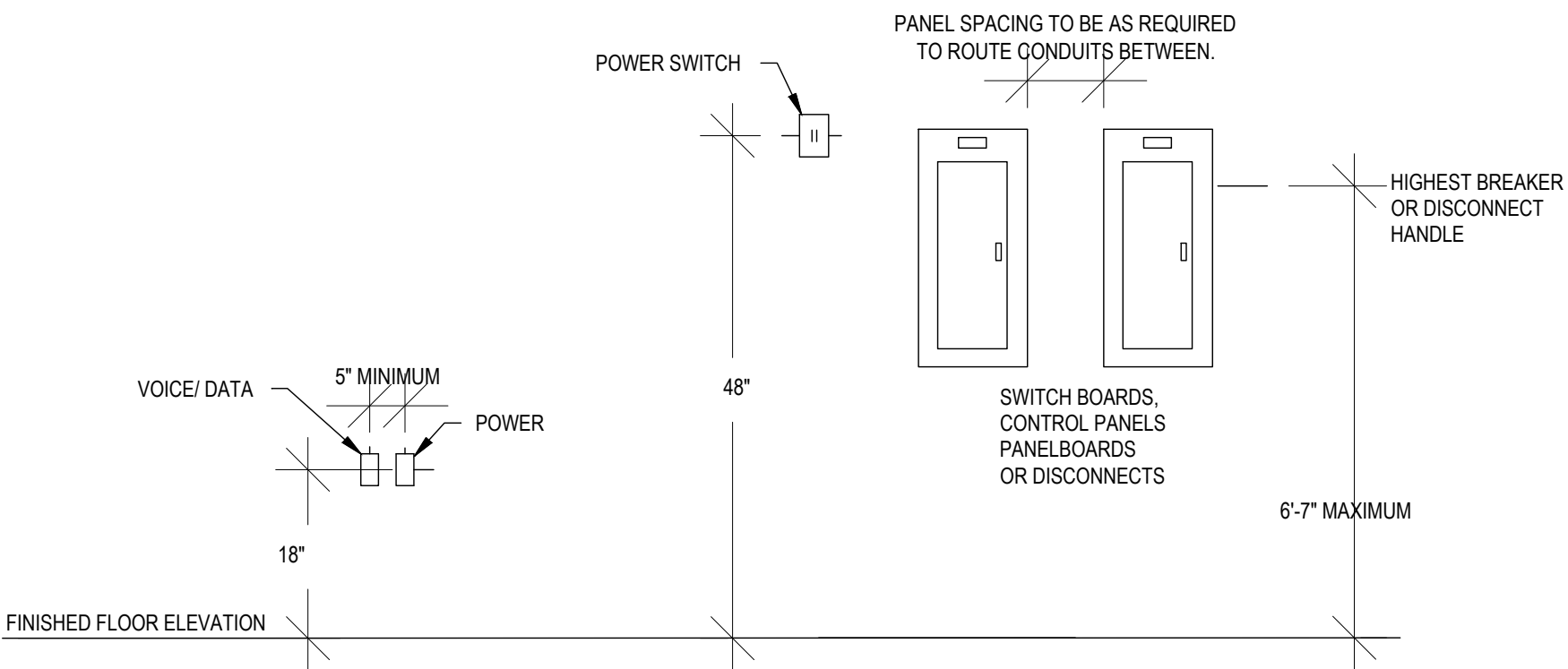
### GENERAL NOTES:

- PROVIDE GREEN GROUND WIRE IN ALL RECEPTACLE CIRCUITS.
- DO NOT INSTALL RECEPTACLES, COMPUTER OR TELEPHONE OUTLETS BACK TO BACK IN WALL CAVITY. INSTALL IN ADJACENT STUD CAVITIES, TO REDUCE SOUND TRANSMISSION.

### 2 RECEPTACLE DETAIL

CEILING LINE ABOVE DEVICE

CEILING LINE ABOVE DEVICE



### GENERAL NOTES:

- CONTRACTOR TO VERIFY WITH ARCHITECTS AND OWNER ALL FINAL MOUNTING HEIGHTS FOR DEVICES AND EQUIPMENT.

### 1 MOUNTING HEIGHT DETAIL

### FIRE ALARM RISER LINE TYPES

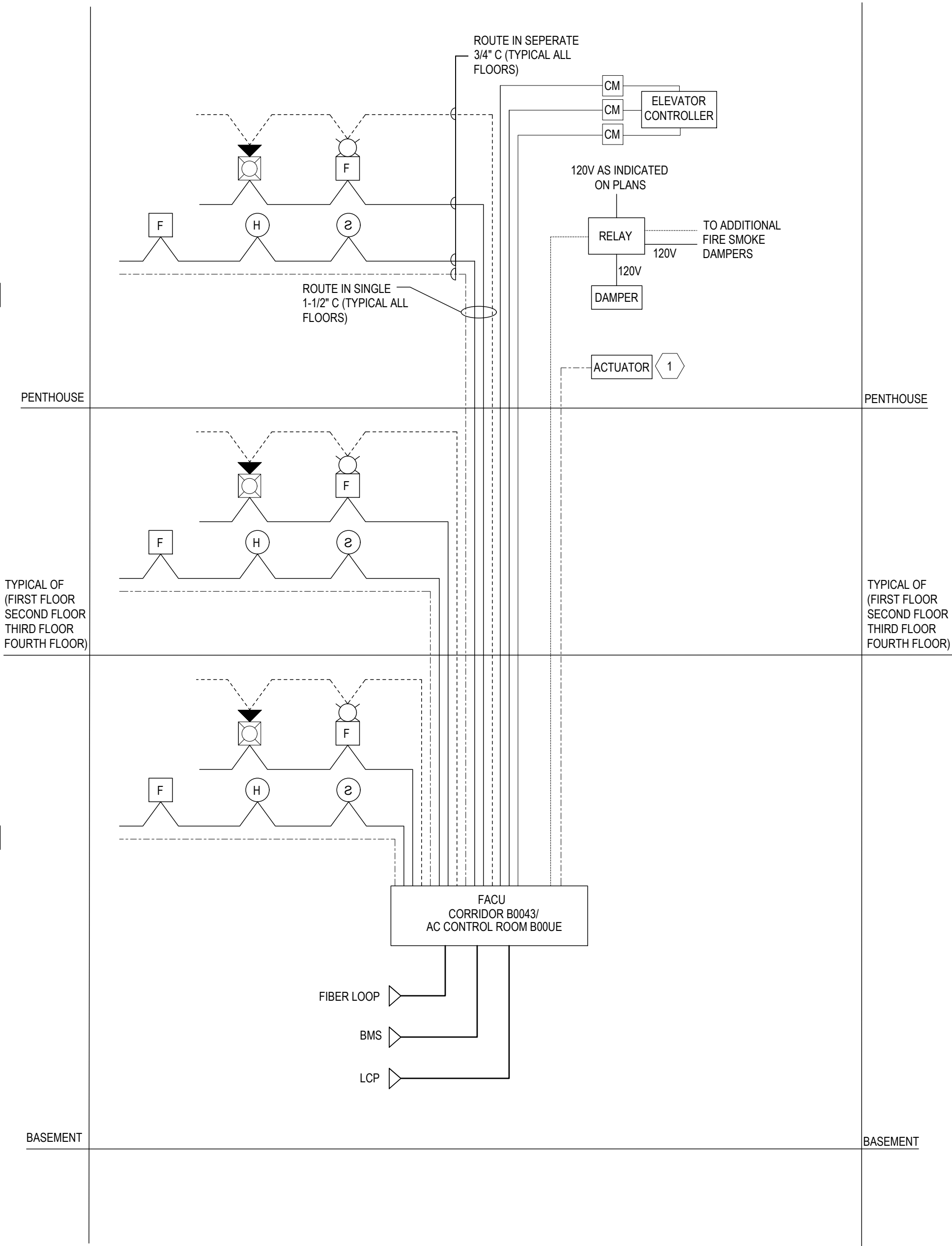
NOTIFICATION CIRCUIT	_____
INITIATION CIRCUIT	_____
SPEAKER CIRCUIT	-----
AUDIO CIRCUIT	_____
24VDC CIRCUIT	-----
COMMUNICATION CIRCUIT	-----

### GENERAL NOTES:

- DEVICES SHOWN ARE NOT REPRESENTATIVE OF ACTUAL CONNECTIONS OR DEVICES USED AND ARE FOR ILLUSTRATIVE PURPOSES ONLY.
- ROUTE ALL FIRE ALARM DEVICE WIRING FOR EACH FLOOR IN SINGLE 1-1/2" C. DISTRIBUTE TO INDIVIDUAL DEVICES USING 3/4"C.

### KEYED NOTES: (X)

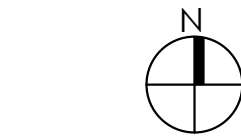
- PROVIDE 24VDC TO SMOKE HATCH ACTUATORS THAT WILL OPEN THE SMOKE HATCHES UPON ELEVATOR MACHINE ROOM SMOKE ALARM ACTIVATION. SEE E-401 KEY/NOTE#9 FOR ADDITIONAL INFORMATION.



### 4 FIRE ALARM RISER

SUCF NO. 161042 - REPLACE ELEVATORS MORRISON HALL AND RILEY-ROBB HALL

CORNELL UNIVERSITY  
507 TOWER ROAD (1064 MORRISON)  
111 WING DRIVE (1062 RILEY-ROBB)  
ITHACA, NY 14853



### BID DOCUMENTS

10/27/2023

NO.	DESCRIPTION	DATE

### ELECTRICAL SCHEDULES/DETAILS

A|r JOB NO.:190.114  
CLIENT NO: 161042  
DRAWN BY: JK  
SHEET NO:

E-641