

C:\Users\skurik\Documents\A_22-105-VA-East Orange-Upgrade Elev PH2\24U_drawing\G001.dwg 5/19/2025 8:51:26 AM VA FORM 08-6231



UPGRADE ELEVATORS PH2

NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS
385 TREMONT AVE
EAST ORANGE, NJ 07018

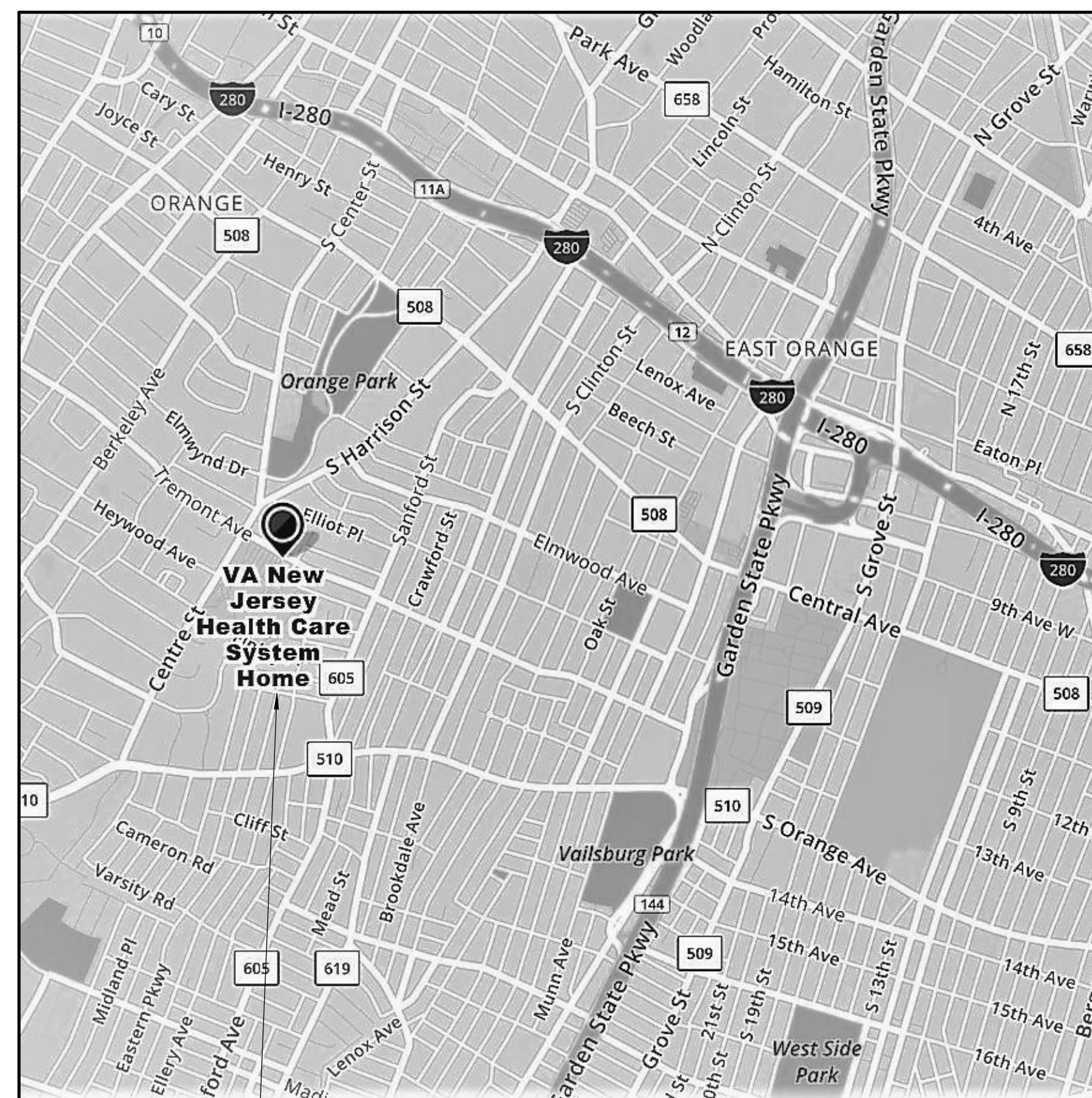
VA PROJECT #: 561-21-301

PROJECT SITE MAP



 BUILDINGS IN SCOPE - UPGRADE ELEVATORS PHASE 2

PROJECT LOCATION MAP



PROJECT LOCATION

DRAWING LIST

GENERAL			
G-001	COVER	1	3
G-002	CAMPUS SITE PLAN	2	3
G-003	ICRA INFORMATION, DETAILS AND LIFE SAFETY INFORMATION	3	3
ARCHITECTURAL			
A-001	ARCHITECTURAL SYMBOLS, ABBREVIATIONS AND NOTES	1	22
1.A100	OVERALL FLOOR PLAN - BLDG 1 - LEVEL B	2	22
1.A101	OVERALL BLDG 1 FLOOR PLAN - FOURTH FLOOR	3	22
1.A102	OVERALL FLOOR PLAN - BLDG 1 - FIFTH FLOOR	4	22
1.A103	OVERALL BLDG 1 ROOF PLAN	5	22
1.A104	OVERALL BLDG 1 PLAN - PENTHOUSE A	6	22
1.A105	OVERALL BLDG 1 PLAN - PENTHOUSE B	7	22
1.A401	BLDG 1 - ENLARGED PLANS - ELEV P12, S13, P16, P17	8	22
1.A402	BLDG 1 - ENLARGED PLANS - ELEV P7, P8	9	22
1.A403	BLDG 1 - ENLARGED PLANS - ELEV P11	10	22
1.A404	BLDG 1 - ENLARGED REFLECTED CEILING PLANS	11	22
2.A101	BLDG 2 - ELEV P1	12	22
5.A101	BLDG 5 - ELEV P1	13	22
7.A101	BLDG 7 - ELEV S1	14	22
A-301	ELEVATOR SCHEMATIC SECTIONS, TYPICAL DETAILS	15	22
A-701	BUILDING 1 SERVICE ELEVATOR S13 PLAN, RCP AND ELEVATIONS	16	22
A-702	BUILDING 1 PASSENGER ELEVATORS P12, P16 AND P17 PLAN, RCP AND ELEVATIONS	17	22
A-703	BUILDING 2 PASSENGER ELEVATOR P1 PLAN, RCP AND ELEVATIONS	18	22
A-704	BUILDING 7 SERVICE ELEVATOR S1 PLAN, RCP AND ELEVATIONS	19	22
A-705	BUILDING 1 PASSENGER ELEVATORS P7 AND P8 PLAN AND ELEVATIONS	20	22
A-706	BUILDING 1 PASSENGER ELEVATOR P11 PLAN AND ELEVATIONS	21	22
A-707	BUILDING 5 PASSENGER ELEVATOR P1 PLAN AND ELEVATIONS	22	22
MECHANICAL			
M-001	FIRE SUPPRESSION GENERAL INFORMATION	1	10
M-002	PLUMBING GENERAL INFORMATION, DETAILS, AND SCHEDULES	2	10
M-003	MECHANICAL GENERAL INFORMATION AND SCHEDULES	3	10
1.M101	BUILDING 1 - ENLARGED PLANS - ELEV P7, P8	4	10
1.M102	BUILDING 1 - ENLARGED PLANS - ELEV P12, S13, P16, P17	5	10
1.M103	BUILDING 1 - ENLARGED PLANS - ELEV P11	6	10
2.M101	BUILDING 2 - ENLARGED PLANS - ELEV P1	7	10
5.M101	BUILDING 5 - ENLARGED PLANS - ELEV P1	8	10
7.M101	BUILDING 7 - ENLARGED PLANS - ELEV S1	9	10
M-501	MECHANICAL DETAILS	10	10
ELECTRICAL			
E-001	ELECTRICAL GENERAL NOTES, SYMBOL LEGENDS, AND ABBREVIATIONS	1	18
E-002	TECHNOLOGY GENERAL NOTES, SYMBOL LEGEND, AND ABBREVIATIONS	2	18
E-003	FIRE ALARM GENERAL NOTES, SYMBOL LEGEND, AND RISER	3	18
1.E101	BLDG 1 - OVERALL ELECTRICAL FLOOR PLANS	4	18
1.E401	BLDG 1 - MACHINE ROOM 1-6 LIGHTING PLANS	5	18
1.E402	BLDG 1 - ENLARGED PLANS - ELEV P12, S13, P16, & P17	6	18
1.E403	BLDG 1 - PENTHOUSE - ENLARGED PLANS & SINGLE LINE - ELEV P12, S13, P16, & P17 MACHINE ROOM	7	18
1.E404	BLDG 1 - ENLARGED PLANS - ELEV P7 & P8	8	18
1.E405	BLDG 1 - ENLARGED PLANS & SINGLE LINE - ELEV P7 & P8 MACHINE ROOM	9	18
1.E406	BLDG 1 - ENLARGED PLANS - ELEV P11	10	18
1.E407	BLDG 1 - FIFTH FLOOR - ENLARGED PLANS & SINGLE LINE - ELEV P11	11	18
2.E101	BLDG 2 - ELEV P1 PLANS	12	18
2.E102	BLDG 2 - ELEV MACHINE ROOM P1 ENLARGED PLANS AND RISERS	13	18
5.E101	BLDG 5 - ELEV P1 PLANS	14	18
7.E101	BLDG 7 - ELEV S1 PLANS	15	18
E-501	ELECTRICAL DETAILS	16	18
E-600	BUILDING 1, 2, 5, & 7 - ELEVATOR RISER DIAGRAMS	17	18
E-601	ELECTRICAL SCHEDULES	18	18

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

CONSULTANTS:			PROJECT MANAGER		ACG Project Number 22-105		Office of Construction and Facilities Management		Drawing Title COVER		Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301	
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511						Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number #	
			www.acg-pa.com		919-858-7420		VA U.S. Department of Veterans Affairs				Date MAY 14, 2025		Checked WVS	
											Drawn CET		Drawing Number G-001	
													Dwg 1 of 3	



MAIN ENTRANCE

SHEET NOTES:

1. CONTRACTOR TO VERIFY PARKING LOCATIONS AND RESTRICTIONS WITH VA AND C.O.R.
2. CONTRACTOR TO PROVIDE TRANSPORTATION TO AND FROM PARKING AREA TO BUILDING ONE IF DEEMED NECESSARY.
3. CONTRACTOR TO COORDINATE STAGING/LAYDOWN AREA WITH VA AND C.O.R.
4. CONTRACTOR TO VERIFY BADGING REQUIREMENTS WITH VA AND C.O.R. PRIOR TO SUBMITTING BID.

KEY NOTES:

- 1 BLDG. 1 MAIN ENTRANCE
- 2 CONTRACTOR PARKING AREA. TO BE COORDINATED WITH COR PRIOR TO SUBMITTING BID
- 3 CONTRACTOR STAGING AREA ONLY USABLE BY PERMISSION FROM COR
- 4 CONTRACTOR STAGING AREA
- 5 DUMPSTER LOCATION
- 6 DROP OFF MATERIAL LOCATION
- 7 COORDINATE USE OF LOADING DOCK HOURS 0700 TO 1900

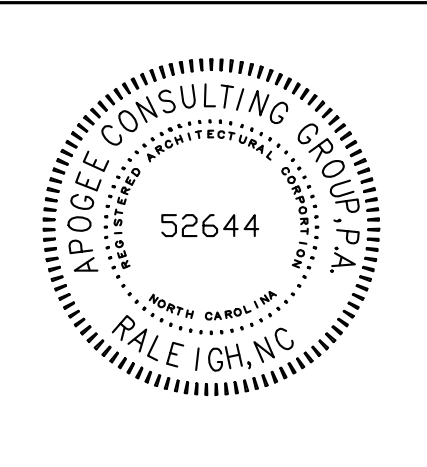
LEGEND

- BUILDINGS WITH ELEVATORS IN SCOPE OF WORK
- CONTRACTOR PARKING AREA. REFER TO KEYNOTES FOR MORE INFORMATION
- CONTRACTOR STAGING AREA. REFER TO KEYNOTES FOR MORE INFORMATION

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100% CONSTRUCTION DOCUMENTS

1 CAMPUS SITE PLAN
Scale: 1" = 60'-0"

CONSULTANTS:		
#	Revisions:	Date



PROJECT MANAGER
Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

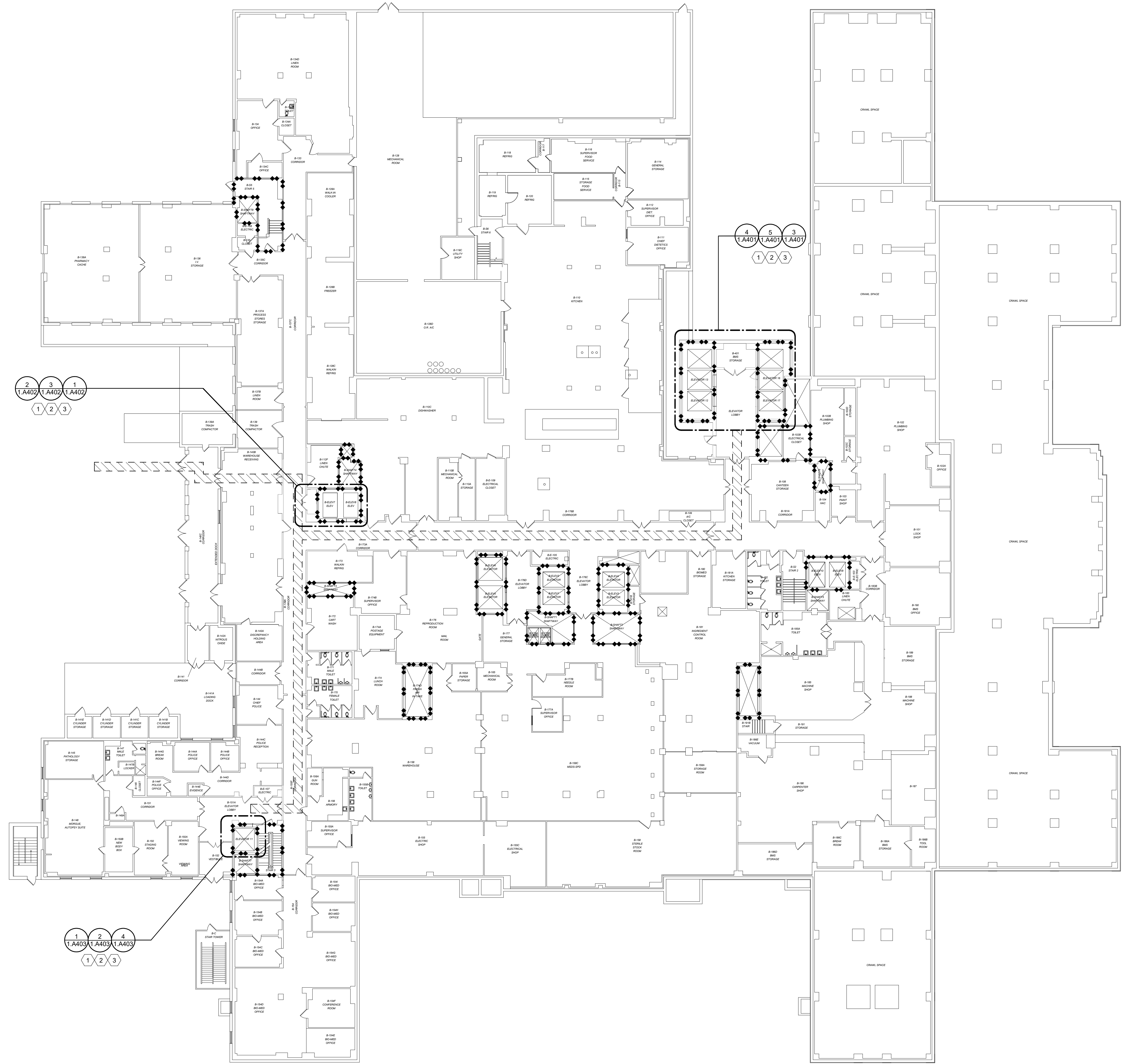
Office of
Construction
and Facilities
Management
VA U.S. Department
of Veterans Affairs

Drawing Title
CAMPUS SITE PLAN
Location
NEW JERSEY VA MEDICAL CENTER -
EAST ORANGE CAMPUS
385 TREMONT AVE
EAST ORANGE, NJ 07018

Project Title
UPGRADE ELEVATORS PH2
Approved
Date MAY 14, 2025
Checked WVS
Drawn CET

VA PROJECT NUMBER
561-21-301
Building Number

Drawing Number
G-002
Dwg 2 of 3



1 OVERALL FLOOR PLAN - BLDG 1 - LEVEL B
Scale: 1/16" = 1'-0"

SHEET NOTES:

- CONTRACTOR TO PROTECT EXISTING CONDITIONS TO REMAIN FROM DAMAGE DURING DEMOLITION.
- ALL CONSTRUCTION DEBRIS IS TO BE REMOVED FROM SITE EACH DAY AND DISPOSED OF PROPERLY PER CONTRACT REQUIREMENTS.
- CONTRACTOR TO PROVIDE PROTECTIVE BARRIERS, WARNING SIGNS AND TEMPORARY PATHWAYS IN AREAS THAT WILL BE OPERATING DURING THE CONSTRUCTION PHASE.
- PROVIDE DUST AND DEBRIS BARRIER IN ACCORDANCE WITH ICRA REQUIREMENT.
- CONTRACTOR TO PATCH ANY AREAS THAT WERE DAMAGED DURING DEMOLITION TO MATCH EXISTING.
- CONTRACTOR TO ENSURE TO NOT DAMAGE RATED SHAFT WALLS OR FIRE / SMOKE RATED PARTITIONS. ANY RATED WALLS DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED PER RATED PARTITION REQUIREMENTS.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY THE COR OF ANY CONFLICTS PRIOR TO PROCEEDING WITH DEMOLITION.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY DOCUMENTS FOR RESPECTIVE DEMOLITION AND NEW WORK INFORMATION.
- IF THE USE OF TEMPORARY BARRIERS IS NECESSARY, RATING OF ENCLOSURE IS TO MATCH THAT OF RATED ADJACENT WALLS.
- SUBMIT ALL SUBMITTALS WITHIN 90 DAYS AFTER AWARD.
- PROVIDE NOTICE WITHIN 90 DAYS IF APPROVED EQUIPMENT HAS BEEN DISCONTINUED.
- ON SITE START DATE TO BE DETERMINED ONCE ALL APPROVED EQUIPMENT AND MATERIAL HAS BEEN RECEIVED BY CONTRACTOR.

PROJECT COMPLETION SEQUENCING:

- 2 CREWS AT A TIME. WORKING ON ELEVATORS IN SEQUENCE AS FOLLOWS
- FIRST
ONE CREW BUILDING 1, S13, ONE CREW BUILDING 1, P11
- SECOND
ONE CREW BUILDING 1, P16, ONE CREW BUILDING 1, P17
- THIRD
ONE CREW BUILDING 1, P12, ONE CREW BUILDING 2, P1
- FOURTH
ONE CREW BUILDING 1, P7, ONE CREW BUILDING 5, P1
- FIFTH
ONE CREW BUILDING 1, P8, ONE CREW BUILDING 7, S1
- WORK MAY NOT COMMENCE ON SUBSEQUENT ELEVATORS UNTIL WORK IS TOTALLY COMPLETE AND FINAL ACCEPTED BY A/E AND HOSPITAL

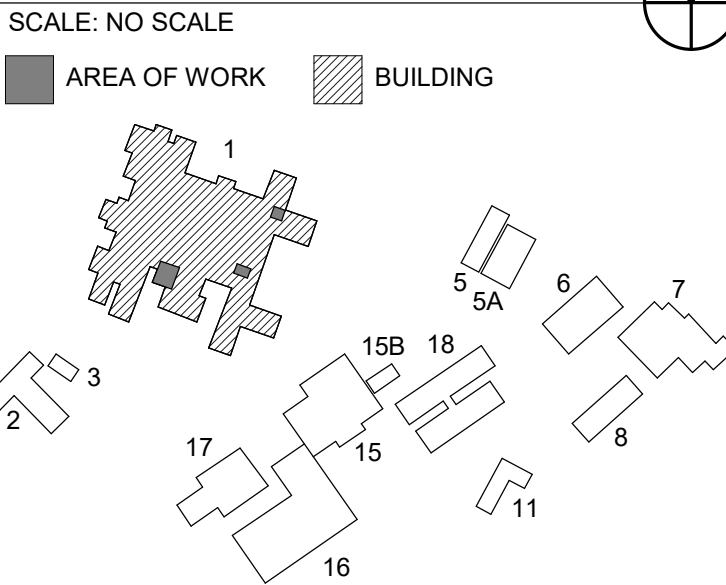
KEY NOTES:

- CONTRACTOR TO PROVIDE UPDATED SUBMITTAL LOGS MONTHLY.
- PROJECT SCHEDULES TO BE SUBMITTED WITH NOTICE TO PROCEED DATE LISTED.
- PROJECT SCHEDULES TO BE UPDATED MONTHLY.

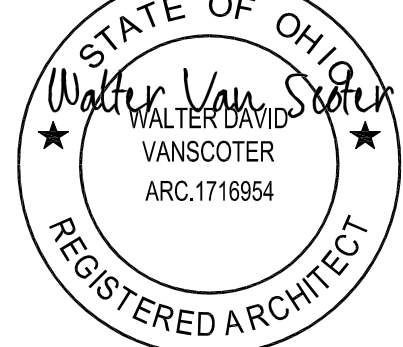
LEGEND

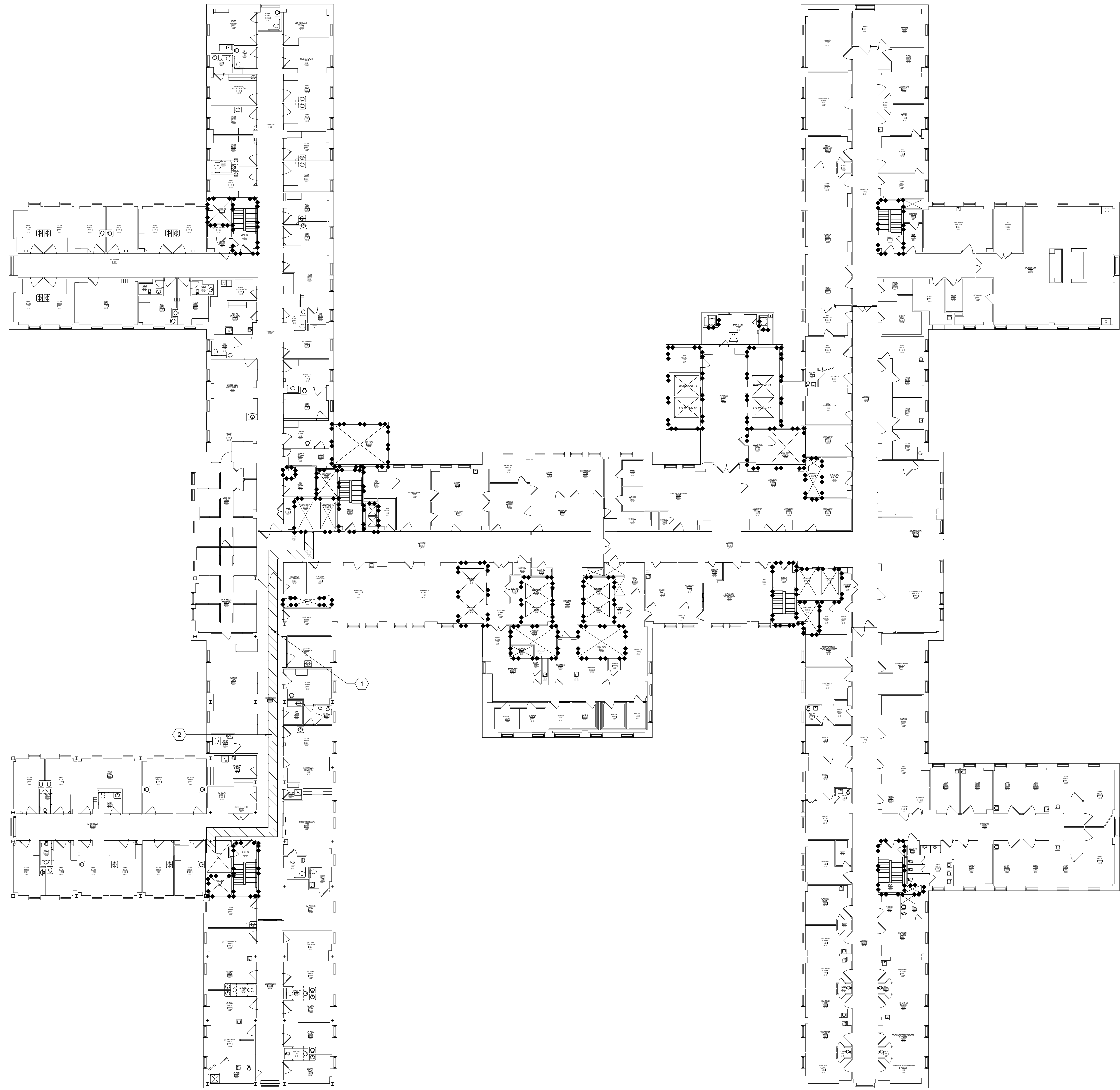
- CONSTRUCTION ROUTE - CONSTRUCTION MATERIALS ROUTE (MAIN BLDG ENTRANCE ON "A" FLOOR)
- CONSTRUCTION EGRESS ROUTE

KEY PLAN



**FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS**

CONSULTANTS:			 52644 RALEIGH, NC		 Walter Van Scooter VANSCOTER ARC.1716954 5/19/2025		PROJECT MANAGER Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420		Office of Construction and Facilities Management  U.S. Department of Veterans Affairs		Drawing Title OVERALL FLOOR PLAN - BLDG 1 - LEVEL B Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Project Title UPGRADE ELEVATORS PH2 Approved Date MAY 14, 2025 Checked WVS Drawn CET		VA PROJECT NUMBER 561-21-301 Building Number # 1 Drawing Number 1.A100 Dwg 2 of 22	
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1 OVERALL FLOOR PLAN - BLDG 1 - FOURTH FLOOR
Scale: 1/16" = 1'-0"



SHEET NOTES:

- CONTRACTOR TO PROTECT EXISTING CONDITIONS TO REMAIN FROM DAMAGE DURING DEMOLITION.
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- CONTRACTOR TO PROVIDE PROTECTIVE BARRIERS, WARNING SIGNS AND TEMPORARY PATHWAYS IN AREAS THAT WILL BE OPERATING DURING THE CONSTRUCTION PHASE.
- PROVIDE DUST AND DEBRIS BARRIER IN ACCORDANCE WITH ICRA REQUIREMENT.
- CONTRACTOR TO PATCH ANY AREAS THAT WERE DAMAGED DURING DEMOLITION TO MATCH EXISTING.
- CONTRACTOR TO ENSURE TO NOT DAMAGE RATED SHAFT WALLS OR FIRE / SMOKE RATED PARTITIONS. ANY RATED WALLS DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED PER RATED PARTITION REQUIREMENTS.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY THE COR OF ANY CONFLICTS PRIOR TO PROCEEDING WITH DEMOLITION.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY DOCUMENTS FOR RESPECTIVE DEMOLITION AND NEW WORK INFORMATION.
- IF THE USE OF TEMPORARY HARD BARRIERS IS NECESSARY, RATING OF ENCLOSURE IS TO MATCH THAT OF RATED ADJACENT WALLS.

ELEVATOR EQUIPMENT TRANSPORTATION ROUTING:

ELEVATOR MOTOR AND EQUIPMENT TO BE BROKEN DOWN TO MANAGEABLE PARTS.
TRANSPORT FROM GROUND FLOOR TO 4TH FLOOR VIA ELEVATOR 7 OR 8 (SUBJECT TO VA COR APPROVAL) AND TRANSPORT TO 5-53 STAIR TOWER - OFF HOURS. EQUIPMENT TO BE TRANSPORTED FROM 4TH TO 5TH FLOOR WITH A STAIRCLIMBING HAND TRUCK.
SEE SHEET 1.A403 FOR ADDITIONAL INFORMATION ONCE EQUIPMENT IS ON THE FIFTH FLOOR.

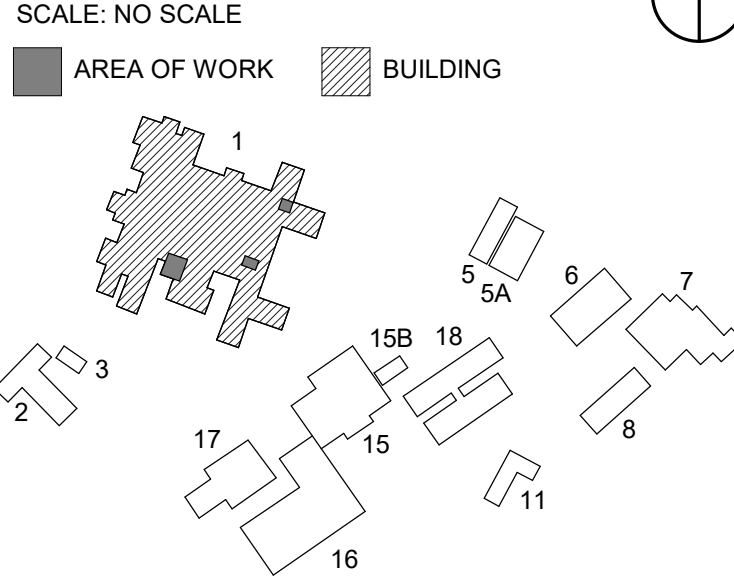
KEY NOTES:

- INSTALL 1/4" THICK TEMPORARY FLOORING PROTECTION.
- WORKER'S PATH TO MACHINE ROOM

LEGEND

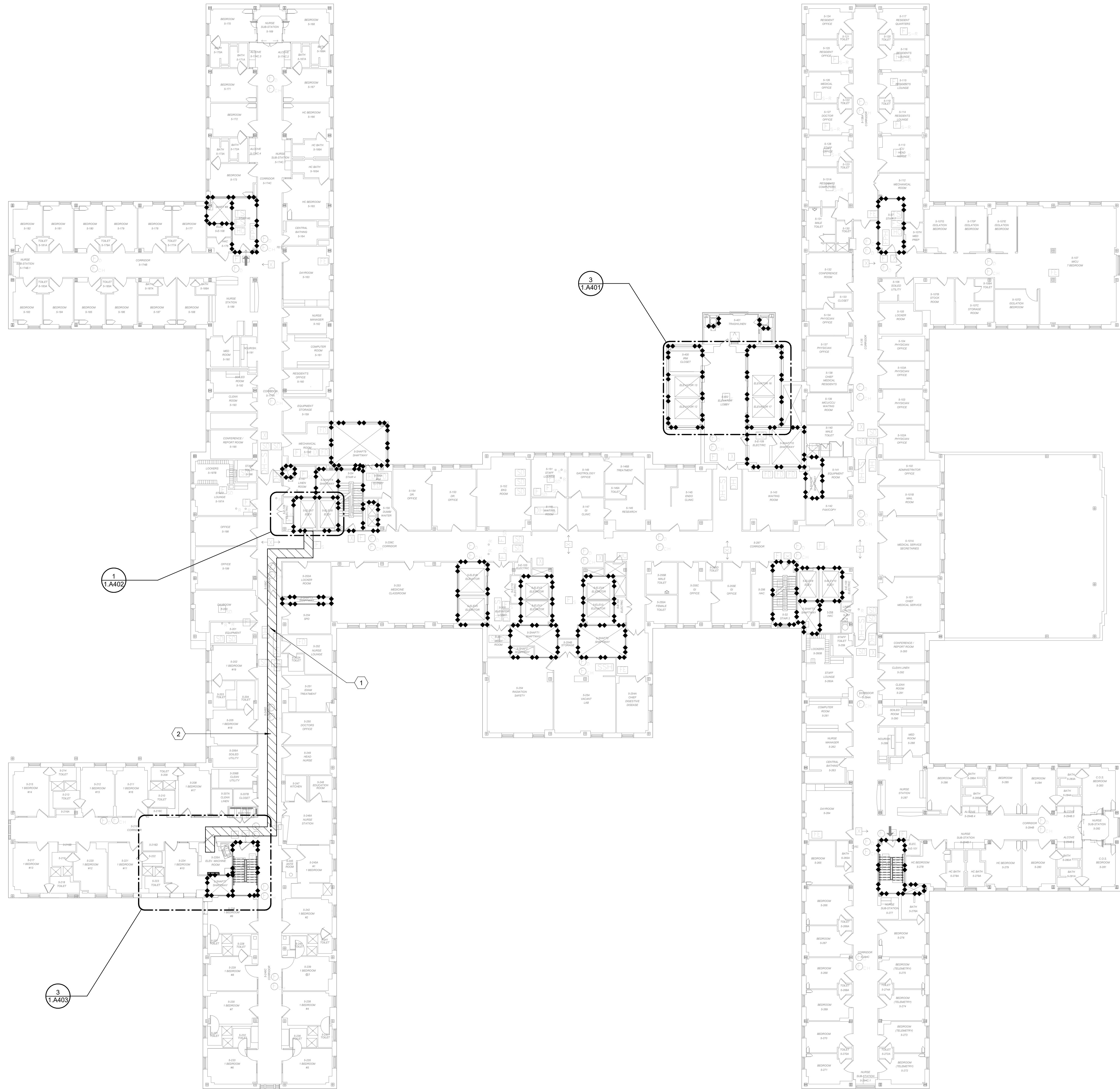
- CONSTRUCTION WORKER'S ROUTE - (MAIN BLDG ENTRANCE ON "A" FLOOR)
- EXISTING ROOF

KEY PLAN



FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

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1 OVERALL FLOOR PLAN - BLDG 1 - FIFTH FLOOR
Scale: 1/16" = 1'-0"

SHEET NOTES:

- A. CONTRACTOR TO PROTECT EXISTING CONDITIONS TO REMAIN FROM DAMAGE DURING DEMOLITION.
- B. ALL CONSTRUCTION DEBRIS IS TO BE REMOVED FROM SITE EACH DAY AND DISPOSED OF PROPERLY PER CONTRACT REQUIREMENTS.
- C. CONTRACTOR TO PROVIDE PROTECTIVE BARRIERS, WARNING SIGNS AND TEMPORARY PATHWAYS IN AREAS THAT WILL BE OPERATING DURING THE CONSTRUCTION PHASE.
- D. PROVIDE DUST AND DEBRIS BARRIER IN ACCORDANCE WITH ICRA REQUIREMENT.
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ELEVATOR MOTOR AND EQUIPMENT TO BE BROKEN DOWN TO MANAGEABLE PARTS.
TRANSPORT FROM GROUND FLOOR TO 4TH FLOOR VIA ELEVATOR 7 OR 8 (SUBJECT TO VA COR APPROVAL) AND TRANSPORT TO 5-53 STAIR TOWER - OFF HOURS. EQUIPMENT TO BE TRANSPORTED FROM 4TH TO 5TH FLOOR WITH A STAIRCLIMBING HAND TRUCK.
SEE SHEET 1.A403 FOR ADDITIONAL INFORMATION ONCE EQUIPMENT IS ON THE FIFTH FLOOR.

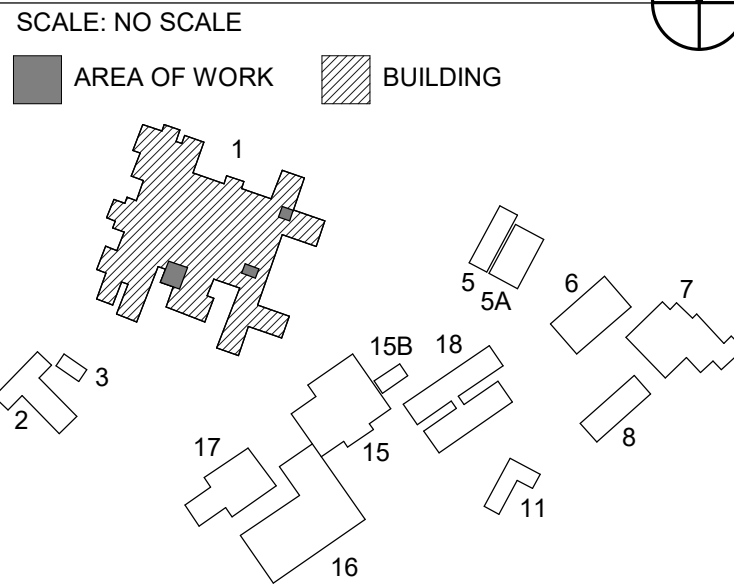
KEY NOTES:

- 1. INSTALL 1/4" THICK TEMPORARY FLOORING PROTECTION.
- 2. WORKER'S PATH TO MACHINE ROOM

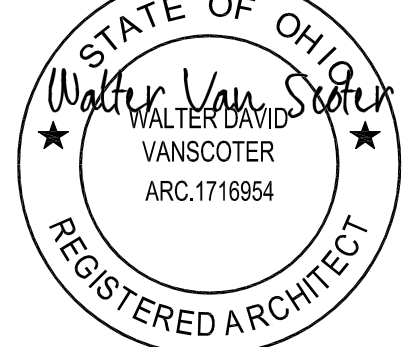
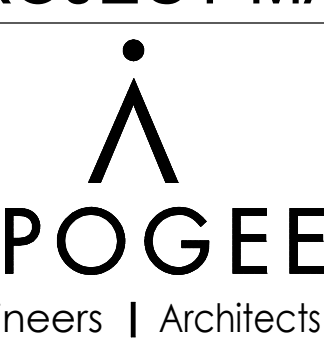
LEGEND

- CONSTRUCTION WORKER'S ROUTE - (MAIN BLDG ENTRANCE ON "A" FLOOR)
- EXISTING ROOF

KEY PLAN

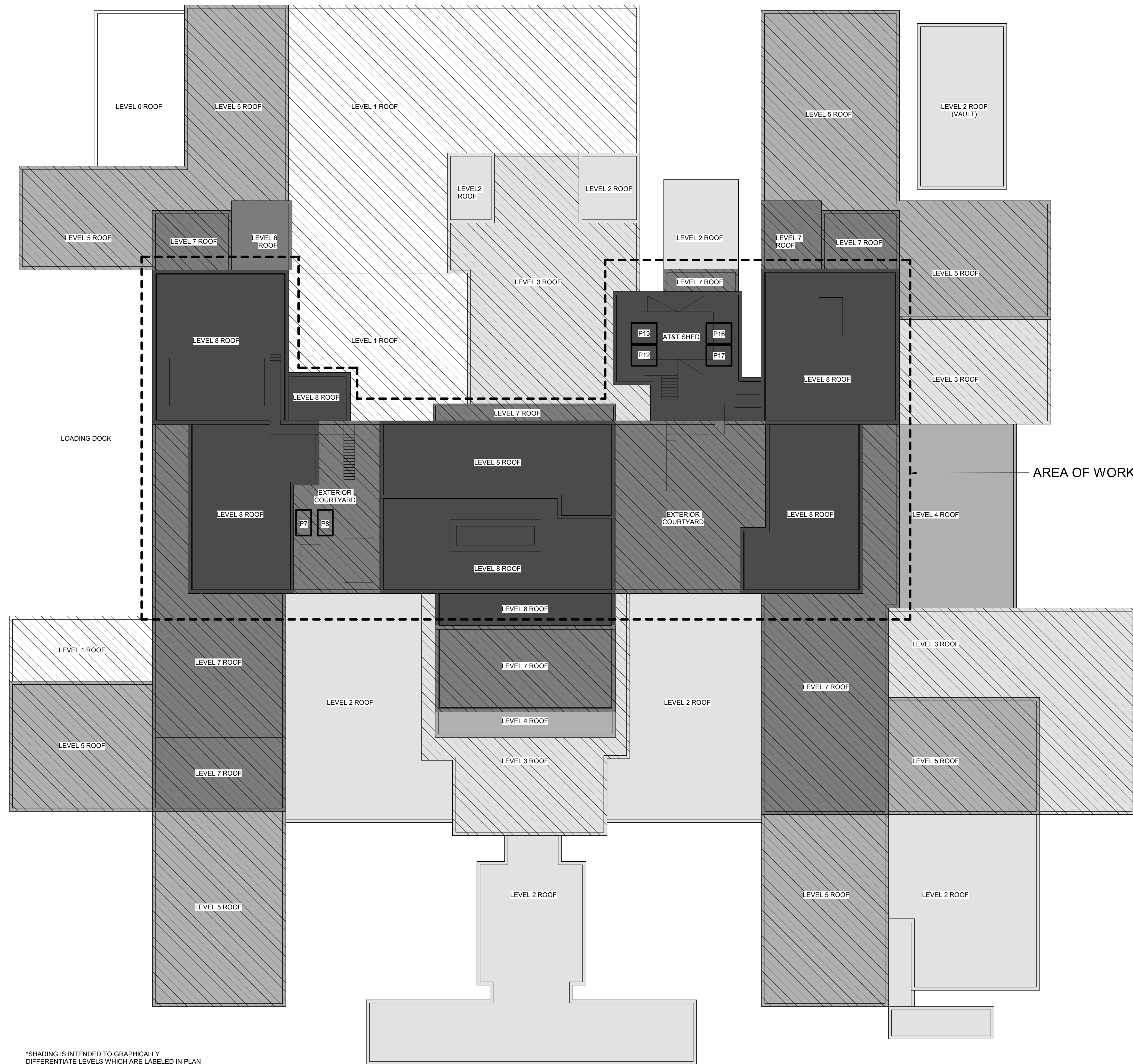


**FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS**

CONSULTANTS:							PROJECT MANAGER ACG Project Number 22-105  Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420		Office of Construction and Facilities Management  U.S. Department of Veterans Affairs		Drawing Title OVERALL FLOOR PLAN - BLDG 1 - FIFTH FLOOR Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018	Project Title UPGRADE ELEVATORS PH2 Approved Date MAY 14, 2025 Checked WVS Drawn CET	VA PROJECT NUMBER 561-21-301 Building Number # 1 Drawing Number 1.A102 Dwg 4 of 22
#	Revisions:	Date											

C:\Users\skurk\Documents\A_22-105-VA-East-Orange-Upgr-Elev-Ph2\A103.dwg 5/19/2025 8:32:29 AM VA FORM 08-6231

PHOTO FOR REFERENCE (NTS)



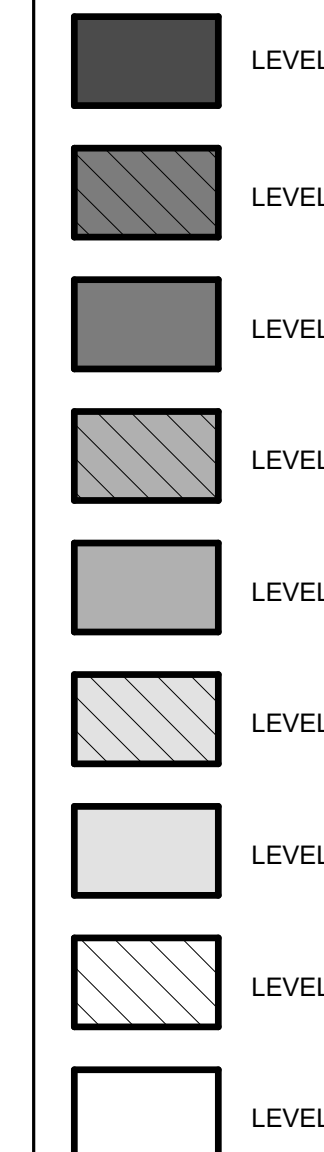
*SHADING IS INTENDED TO GRAPHICALLY DIFFERENTIATE LEVELS WHICH ARE LABELED IN PLAN

1 OVERALL BLDG 1 ROOF PLAN
Scale: 1/16" = 1'-0"

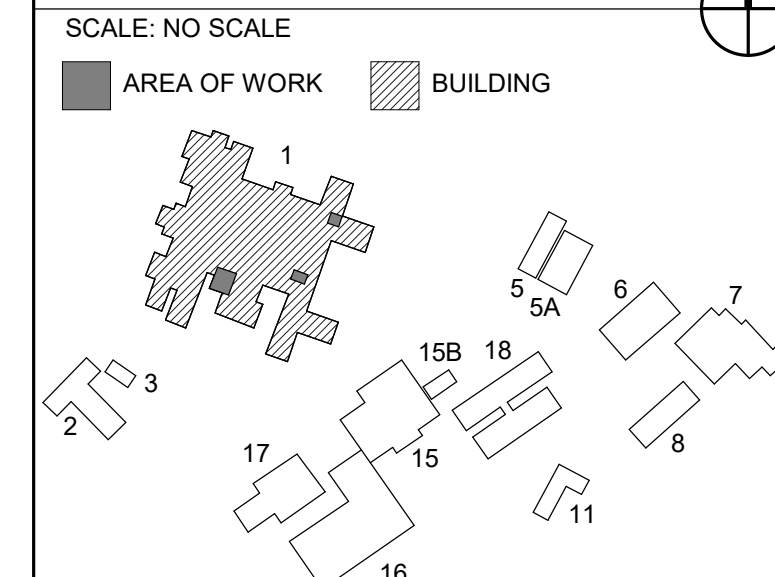
SHEET NOTES:

- CONTRACTOR TO PROTECT EXISTING CONDITIONS TO REMAIN FROM DAMAGE DURING DEMOLITION.
- ALL CONSTRUCTION DEBRIS IS TO BE REMOVED FROM SITE EACH DAY AND DISPOSED OF PROPERLY PER CONTRACT REQUIREMENTS.
- CONTRACTOR TO PROVIDE PROTECTIVE BARRIERS, WARNING SIGNS AND TEMPORARY PATHWAYS IN AREAS THAT WILL BE OPERATING DURING THE CONSTRUCTION PHASE.
- PROVIDE DUST AND DEBRIS BARRIER IN ACCORDANCE WITH ICRA REQUIREMENT.
- CONTRACTOR TO PATCH ANY AREAS THAT WERE DAMAGED DURING DEMOLITION TO MATCH EXISTING.
- CONTRACTOR TO ENSURE TO NOT DAMAGE RATED SHAFT WALLS OR FIRE / SMOKE RATED PARTITIONS. ANY RATED WALLS DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED PER RATED PARTITION REQUIREMENTS.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY THE COR OF ANY CONFLICTS PRIOR TO PROCEEDING WITH DEMOLITION.
- REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY DOCUMENTS FOR RESPECTIVE DEMOLITION AND NEW WORK INFORMATION.
- IF THE USE OF TEMPORARY BARRIERS IS NECESSARY, RATING OF ENCLOSURE IS TO MATCH THAT OF RATED ADJACENT WALLS.

ROOF HEIGHT LEGEND

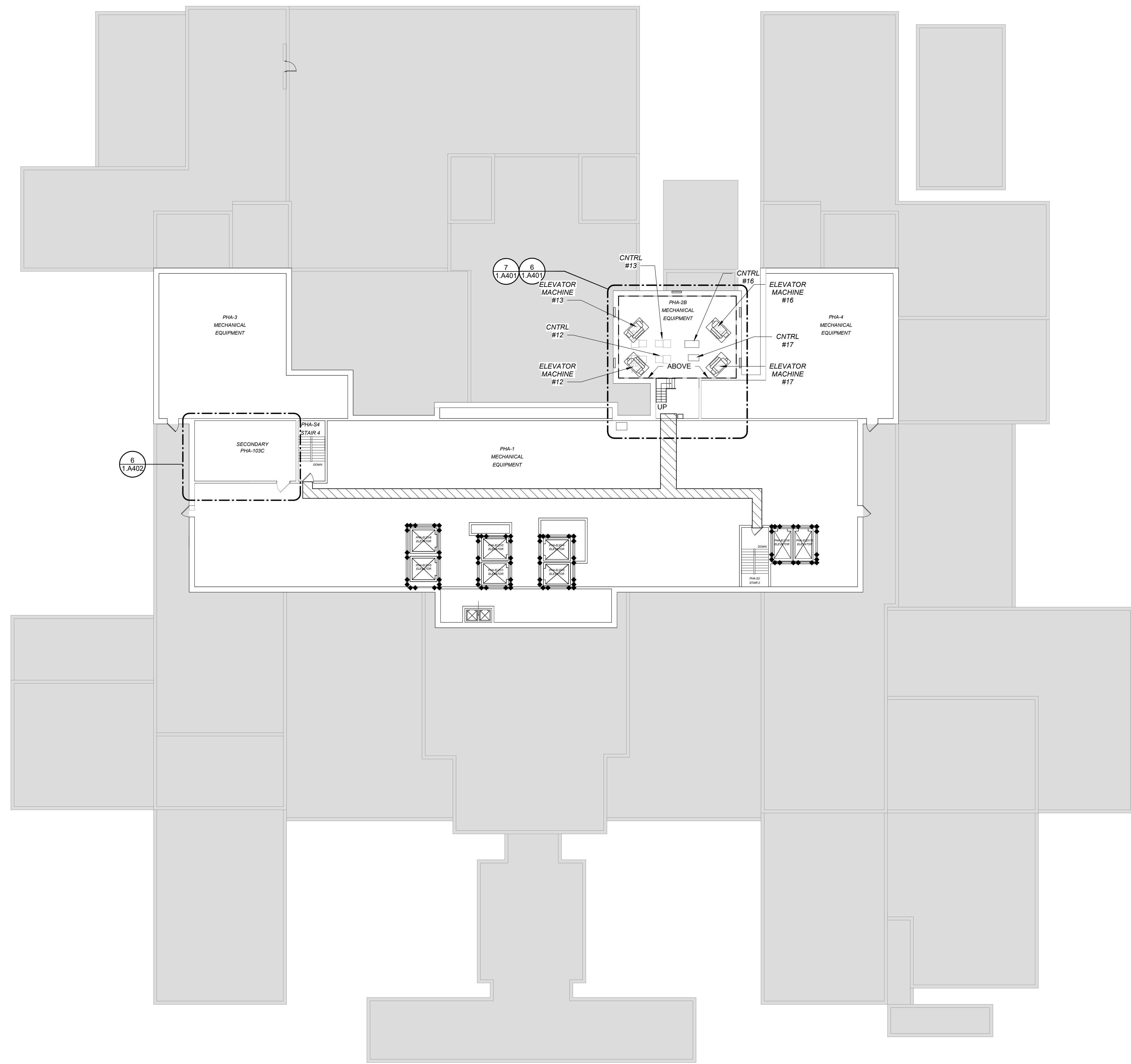


KEY PLAN

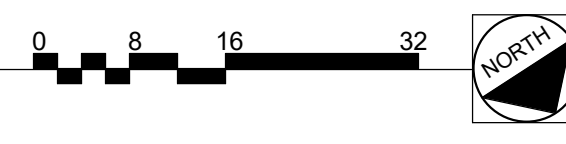


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100% CONSTRUCTION DOCUMENTS

CONSULTANTS:			PROJECT MANAGER		Office of Construction and Facilities Management		Drawing Title OVERALL BLDG 1 ROOF PLAN		Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301	
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511				Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number # 1	
			Engineers Architects www.acg-pa.com 919-858-7420		U.S. Department of Veterans Affairs		Date MAY 14, 2025		Checked WVS		Drawing Number 1.A103	
									Date MAY 14, 2025		Dwg 5 of 22	



1 OVERALL BLDG 1 PLAN - PENTHOUSE A
Scale: 1/16" = 1'-0"



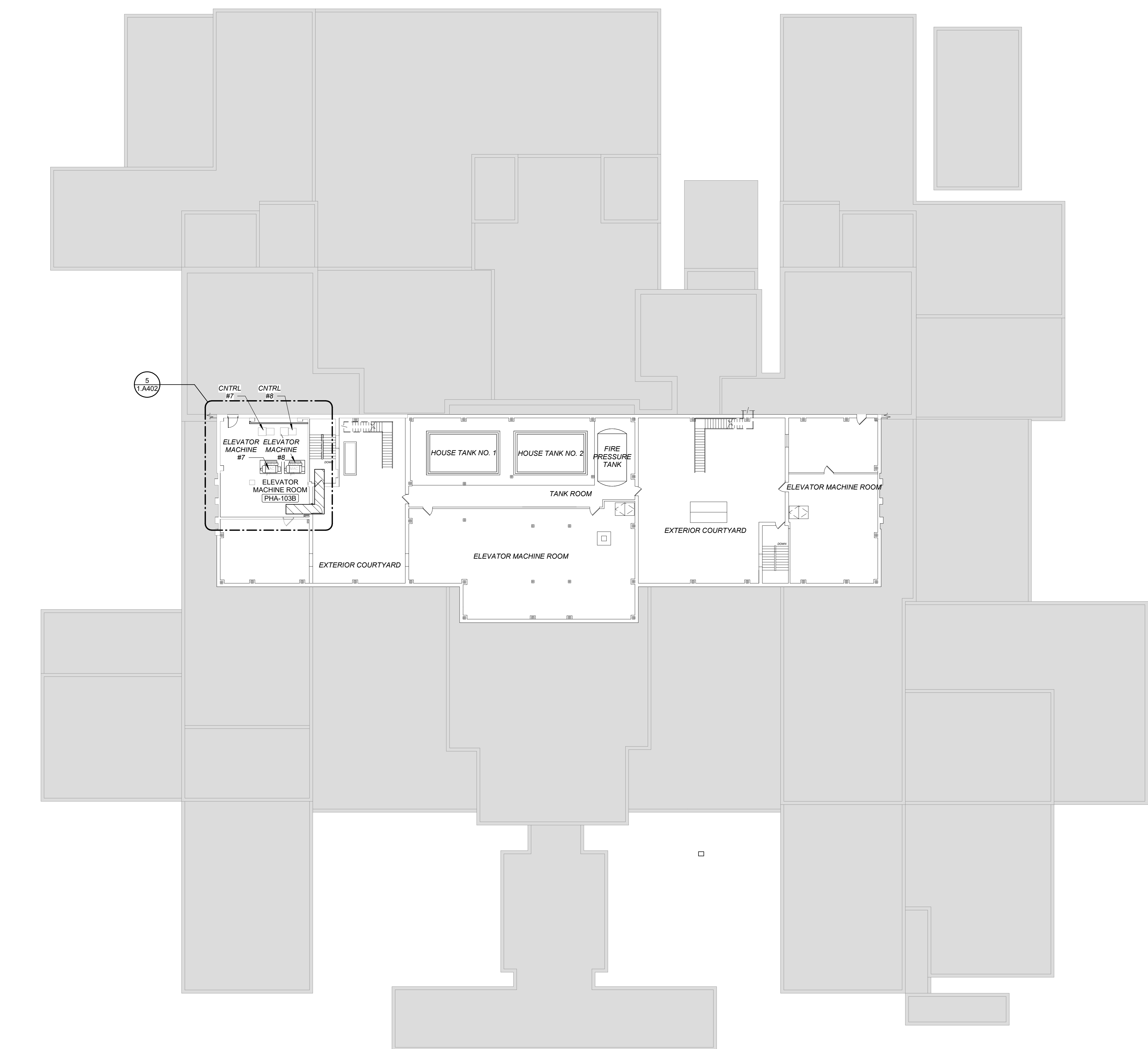
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 - H. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND TECHNOLOGY DOCUMENTS FOR RESPECTIVE DEMOLITION AND NEW WORK INFORMATION.
 - I. IF THE USE OF TEMPORARY BARRIERS IS NECESSARY, RATING OF ENCLOSURE IS TO MATCH THAT OF RATED ADJACENT WALLS.

LEGEND

- CONSTRUCTION WORKER'S ROUTE - (MAIN BLDG ENTRANCE ON 'A' FLOOR)
- EXISTING ROOF
- PHA** PENTHOUSE A

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CONSULTANTS:						PROJECT MANAGER ACG Project Number 22-105 Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420		Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title OVERALL BLDG 1 PLAN - PENTHOUSE A Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Project Title UPGRADE ELEVATORS PH2 Approved Date MAY 14, 2025 Checked WVS Drawn CET		VA PROJECT NUMBER 561-21-301 Building Number # 1 Drawing Number 1.A104 Dwg 6 of 22		
#	Revisions:	Date														



1 OVERALL BLDG 1 PLAN - PENTHOUSE B
Scale: 1/16" = 1'-0"

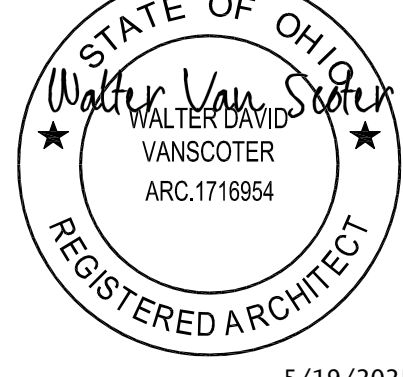


- SHEET NOTES:**
- A. CONTRACTOR TO PROTECT EXISTING CONDITIONS TO REMAIN FROM DAMAGE DURING DEMOLITION.
 - B. ALL CONSTRUCTION DEBRIS IS TO BE REMOVED FROM SITE EACH DAY AND DISPOSED OF PROPERLY PER CONTRACT REQUIREMENTS.
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LEGEND

- CONSTRUCTION WORKER'S ROUTE - (MAIN BLDG ENTRANCE ON "A" FLOOR)
- EXISTING ROOF

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CONSULTANTS:		PROJECT MANAGER Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420	ACG Project Number 22-105	Office of Construction and Facilities Management	VA U.S. Department of Veterans Affairs	Drawing Title OVERALL BLDG 1 PLAN - PENTHOUSE B	Project Title UPGRADE ELEVATORS PH2	VA PROJECT NUMBER 561-21-301
						Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018	Approved	Building Number # 1
						Date MAY 14, 2025	Checked WVS	Drawing Number 1.A105
						Date	Drawing	Dwg 7 of 22

DOOR SCHEDULE - BUILDING 1									
DOOR NO.	DOOR			DOOR FRAME		FIRE RATING	HDWR SET	REMARKS	
	WIDTH	HEIGHT	THICK	ELEV	MATL				
162	3'-0"	7'-0"	1 3/4"	A	HM	HM	1	90 MIN.	NOTE 1
163	3'-0"	7'-0"	1 3/4"	A	GHM	GHM	1	90 MIN.	NOTE 2

NOTE 1 PAINT DOOR AND FRAME TO MATCH WALL COLOR.
NOTE 2 PAINT DOOR TO MATCH ADJACENT EXTERIOR DOOR COLOR.

HARDWARE SET 2.0

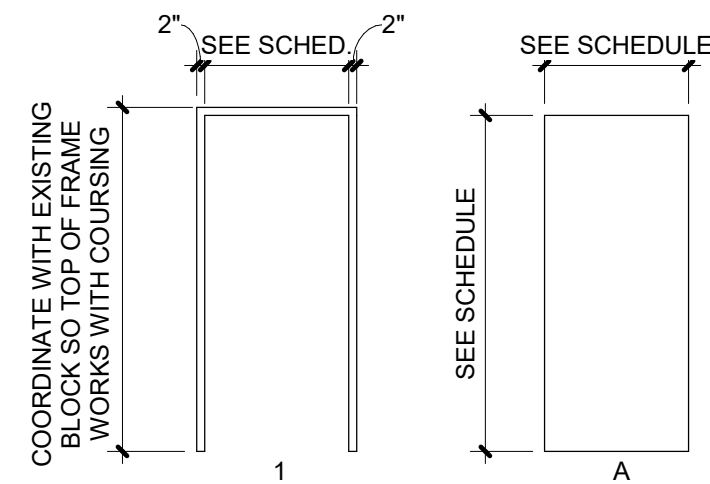
3	HINGES	TA2714	630	MK
1	DUST PROOF STRIKE PLATE	570	32D	RO
1	CYLINDRICAL LOCK	28LC-7G04 LP	26D	SA
1	DOOR CLOSER	DC6210XA11	689	CO
2	KICK PLATES	K1050F	32D	RO
1	GASKETING	S888 X HEAD & JAMBS		PE

MANUFACTURER'S

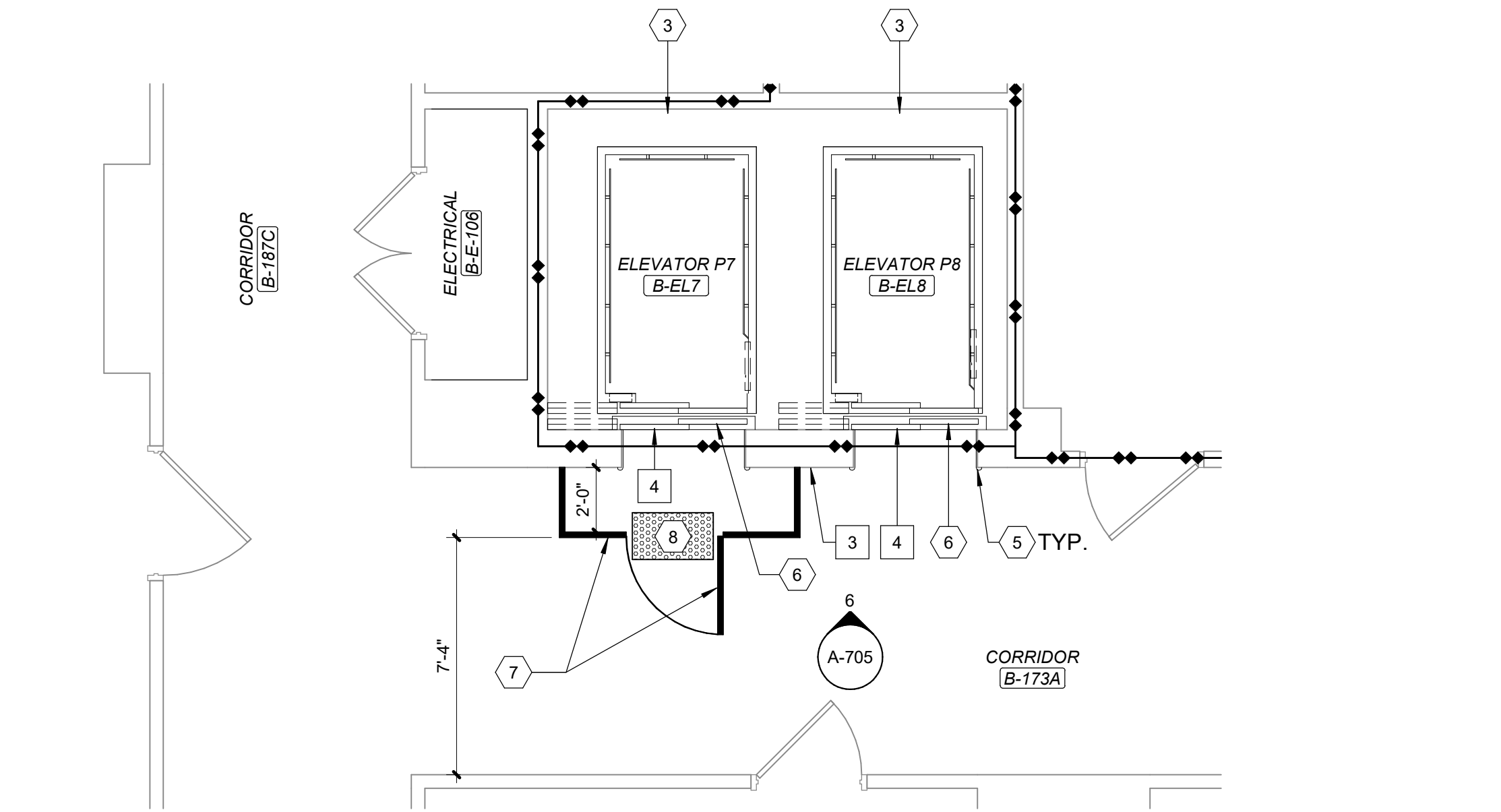
CORBIN RUSSWIN	CO
MCKINNEY	MK
PEMCO	PE
ROCKWOOD	RO
SARGENT	SA

REMARKS:

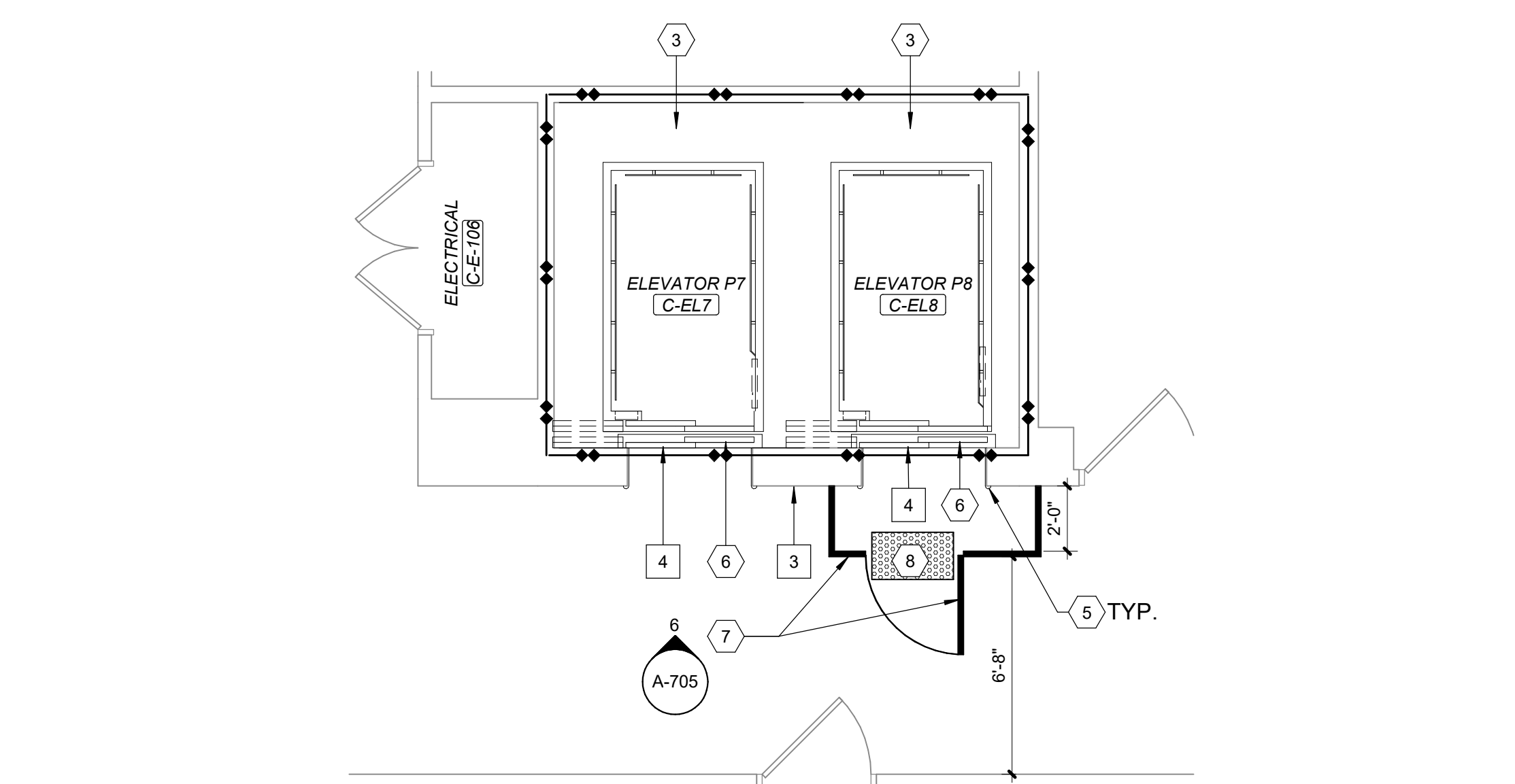
HARDWARE MANUFACTURER'S LISTED AS BASIS OF DESIGN. ALTERNATE MANUFACTURERS ACCEPTABLE, SUBJECT TO REVIEW BY ARCHITECT AND C.O.R. FOR EQUAL QUALITY COMPLIANCE.



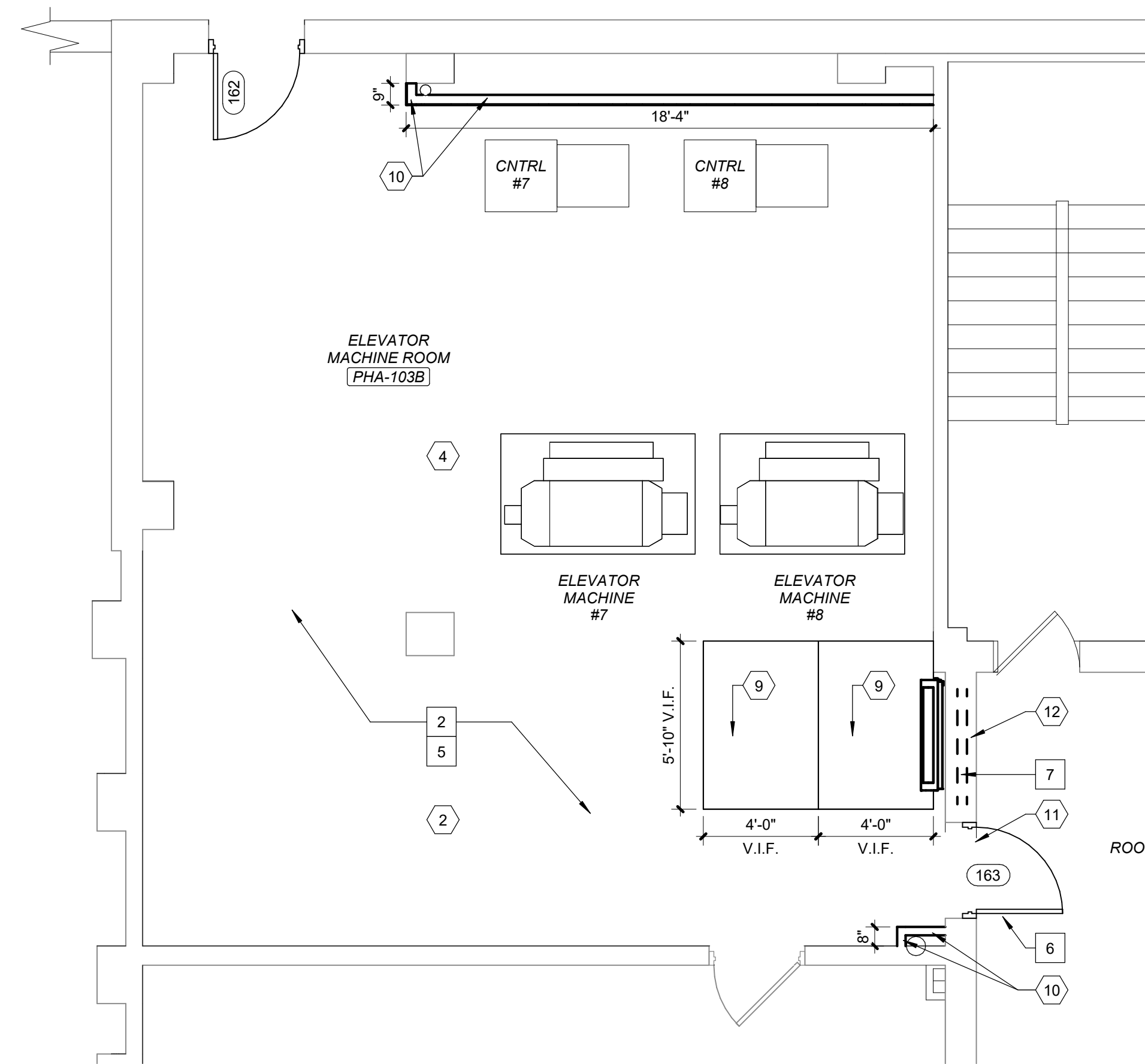
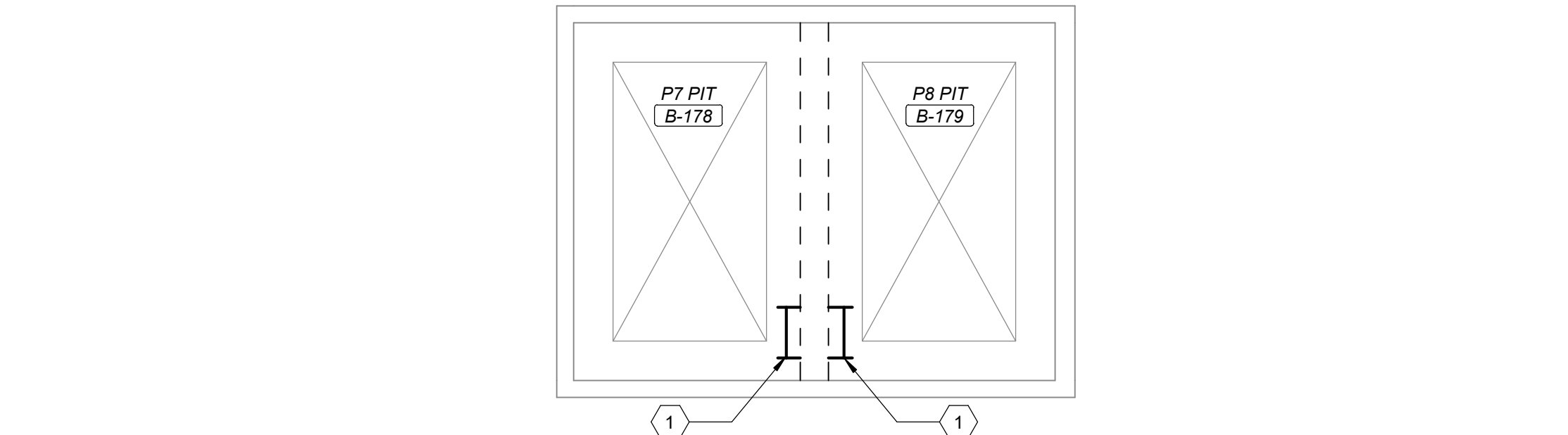
BLDG 1 LEVEL A THRU PENTHOUSE - ENLARGED PLAN - ELEV P7, P8
Scale: 1/4" = 1'-0"



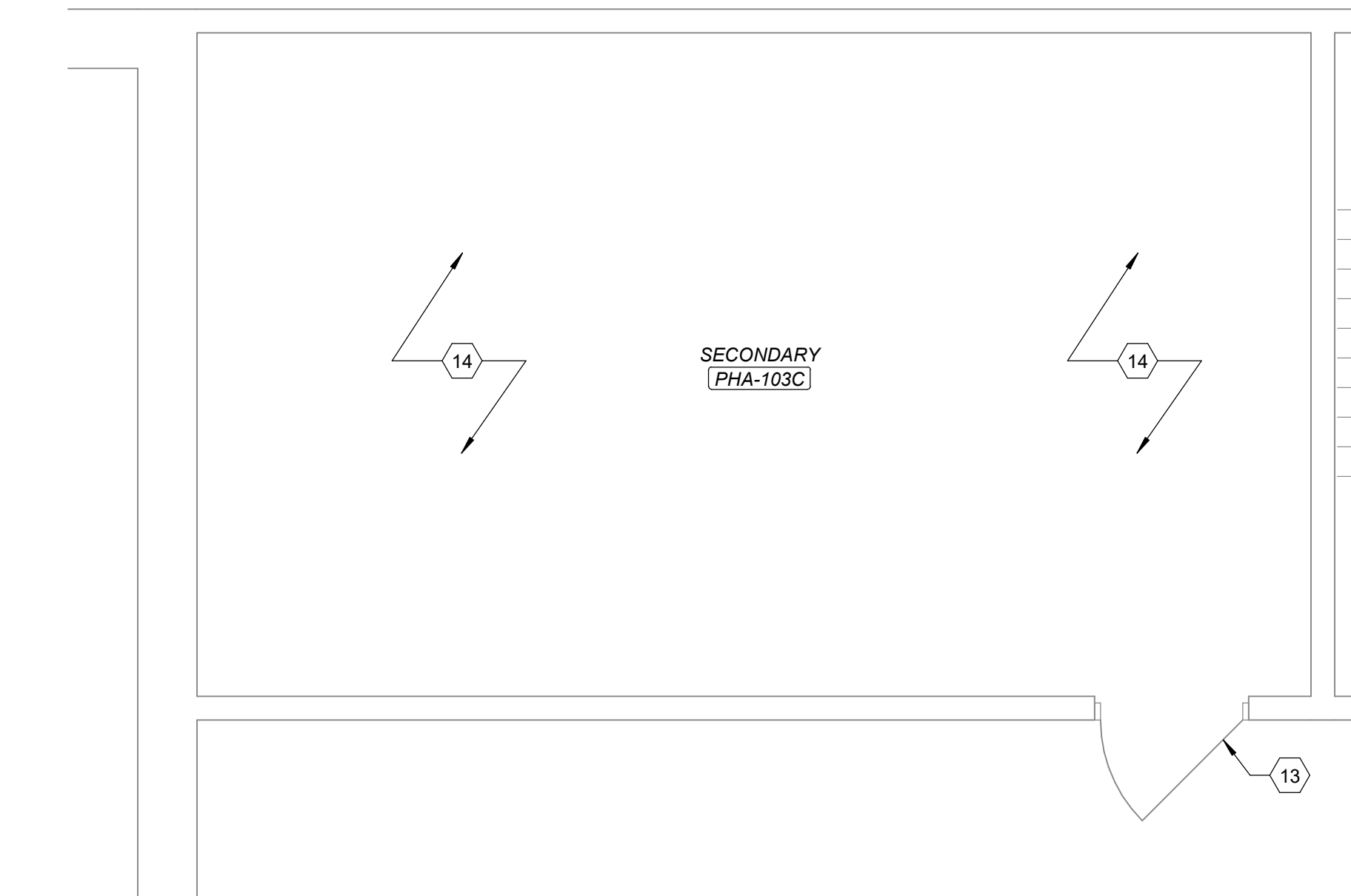
BLDG 1 LEVEL B - ENLARGED PLAN - ELEV P7, P8
Scale: 1/4" = 1'-0"



BLDG 1 LEVEL C - ENLARGED PLAN - ELEV P7, P8
Scale: 1/4" = 1'-0"



BUILDING 1 PENTHOUSE B - ENLARGED PLAN - ELEV P7, P8
Scale: 1/4" = 1'-0"



BUILDING 1 - PENTHOUSE A - SECONDARY SPACE - ELEV P7, P8
Scale: 1/4" = 1'-0"

BLDG 1 - PIT PLAN - ELEV P7, P8
Scale: 1/4" = 1'-0"



JAMB FINISH SCHEDULE				
LEVEL	ELEVATOR	REFINISH	RECLAD	COMMENTS
C	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
B	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
A	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
1	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
2	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
3	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
4	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
5	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
6	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
7	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
8	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
9	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
10	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
11	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
12	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2
13	P7		X	NOTE 1, NOTE 2
	P8		X	NOTE 1, NOTE 2

NOTE 1
HOISTWAY DOOR TO BE #4 BRUSHED STAINLESS STEEL, GRAIN VERTICAL.

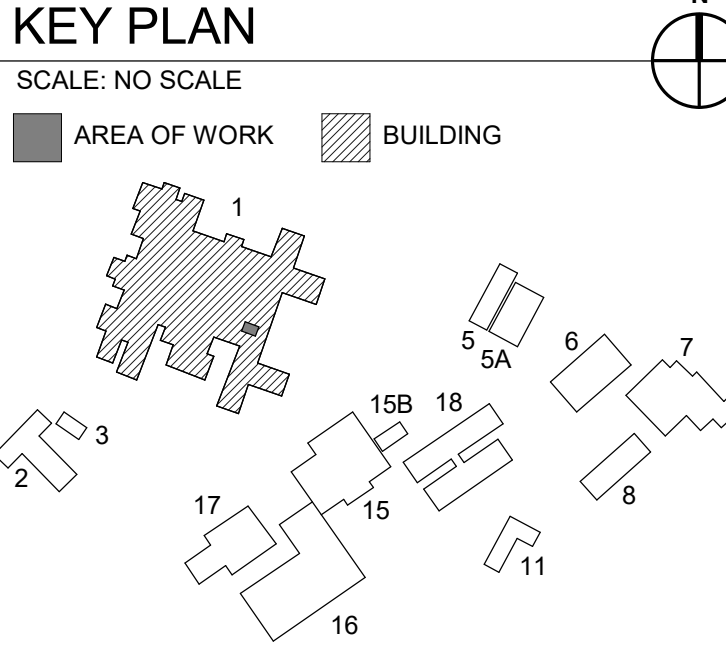
NOTE 2
JAMBS AND HEAD PIECE TO BE RECLAD WITH 16 GA STAINLESS STEEL, SEE DETAIL 4/A-301.

SHEET NOTES:	
A.	CONTRACTOR TO PROTECT WORK TO REMAIN FROM DAMAGE DURING DEMOLITION.
B.	ALL CONSTRUCTION DEBRIS IS TO BE REMOVED FROM SITE EACH DAY AND DISPOSED OF PROPERLY PER CONTRACT REQUIREMENTS.
C.	CONTRACTOR TO PROVIDE PROTECTIVE BARRIERS, WARNING SIGNS AND TEMPORARY PATHWAYS IN AREAS THAT WILL BE OPERATING DURING THE CONSTRUCTION PHASE.
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F.	CONTRACTOR TO ENSURE TO NOT DAMAGE RATED SHAFT WALLS OR FIRE / SMOKE RATED PARTITIONS. ANY RATED WALLS DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED PER RATED PARTITION REQUIREMENTS.
G.	VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY THE COR OF ANY CONFLICTS PRIOR TO PROCEEDING WITH DEMOLITION.
H.	REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DOCUMENTS FOR RESPECTIVE DEMOLITION AND NEW WORK INFORMATION.
I.	ALL EXISTING CONTROLLERS AND MOTORS IN PENTHOUSE TO BE DEMOLISHED AND REPLACED WITH NEW. SEE DIVISION 14 SPECIFICATIONS.
J.	ALL CEILING TILES MUST BE REPLACED BY THE END OF THE SHIFT FOR WORK AREAS NOT CONTAINED BY RATED CONSTRUCTION BARRIERS.

#	KEY NOTES:
1	REMOVE EXISTING FLOOR AND BASE SPECIFICATIONS
2	REMOVE EXISTING CALL BUTTONS, SIGNAL DEVICE AND HALL LANTERNS AS PER DIVISION 14 SPECIFICATIONS.
3	REMOVE EXISTING HOISTWAY DOOR PER DIVISION 14 SPECIFICATIONS
4	REMOVE EXISTING FLOOR SYSTEM AND PREP FOR NEW FLOOR SYSTEM
5	REMOVE EXISTING DOOR AND FRAME
6	REMOVE EXISTING LOUVER ONLY. EXTERIOR LOUVER TO REMAIN

#	KEY NOTES:
1	REPLACE PIT LADDER WITH NEW. SECURE TO EXISTING STEEL MEMBERS BETWEEN P7 & P8. SEE LADDER DETAIL 1/A-001.
2	PENTHOUSE TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE A-001
3	PROVIDE NEW LIGHTING IN PITS AND SHAFTS. SEE ELECTRICAL DRAWINGS
4	PROVIDE ALL NEW EQUIPMENT AS PER DIVISION 14 SPECIFICATIONS
5	ELEVATOR JAMBS - SEE JAMB FINISH SCHEDULE FOR FINISH OPTIONS
6	INSTALL NEW HOISTWAY DOORS AS PER DIVISION 14 SPECIFICATIONS
7	TEMPORARY NON-RATED HARD BARRIER AND DOOR @ EACH FLOOR AND AT ALL ELEVATORS IN PHASE WHILE CHANGING OUT DOORS & RE-FINISHING JAMBS. SEE JAMB FINISH SCHEDULE
8	PROVIDE STICKY MATS
9	ACCESS DOOR. SEE 4/I A110. EXISTING HVAC UNIT BLOCKING DOOR TO BE DEMOLISHED BEFORE USE OF ACCESS DOOR.
10	3 5/8" 22 GA STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD TO ELEVATOR MACHINE ROOM SIDE. BUILD WALLS FROM FLOOR TO CEILING (APPROX. 12'-0") FIELD VERIFY DIMENSIONS - ALL PIPING TO BE COVERED. FINISH GYP. BD. LEVEL 4 FINISH. PAINT, COLOR TO MATCH WALLS (APPROX. 300 S.F.)
11	INSTALL NEW DOOR AND FRAME AND THRESHOLD. THRESHOLD BASIS OF DESIGN: PEMKO 8451 SERIES OR EQUAL
12	COVER EXISTING OPENING APPROX. 2'-0" X 5'-4" (FIELD VERIFY). FILL IN OPENINGS WITH 1/2" 18 GA STUDS ALL 4 SIDES. SECURE TO WALL WITH TAPCONS. ADD VERTICAL STUDS 16" O.C. ALL FRAMING TO BE 2" BACK FROM FACE OF EXISTING WALL. INSTALL 16 GA GALVANIZED SHEET METAL 2" BIGGER THAN OPENING ALL THE WAY AROUND. ADHERE 2" THICK CLOSED CELL POLYSTYRENE TO BACK SIDE. FASTEN SHEET TO WALL FOUR CORNERS AND 12" O.C. ON VERTICAL STUDS. FIRE CAULK ENTIRE PERIMETER. SEE DETAIL 2/I A401 FOR SIMILAR DETAIL.
13	ACCESS DOOR TO SECONDARY SPACE FOR ELEVATORS P7 & P8. APPROX. 4'X4' 4" AFF V.I.F.
14	ROOM TO RECEIVE NEW FINISHES. SEE ROOM FINISH SCHEDULE ON SHEET A-001

ICRA LEGEND	
	PLASTIC BARRIER
	TEMPORARY DOOR
	TEMPORARY BARRIER
	STICKY MAT



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Revisions:		Date									

JAMB FINISH SCHEDULE				
LEVEL	ELEVATOR	REFINISH	RECLAD	COMMENTS
B	P11		X	NOTE 1, NOTE 2
A	P11		X	NOTE 1, NOTE 2
1	P11		X	NOTE 1, NOTE 2
2	P11		X	NOTE 1, NOTE 2
3	P11		X	NOTE 1, NOTE 2

NOTE 1
HOISTWAY DOOR TO BE #4 BRUSHED STAINLESS STEEL, GRAIN VERTICAL.

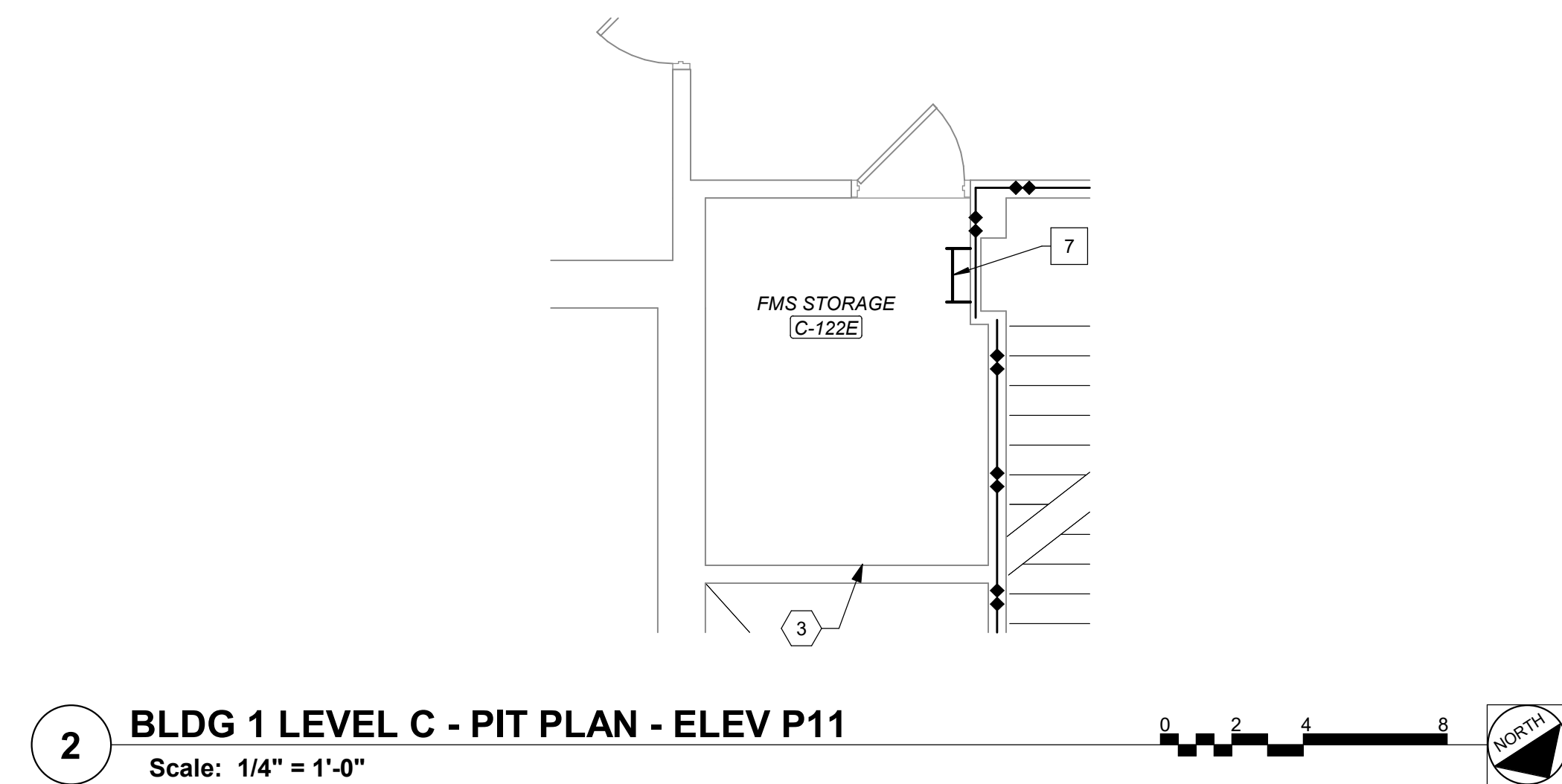
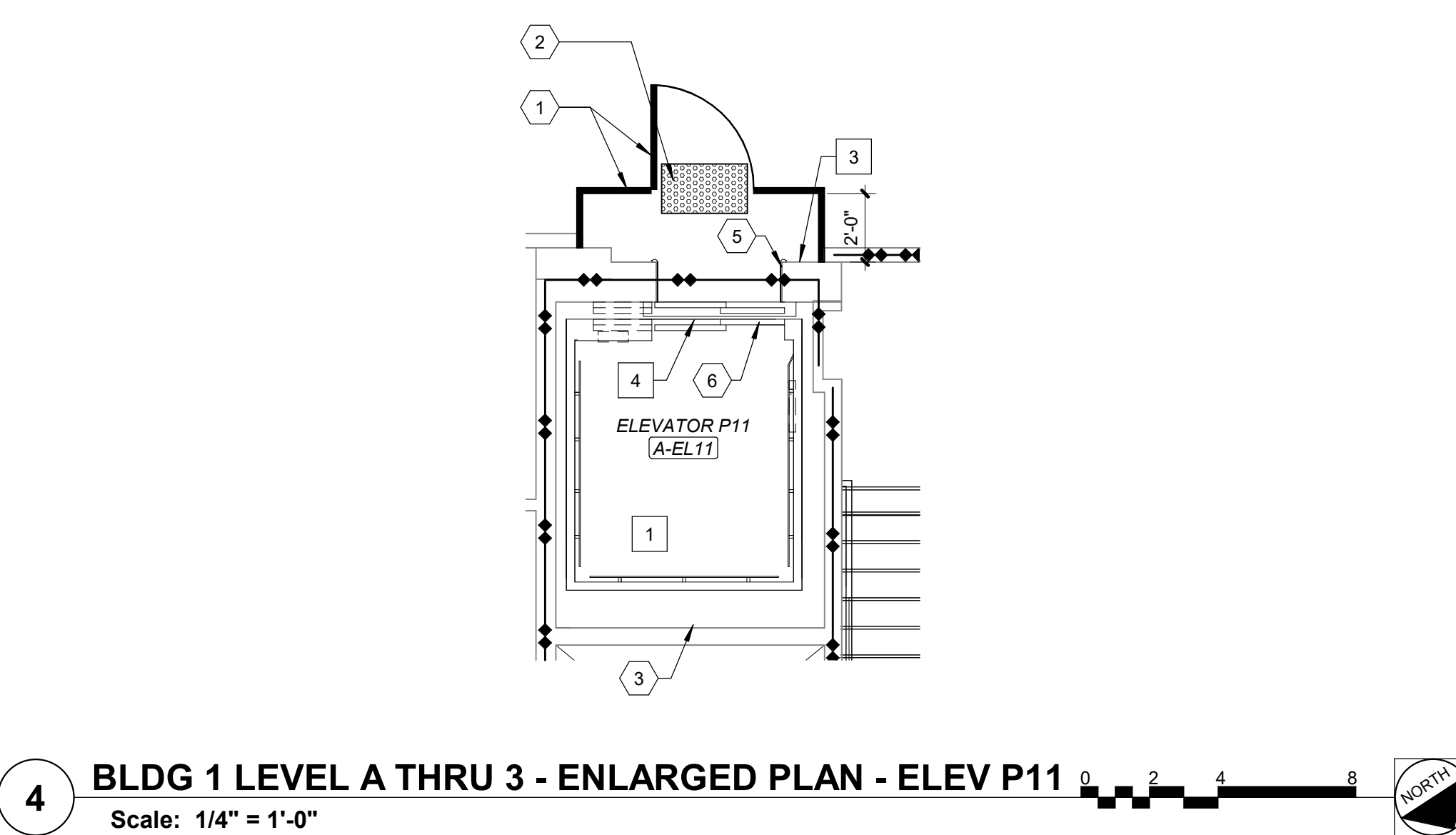
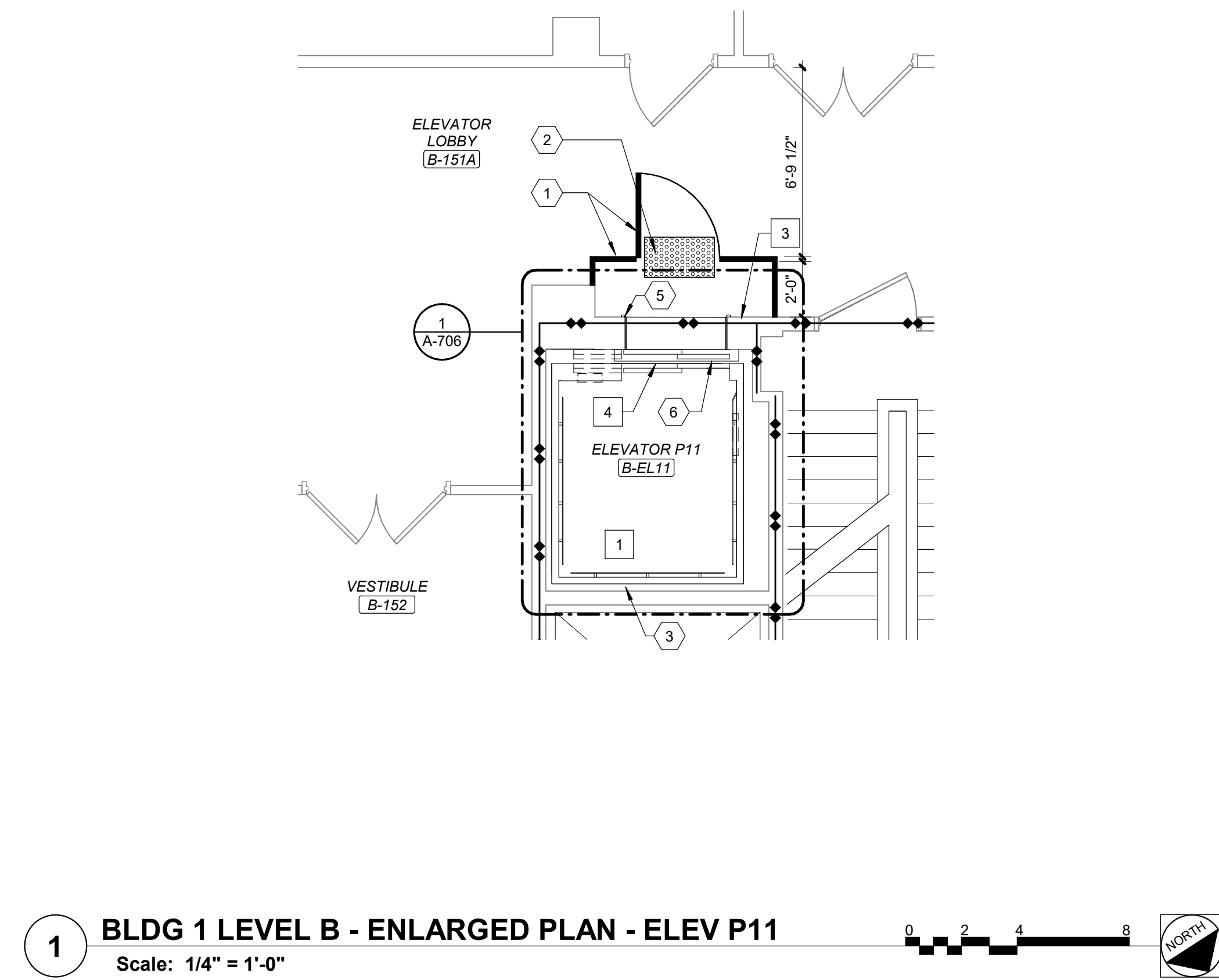
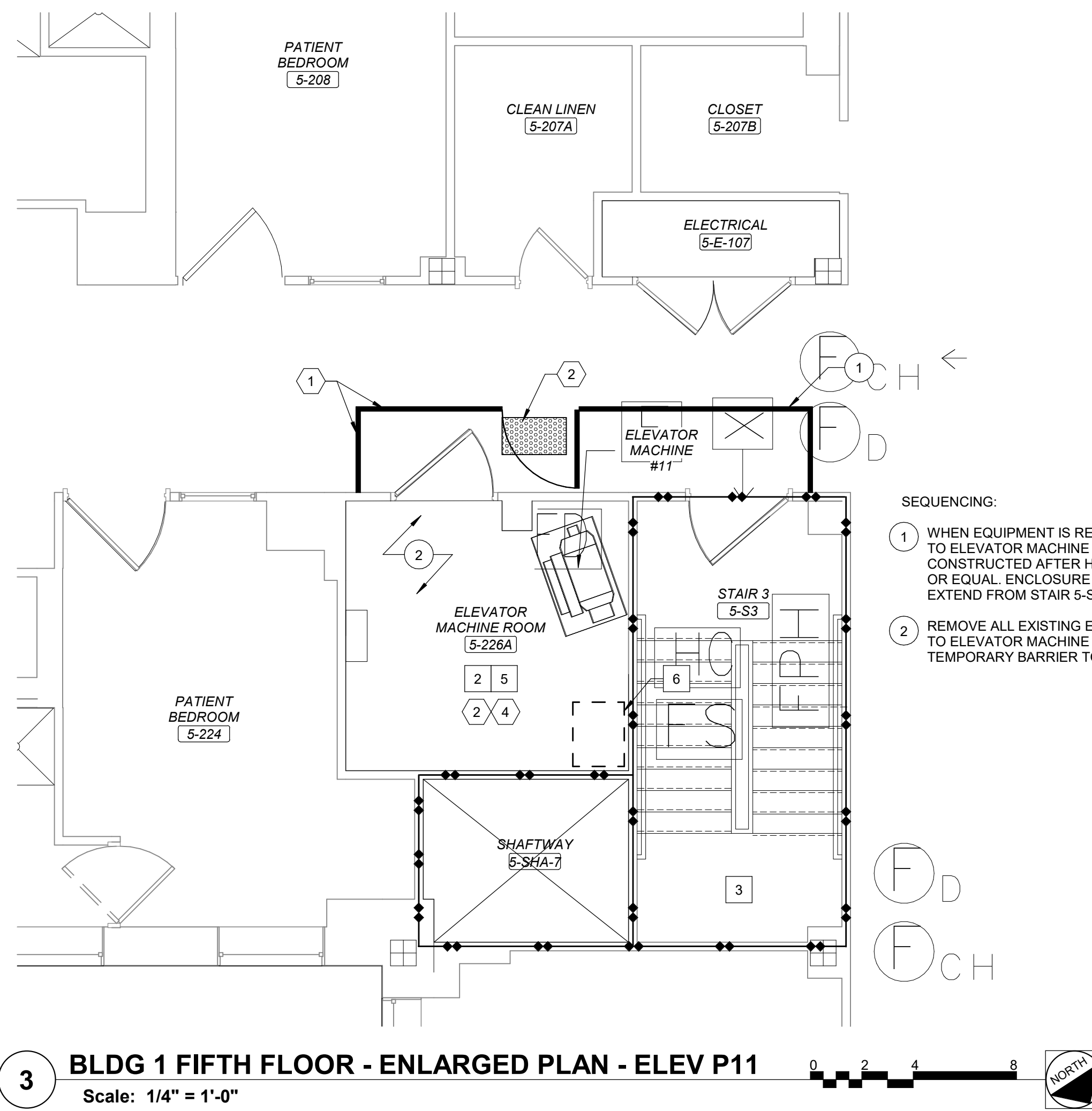
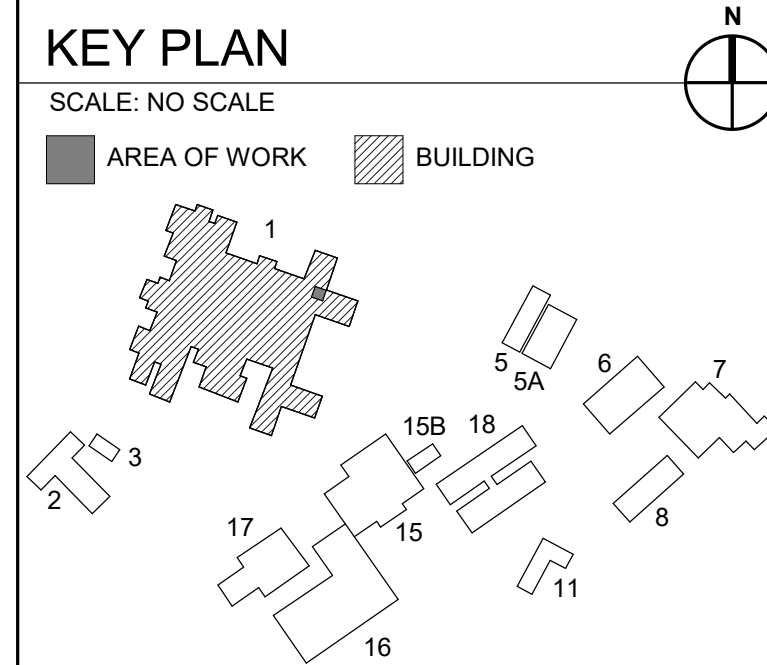
NOTE 2
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DETAIL 4/A-301.

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- KEY NOTES:**
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- 2 REMOVE ELEVATOR EQUIPMENT AS PER DIVISION 14 SPECIFICATIONS
- 3 REMOVE EXISTING CALL BUTTONS, SIGNAL DEVICE AND HALL LANTERNS AS PER DIVISION 14 SPECIFICATIONS
- 4 REMOVE EXISTING HOISTWAY DOOR PER DIVISION 14 SPECIFICATIONS
- 5 REMOVE EXISTING FLOOR SYSTEM AND PREP FOR NEW FLOOR SYSTEM
- 6 REMOVE EXISTING DUCTWORK FROM FLOOR TO CEILING
- 7 REPLACE EXISTING PIT LADDER WITH NEW LADDER. SEE DETAIL 1/A-001

- KEY NOTES:**
- 1 TEMPORARY BARRIER AND DOOR @ FLOORS SHOWN FOR ELEVATOR 11 WHILE CHANGING OUT DOORS & RE-FINISHING JAMBS. SEE JAMB FINISH SCHEDULE
- 2 PROVIDE STICKY MATS
- 3 PROVIDE NEW LIGHTING IN PITS AND SHAFTS. SEE ELECTRICAL DRAWINGS
- 4 PROVIDE ALL NEW EQUIPMENT AS PER DIVISION 14 SPECIFICATIONS.
- 5 ELEVATOR JAMBS - SEE JAMB FINISH SCHEDULE FOR FINISH OPTION
- 6 INSTALL NEW HOISTWAY DOORS AS PER DIVISION 14 SPECIFICATIONS

- ICRA LEGEND**
- PLASTIC BARRIER
- TEMPORARY DOOR
- TEMPORARY BARRIER
- STICKY MAT



FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

CONSULTANTS:			PROJECT MANAGER ACG Project Number 22-105 Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420		Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title BLDG 1 - ENLARGED PLANS - ELEV P11 Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018	Project Title UPGRADE ELEVATORS PH2 Approved Date MAY 14, 2025 Checked WVS Drawn CET		VA PROJECT NUMBER 561-21-301 Building Number # 1 Drawing Number 1.A403 Dwg 10 of 22	
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1.A404

JAMB FINISH SCHEDULE				
LEVEL	ELEVATOR	REFINISH	PAINT	COMMENTS
1	P1	X		NOTE 1, NOTE 2
2	P1	X		NOTE 1, NOTE 2

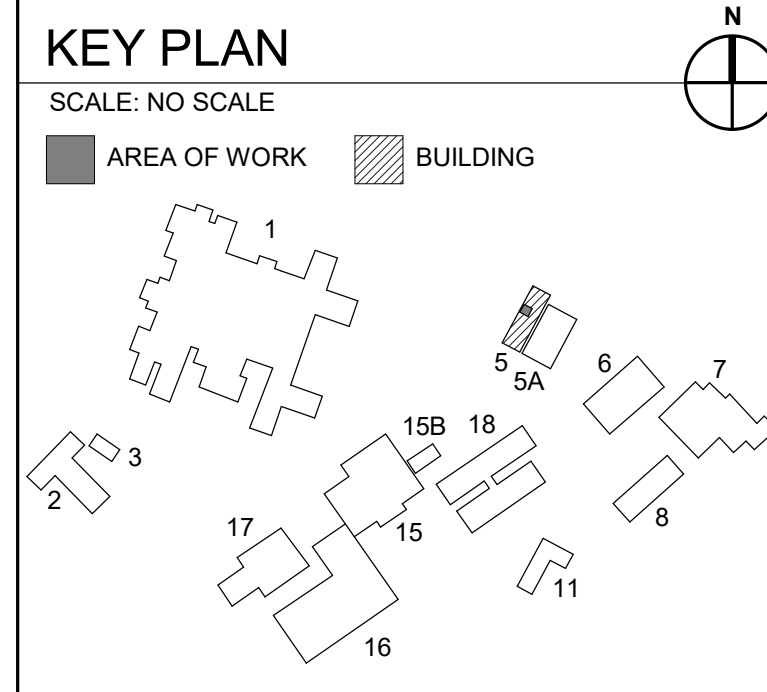
NOTE 1
HOISTWAY DOOR TO BE #4 BRUSHED STAINLESS STEEL, GRAIN VERTICAL.

NOTE 2
SEE SPECIFICATION SECTION 05 59 00 FOR RE-SANDING AND REFINISHING OF JAMBS. HEAD PIECE TO BE REFINISHED. PLASTIC BARRIER TO BE IN PLACE PRIOR TO ANY SANDING OR REFINISHING TECHNIQUES.

- SHEET NOTES:**
- A. CONTRACTOR TO PROTECT WORK TO REMAIN FROM DAMAGE DURING DEMOLITION.
 - B. ALL CONSTRUCTION DEBRIS IS TO BE REMOVED FROM SITE EACH DAY AND DISPOSED OF PROPERLY PER CONTRACT REQUIREMENTS.
 - C. CONTRACTOR TO PROVIDE PROTECTIVE BARRIERS, WARNING SIGNS AND TEMPORARY PATHWAYS IN AREAS THAT WILL BE OPERATING DURING THE CONSTRUCTION PHASE.
 - D. PROVIDE DUST AND DEBRIS BARRIER IN ACCORDANCE WITH ICRA REQUIREMENT.
 - E. CONTRACTOR TO PATCH ANY WORK TO REMAIN THAT WAS DAMAGED DURING DEMOLITION TO MATCH EXISTING REMAINING.
 - F. CONTRACTOR TO ENSURE TO NOT DAMAGE RATED SHAFT WALLS OR FIRE / SMOKE RATED PARTITIONS. ANY RATED WALLS DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED PER RATED PARTITION REQUIREMENTS.
 - G. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY THE COR OF ANY CONFLICTS PRIOR TO PROCEEDING WITH DEMOLITION.
 - H. REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DOCUMENTS FOR RESPECTIVE DEMOLITION AND NEW WORK INFORMATION.
 - I. USE OF TEMPORARY ICRA BARRIERS, I.E. STARC WALL, TO BE USED IN ALL ELEVATOR LOBBIES. MUST USE MATCHING RATED WALL FOR ICRA BARRIERS. AT RATED CONDITIONS.

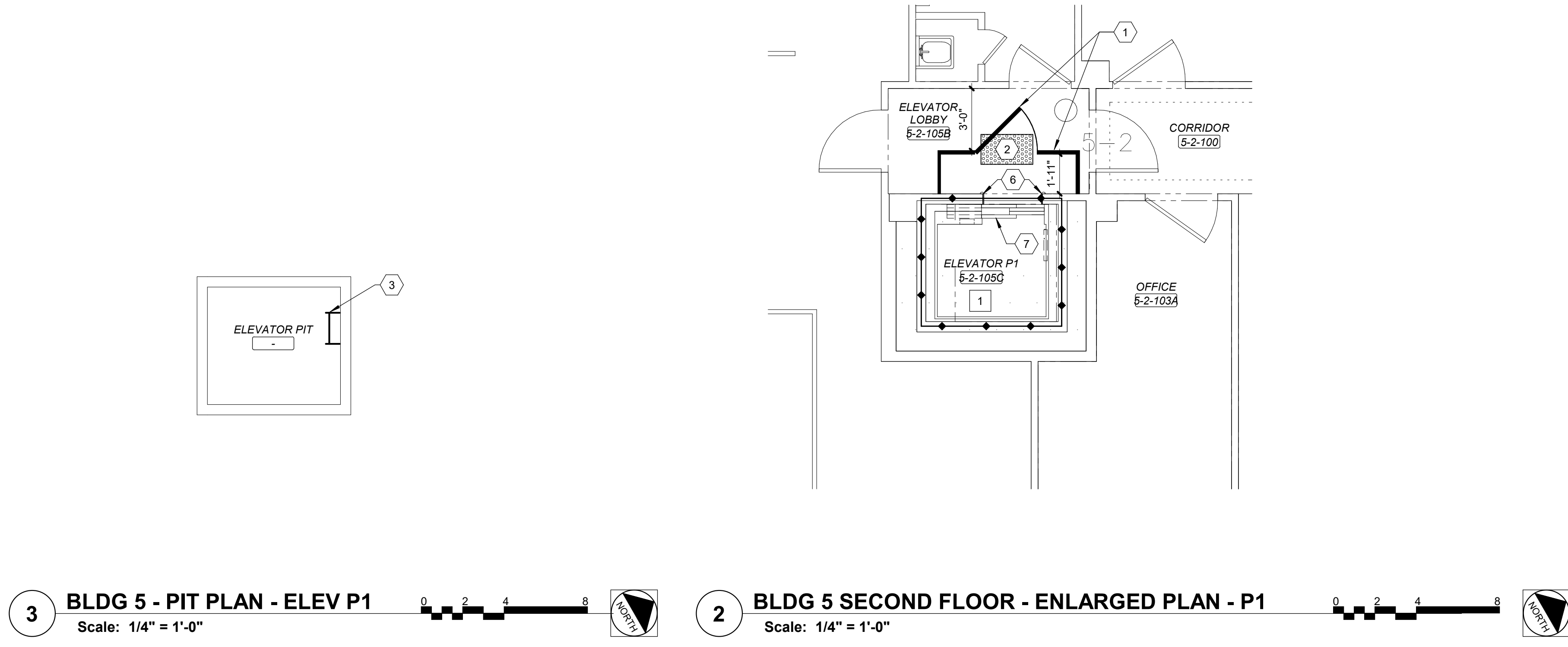
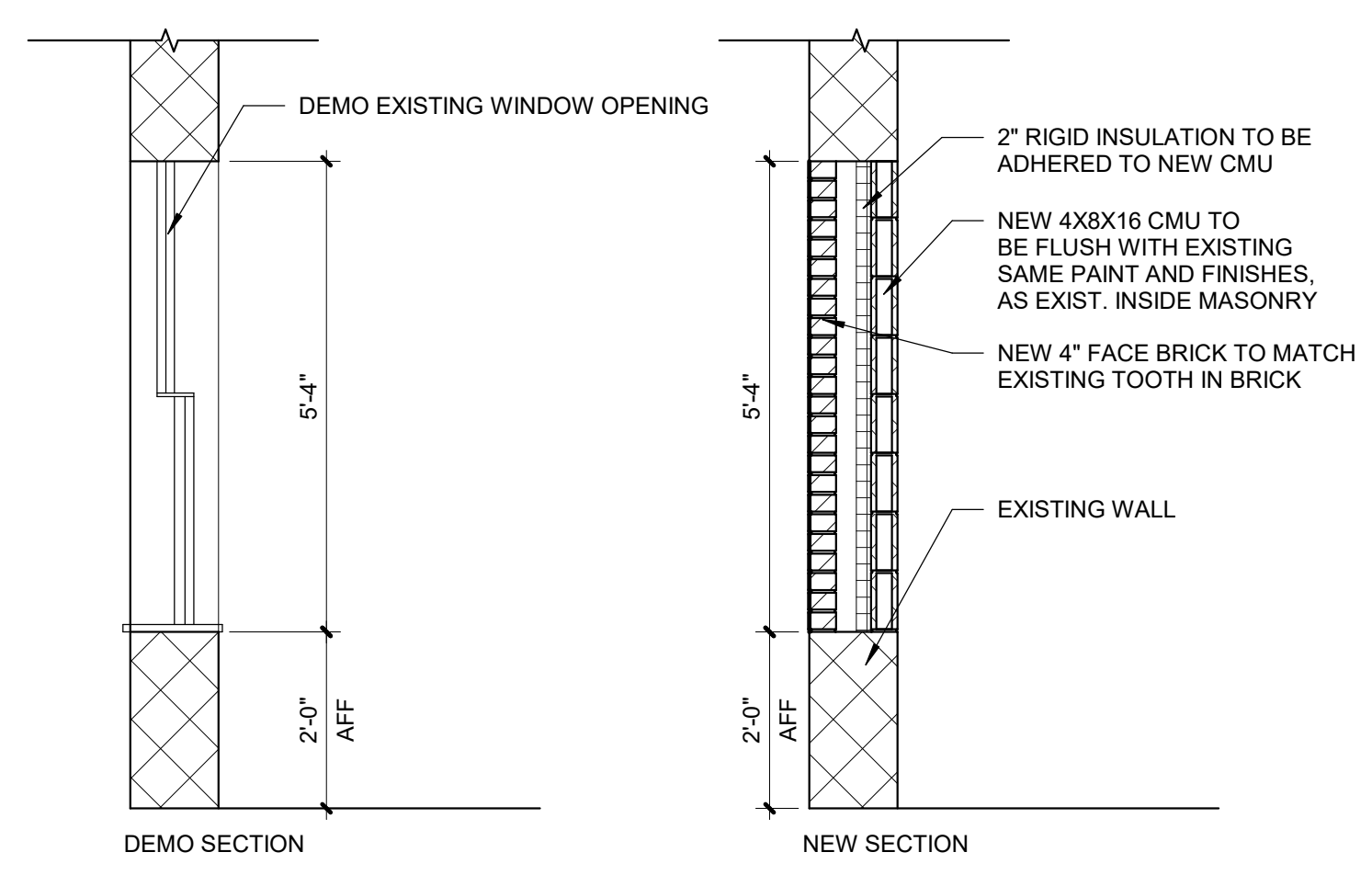
- KEY NOTES:**
- 1 REMOVE EXISTING FLOOR AND BASE
 - 2 DEMOLISH EXISTING WINDOW AND SILL
- KEY NOTES:**
- 1 TEMPORARY HARD BARRIER AND DOOR @ EACH FLOOR AND AT ALL ELEVATORS IN PHASE WHILE CHANGING OUT DOORS & RE-FINISHING JAMBS. SEE JAMB FINISH SCHEDULE
 - 2 PROVIDE STICKY MATS
 - 3 REPLACE PIT LADDER WITH NEW LADDER. SEE DETAIL 1/A-001
 - 4 ROOM TO RECEIVE ALL NEW FINISHES SEE ROOM FINISH SCHEDULE A-001
 - 5 PROVIDE ALL NEW EQUIPMENT AS PER DIVISION 14 SPECIFICATIONS
 - 6 ELEVATOR JAMBS - SEE JAMB FINISH SCHEDULE FOR FINISH OPTIONS
 - 7 INSTALL HOISTWAY DOORS AS PER DIVISION 14 SPECIFICATIONS
 - 8 FILL IN OPENING - 4" FACE BRICK TO MATCH EXISTING TOOTH IN NEW BRICK. 1" MIN AIR SPACE. 2" RIGID INSULATION ADHERED TO 4X8X16 CMU - INSIDE FACE TO BE FLUSH WITH EXISTING WALL INSIDE FACE 3'-8"Wx5'-4"H

- ICRA LEGEND**
- PLASTIC BARRIER
 - TEMPORARY DOOR
 - TEMPORARY BARRIER
 - STICKY MAT

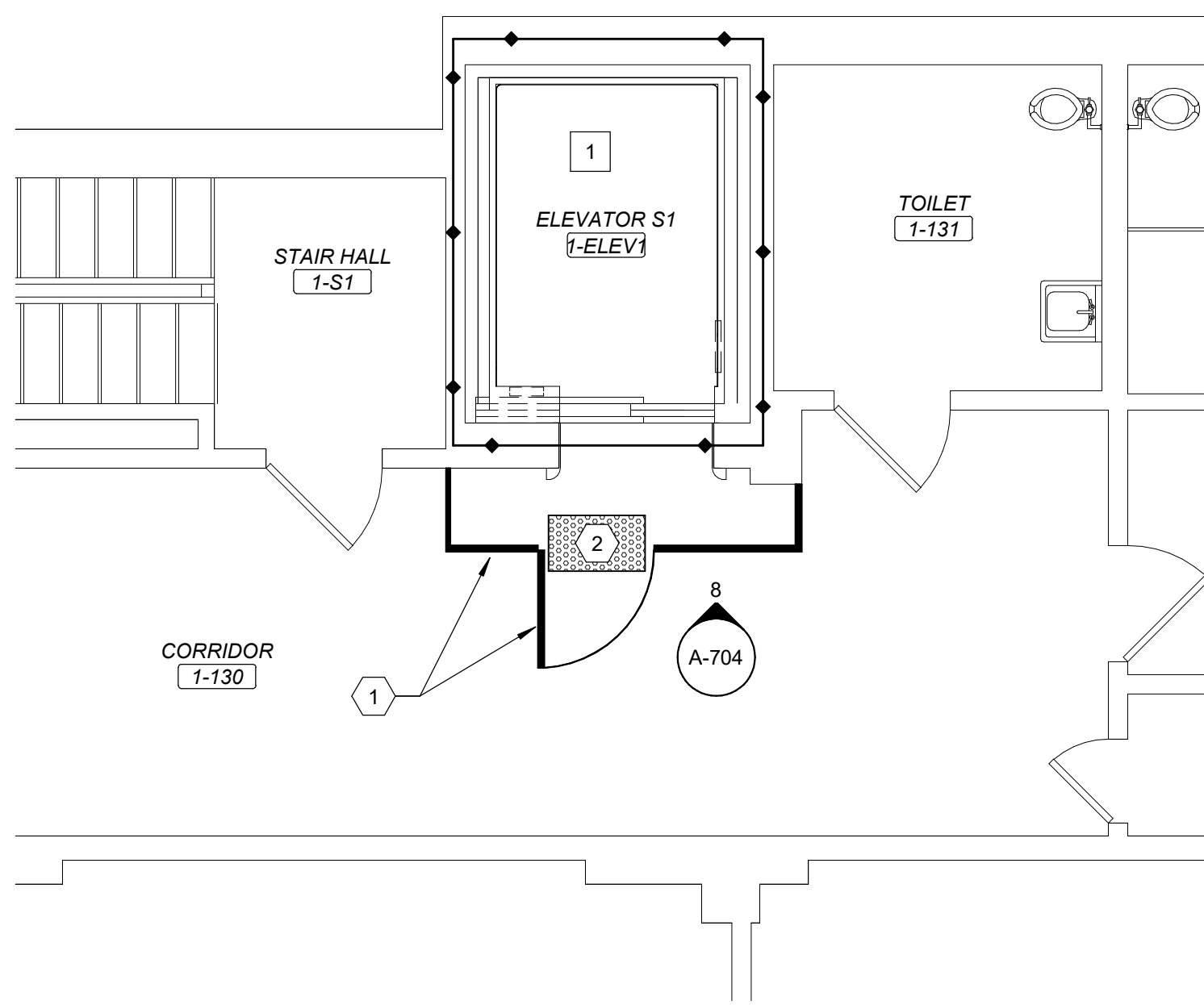


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100% CONSTRUCTION DOCUMENTS

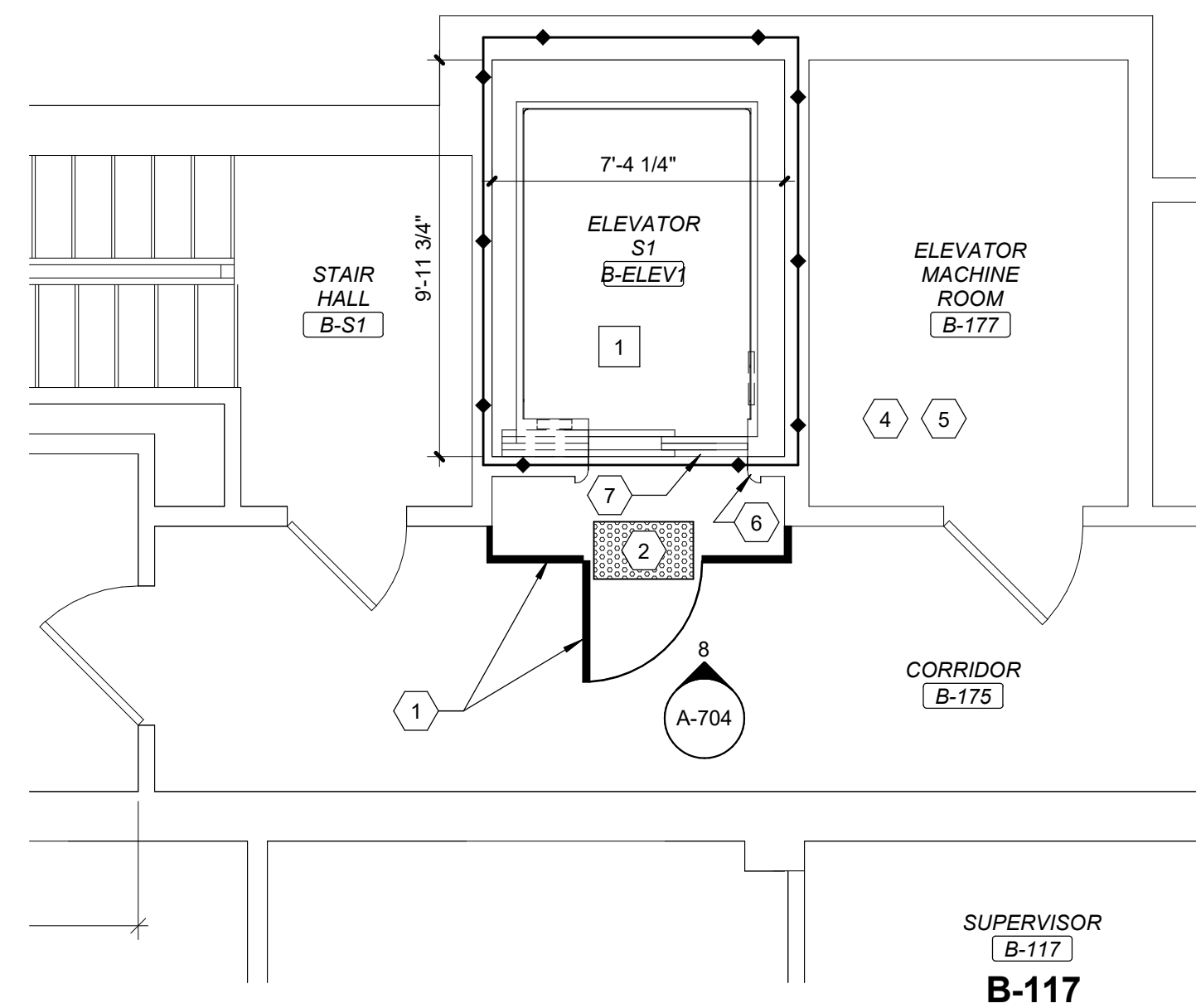
Project Title UPGRADE ELEVATORS PH2	VA PROJECT NUMBER 561-21-301
Approved	Building Number # 5
Date MAY 14, 2025	Checked WVS
Drawn CET	Drawing Number 5.A101
	Dwg 13 of 22



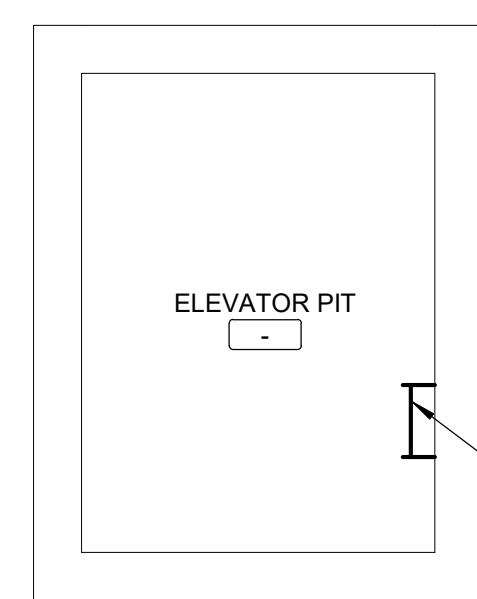
CONSULTANTS:							PROJECT MANAGER ACG Project Number 22-105 Apogee Consulting Group, P.A. Headquarters: 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420		Office of Construction and Facilities Management U.S. Department of Veterans Affairs		Drawing Title BLDG 5 - ELEV P1 Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Project Title UPGRADE ELEVATORS PH2 Approved Date MAY 14, 2025 Checked WVS Drawn CET		VA PROJECT NUMBER 561-21-301 Building Number # 5 Drawing Number 5.A101 Dwg 13 of 22	
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2 BLDG 7 FIRST FLOOR - ENLARGED PLAN - ELEV S1
Scale: 1/4" = 1'-0"



3 BLDG 7 BASEMENT FLOOR - ENLARGED PLAN - ELEV S1
Scale: 1/4" = 1'-0"



4 BLDG 7 - PIT PLAN - ELEV S1
Scale: 1/4" = 1'-0"



1 BLDG 7 - FIRST FLOOR
Scale: 1/8" = 1'-0"

JAMB FINISH SCHEDULE

LEVEL	ELEVATOR	REFINISH	PAINT	COMMENTS
B	S7	X		NOTE 1, NOTE 2
1	S7	X		NOTE 1, NOTE 2

NOTE 1
HOISTWAY DOOR TO BE #4 BRUSHED STAINLESS STEEL, GRAIN VERTICAL.

NOTE 2
SEE SPECIFICATION SECTION 05 59 00 FOR RE-SANDING AND REFINISHING OF JAMBS. HEAD PIECE TO BE REFINISHED. PLASTIC BARRIER TO BE IN PLACE PRIOR TO ANY SANDING OR REFINISHING TECHNIQUES.

SHEET NOTES:

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- VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY THE COR OF ANY CONFLICTS PRIOR TO PROCEEDING WITH DEMOLITION.
- REFER TO MECHANICAL, ELECTRICAL, AND TECHNOLOGY DOCUMENTS FOR RESPECTIVE DEMOLITION AND NEW WORK INFORMATION.
- USE OF TEMPORARY ICRA BARRIERS, I.E. STARC WALL, TO BE USED IN ALL ELEVATOR LOBBIES. MUST USE MATCHING RATED WALL FOR ICRA BARRIERS. AT RATED CONDITIONS.

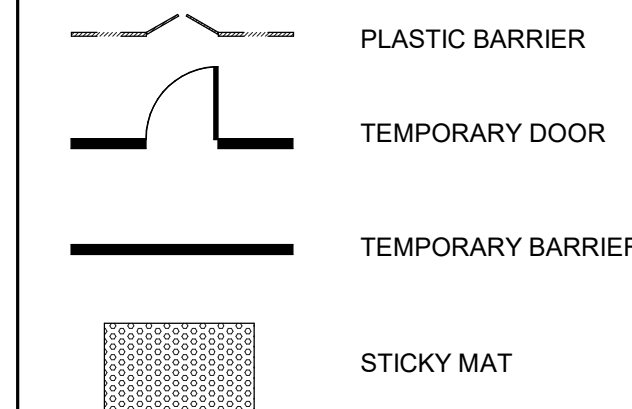
KEY NOTES:

- REMOVE EXISTING PIT LADDER

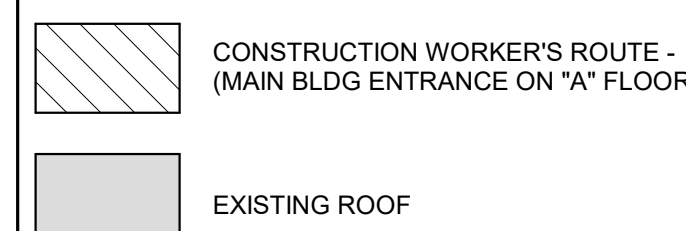
KEY NOTES:

- TEMPORARY HARD BARRIER AND DOOR @ EACH FLOOR AND AT ALL ELEVATORS IN PHASE WHILE CHANGING OUT DOORS & RE-FINISHING JAMBS. SEE JAMB FINISH SCHEDULE
- PROVIDE STICKY MATS
- REPLACE PIT LADDER WITH NEW SEE LADDER DETAIL 1/A-001.
- ROOM TO RECEIVE ALL NEW FINISHES SEE ROOM FINISH SCHEDULES A-001
- PROVIDE ALL NEW EQUIPMENT AS PER DIVISION 14 SPECIFICATIONS.
- ELEVATOR JAMBS - SEE JAMB FINISH SCHEDULE FOR FINISH OPTIONS
- INSTALL HOISTWAY DOORS AS PER DIVISION 14 SPECIFICATIONS

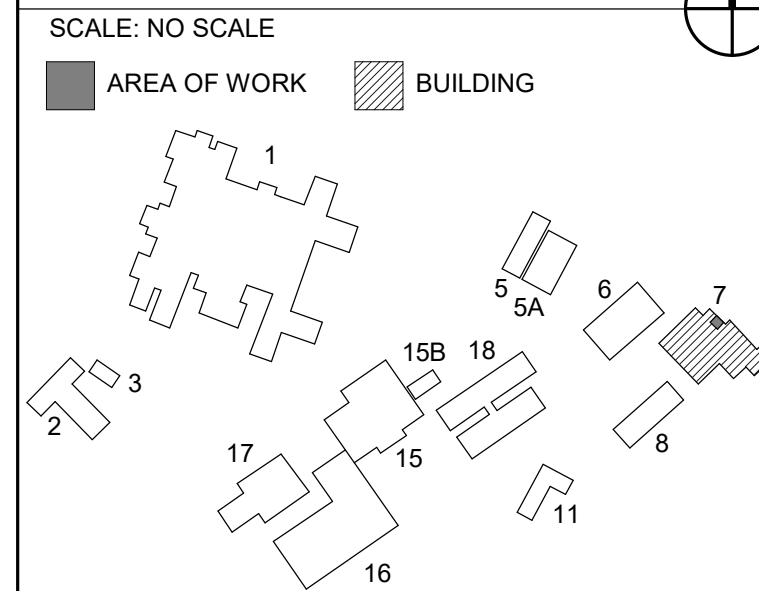
ICRA LEGEND



LEGEND

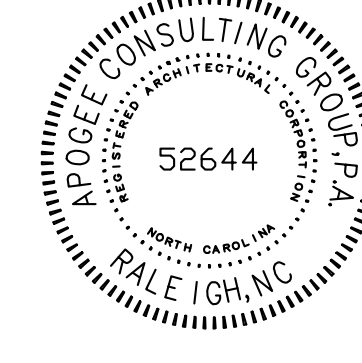


KEY PLAN



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CONSULTANTS:



PROJECT MANAGER

Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511
www.acg-pa.com 919-858-7420

Office of
Construction
and Facilities
Management



Drawing Title
BLDG 7 - ELEV S1

Location
NEW JERSEY VA MEDICAL CENTER -
EAST ORANGE CAMPUS
385 TREMONT AVE
EAST ORANGE, NJ 07018

Project Title
UPGRADE ELEVATORS PH2

Approved

Date
MAY 14, 2025

Checked
WVS

Drawn
CET

VA PROJECT NUMBER
561-21-301

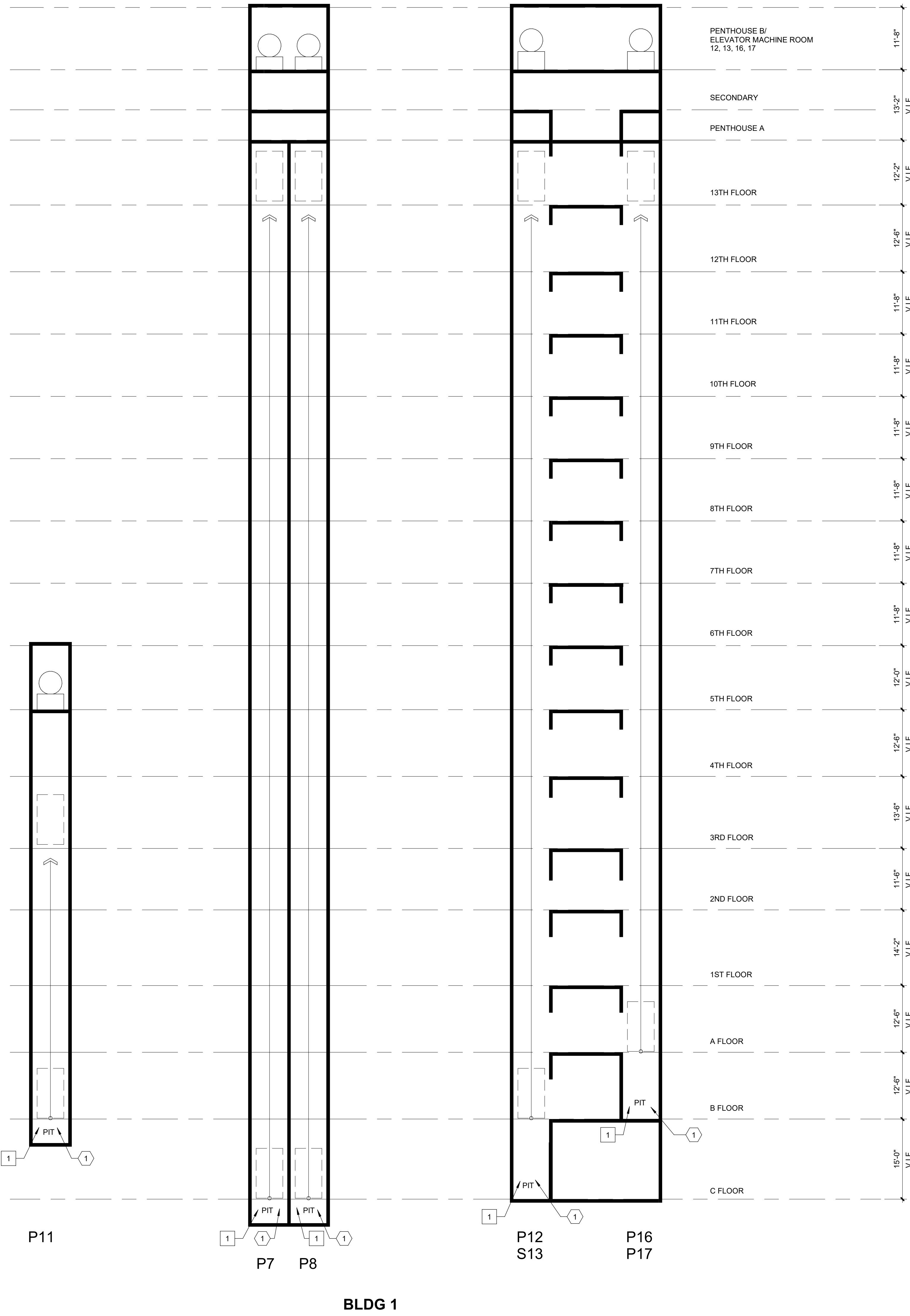
Building Number
7

Drawing Number

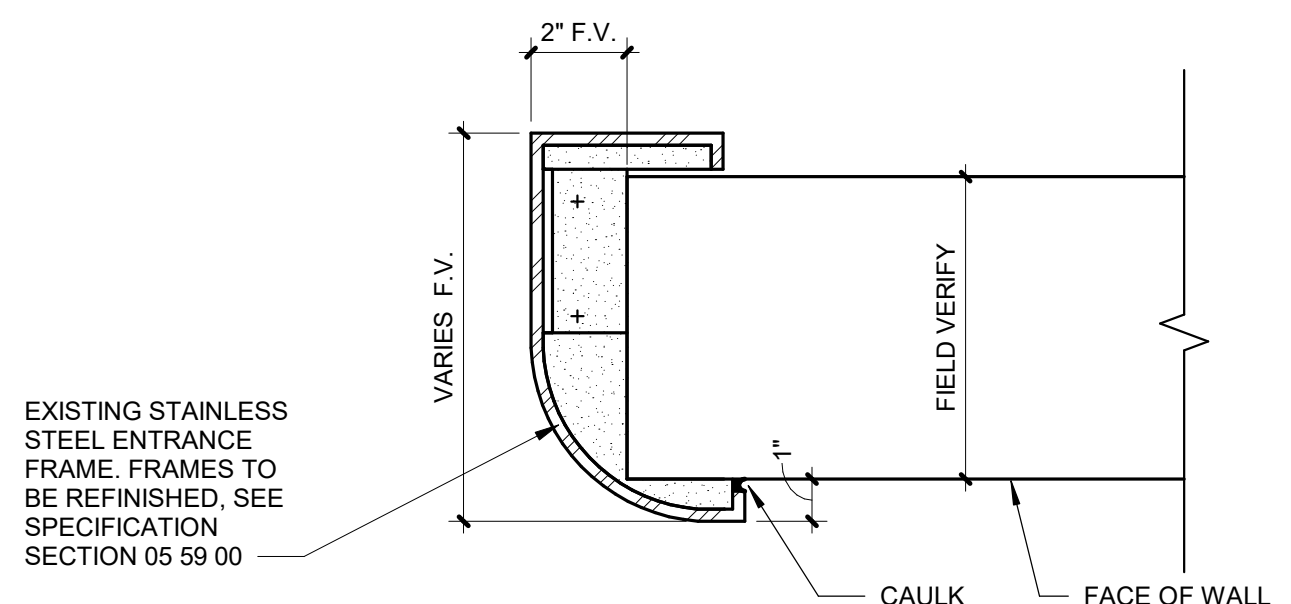
7.A101

Dwg 14 of 22

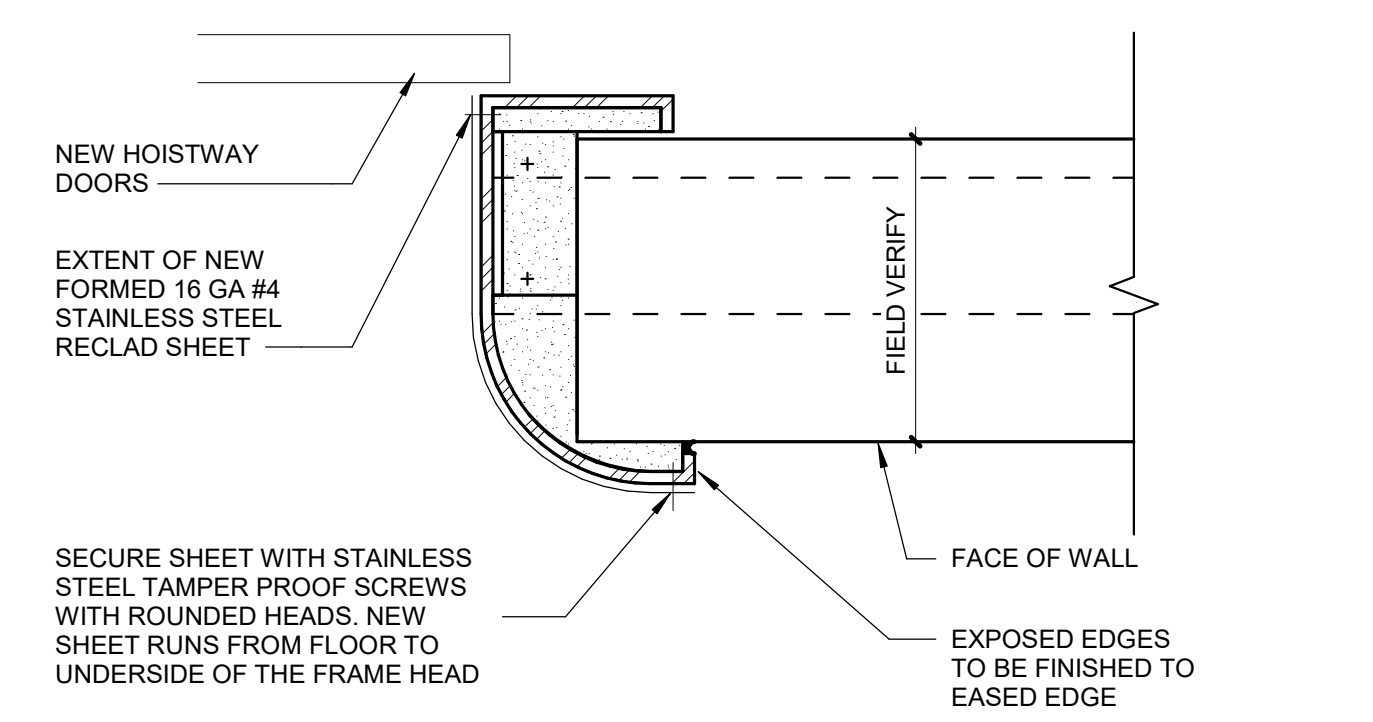
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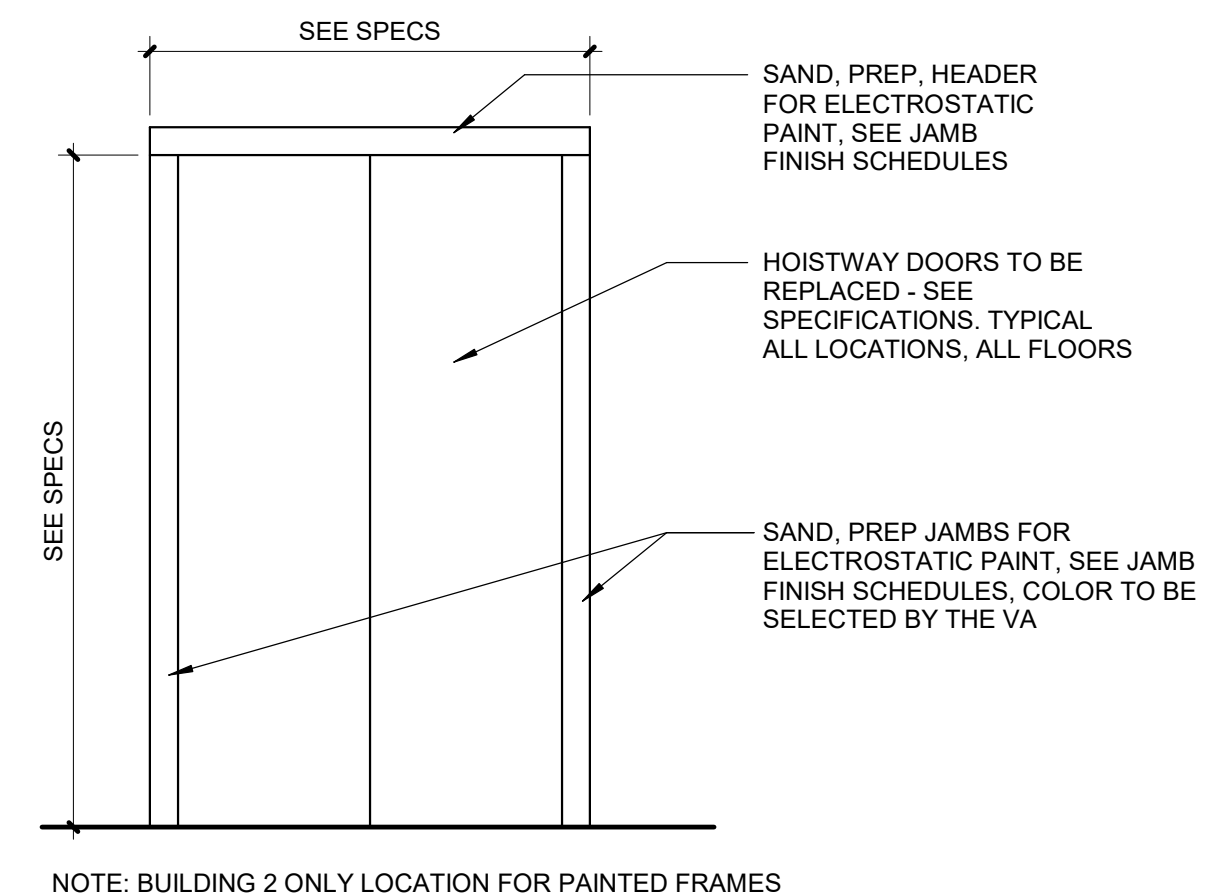
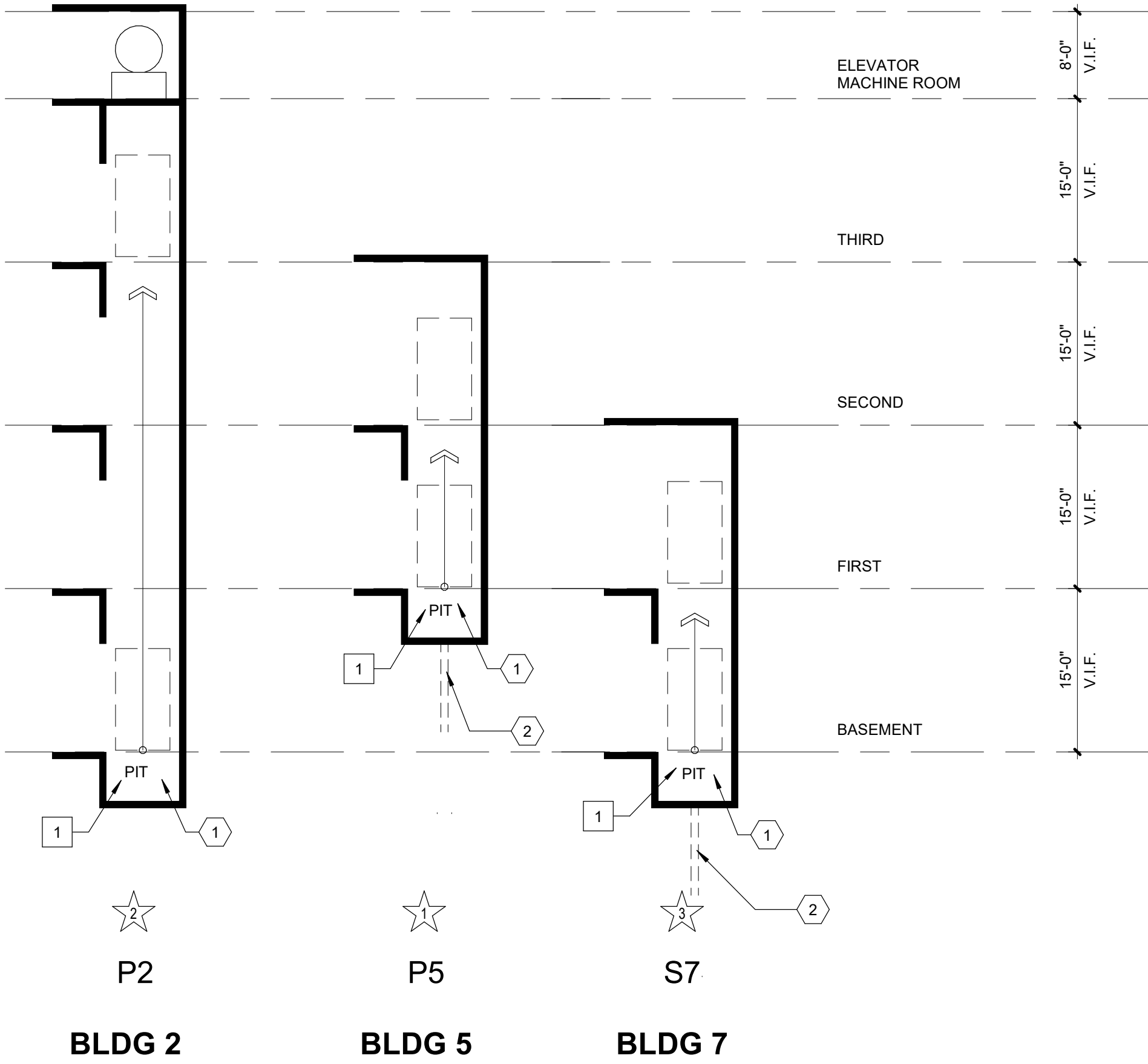
6 ELEVATORS - SCHEMATIC SECTIONS
Scale: 3/32" = 1'-0"



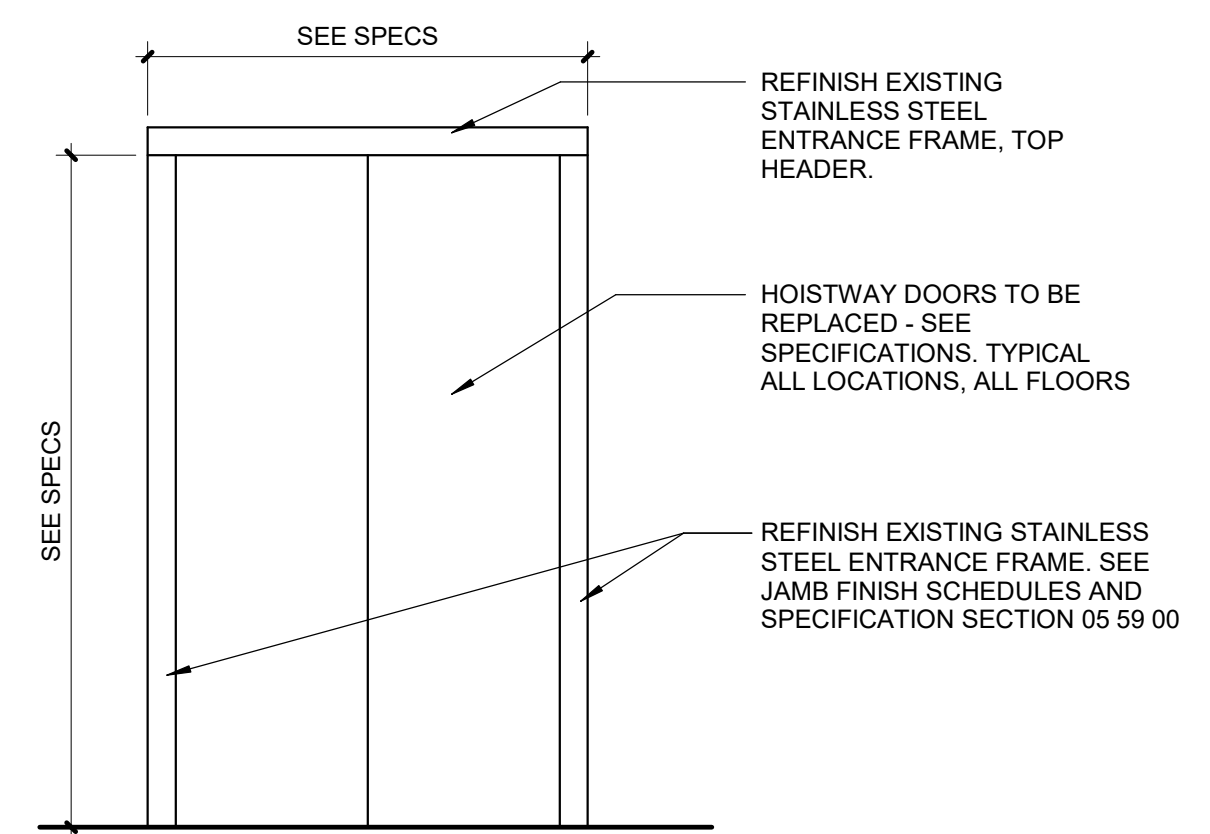
4 EXISTING JAMB DETAIL (REFINISH)
Scale: 3" = 1'-0"



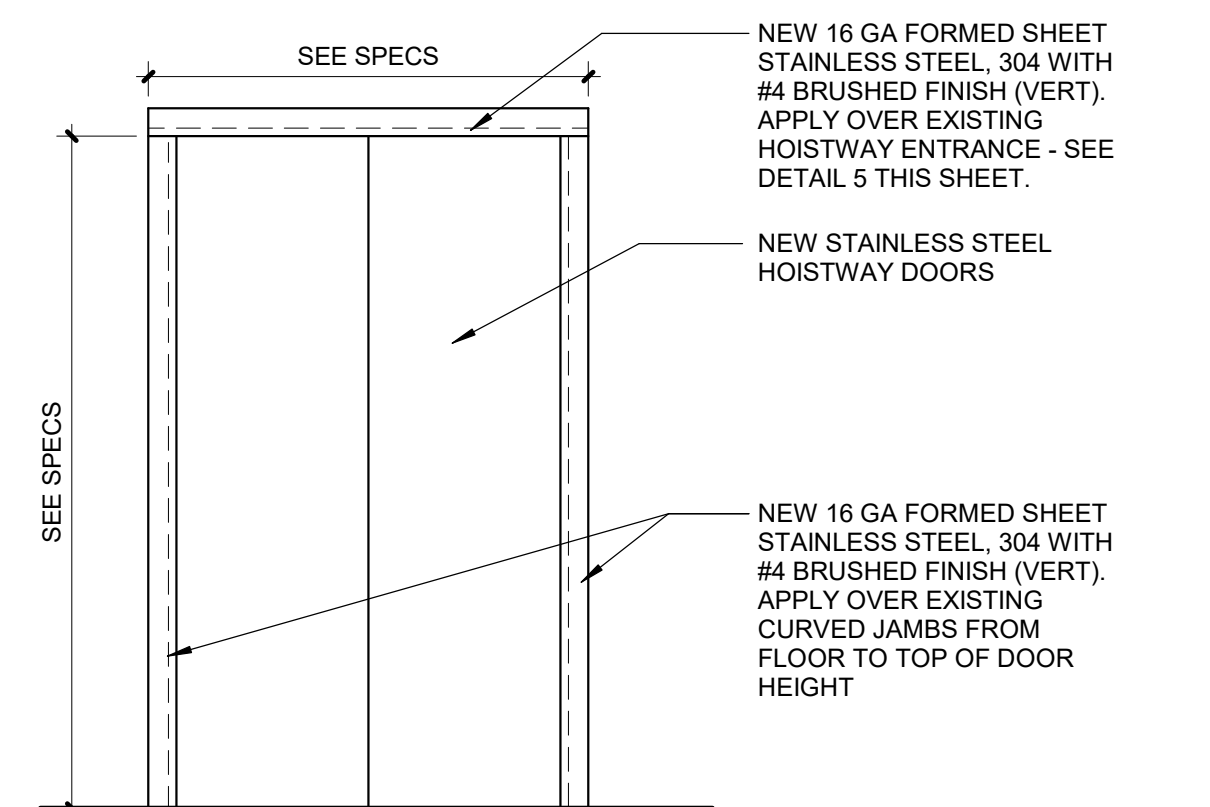
5 NEW CURVED JAMB DETAIL (RECLAD)
Scale: 3" = 1'-0"



1 TYPICAL DOOR ELEVATION - FRAME PAINTED
Scale: 1/2" = 1'-0"



2 TYPICAL DOOR ELEVATION - FRAME REFINISH
Scale: 1/2" = 1'-0"



3 TYPICAL DOOR ELEVATION - FRAME RECLAD
Scale: 1/2" = 1'-0"

- SHEET NOTES:**
- A. CONTRACTOR TO PROTECT WORK TO REMAIN FROM DAMAGE DURING DEMOLITION.
 - B. ALL CONSTRUCTION DEBRIS IS TO BE REMOVED FROM SITE EACH DAY AND DISPOSED OF PROPERLY PER CONTRACT REQUIREMENTS.
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 - I. SPRINKLER HEADS TO BE TURNED UP DURING CONSTRUCTION WHERE CEILINGS HAVE BEEN REMOVED.
 - J. USE OF TEMPORARY ICRA BARRIERS, I.E. STARC WALL, TO BE USED IN ALL ELEVATOR LOBBIES. MUST USE MATCHING RATED WALL FOR ICRA BARRIERS. AT RATED CONDITIONS.

- KEY NOTES:**
- 1 REMOVE EXISTING PIT LADDER

- KEY NOTES:**
- 1 INSTALL NEW PIT LADDER - SEE SHEET A-001. COORDINATE LOCATION WITH ELEVATOR CONTRACTOR FOR CODE COMPLIANCE. SHOP DRAWINGS REQUIRED SHOWING LOCATION PER ELEVATOR
 - 2 HOLED HYDRAULIC CYLINDER

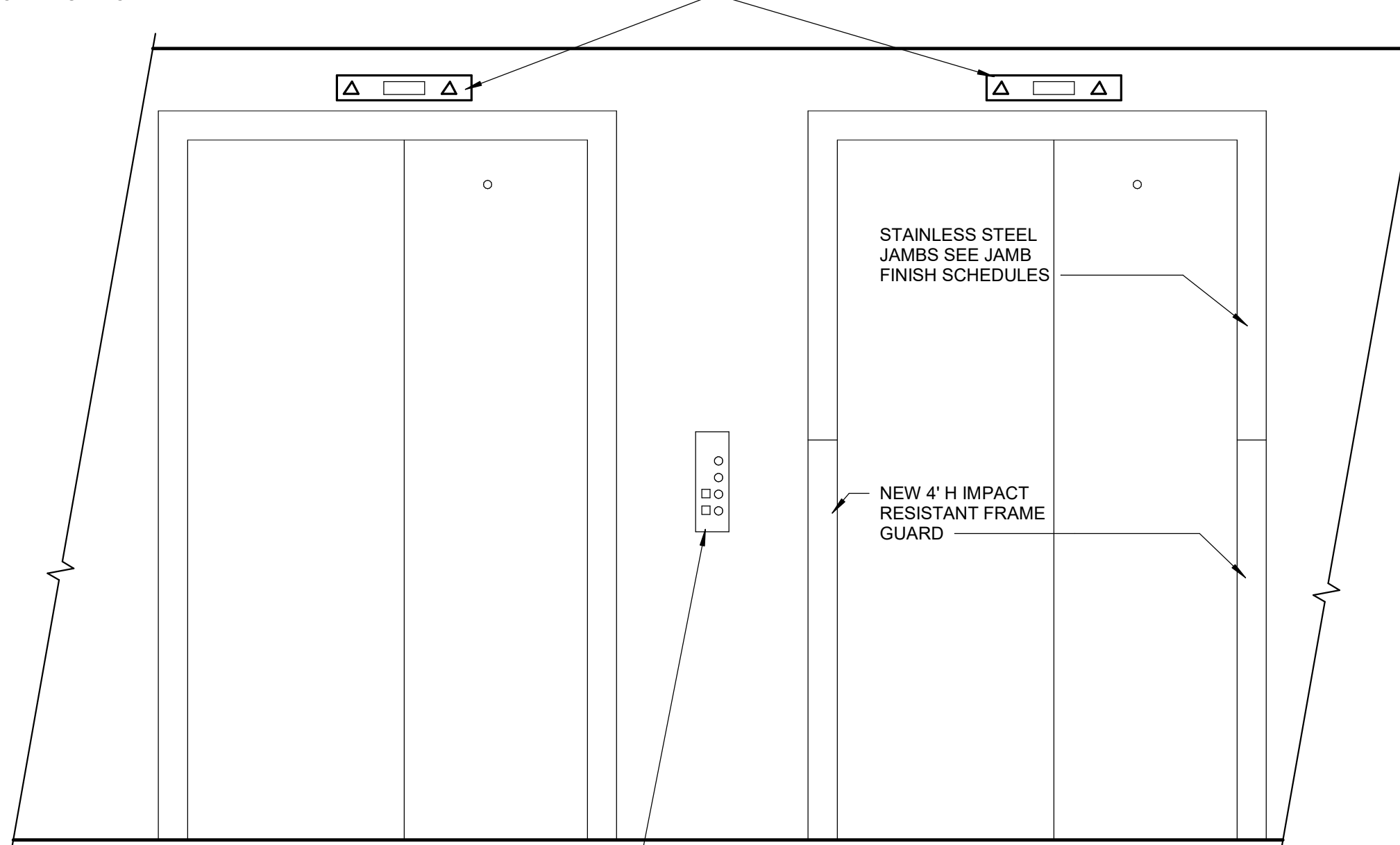
FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

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7 BLDG 1 EXIST. SERVICE ELEVATOR CAB PHOTO FOR REFERENCE (S13)
Scale: No Scale

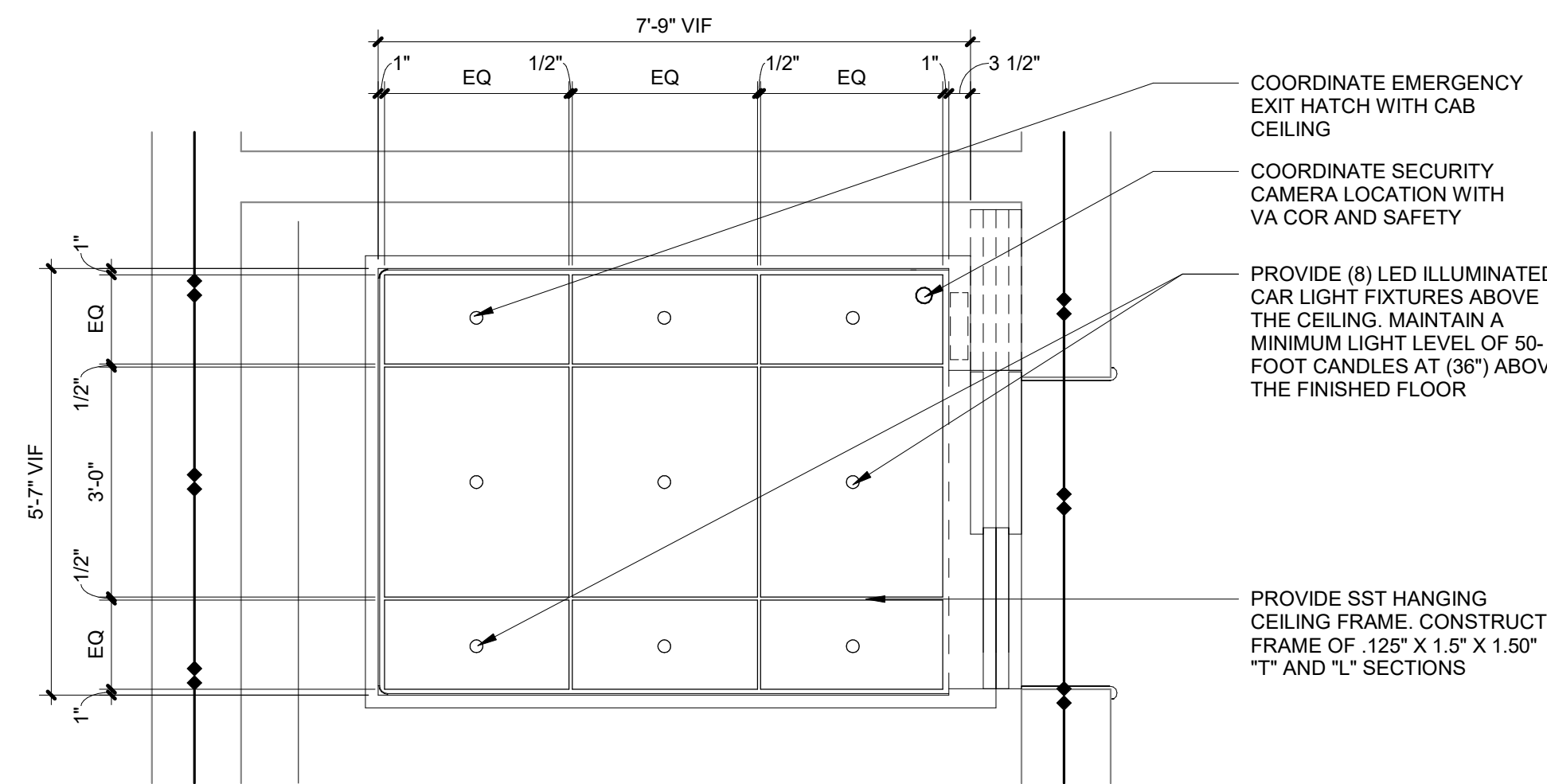
NEW HALL LANTERN AS PER DIVISION 14 SPECIFICATIONS. PROVIDE STAINLESS STEEL CHANNEL TRIM AS REQUIRED TO FINISH OUT NEW COVER PLATE WHERE NEW SIZE MAY BE SMALLER THAN EXISTING BACKPLATE. PATCH PAINT TO MATCH ADJACENT SURFACE.



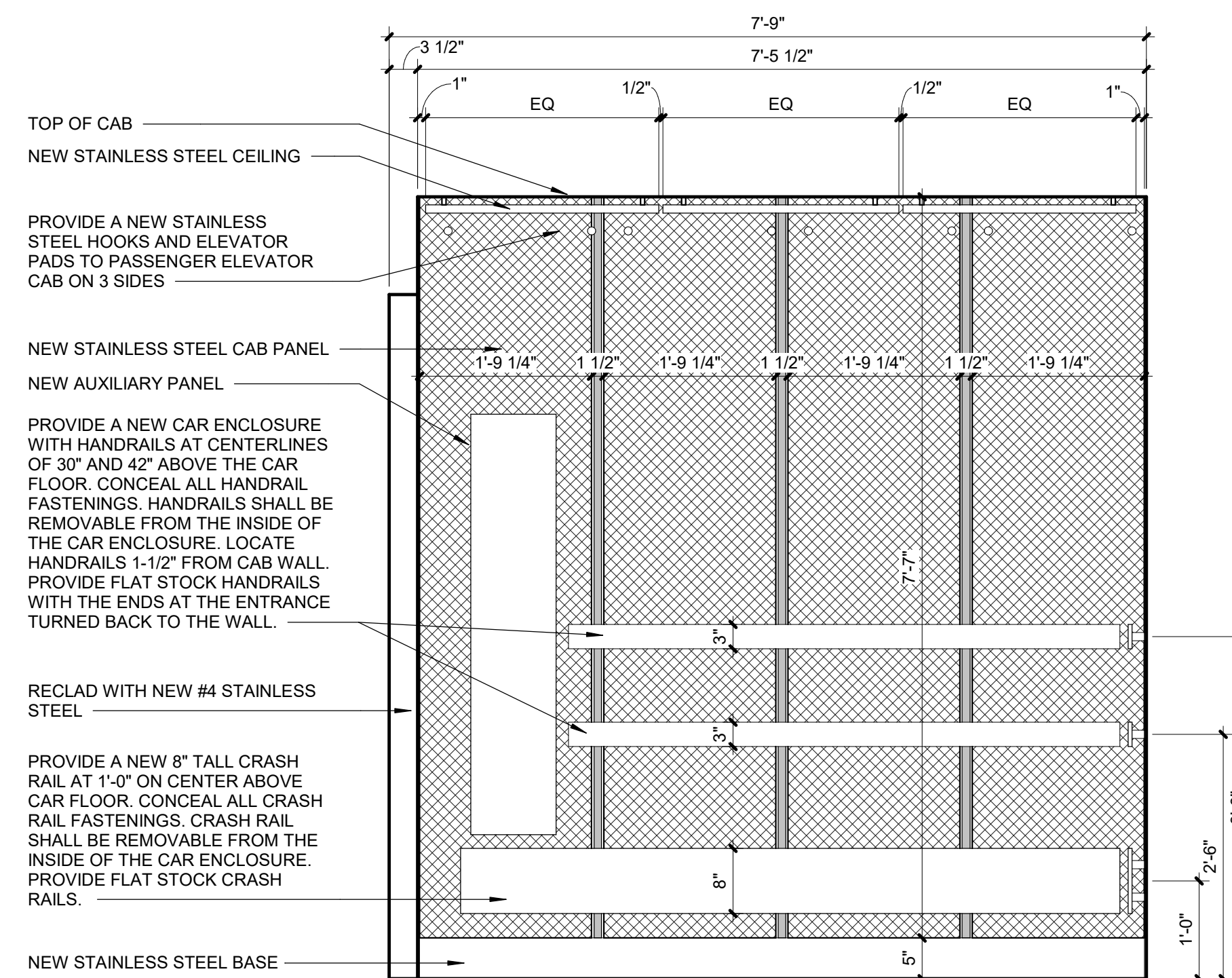
NEW CALL BUTTONS AS PER DIVISION 14 SPECIFICATIONS. PROVIDE STAINLESS STEEL CHANNEL TRIM AS REQUIRED TO FINISH OUT NEW COVER PLATE WHERE NEW SIZE MAY BE SMALLER THAN EXISTING BACKPLATE. PATCH PAINT TO MATCH ADJACENT SURFACE.

NOTE: INSTALL JAMB PROTECTION ALL FLOORS - S13 ONLY

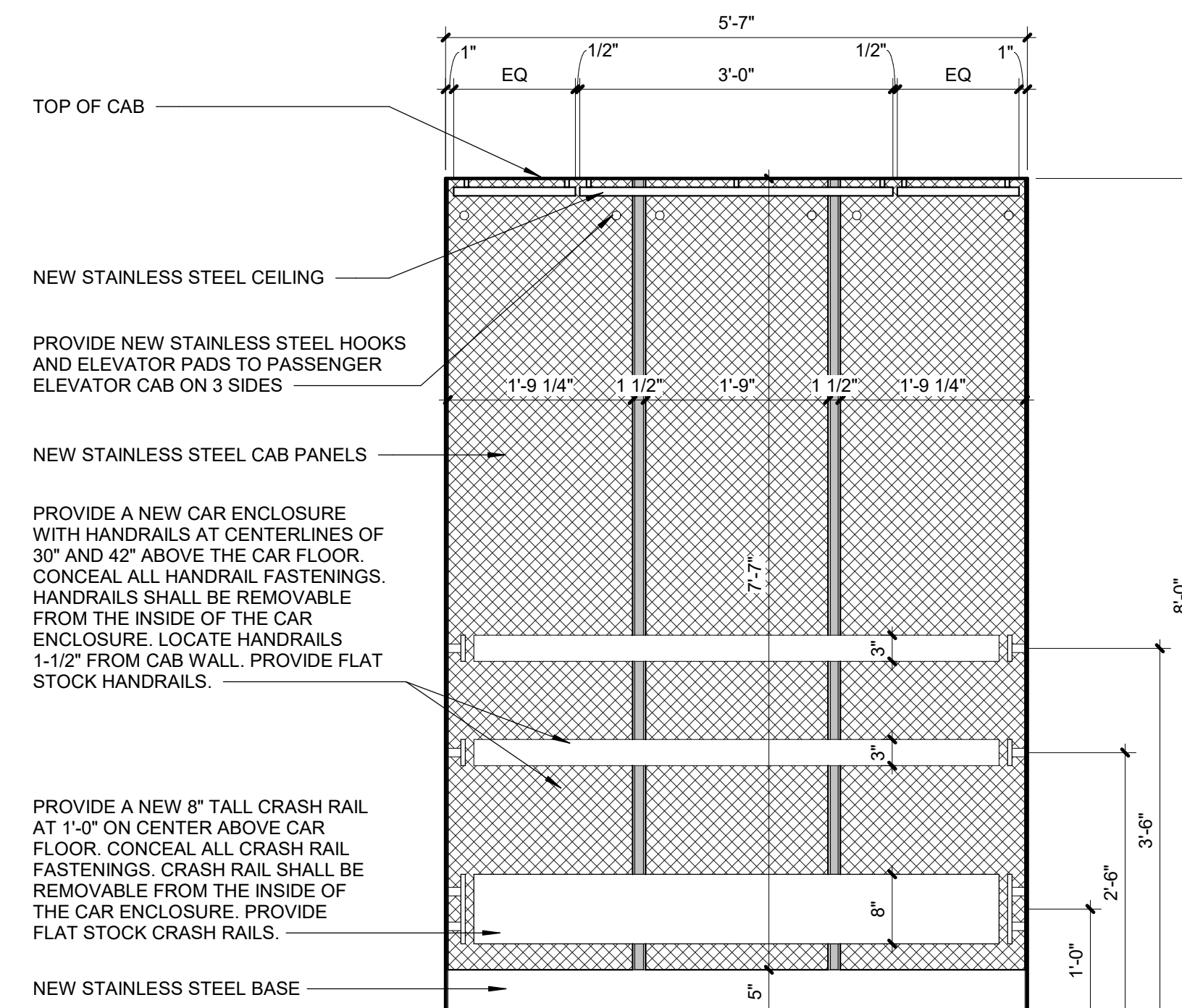
8 TYPICAL CORRIDOR CALL BUTTON AND HALL LANTERN ELEVATION (S13 & P12)
Scale: 3/4" = 1'-0"



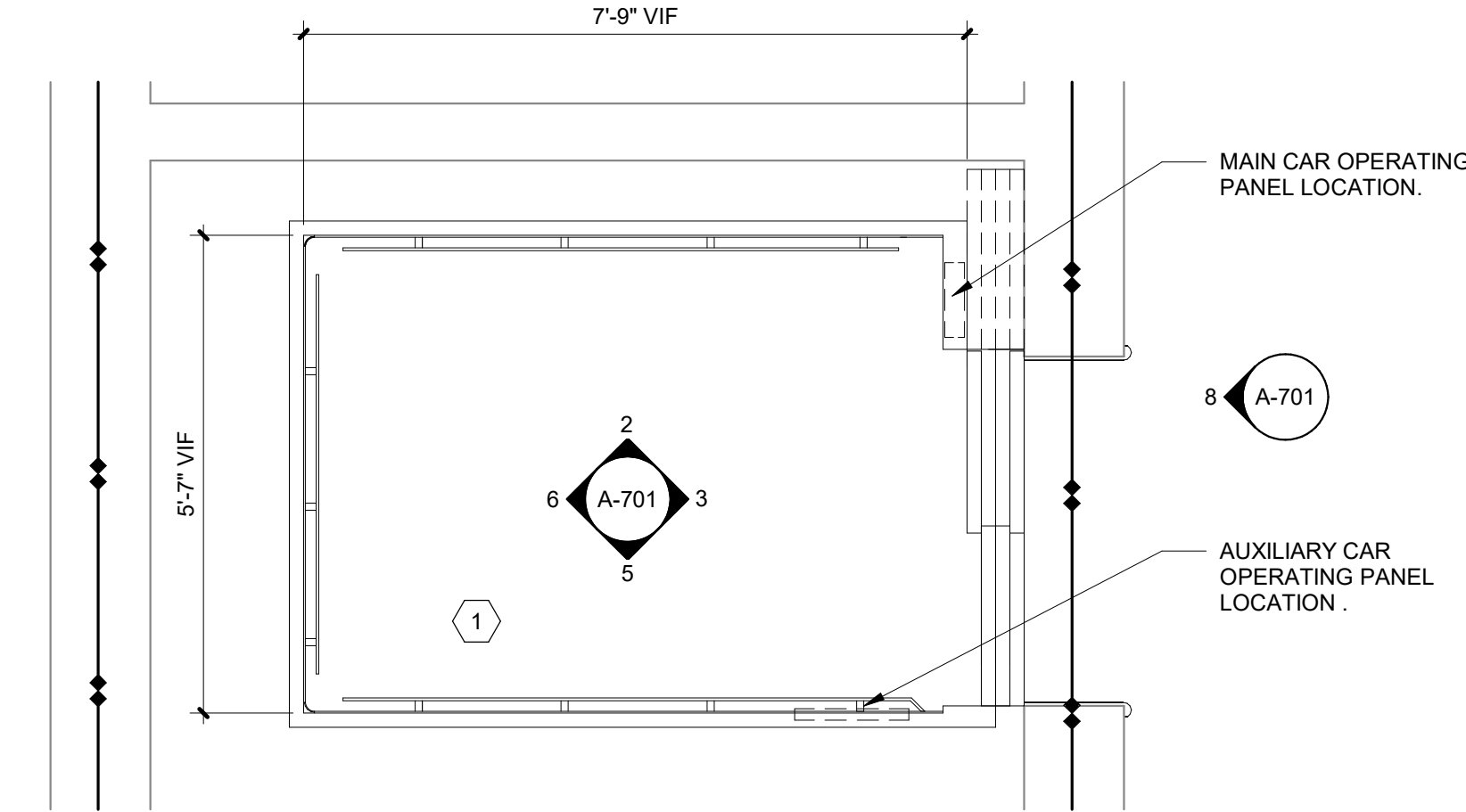
4 BUILDING 1 SERVICE ELEVATOR CAB RCP (S13)
Scale: 1/2" = 1'-0"



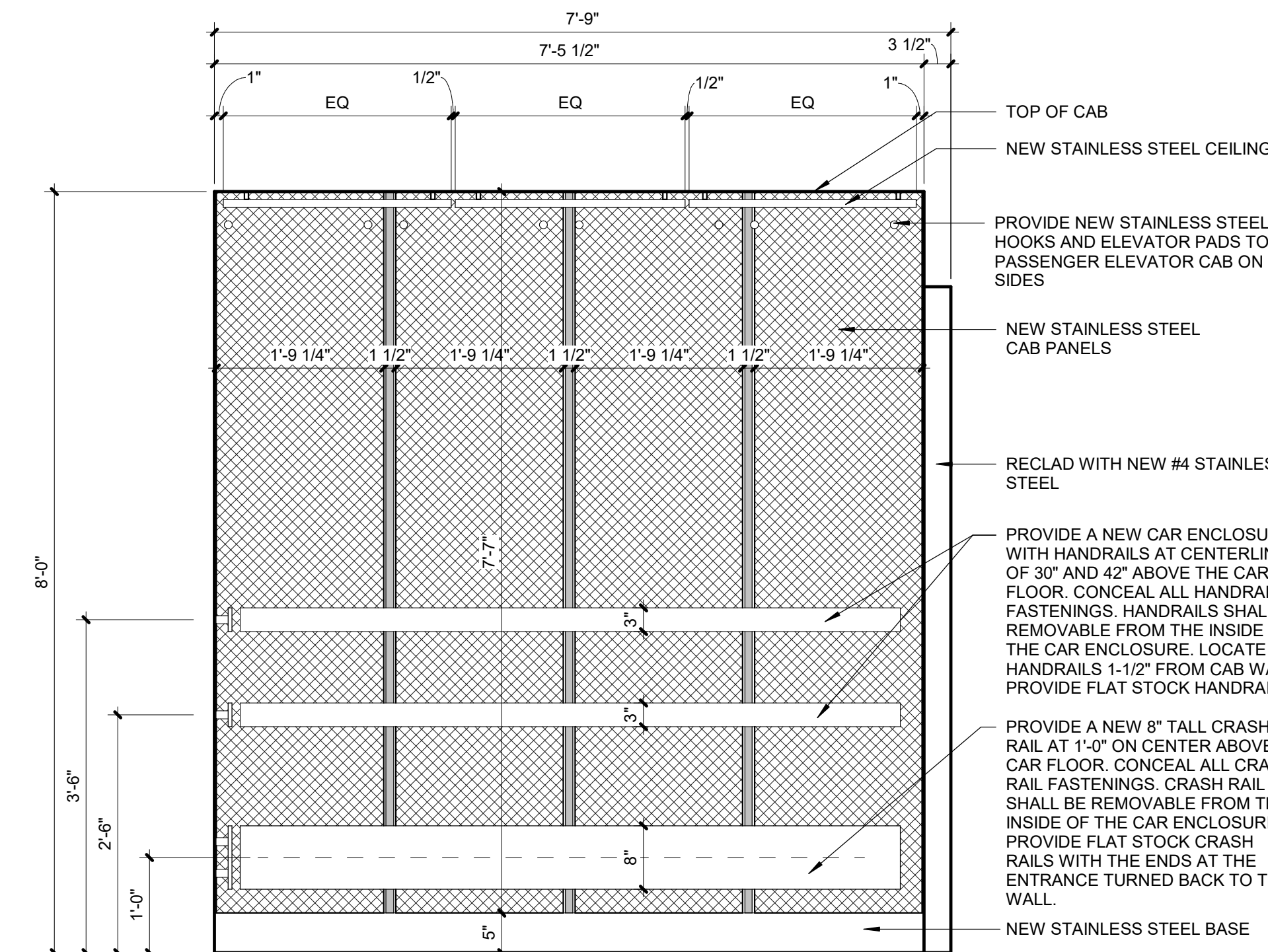
5 SERVICE ELEVATOR CAB EAST SIDE INTERIOR ELEVATION (S13)
Scale: 3/4" = 1'-0"



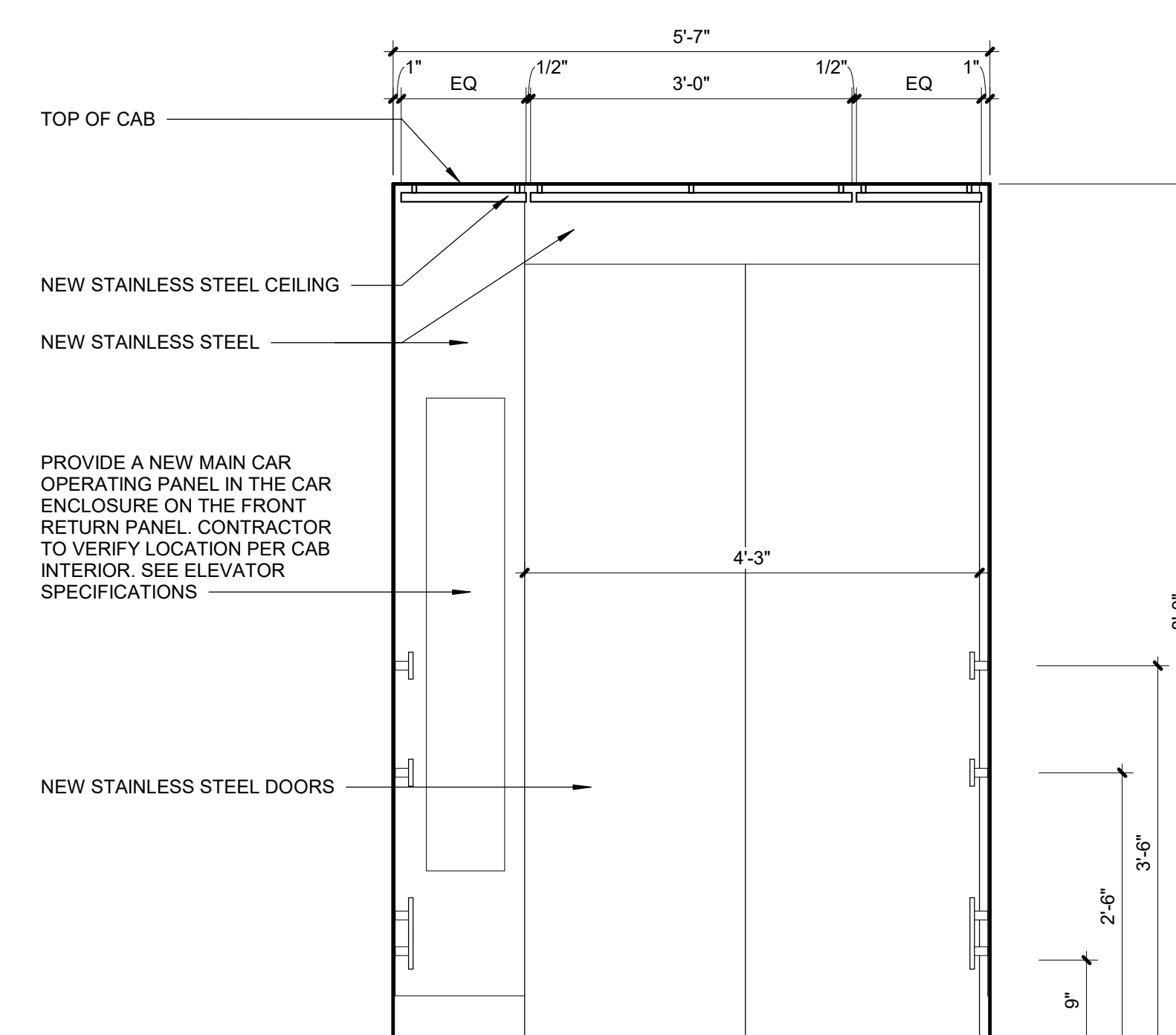
6 SERVICE ELEVATOR CAB REAR INTERIOR ELEVATION (S13)
Scale: 3/4" = 1'-0"



1 BUILDING 1 SERVICE ELEVATOR CAB PLAN (S13)
Scale: 1/2" = 1'-0"



2 SERVICE ELEVATOR CAB WEST SIDE INTERIOR ELEVATION (S13)
Scale: 3/4" = 1'-0"



3 BUILDING 1 SERVICE ELEVATOR CAB FRONT INTERIOR ELEVATION (S13)
Scale: 3/4" = 1'-0"

SHEET NOTES:

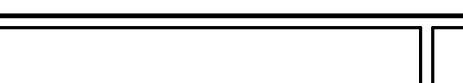
- A. ALL ELECTRICAL WORK REQUIRED BY THIS MODIFICATION IS THE RESPONSIBILITY OF THE ELEVATOR CONTRACTOR. IF ANY WORK REQUIRES A LICENSED ELECTRICIAN, THIS SHALL BE INCLUDED IN THE RESPONSIBILITY OF THE ELEVATOR COMPANY TO RETAIN AND PROVIDE SUCH AN INDIVIDUAL IF NECESSARY. NO WORK IS PROJECTED TO BE REQUIRED UPSTREAM OF THE MAIN LINE ELEVATOR POWER OR UPSTREAM OF THE ELEVATOR CAB LIGHTS DISCONNECT.
- B. SEE ELEVATOR SCHEDULE ON SHEET A-001 FOR MORE INFORMATION.

KEY NOTES:

- 1 ALUMINUM DIAMOND PLATE FLOORING, DP-1

FULLY SPRINKLERED

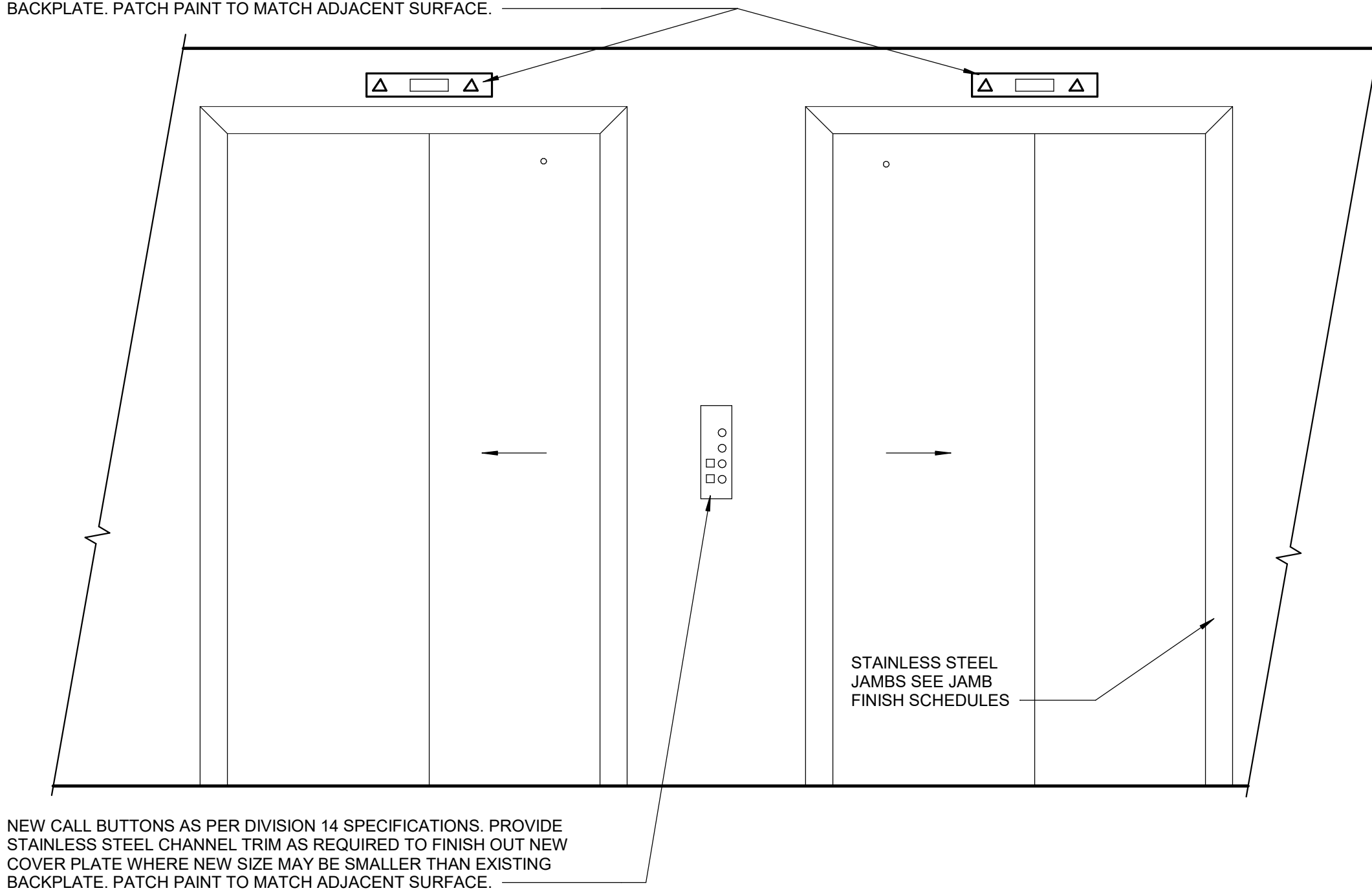
100% CONSTRUCTION DOCUMENTS

			CONSULTANTS:						PROJECT MANAGER		ACG Project Number 22-105		Office of Construction and Facilities Management		Drawing Title BUILDING 1 SERVICE ELEVATOR S13 PLAN, RCP AND ELEVATIONS		Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301	
									Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511				VA		NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number # 1	
									www.acg-pa.com 919-858-7420				U.S. Department of Veterans Affairs		Location		Date MAY 14, 2025		Drawing Number A-701	
																	Checked WVS / JK		Dwg 16 of 22	
																	Drawn CET			

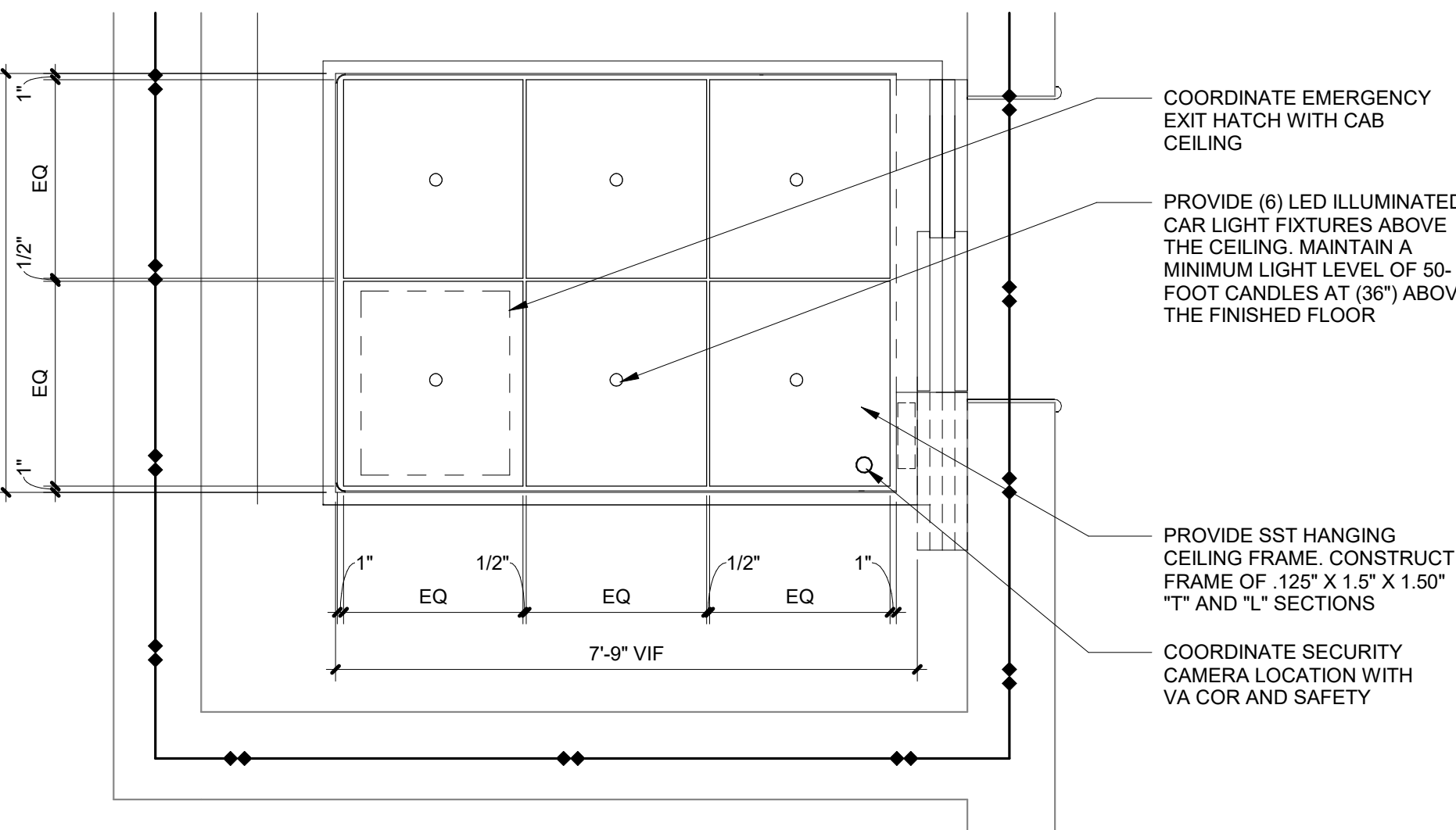


7 BUILDING 1 EXIST. ELEVATOR CAB PHOTO FOR REFERENCE (P12, P16, & P17)
Scale: No Scale

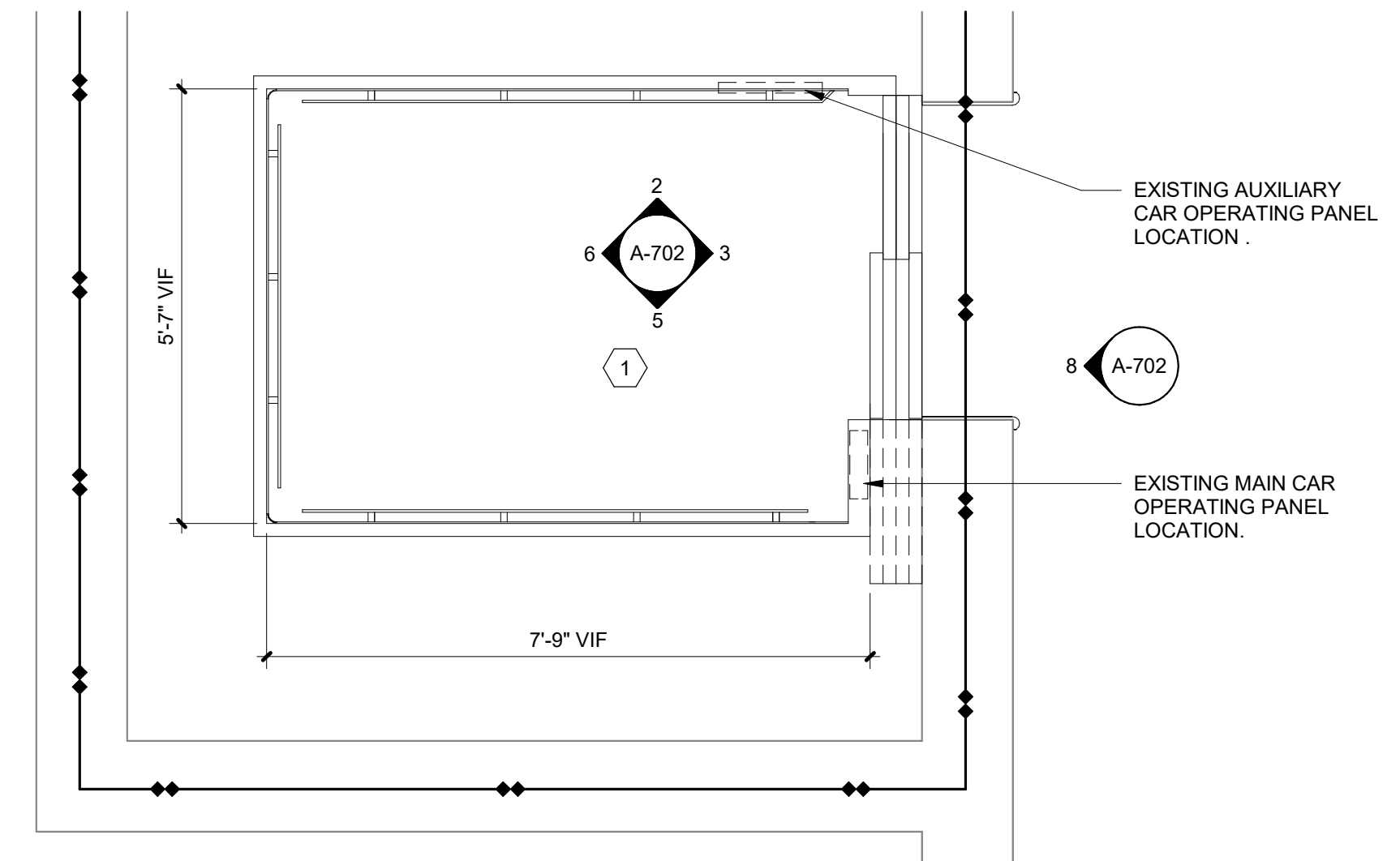
NEW HALL LANTERN AS PER DIVISION 14 SPECIFICATIONS. PROVIDE STAINLESS STEEL CHANNEL TRIM AS REQUIRED TO FINISH OUT NEW COVER PLATE WHERE NEW SIZE MAY BE SMALLER THAN EXISTING BACKPLATE. PATCH PAINT TO MATCH ADJACENT SURFACE.



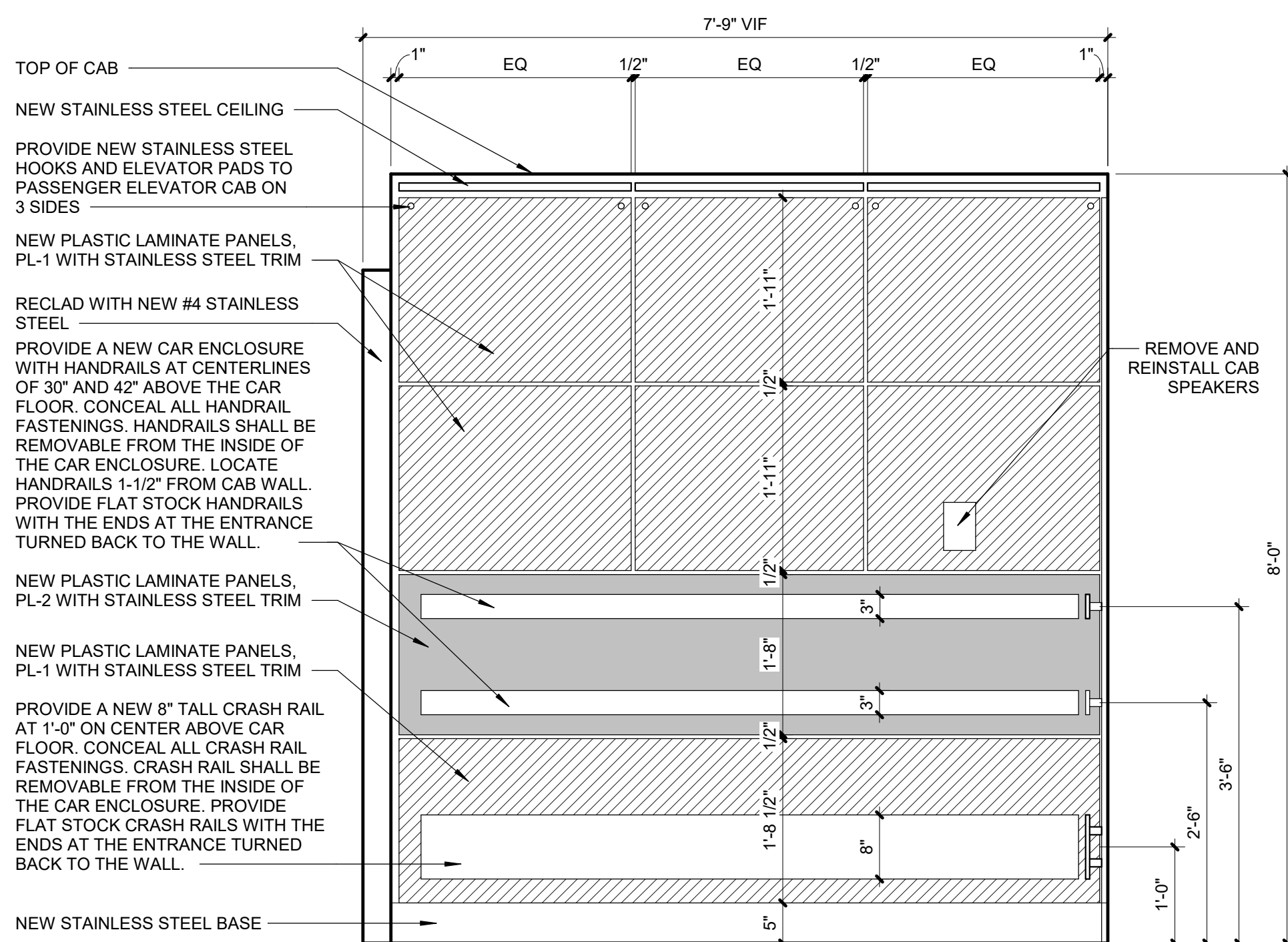
8 TYPICAL CORRIDOR CALL BUTTON AND HALL LANTERN ELEVATION (P16 & P17)
Scale: 3/4" = 1'-0"



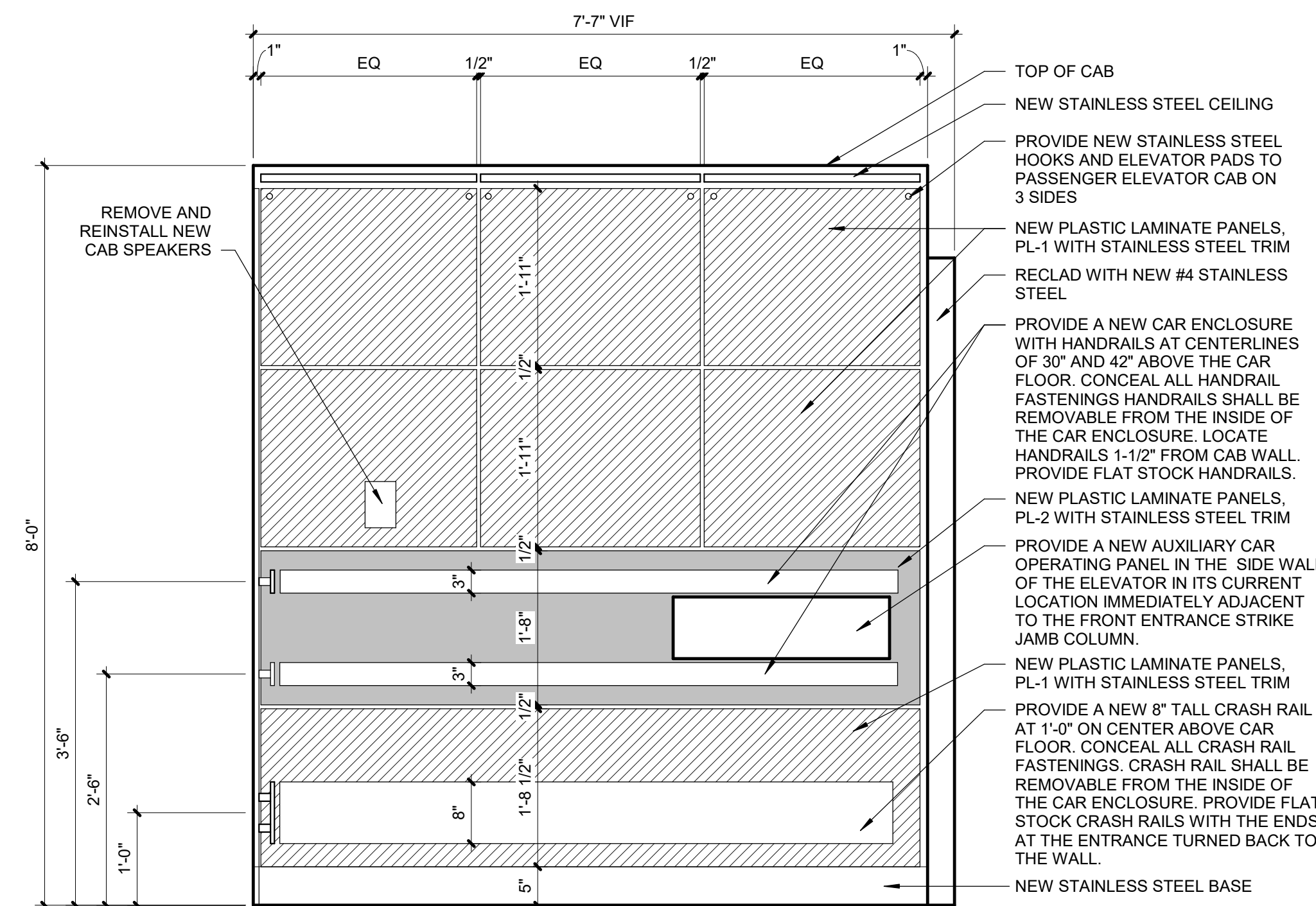
4 BUILDING 1 PASSENGER ELEVATOR RCP (P12, P16, & P17)
Scale: 1/2" = 1'-0"



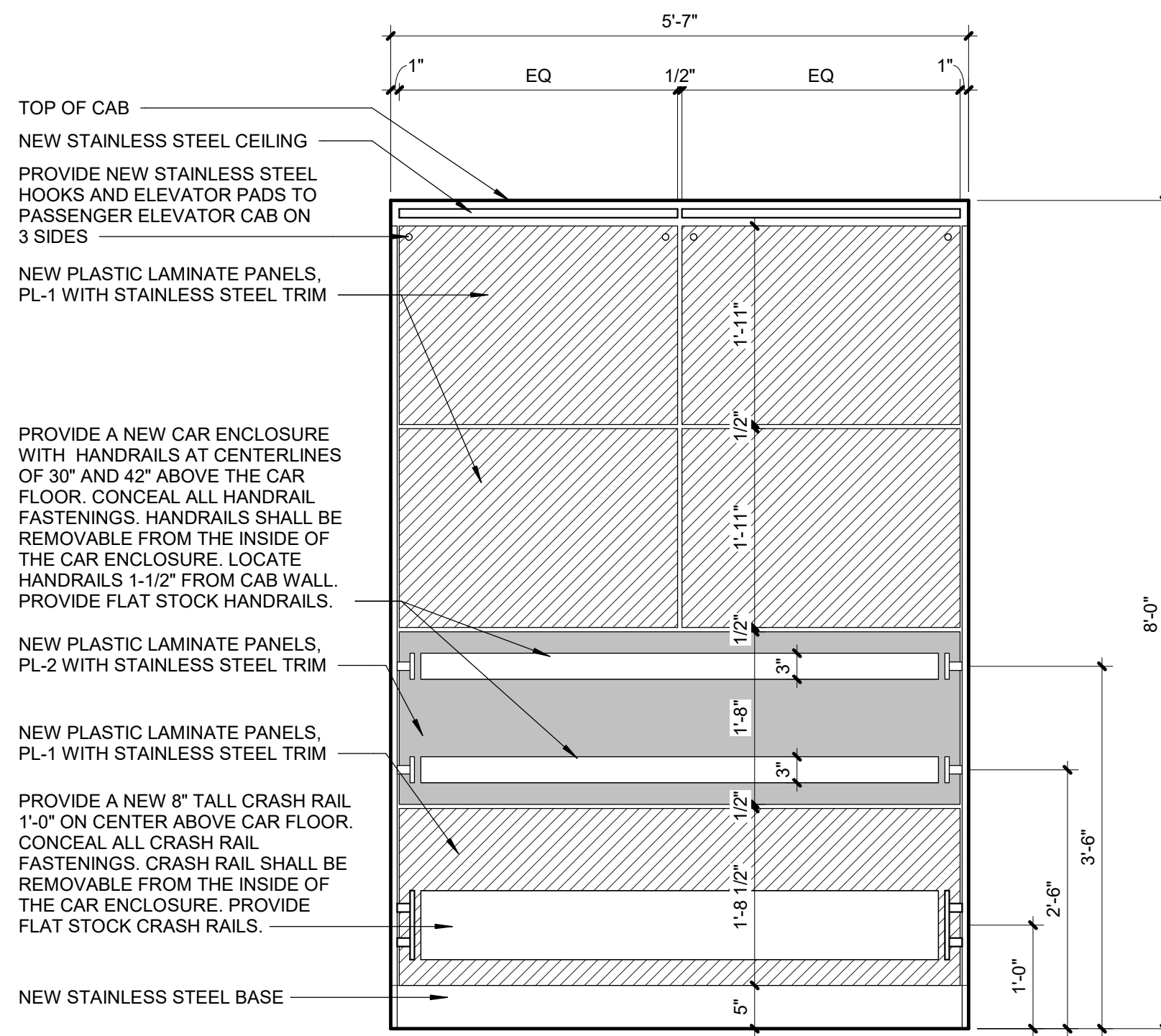
1 BUILDING 1 PASSENGER ELEVATOR CAB PLAN (P12, P16, & P17)
Scale: 1/2" = 1'-0"



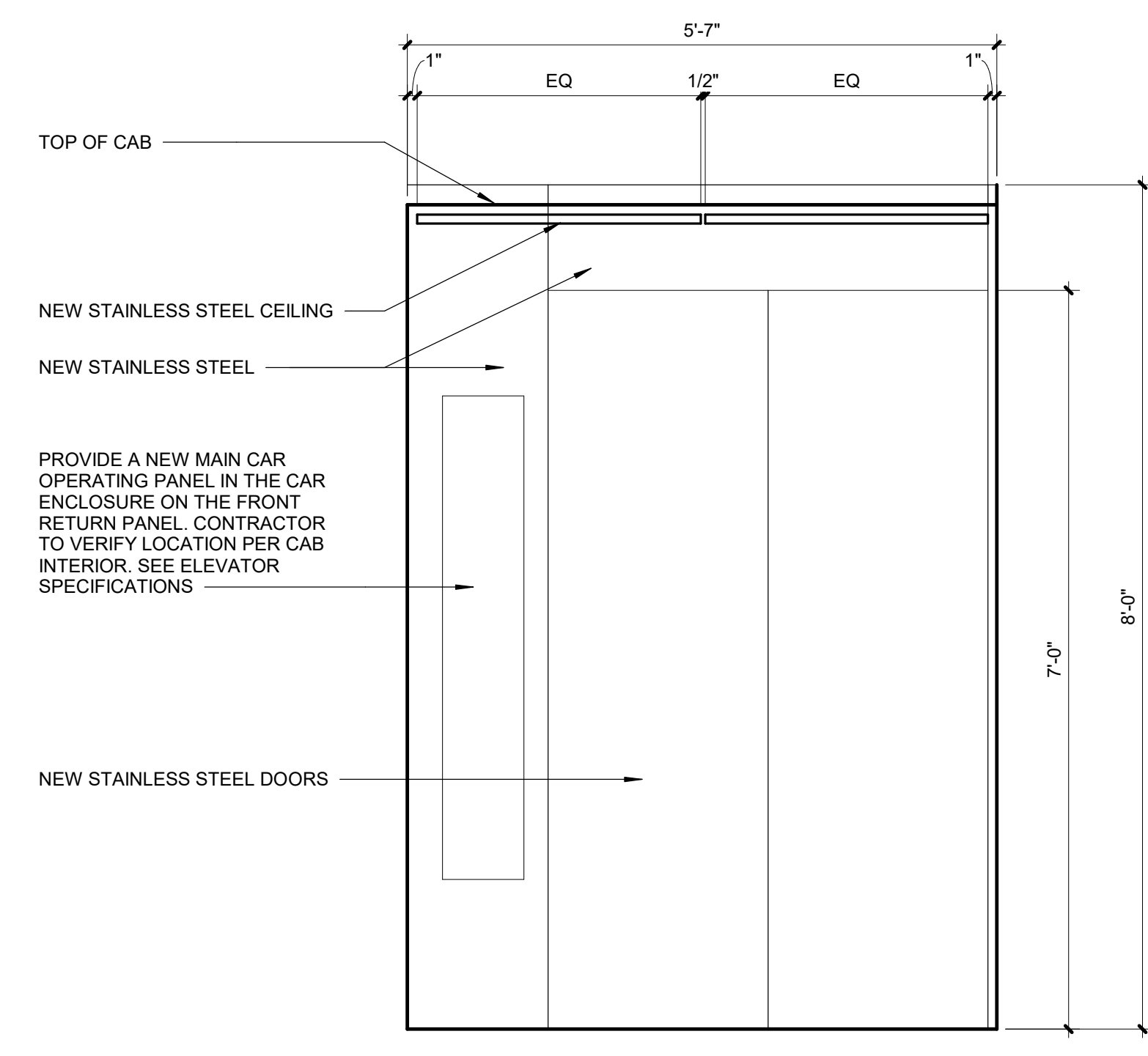
5 BUILDING 1 PASSENGER ELEVATOR CAB EAST SIDE INTERIOR ELEVATION (P12, P16, & P17)
Scale: 3/4" = 1'-0"



2 BUILDING 1 PASSENGER ELEVATOR CAB WEST SIDE INTERIOR ELEVATION (P12, P16, & P17)
Scale: 3/4" = 1'-0"



6 BUILDING 1 PASSENGER ELEVATOR CAB REAR INTERIOR ELEVATION (P12, P16, & P17)
Scale: 3/4" = 1'-0"



3 BUILDING 1 PASSENGER ELEVATOR CAB FRONT INTERIOR ELEVATION (P12, P16, & P17)
Scale: 3/4" = 1'-0"

SHEET NOTES:

- A. ALL ELECTRICAL WORK REQUIRED BY THIS MODIFICATION IS THE RESPONSIBILITY OF THE ELEVATOR CONTRACTOR. IF ANY WORK REQUIRES A LICENSED ELECTRICIAN, THIS SHALL BE INCLUDED IN THE RESPONSIBILITY OF THE ELEVATOR COMPANY TO RETAIN AND PROVIDE SUCH AN INDIVIDUAL IF NECESSARY. NO WORK IS PROJECTED TO BE REQUIRED UPSTREAM OF THE MAIN LINE ELEVATOR POWER OR UPSTREAM OF THE ELEVATOR CAB LIGHTS DISCONNECT.
- B. SEE ELEVATOR SCHEDULE ON SHEET A-001 FOR MORE INFORMATION.

KEY NOTES:

- 1 TERRAZZO TILE FLOORING, T2T-1

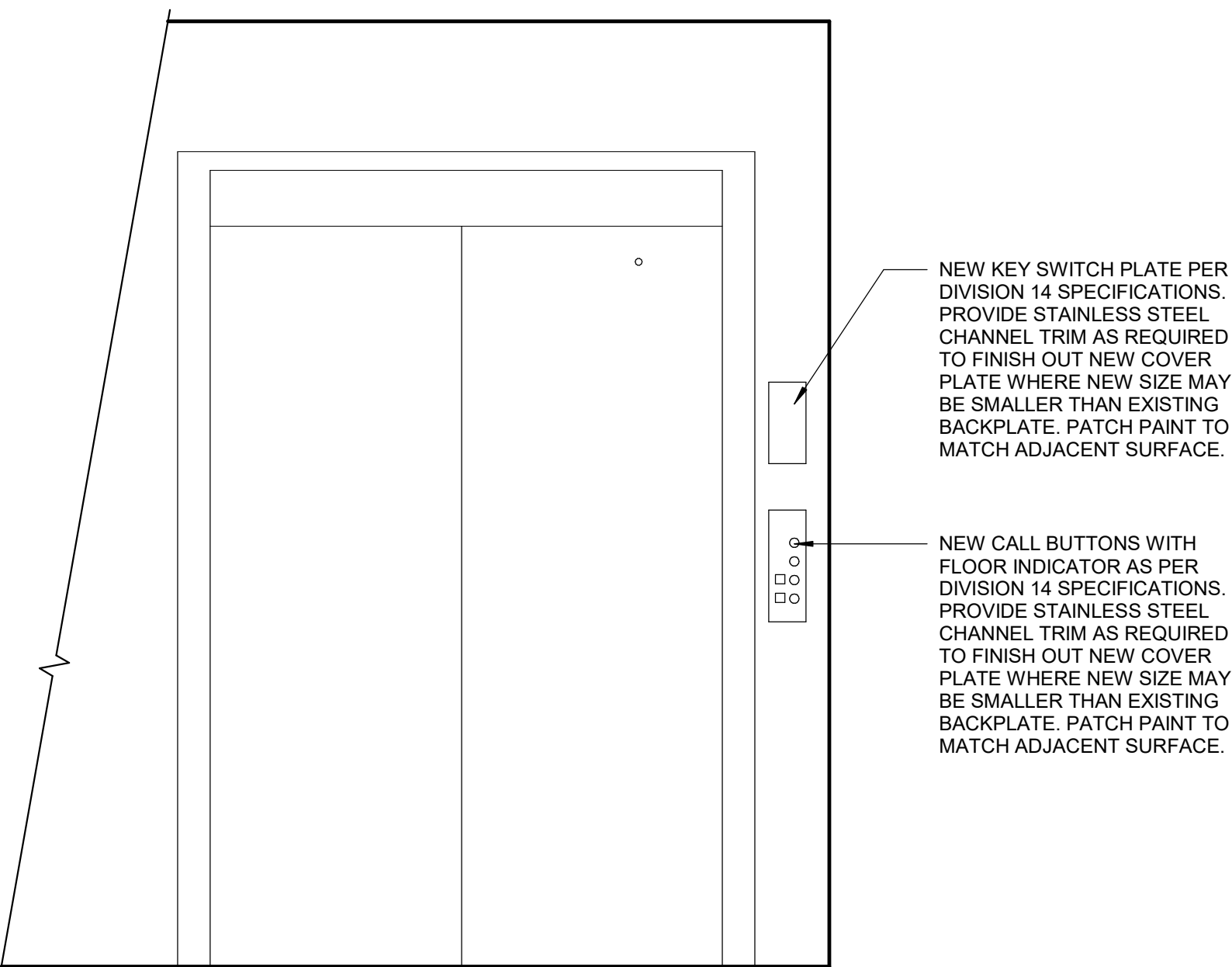
FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

CONSULTANTS:			PROJECT MANAGER		Office of Construction and Facilities Management		Drawing Title		Project Title		VA PROJECT NUMBER	
			ACG Project Number 22-105		Building 1 Passenger Elevators P12, P16 AND P17 PLAN, RCP AND ELEVATIONS		UPGRADE ELEVATORS PH2		561-21-301			
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511		Location		NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number # 1	
			Engineers Architects		Date		MAY 14, 2025		Checked		WVS / JK	
			www.acg-pa.com		Drawn		CET				Drawing Number	
			919-858-7420								A-702	
											Dwg 17 of 22	

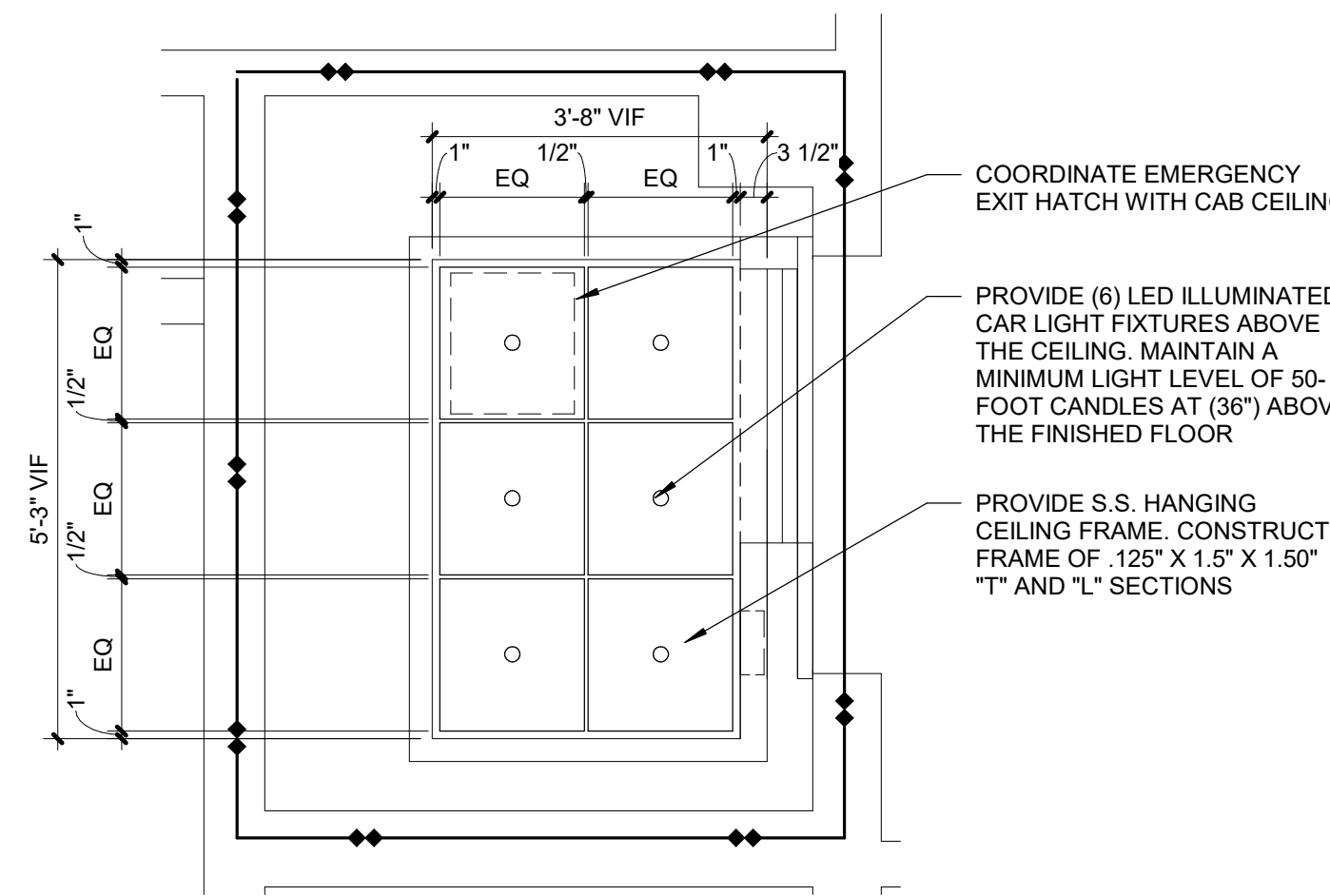


7 BUILDING 2 EXIST. ELEVATOR CAB PHOTO FOR REFERENCE (P1)
Scale: No Scale



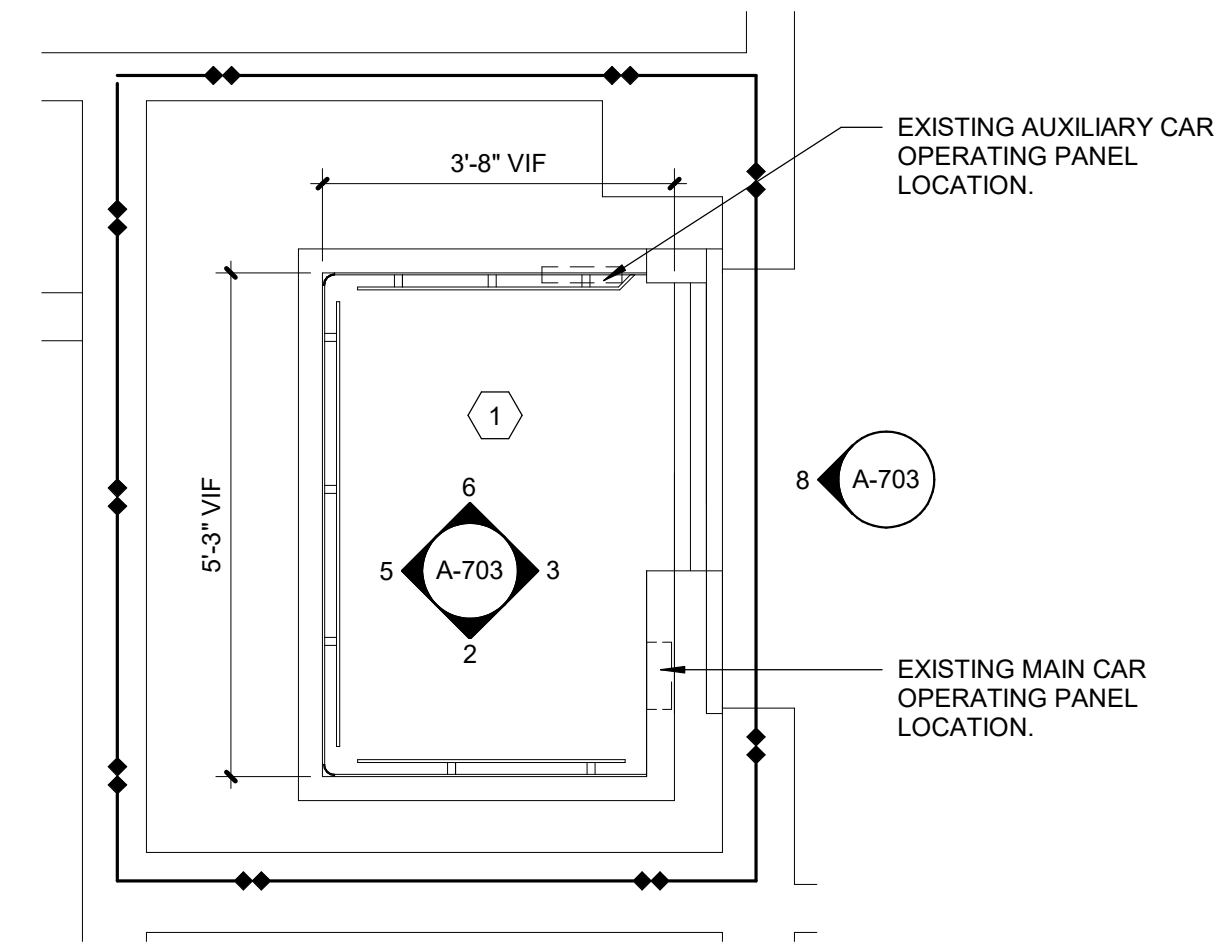
8 TYPICAL CORRIDOR CALL BUTTON AND HALL LANTERN ELEVATION (P1)
Scale: 3/4" = 1'-0"

CLOSET

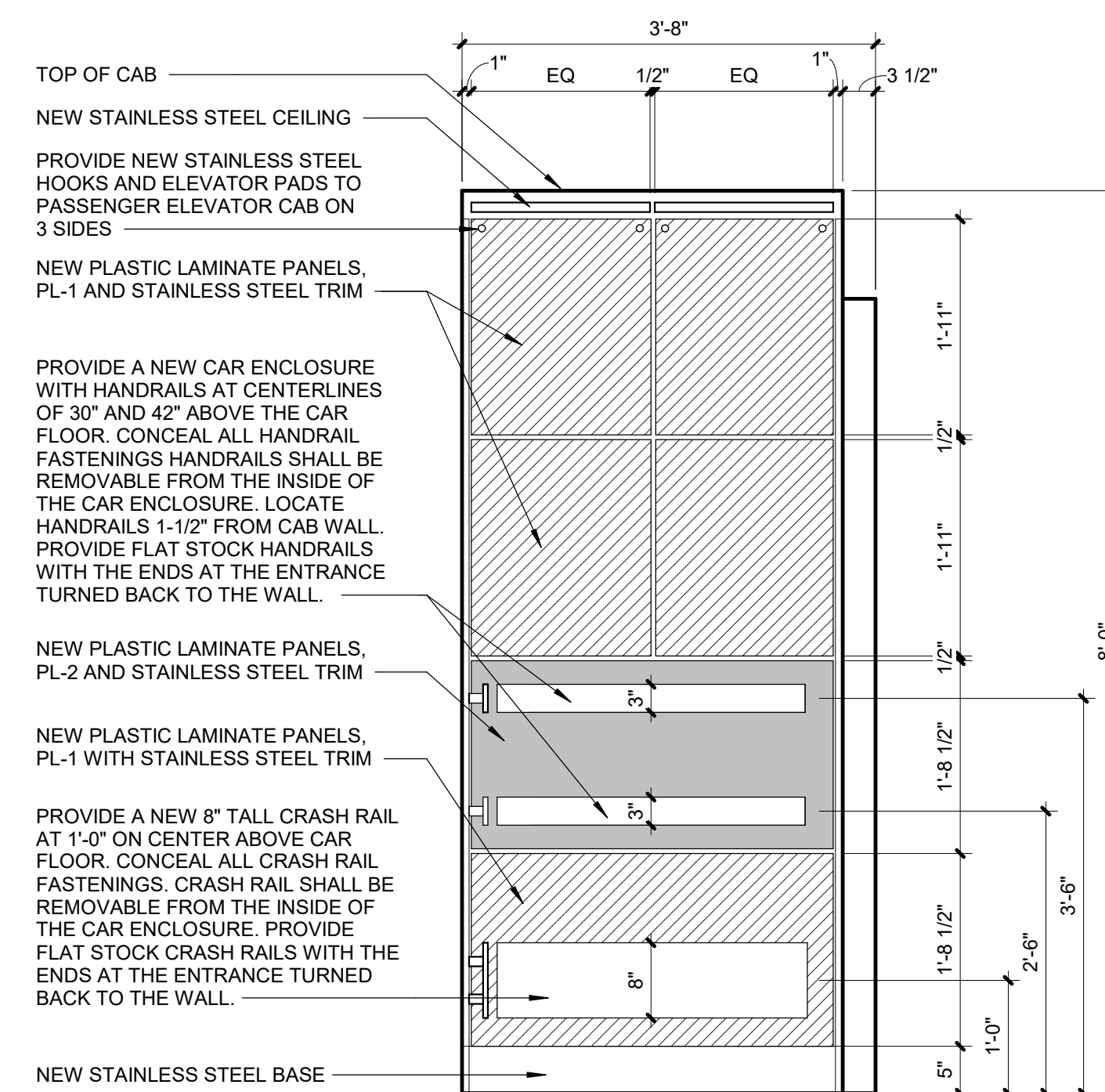


4 BUILDING 2 PASSENGER ELEVATOR RCP (P1)
Scale: 1/2" = 1'-0"

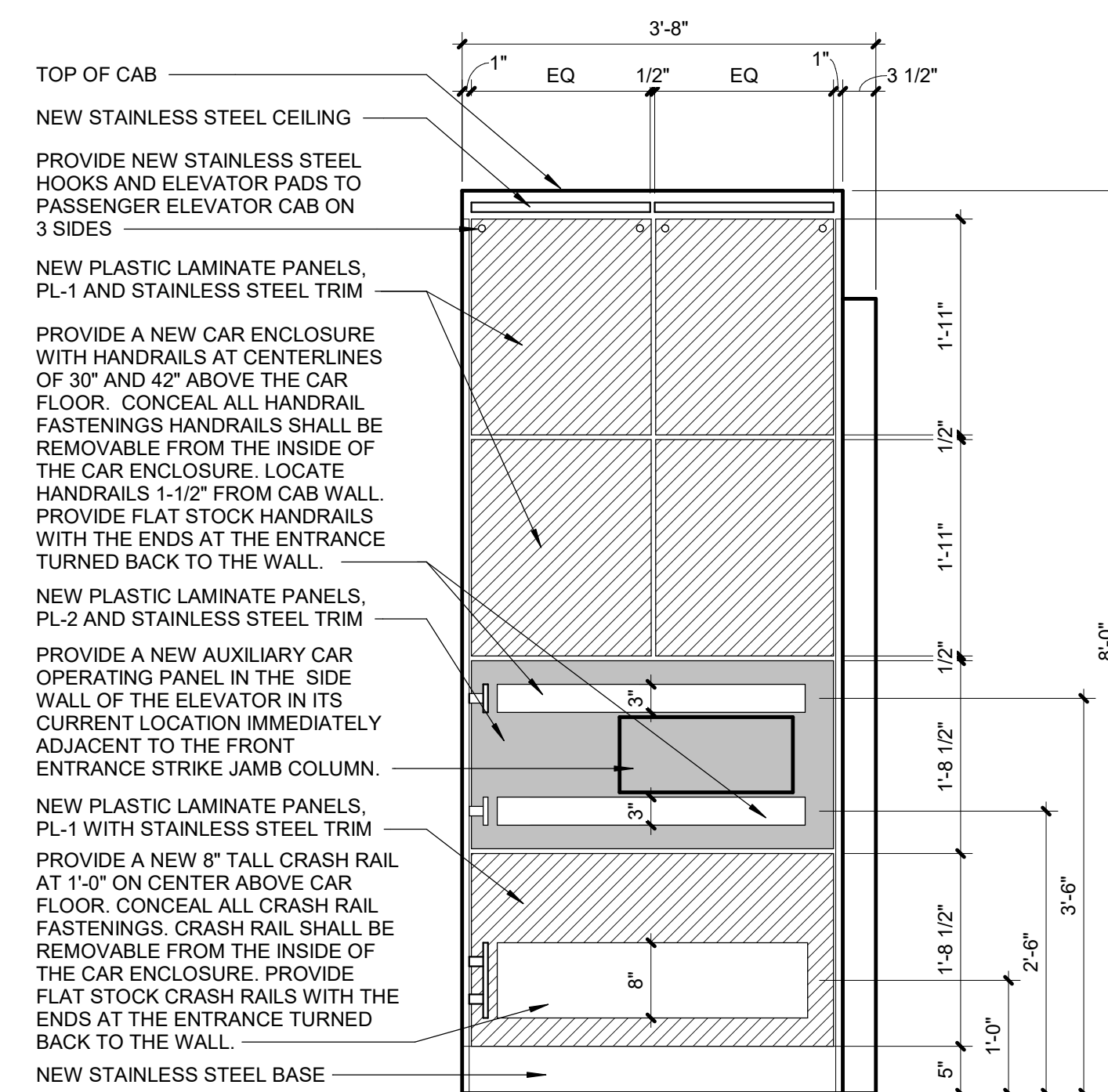
CLOSET



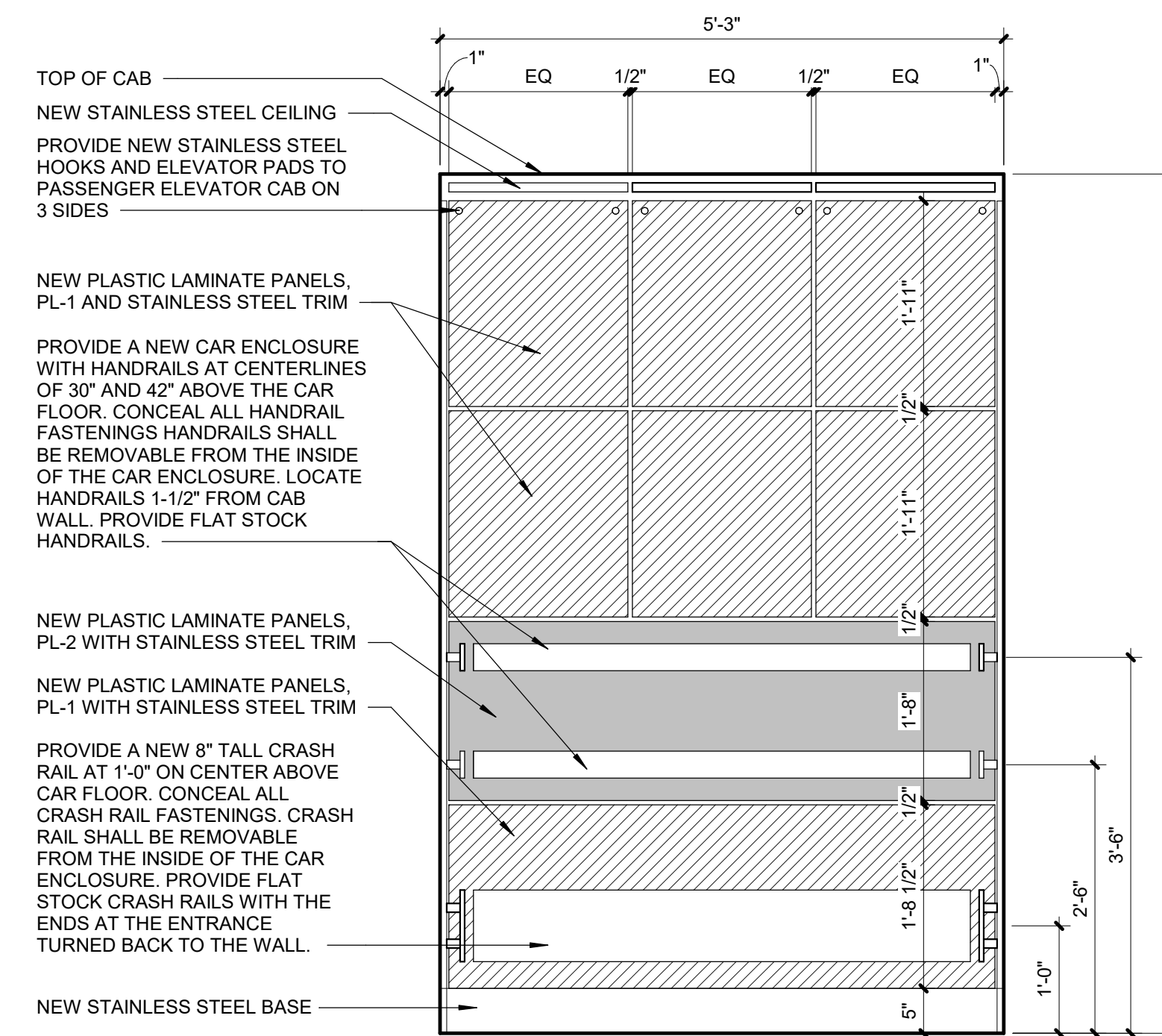
1 BUILDING 2 PASSENGER ELEVATOR PLAN (P1)
Scale: 1/2" = 1'-0"



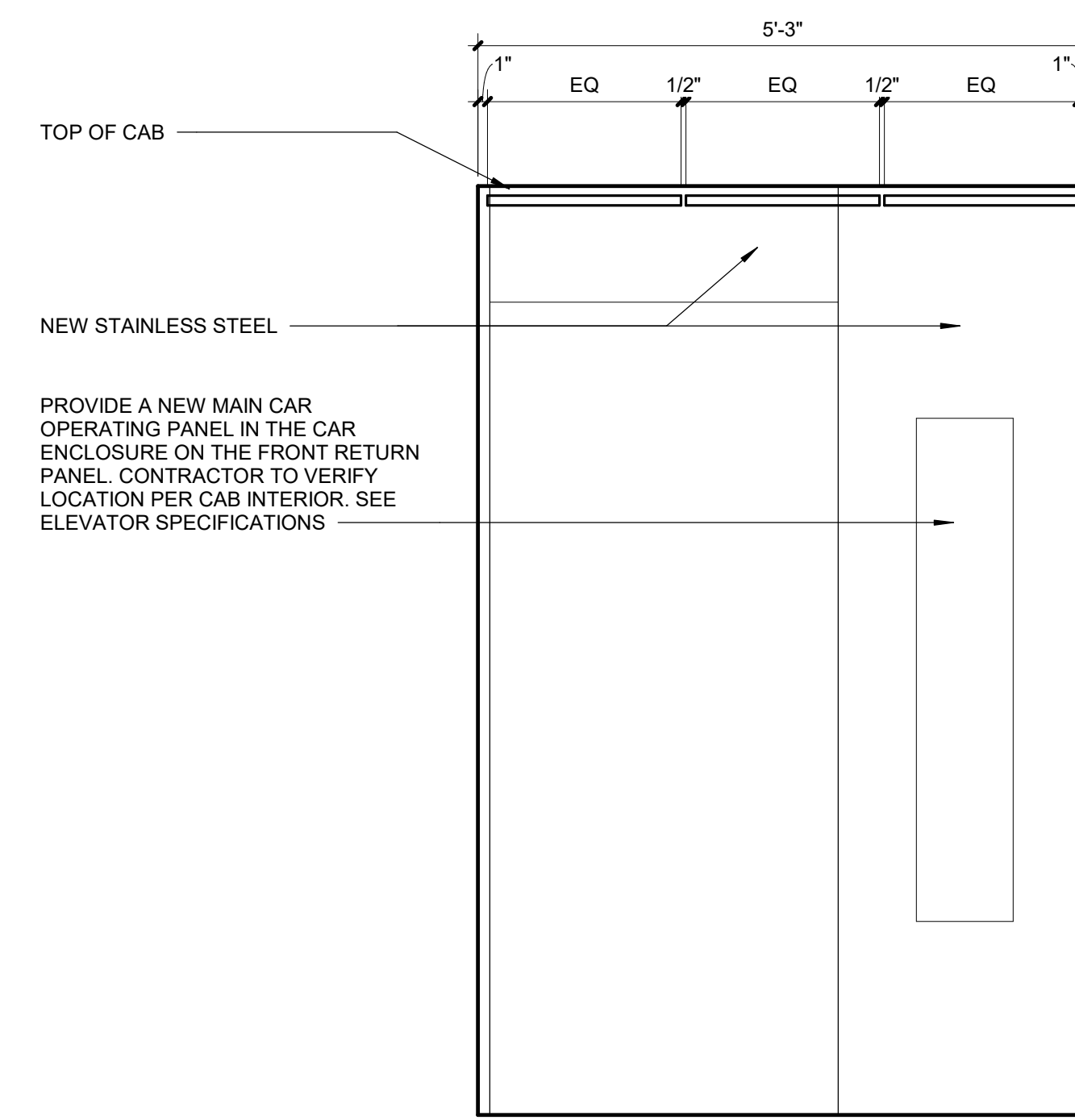
5 BUILDING 2 PASSENGER ELEVATOR CAB WEST SIDE INTERIOR ELEVATION (P1)
Scale: 3/4" = 1'-0"



2 BUILDING 2 PASSENGER ELEVATOR CAB REAR INTERIOR ELEVATION (P1)
Scale: 3/4" = 1'-0"



6 BUILDING 2 PASSENGER ELEVATOR CAB EAST SIDE INTERIOR ELEVATION (P1)
Scale: 3/4" = 1'-0"



3 BUILDING 2 PASSENGER ELEVATOR CAB FRONT INTERIOR ELEVATION (P1)
Scale: 3/4" = 1'-0"

SHEET NOTES:

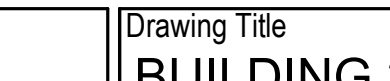
- A. ALL ELECTRICAL WORK REQUIRED BY THIS MODIFICATION IS THE RESPONSIBILITY OF THE ELEVATOR CONTRACTOR. IF ANY WORK REQUIRES A LICENSED ELECTRICIAN, THIS SHALL BE INCLUDED IN THE RESPONSIBILITY OF THE ELEVATOR COMPANY TO RETAIN AND PROVIDE SUCH AN INDIVIDUAL IF NECESSARY. NO WORK IS PROJECTED TO BE REQUIRED UPSTREAM OF THE MAIN LINE ELEVATOR POWER OR UPSTREAM OF THE ELEVATOR CAB LIGHTS DISCONNECT.
- B. SEE ELEVATOR SCHEDULE ON SHEET A-001 FOR MORE INFORMATION.

KEY NOTES:

- 1 TERRAZZO TILE FLOORING, TZT-1

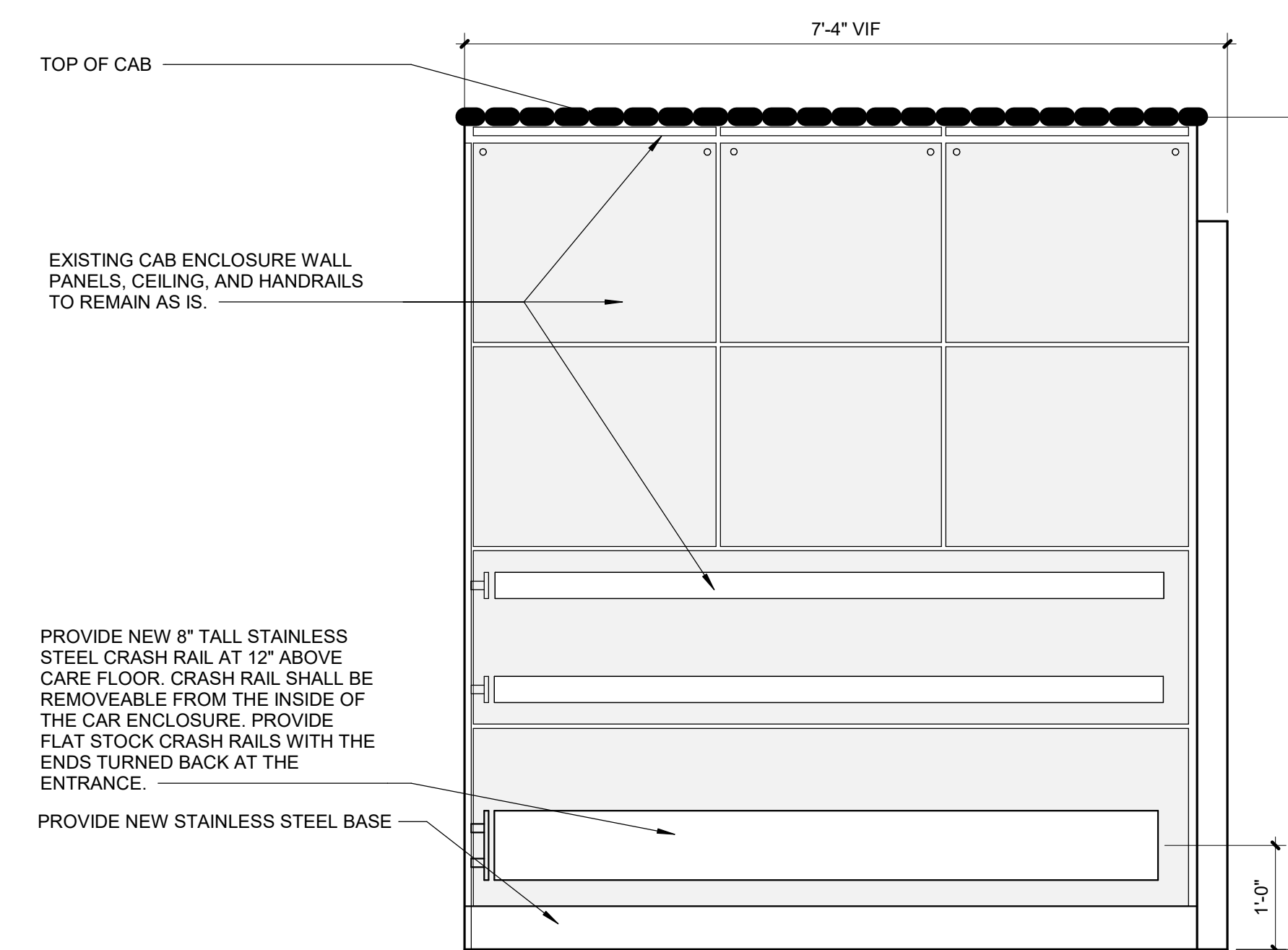
FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

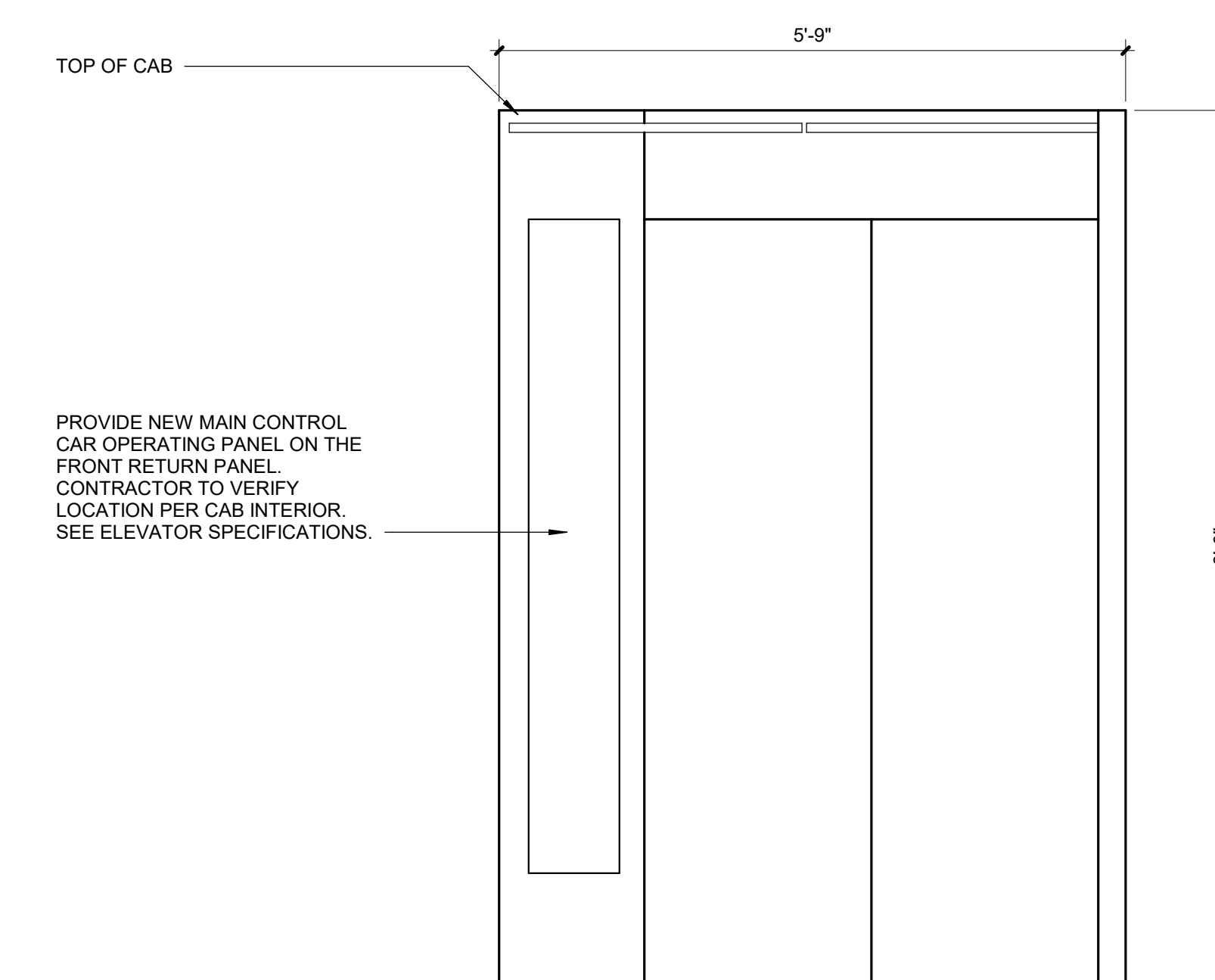
			CONSULTANTS:						PROJECT MANAGER		ACG Project Number 22-105		Office of Construction and Facilities Management		Drawing Title BUILDING 2 PASSENGER ELEVATOR P1 PLAN, RCP AND ELEVATIONS		Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301			
									Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511						Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number # 2			
#			Revisions:		Date		5/19/2025		www.acg-pa.com		919-858-7420		VA		U.S. Department of Veterans Affairs		Date MAY 14, 2025		Checked WVS / JK		Drawn CET	
																			A-703			
																			Dwg 18 of 22			

[illegible]

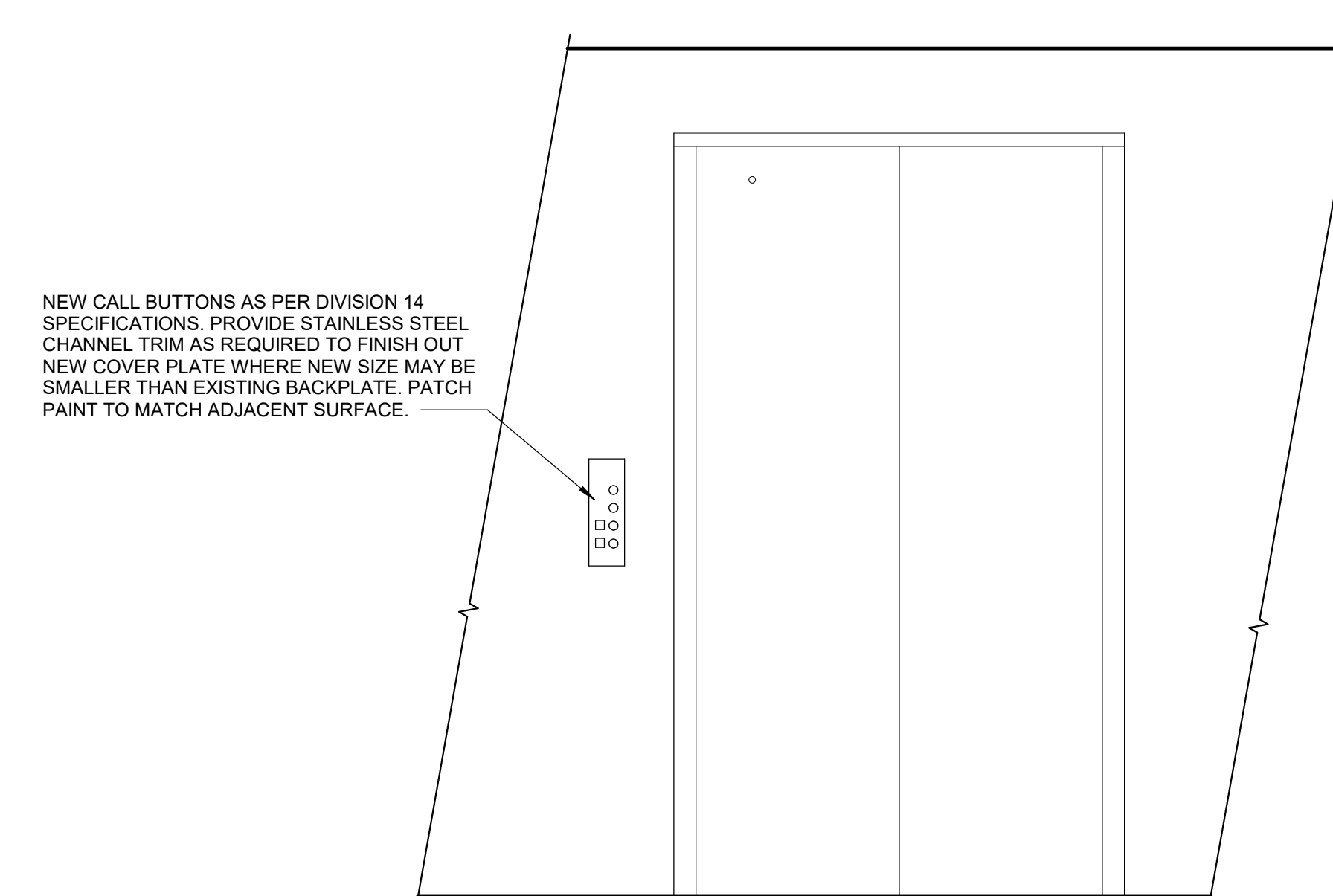
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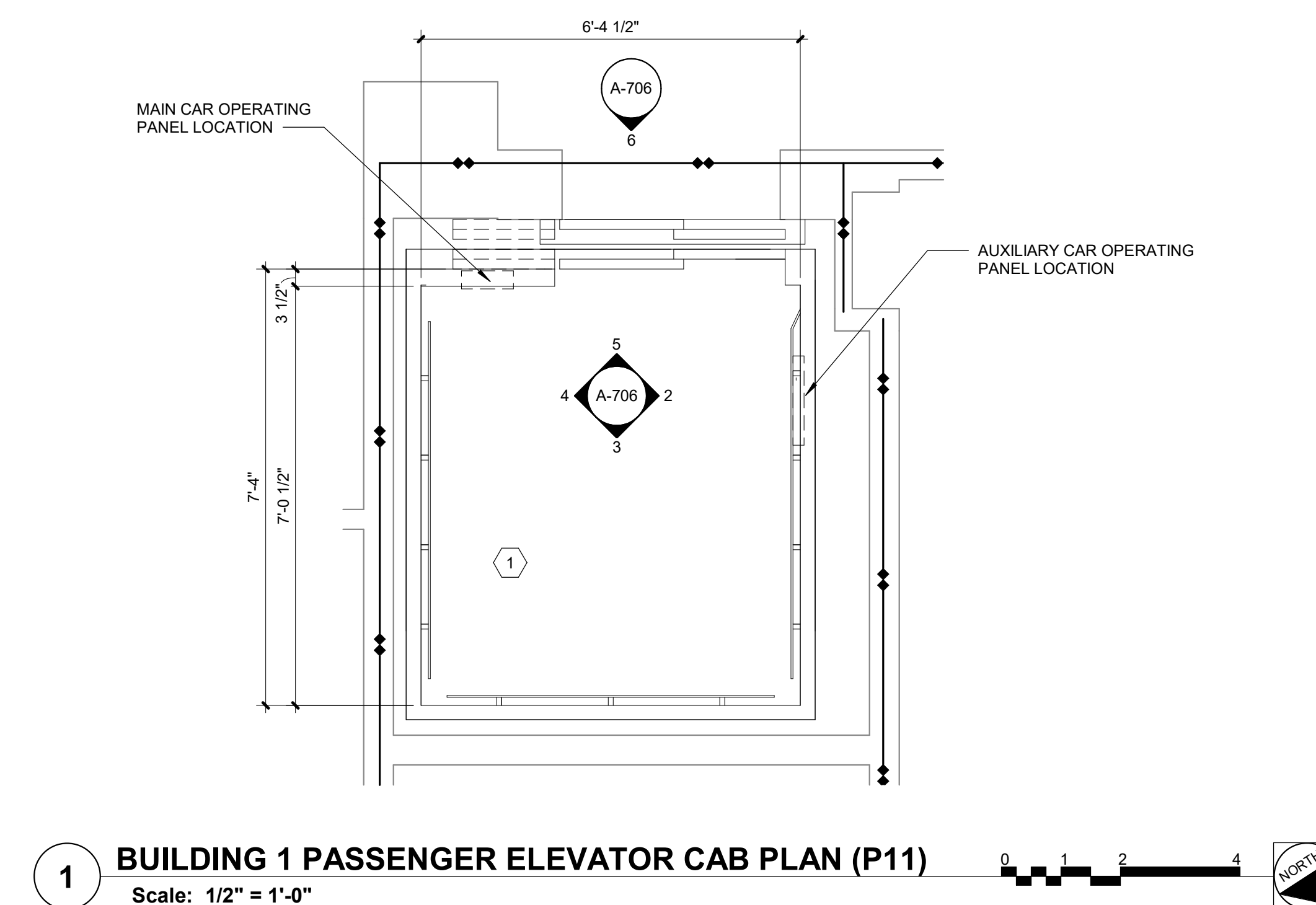
**BUILDING 1 (P11) PASSENGER
ELEVATOR CAB SIDE INTERIOR ELEVATION**
Scale: 3/4" = 1'-0"



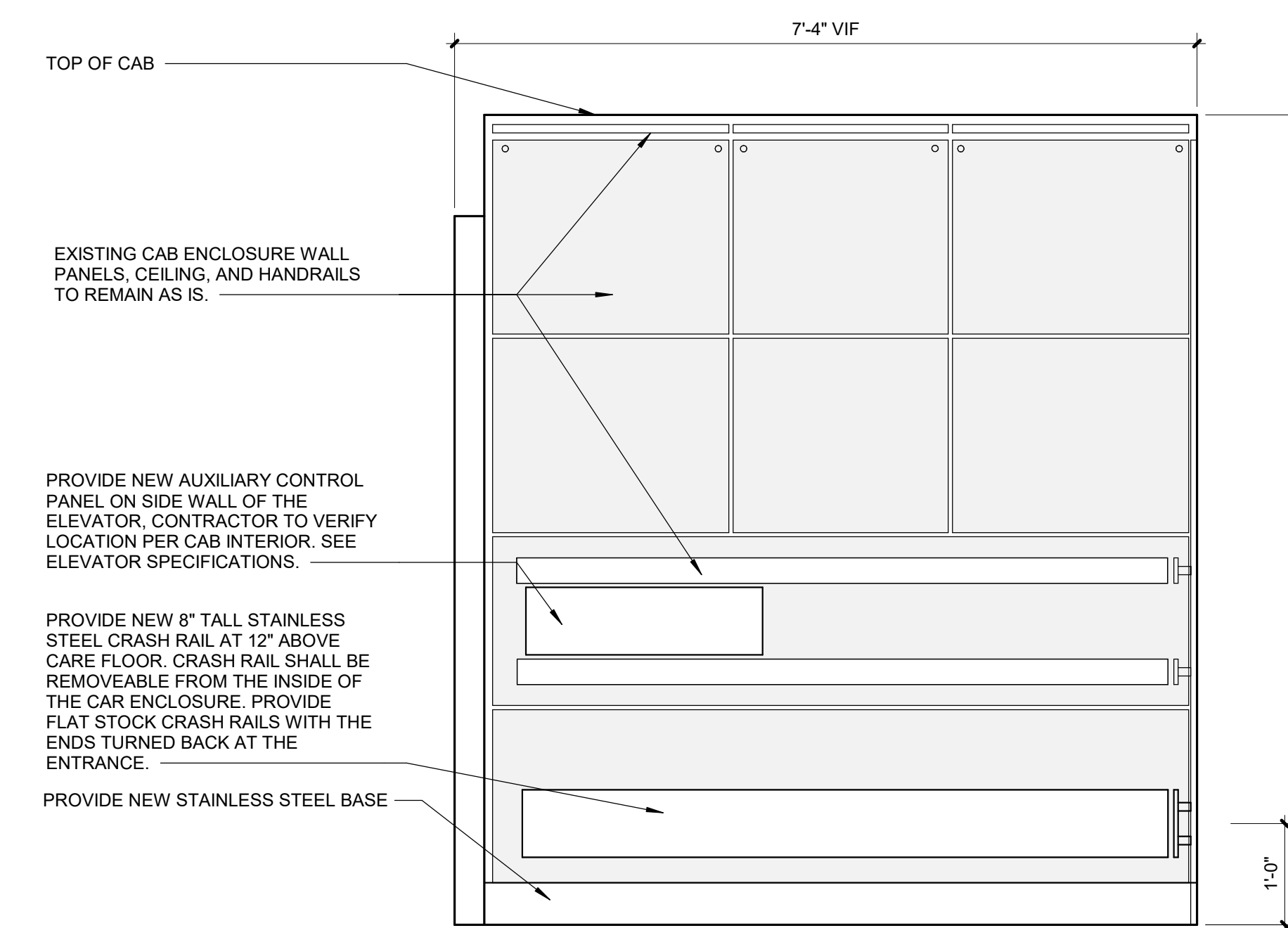
**BUILDING 1 (P7, P8, & P11) AND BUILDING 5 (P1) PASSENGER
ELEVATOR CAB FRONT INTERIOR ELEVATION**
Scale: 3/4" = 1'-0"



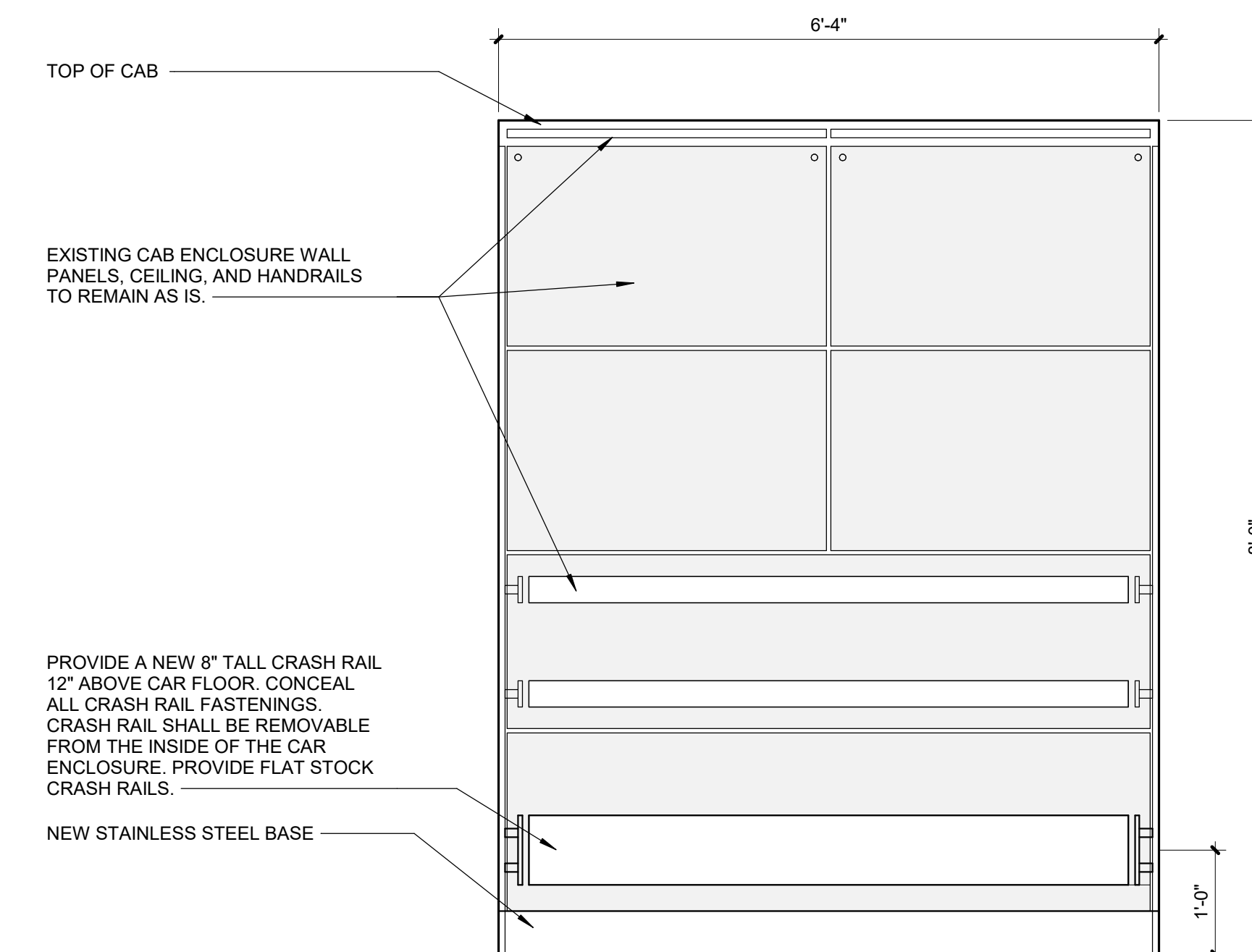
**6 TYPICAL CORRIDOR CALL BUTTON AND HALL LANTERN
ELEVATION (BUILDING 1 - P11)**
Scale: 3/4" = 1'-0"



1 BUILDING 1 PASSENGER ELEVATOR CAB PLAN (P11)
Scale: 1/2" = 1'-0"



**BUILDING 1 (P11) PASSENGER
ELEVATOR CAB SIDE INTERIOR ELEVATION**
Scale: 3/4" = 1'-0"



**BUILDING 1 (P11) PASSENGER
ELEVATOR CAB REAR INTERIOR ELEVATION**
Scale: 3/4" = 1'-0"

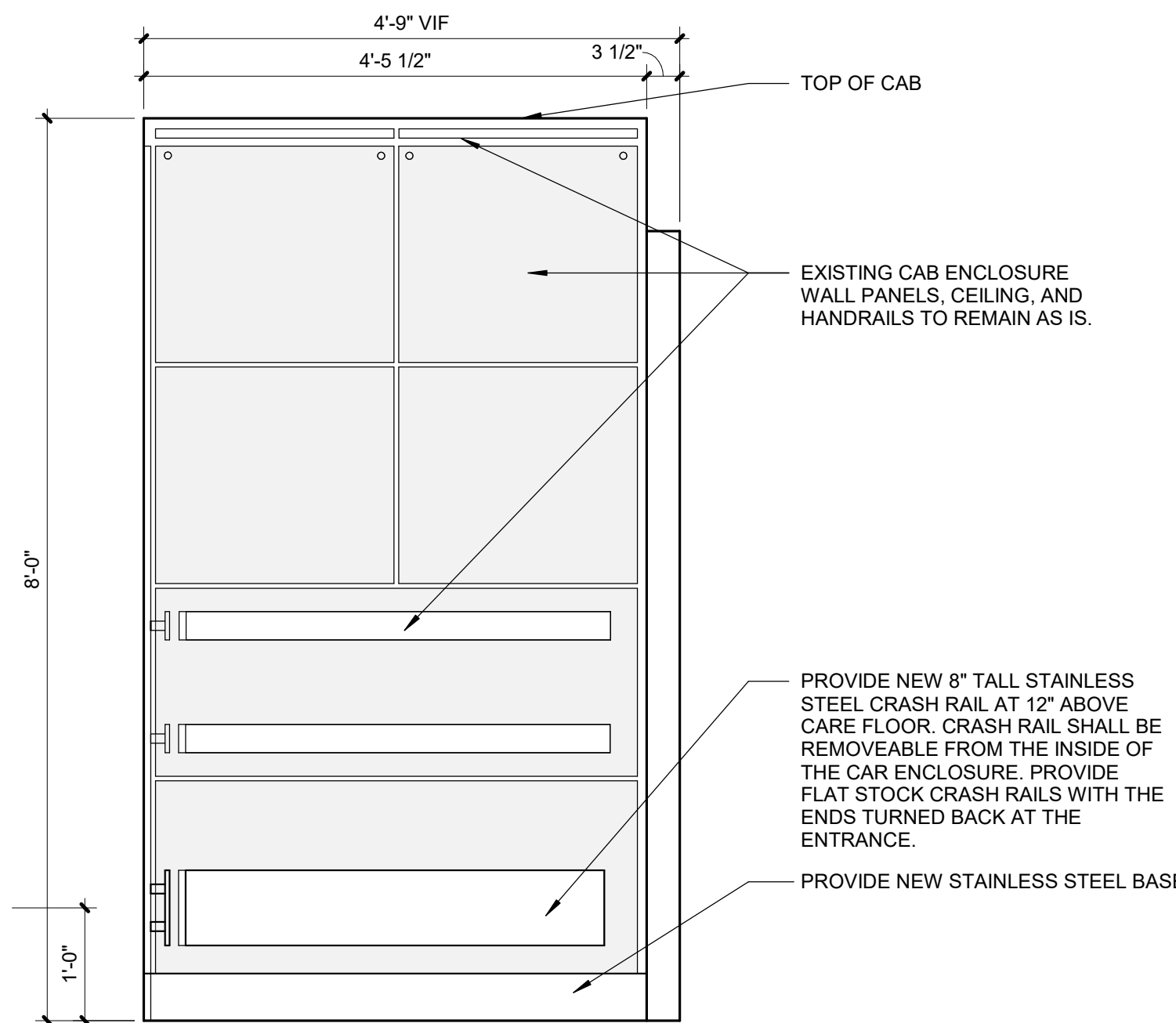
- | SHEET NOTES: | |
|--------------|---|
| A. | ALL ELECTRICAL WORK REQUIRED BY THIS MODIFICATION IS THE RESPONSIBILITY OF THE ELEVATOR CONTRACTOR. IF ANY WORK REQUIRES A LICENSED ELECTRICIAN, THIS SHALL BE INCLUDED IN THE RESPONSIBILITY OF THE ELEVATOR COMPANY TO RETAIN AND PROVIDE SUCH AN INDIVIDUAL. IF NECESSARY, NO WORK IS PROJECTED TO BE REQUIRED UPSTREAM OF THE MAIN LINE ELEVATOR POWER OR UPSTREAM OF THE ELEVATOR CAB LIGHTS DISCONNECT. |
| B. | SEE ELEVATOR SCHEDULE ON SHEET A-001 FOR MORE INFORMATION. |

KEY NOTES:

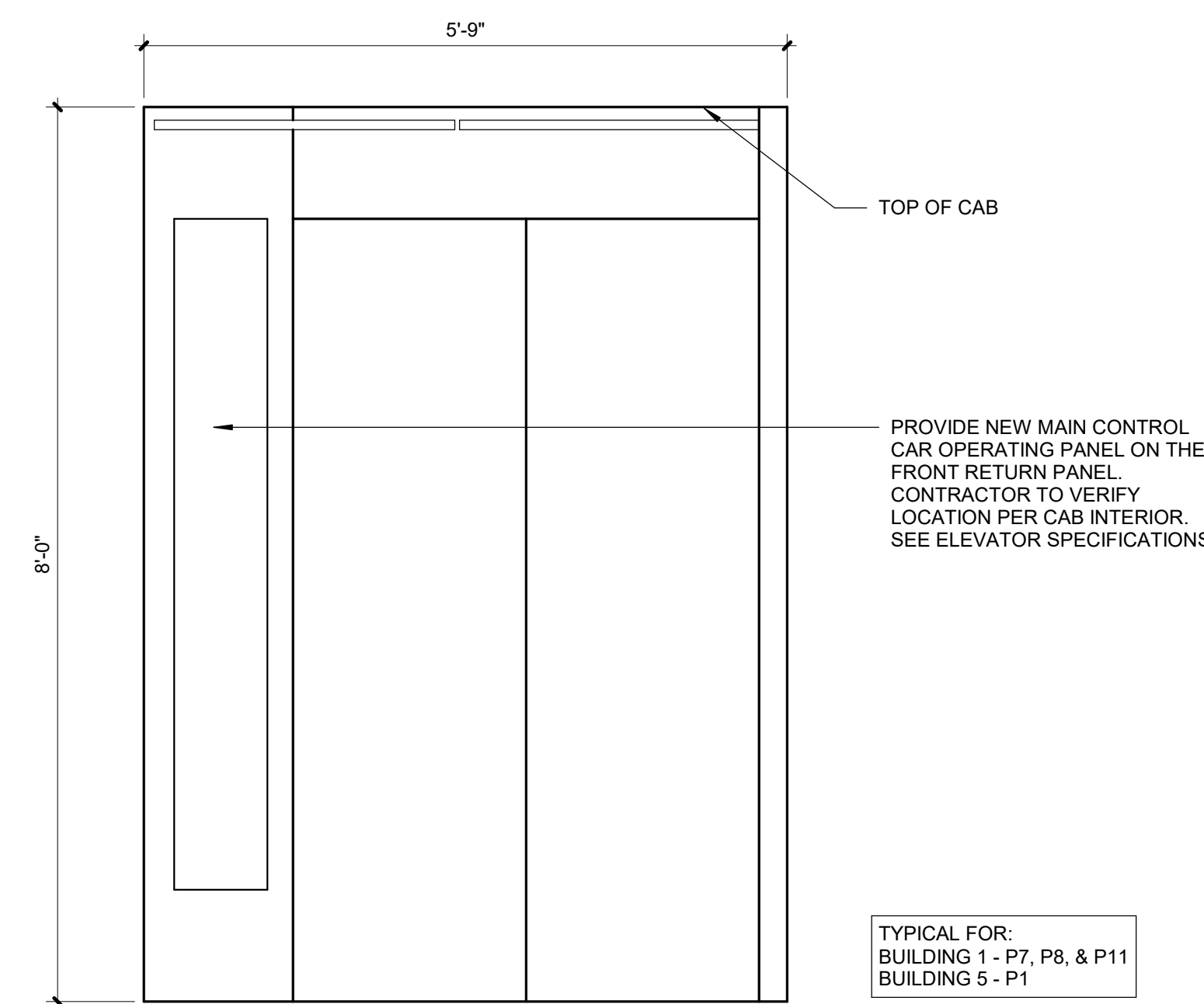
- 1 TERRAZZO TILE FLOORING, T2T-1

FULLY SPRINKLERED
CONSTRUCTION DOCUMENTS

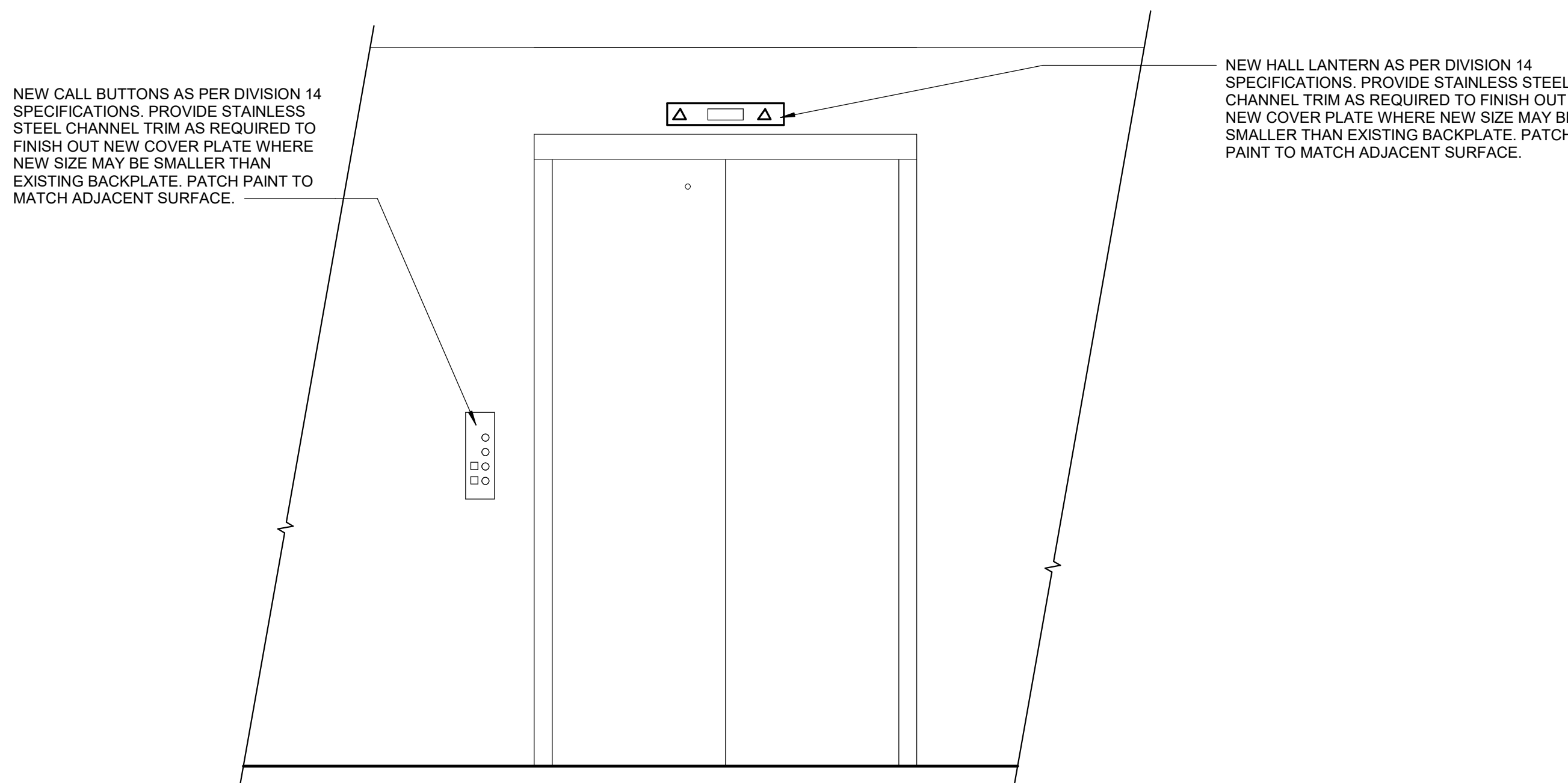
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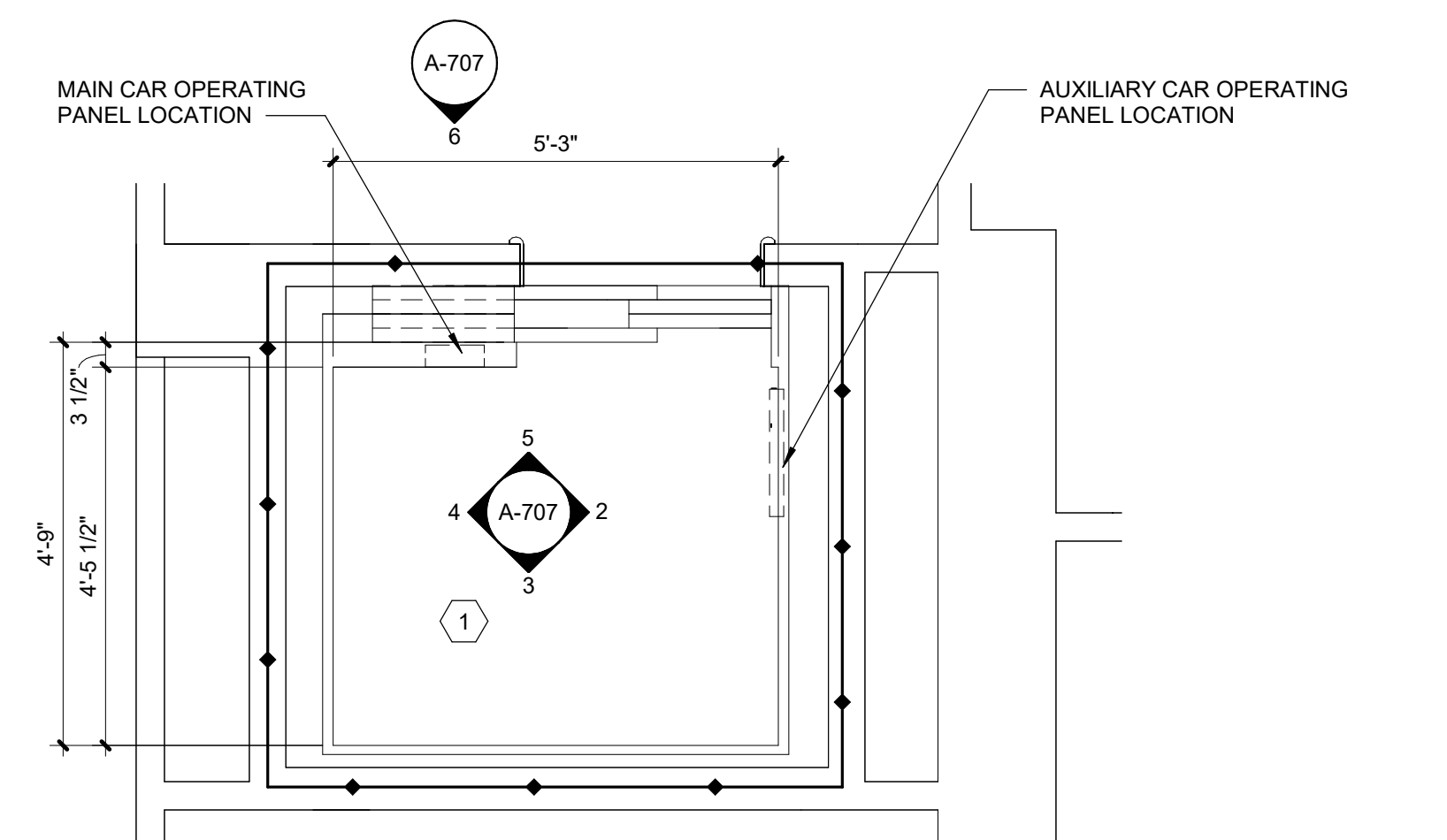
4 BUILDING 5 (P1) PASSENGER ELEVATOR CAB SIDE INTERIOR ELEVATION
Scale: 3/4" = 1'-0"



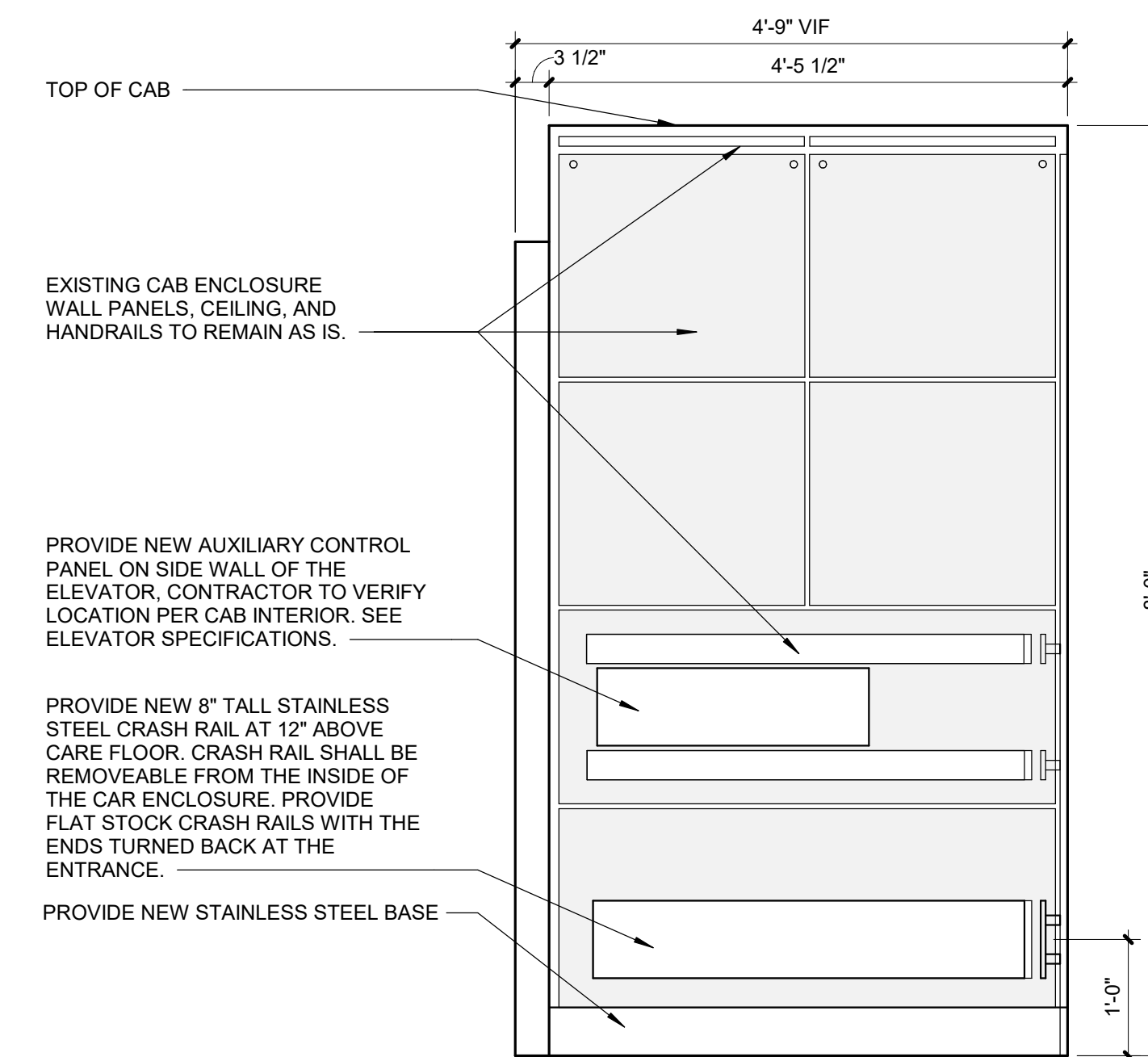
5 BUILDING 5 (P1) PASSENGER ELEVATOR CAB FRONT INTERIOR ELEVATION
Scale: 3/4" = 1'-0"



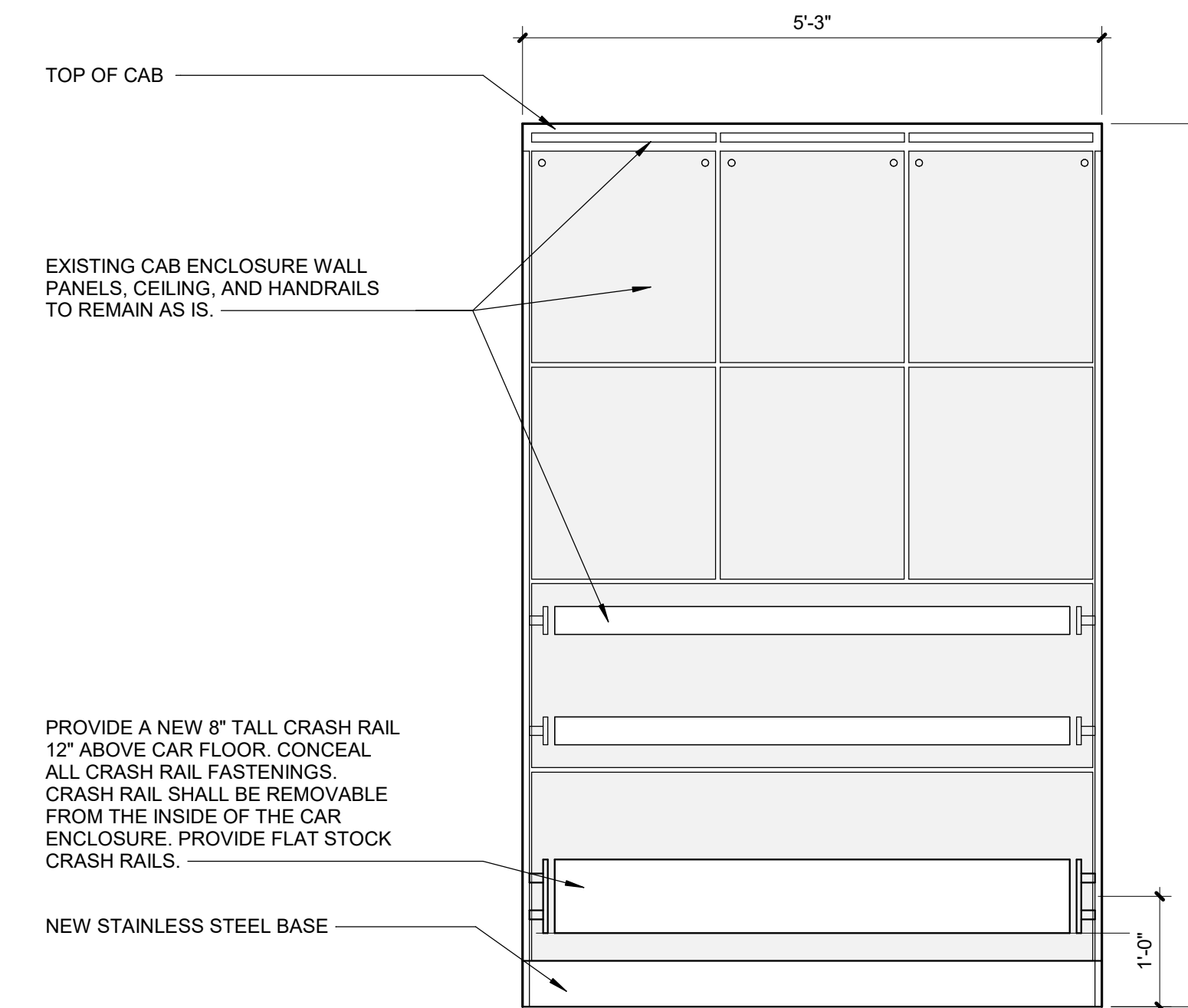
6 TYPICAL CORRIDOR CALL BUTTON AND HALL LANTERN ELEVATION (BUILDING 5 - P1)
Scale: 3/4" = 1'-0"



1 BUILDING 5 PASSENGER ELEVATOR PLAN (P1)
Scale: 1/2" = 1'-0"



2 BUILDING 5 (P1) PASSENGER ELEVATOR CAB SIDE INTERIOR ELEVATION
Scale: 3/4" = 1'-0"



3 BUILDING 5 (P1) PASSENGER ELEVATOR CAB REAR INTERIOR ELEVATION
Scale: 3/4" = 1'-0"

SHEET NOTES:

- A. ALL ELECTRICAL WORK REQUIRED BY THIS MODIFICATION IS THE RESPONSIBILITY OF THE ELEVATOR CONTRACTOR. IF ANY WORK REQUIRES A LICENSED ELECTRICIAN, THIS SHALL BE INCLUDED IN THE RESPONSIBILITY OF THE ELEVATOR COMPANY TO RETAIN AND PROVIDE SUCH AN INDIVIDUAL IF NECESSARY. NO WORK IS PROJECTED TO BE REQUIRED UPSTREAM OF THE MAIN LINE ELEVATOR POWER OR UPSTREAM OF THE ELEVATOR CAB LIGHTS DISCONNECT.
- B. SEE ELEVATOR SCHEDULE ON SHEET A-001 FOR MORE INFORMATION.

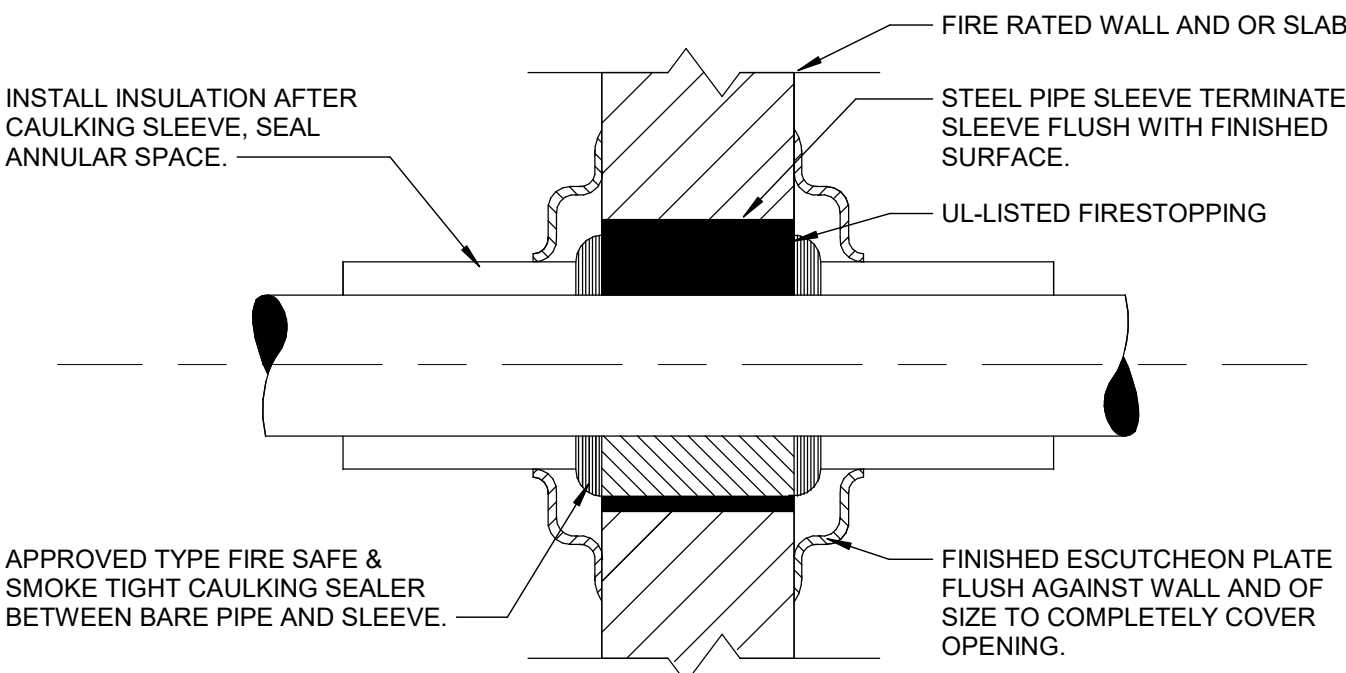
KEY NOTES:

- 1 TERRAZZO TILE FLOORING, TZT-1

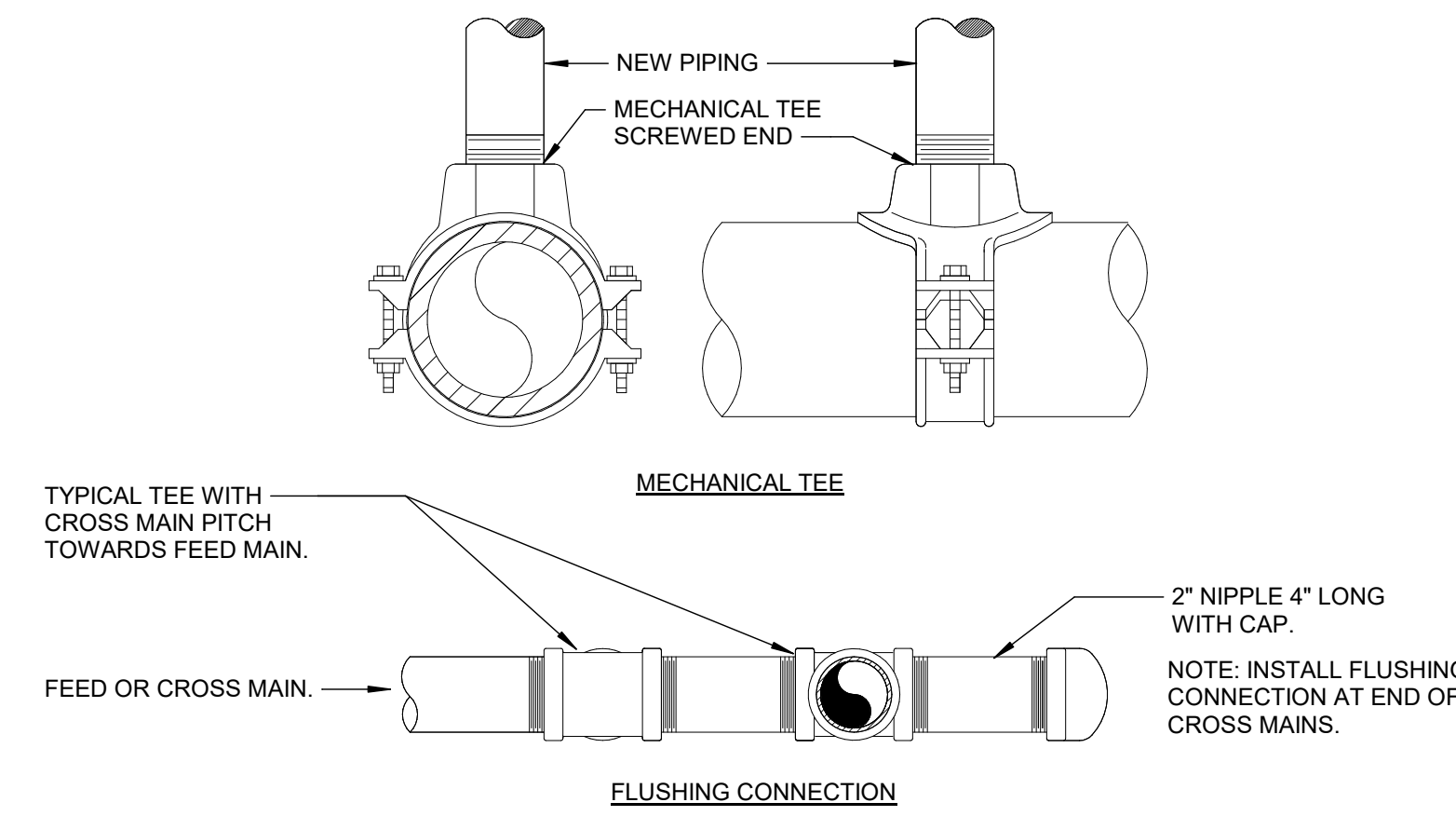
FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

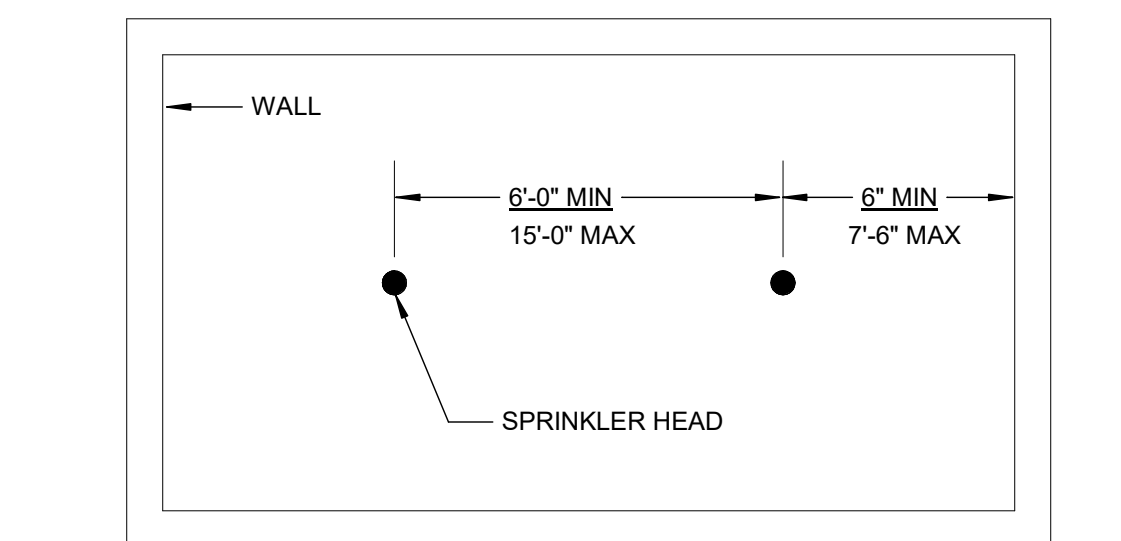
CONSULTANTS:			PROJECT MANAGER		Office of Construction and Facilities Management		Drawing Title		Project Title		VA PROJECT NUMBER	
			ACG Project Number 22-105		BUILDING 5 PASSENGER ELEVATOR P1 PLAN AND ELEVATIONS		UPGRADE ELEVATORS PH2		561-21-301			
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511		Location		NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number # 1 & 5	
			Engineers Architects		U.S. Department of Veterans Affairs		Date MAY 14, 2025		Checked WVS / JK		Drawing Number A-707	
			www.acg-pa.com		619-858-7420				Drawn CET		Dwg 22 of 22	



5 SPRINKLER PIPE SLEEVE THRU FIRE RATED WALL DETAIL
Scale: No Scale

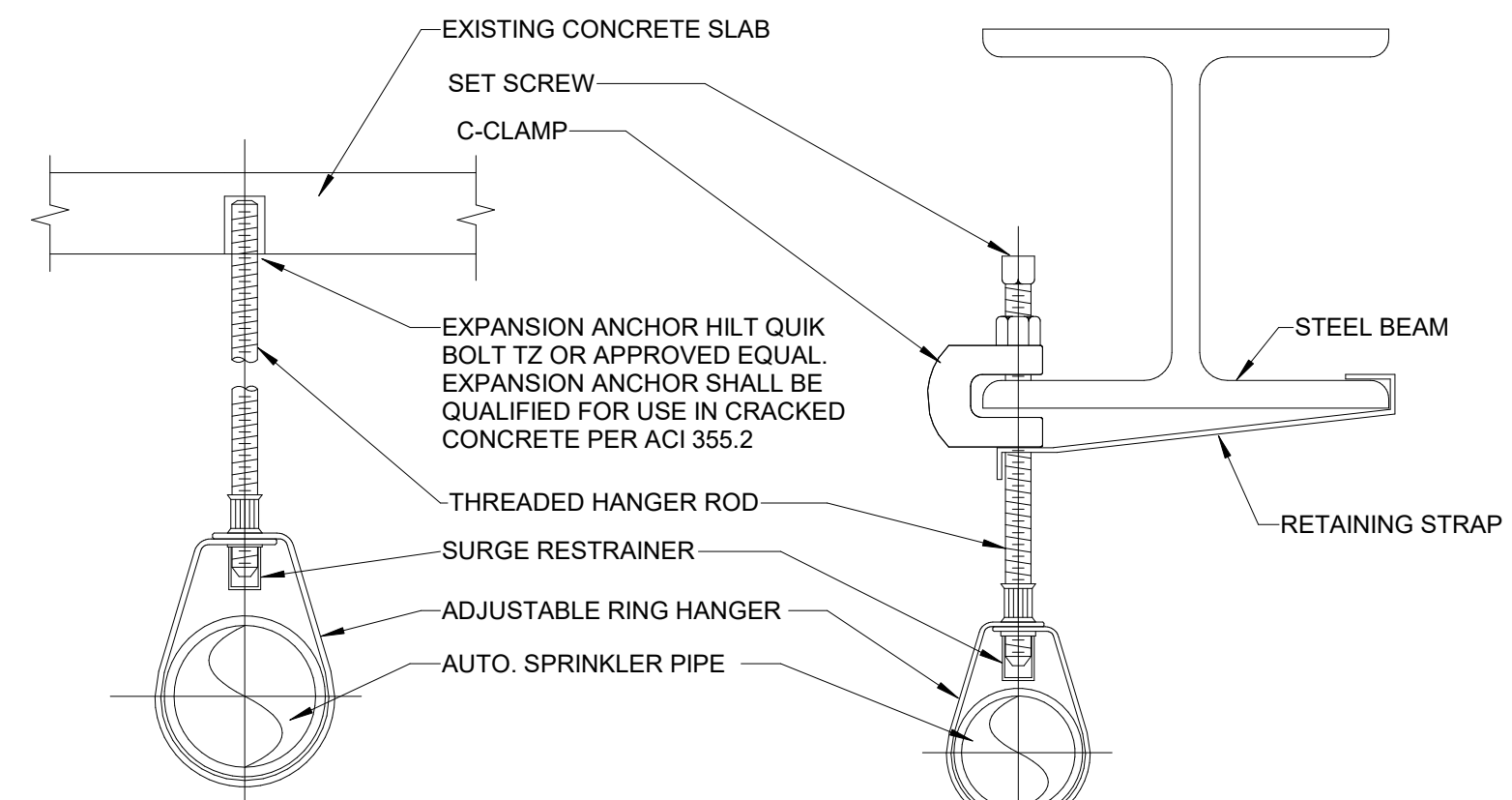


2 MECHANICAL TEE AND FLUSHING CONNECTION DETAIL
Scale: No Scale

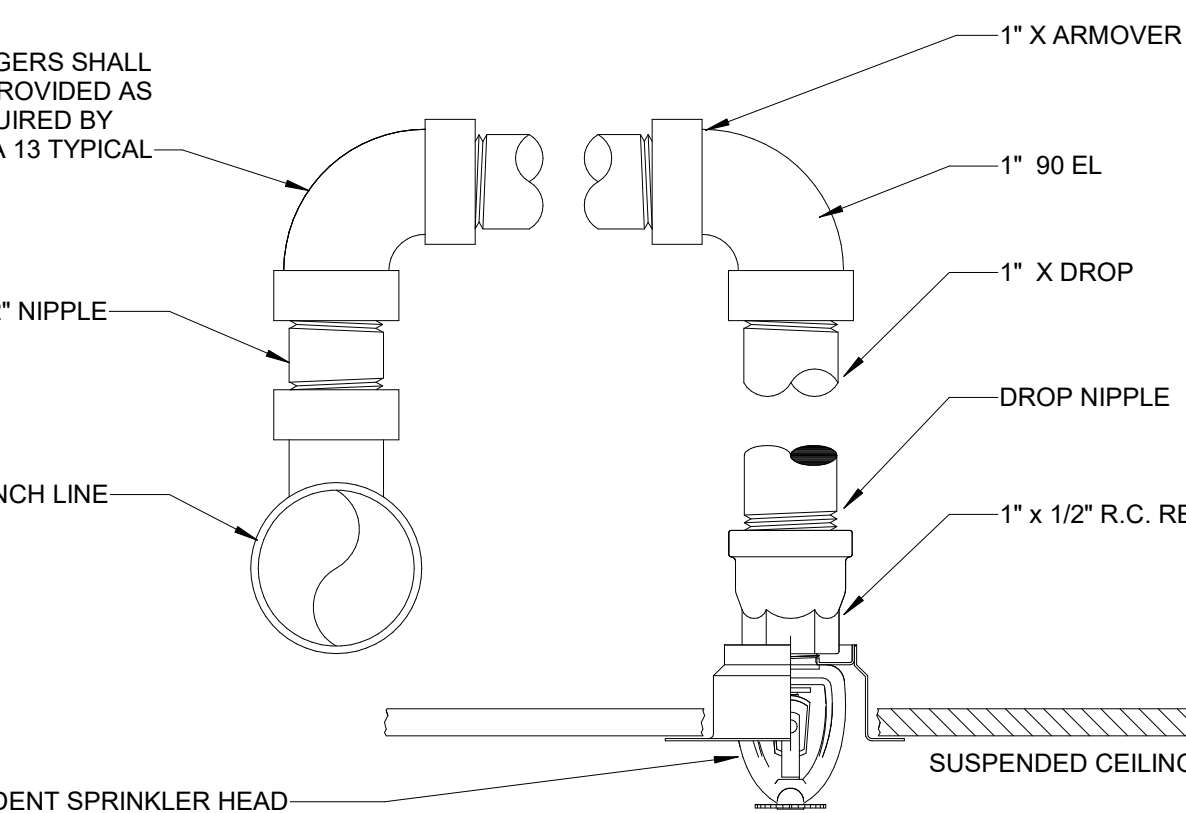


	MAX AREA PER HEAD	DENSITY PER 1500 SQ. FT.
LIGHT HAZARD	225 SQ. FT.	0.1 GPM/ SQ. FT.
ORDINARY HAZARD GRP 1	130 SQ. FT.	0.15 GPM/ SQ. FT.

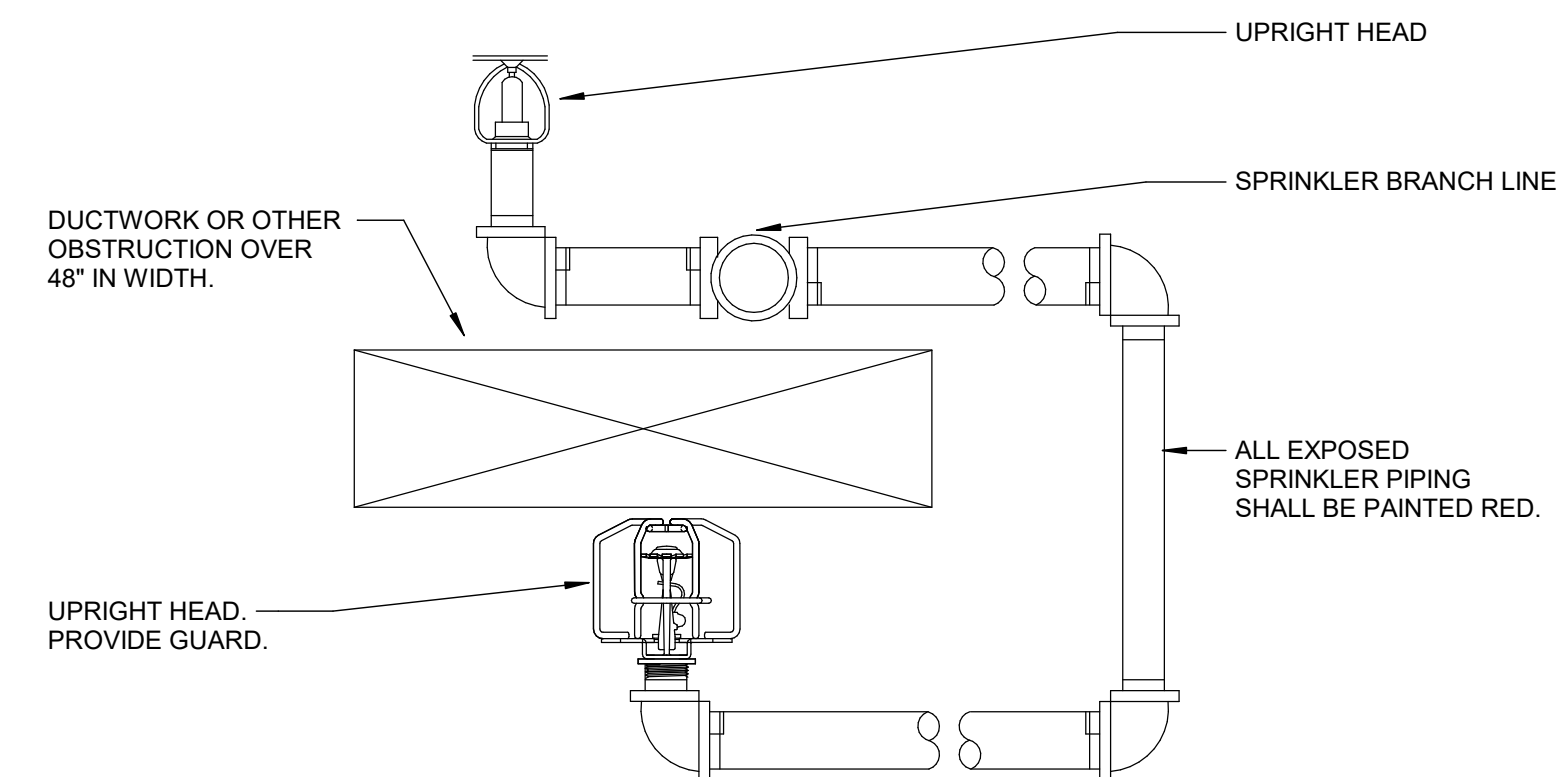
6 SPRINKLER HEAD SPACING CRITERIA DETAIL
Scale: No Scale



3 PIPE HANGER SUPPORT DETAIL
Scale: No Scale



7 SEMI-RECESSED PENDENT SPRINKLER DETAIL
Scale: No Scale

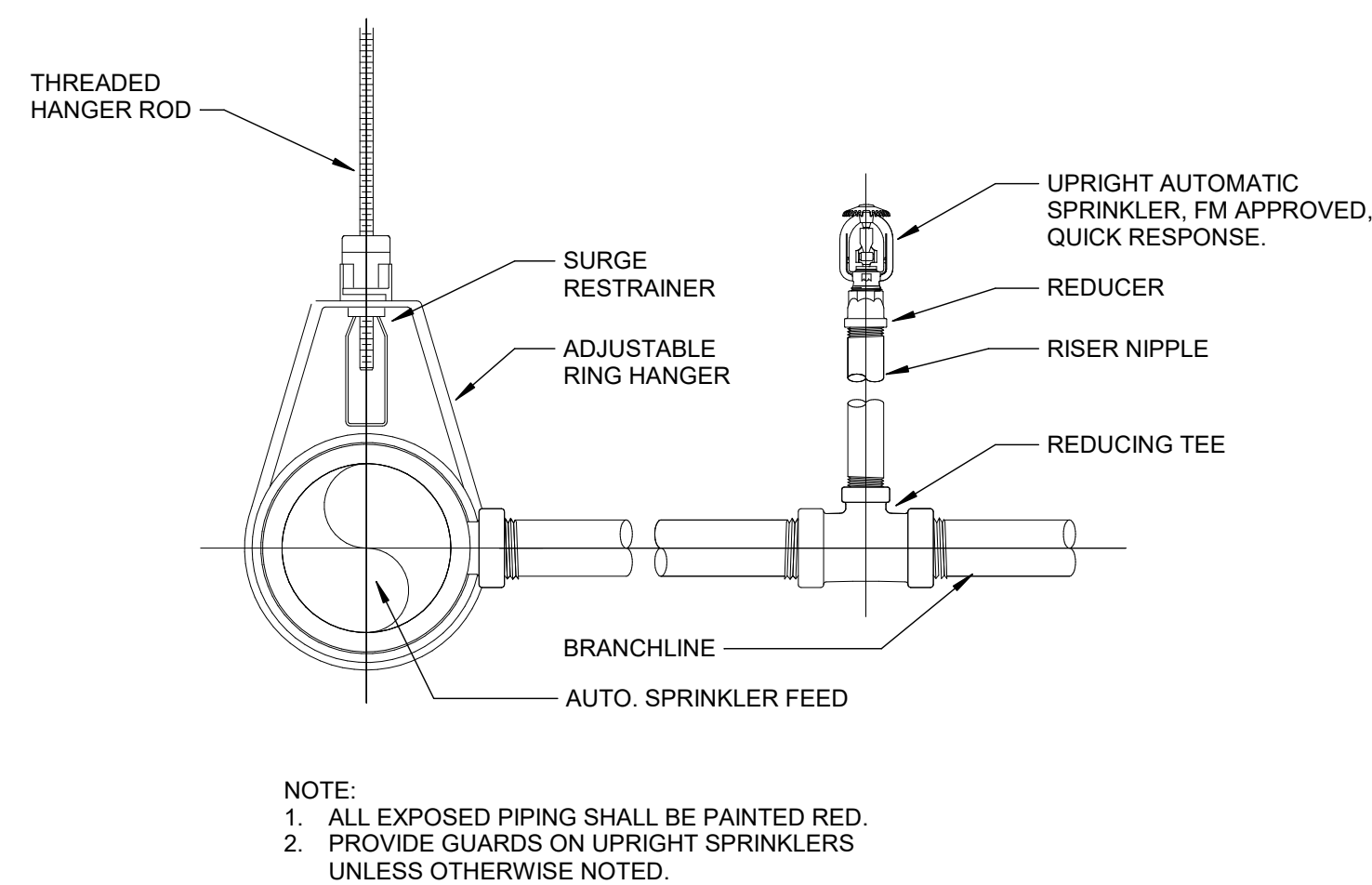


4 SPRINKLER ABOVE AND BELOW DUCT DETAIL
Scale: No Scale

FIRE SUPPRESSION SYMBOLS & ABBREVIATIONS		
NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT		
FL	FIRE LINE	FPC
DRAIN	FIRE DRAIN	FIRE PROTECTION CONTRACTOR
UPRIGHT SPRINKLER HEAD		EXTERIOR ALARM GONG (WATER ACTIVATED)
SEMI-RECESSED SPRINKLER HEAD		BACKFLOW PREVENTER
CONCEALED SPRINKLER HEAD		CHECK VALVE
PENDANT SPRINKLER HEAD		GATE VALVE
SIDEWALL SPRINKLER HEAD		TEST AND DRAIN ASSEMBLY
FIRE DEPARTMENT CONNECTION (FDC)		TAMPER SWITCH
NEW WORK KEYNOTE		FLOW SWITCH
DEMOLITION KEYNOTE		LIGHT HAZARD
POINT OF NEW CONNECTION		ORDINARY HAZARD GROUP 1 OCCUPANCY
LIMIT OF DEMOLITION		ORDINARY HAZARD GROUP 2 OCCUPANCY
		DETAIL MODULE NUMBER
		DETAIL OR SECTION MARK
		SHOWN ON DRAWING

INFECTION CONTROL MEASURES	
1.	CONTRACTOR SHALL COMPLY WITH THE VA'S INFECTION CONTROL RISK ASSESSMENT REQUIREMENTS AND WRITTEN DUST CONTROL PLAN.
2.	EXISTING AIR QUALITY REQUIREMENTS AND OTHER UTILITY REQUIREMENTS FOR OCCUPIED AREAS SHALL BE MAINTAINED.
3.	RENOVATION AREAS SHALL BE ISOLATED FROM OCCUPIED AREAS DURING CONSTRUCTION USING AIRTIGHT BARRIERS. PROVIDE EXHAUST AIRFLOW IN A MANNER THAT SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE. COORDINATE TEMPORARY BARRIERS WITH INTERIM LIFE SAFETY MEASURES.
4.	FIRE PROTECTION SYSTEM REVISIONS SHALL BE PROPERLY PERFORMED TO LIMIT WATERBORNE OPPORTUNISTIC PATHOGENS.
5.	CRUCIAL VENTILATION SPECIFICATIONS FOR AIR BALANCE AND FILTRATION SHALL BE VERIFIED BEFORE COR ACCEPTANCE.

BUILDING AND OCCUPANT SAFETY - INTERRUPTION OF FIRE PROTECTION SERVICE	
1.	DURING THE TIME THAT THE FIRE PROTECTION RENOVATION WORK IS BEING PERFORMED, AND THE FIRE PROTECTION SYSTEM IS OUT OF COMMISSION, CONTRACTOR SHALL HAVE SUFFICIENT PERSONNEL ON-SITE TO KEEP A "FIRE WATCH" ON THE FACILITY IN ACCORDANCE WITH VA REQUIREMENTS. AN OUT-OF-SERVICE TAG MUST BE PLACED AT THE FIRE ALARM PANEL AND THE FIRE DEPARTMENT CONNECTION. REFER TO INTERNATIONAL FIRE CODE CHAPTER 9, SECTION 901.7.
2.	FIRE WATCH PERSONNEL ARE TO KEEP WATCH FOR FIRES IN THE GENERAL AREA OF PERFORMANCE. THE PERSONS PERFORMING THE FIRE WATCH ARE NOT PERMITTED TO PERFORM ANY OTHER DUTIES.
3.	FIRE WATCH PERSONNEL ARE TO HAVE FIRE EXTINGUISHING EQUIPMENT READILY AVAILABLE AND TO BE TRAINED IN ITS USE.
4.	THE QUANTITY OF PERSONNEL INVOLVED IN THE FIRE WATCH IS TO BE ADEQUATE SUCH THAT EACH FLOOR, LEVEL, AND ROOM OF THE FIRE AREA IS COVERED.



1 UPRIGHT AUTOMATIC SPRINKLER DETAIL
Scale: No Scale

FIRE SUPPRESSION DEMOLITION GENERAL NOTES	
1.	LOCATIONS SHOWN FOR EXISTING FIRE PROTECTION PIPE AND EQUIPMENT ARE APPROXIMATE. FIELD VERIFY THE EXACT LOCATIONS OF EXISTING FIRE PROTECTION LINES AND EQUIPMENT INCLUDING RISERS AND VALVES PRIOR TO START OF WORK.
2.	COORDINATE WITH COR FOR ANY SHUTDOWNS OR PLANNED INTERRUPTIONS OF THE FIRE PROTECTION SERVICE. GIVE THE COR THREE (3) DAYS NOTICE PRIOR TO PLANNED SHUTDOWN OR INTERRUPTION.
3.	COORDINATE DEMOLITION OF FIRE PROTECTION PIPING WITH OTHER PIPING WHICH IS NOT TO BE REMOVED. PROTECT OTHER PIPING WHICH IS NOT TO BE REMOVED FROM DAMAGE, DIRT, AND DEBRIS.
4.	FIRE PROTECTION RELATED EQUIPMENT AND PIPING WHICH IS REMOVED FROM THE BUILDING IS TO BE TAKEN OFFSITE AND DISPOSED OF.
5.	REMOVE SPRINKLER MAINS, BRANCHES AND SPRINKLERS BACK TO THE ZONE CONTROL VALVE AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.

FIRE SUPPRESSION GENERAL NOTES	
1.	USE NFPA-13 (CURRENT EDITION), "PLANS AND CALCULATIONS CHAPTER" AS A GUIDELINE WHEN PREPARING SUBMITTALS FOR REVIEW. DISREGARD ONLY THOSE ITEMS NOT APPLICABLE TO THE INDIVIDUAL BUILDING SYSTEM. FIRE PROTECTION MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13 FOR THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEM.
2.	INSTALLATION SHALL COMPLY WITH NFPA AND VA REQUIREMENTS.
3.	REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND ROOM FINISH SCHEDULE WHICH INDICATE CEILING HEIGHTS. COORDINATE WITH ARCHITECT'S REFLECTED CEILING PLAN FOR LOCATION OF SPRINKLER HEADS IN AREAS WITH CEILINGS. LOCATE HEADS IN AREAS WITHOUT CEILINGS AS REQUIRED BY NFPA AND VA REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
4.	THIS FACILITY IS FULLY SPRINKLERED. FIRE SUPPRESSION SYSTEM SHALL BE WET PIPE TYPE SYSTEM WITH COMPLETE SPRINKLER PROTECTION UNLESS NOTED OTHERWISE. SYSTEM TO BE DESIGNED AS REQUIRED BY NFPA AND VA REQUIREMENTS FOR THE APPROPRIATE HAZARD CLASSIFICATION.
5.	SPRINKLER HEAD LAYOUTS INDICATED ARE BASED ON OCCUPANCY HAZARD CLASSIFICATIONS OUTLINED IN NFPA-13 AND VA STANDARDS.
6.	HYDRAULICALLY CALCULATE SPRINKLER DEMAND IN ACCORDANCE WITH REQUIREMENTS FOR APPROPRIATE HAZARD OCCUPANCY. PROVIDE ACTUAL NUMBER OF HEADS. REQUIRED SPACING AND PIPE ROUTING AS REQUIRED FOR CLEARANCE WITH STRUCTURAL CONDITIONS AND OTHER TRADES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM IN ACCORDANCE WITH NFPA AND VA REQUIREMENTS.
7.	FIRE PROTECTION CONTRACTOR SHALL OBTAIN FLOW TEST DATA INDICATING THE WATER FLOW, STATIC PRESSURE AVAILABLE WITH NO FLOW, AND RESIDUAL PRESSURE AT FULL FLOW TO THE FACILITY. SUBMIT HYDRAULIC CALCULATIONS AND PLANS RELATED TO A MINIMUM OF 1 REMOTE AREA FOR REVIEW.
8.	PIPING IS SHOWN IN SCHEMATIC FORM TO INDICATE APPROXIMATE ARRANGEMENT OF EQUIPMENT AND PIPING. SPRINKLER CONTRACTOR SHALL DESIGN THE SYSTEM AND ROUTE PIPING AS REQUIRED FOR CONFORMANCE WITH ACTUAL BUILDING CONDITIONS AND NFPA REQUIREMENTS. COORDINATE SPRINKLER WORK WITH ALL OTHER TRADES TO AVOID CONFLICT.
9.	SUPPORT NEW PIPING AND EQUIPMENT FROM STRUCTURE. PROVIDE ALL SUPPLEMENTAL STEEL TO SPAN BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS. DESIGN SUPPLEMENTAL STEEL AND SUPPORTS INCLUDING REACTION LOADS AT PRIMARY BUILDING STRUCTURAL MEMBERS.
10.	PROVIDE SPRINKLER HEADS IN CONCEALED LOCATIONS IN ACCORDANCE WITH NFPA REQUIREMENTS.
11.	CLEAN ENTIRE WORK AREA OF ALL DUST, DIRT, AND OTHER DEBRIS. MAINTAIN WORK AREA IN CLEAN CONDITION.
12.	PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, ETC. REQUIRED FOR COMPLETE AND FUNCTIONAL SYSTEM AS SPECIFIED AND INDICATED ON THE DRAWINGS.
13.	SUBMIT ONE COMPLETE SET OF AUTOMATIC SPRINKLER SYSTEM DRAWINGS, HYDRAULIC CALCULATIONS, CURRENT WATER FLOW TEST, AND THE EQUIPMENT DATA BROCHURES PREPARED BY OR UNDER THE SUPERVISION OF, AND SEALED BY A PROFESSIONAL ENGINEER.
14.	REPAIR OR REPLACE NON-CONFORMING AND INADEQUATE WORK AT NO ADDITIONAL COST TO THE VA.
15.	PROVIDE FIRE STOPS / SEALANT AT ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS. REVIEW ARCHITECTURAL PLANS PRIOR TO BIDDING AND INDICATE PENETRATIONS ON SPRINKLER LAYOUT SUBMITTAL.
16.	FLOW AND TAMPER SWITCHES ARE TO BE PURCHASED AND INSTALLED AS WORK OF DIVISION 21. PROVIDE WIRING TO FLOW AND TAMPER SWITCHES AS WORK OF DIVISION 26.
17.	WATER SERVICE AND DETECTOR TYPE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER TO BE PROVIDED AND TESTED AS WORK OF DIVISION 22. INCORPORATE ASSOCIATED PRESSURE DROP OF SELECTED BACKFLOW PREVENTER DEVICE IN HYDRAULIC CALCULATIONS.
18.	FURNISH AND INSTALL ARMORER SUPPORTS FOR ALL END OF LINE BRANCH LINES IN ACCORDANCE WITH NFPA-13.
19.	ALL DROPS TO SPRINKLER HEADS SHALL TEE / ELBOW OFF TOP OF BRANCH PIPE, EXCEPT WHERE STRUCTURAL, ARCHITECTURAL OR MECHANICAL EQUIPMENT CONDITIONS PRECLUDE CONNECTION AT TOP OF PIPE.
20.	SPRINKLER HEADS SHALL BE IN A SYMMETRICAL PATTERN, NOT NECESSARILY IN THE CENTER OF ROOMS OR CORRIDORS. LOCATE CENTERED IN CEILING TILE WHERE POSSIBLE.
21.	LOCATE THE INSPECTOR'S TEST CONNECTION AND MAIN DRAIN LOCATIONS IN ACCORDANCE WITH NFPA-13.
22.	FIRE DEPARTMENT CONNECTION SHALL BE LOCATED NOT MORE THAN 100 FEET AWAY FROM THE NEAREST FIRE HYDRANT CONNECTED TO AN APPROVED WATER SUPPLY AND SHALL BE LOCATED NOT LESS THAN 18 INCHES, NOR MORE THAN 48 INCHES ABOVE ADJACENT SURFACE.
23.	STANDPIPES SHALL BE PROVIDED IN EACH REQUIRED EGRESS STAIRWAY, WITH 4 INCH DIAMETER MINIMUM SIZE.
24.	CLASS 1 SYSTEM SHALL BE PROVIDED WITH 2 1/2 INCH HOSE CONNECTIONS AT EACH INTERMEDIATE LANDING BETWEEN FLOORS IN EACH REQUIRED EGRESS EXIT STAIRWAY. COORDINATE TYPE OF HOSE CONNECTIONS WITH THE LOCAL FIRE DEPARTMENT.
25.	THE SCOPE OF FIRE PROTECTION WORK ON THIS PROJECT INCLUDES SOME REPLACEMENT OF FIRE PROTECTION SPRINKLER HEADS IN THE EVENT OF DAMAGE DURING CONSTRUCTION.

BID DEDUCT ALTERNATES	
★	DELETE ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 5. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.
★	THIS BID DEDUCT INCLUDES BID DEDUCT ALTERNATE 1 AND DELETES ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 2. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.
★	THIS BID DEDUCT INCLUDES BID DEDUCT ALTERNATE 1 AND 2 AND DELETES ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 7. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.

WALL RATING LEGEND	
1 HR - FIRE SEPERATION	
2 HR - FIRE SEPERATION	
SMOKE RESISTIVE HAZARDOUS AREA	

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

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PLUMBING ABBREVIATIONS			
AE	ARCHITECT/ENGINEER	F	FAHRENHEIT
AC	ABOVE CEILING	FA	FROM ABOVE
AD	AREA DRAIN	FB	FROM BELOW
AF	ABOVE FINISHED FLOOR	FBO	FURNISHED BY OTHERS
AF	AIR GAP	FCO	FLOOR CLEANOUT
AP	ACCESS PANEL	FCW	FILTERED COLD WATER
AS	AUTOMATIC SPRINKLER	FD	FLOOR DRAIN
AFG	ABOVE FINISHED GRADE	FDC	FIRE DEPARTMENT (HOSE) CONNECTION
ASD	ADJUSTABLE SPEED DRIVE	FM	FLOW METER
ASHRAE	AMERICAN SOCIETY HEATING, REFRIGERATING, AIR CONDITIONING ENGINEERS	FOP	FUEL OIL PUMP
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	FOR	FUEL OIL RETURN
ASPE	AMERICAN SOCIETY PLUMBING ENGINEERS	FOS	FUEL OIL SUPPLY
ASR	AUTOMATIC SPRINKLER RISER	FOV	FUEL OIL VENT
AV	ACID VENT	FS	FLOOR SINK
AW	ACID WASTE	FU	FIXTURE UNITS
		G	GALLON
		GCO	GENERAL CONTRACTOR
BAS	BUILDING AUTOMATION SYSTEM	GD	GARBAGE DISPOSAL
BF	BELOW FLOOR	GPD	GALLONS PER DAY
BFP	BACKFLOW PREVENTER	GPH	GALLONS PER HOUR
BG	BELOW GRADE	GPM	GALLONS PER MINUTE
BH	BOOSTER HEATER	GPR	GAS PRESSURE REGULATOR
BHP	BREAK HORSEPOWER	GRS	GAS REGULATOR STATION
BJ	BETWEEN JOISTS	GT	GREASE TRAP
BOP	BOTTOM OF PIPE	GVTR	GAS VENT THROUGH ROOF
BSIP	BLACK STEEL PIPE	QWH	GAS FIRED WATER HEATER
BT	BATHTUB		
BTUH	BRITISH THERMAL UNITS PER HOUR	H&CW	HOT AND COLD WATER
		HB	HOSE BIBB (INTERIOR)
C	CELSIUS	HD	HUB DRAIN
CF	COMBINATION FIXTURE	HEX	HEAT EXCHANGER
CGA	COMPRESSED GAS ASSOCIATION	HP	HORSEPOWER
CI	CAST IRON	HS	HAND SINK
CO	CLEANOUT	HST	HOT WATER STORAGE TANK (DOMESTIC)
COND	CONDENSATE	HWB	HOT WATER BOILER
CP	CONDENSATE PUMP	HWCP	HOT WATER CIRCULATING PUMP
CS	CLINICAL SINK	HWP	HOT WATER PUMP
CV	CONTROL VALVE	HYD	HYDRANT
		ICW	INDUSTRIAL COLD WATER
DA	DENTAL COMPRESSED AIR	INV	INVERT
DCW	DOMESTIC COLD WATER	IPC	INTERNATIONAL PLUMBING CODE
DHW	DOMESTIC HOT WATER	IRW	IRRIGATION WATER
DHWR	DOMESTIC HOT WATER RETURN	IW	INDIRECT WASTE
DHWS	DOMESTIC HOT WATER SUPPLY	IWH	INSTANTANEOUS WATER HEATER
DF	DRINKING FOUNTAIN	IWR	INDUSTRIAL WATER RETURN
DI	DEIONIZED WATER	IWS	INDUSTRIAL WATER SUPPLY
DN	DOWN		
DOE	DEPARTMENT OF ENERGY	KW	KILOWATT
DSP	DOWNSPOUT	KWHR	KILOWATT-HOUR
DV	DENTAL VACUUM		
DW	DISHWASHER	L/S	LITER PER SECOND
DWG	DRAWING	LA	LABORATORY AIR
DWH	DOMESTIC WATER HEATER	LAV	LAVATORY
DWR	DRINKING WATER RETURN	LBS/HR	POUNDS PER HOUR
DWS	DRINKING WATER SUPPLY	LCW	LABORATORY COLD WATER
DWT	DOMESTIC WATER TEMPERED	LHW	LABORATORY HOT WATER
DWV	DRAIN WASTE VENT	LNG	LIQUID NATURAL GAS
		LOX	LIQUID OXYGEN
EC	ELECTRICAL CONTRACTOR	LV	LABORATORY VACUUM
EL	ELEVATION	LW	LOW WATER
EMCS	ENERGY MONOSERRAT AND CENTRAL SYSTEM		
EPA	ENVIRONMENTAL PROTECTION AGENCY	M	METER
EPACT	ENERGY POLICY ACT	MA	MEDICAL AIR
ESC	ESCUTCHEON	MAV	MANUAL AIR VENT
ESH	EMERGENCY SHOWER	MBH	THOUSANDS OF BTU PER HOUR
ET	EXPANSION TANK	MC	MECHANICAL CONTRACTOR
EWC	ELECTRIC WATER COOLER	MED	MEDICAL
EWH	ELECTRIC WATER HEATER	MER	MECHANICAL EQUIPMENT ROOM
EWS	EYEWASH STATION	MH	MANHOLE
EX	EXISTING	MOU	MEMORANDUM OF UNDERSTANDING
		MSB	NOP SINK BASIN
		MV	MEDICAL VACUUM
		N2	NITROGEN
		NZO	NITROUS OXIDE
		NC	NORMALLY CLOSED
		NG	NATURAL GAS
		NIC	NOT IN CONTRACT
		NO	NORMALLY OPEN
		NOM	NOMINAL
		NPW	NON POTABLE WATER
		NTS	NOT TO SCALE

PLUMBING SYMBOLS	
	PIPE SLOPE ARROW
	FLOW ARROW
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	3-WAY CONTROL VALVE
	ANGLE GATE VALVE
	ANGLE GLOBE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	CIRCUIT SETTER
	CONTROL VALVE
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE (WATER)
	PRESSURE REGULATOR (GAS)
	SAFETY RELIEF VALVE
	TWO POSITION CONTROL VALVE
	BACKFLOW PREVENTER
	HOSE BIBB / SILLCOCK
	AUTOMATIC AIR VENT
	PRESSURE GAUGE
	THERMOMETER
	FLOW SWITCH
	PRESSURE SWITCH
	TEMPERATURE SWITCH
	PIPE UNION
	WYE STRAINER
	WYE STRAINER WITH DRAIN VALVE
	PUMP
	FLOOR DRAIN - ROUND OR SQUARE
	FLOOR CLEANOUT
	SUSPENDED CLEANOUT
	WALL CLEANOUT
	PIPE CAP
	PIPE TURNING DOWN
	PIPE TURNING UP
	TEE UP
	TEE DOWN
	DROP AND RUN
	DROP AND TURN
	TEE OFF TOP
	TEE OFF BOTTOM
	CROSS AND RISER
	PLAN 90° ELBOW
	PIPE TEE
	FLEXIBLE PIPE CONNECTOR
	PIPE ANCHOR
	PIPE GUIDES
	WATER METER

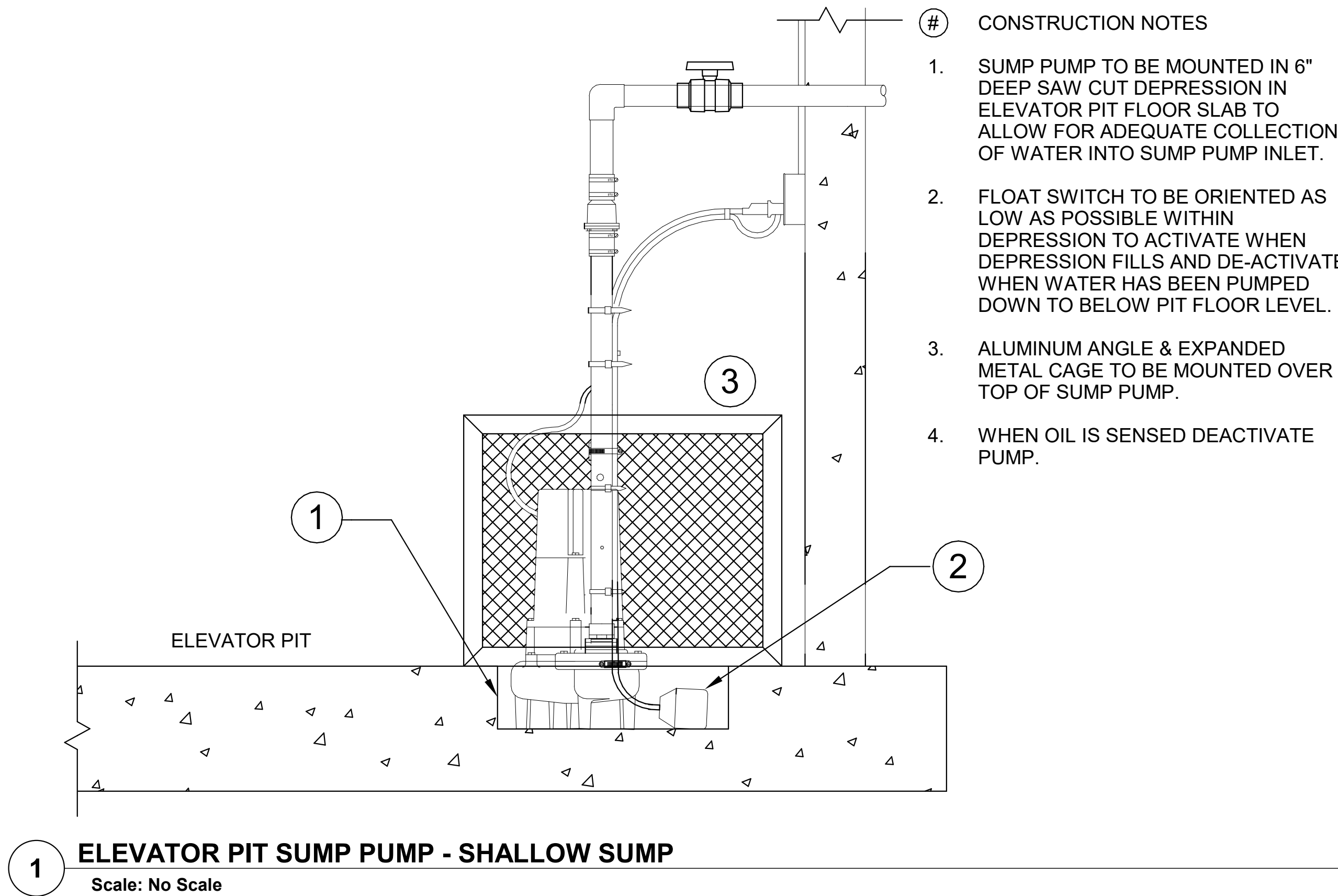
PLUMBING SYMBOLS	
PIPING SYSTEM	
—AW—	AW ACID WASTE
—CA—	CA COMPRESSED AIR
—CD—	CD CONDENSATE DRAIN
—CO2—	CO2 CARBON DIOXIDE
—NG—	NG NATURAL GAS
—GW—	GW GREASE WASTE
—MA—	MA MEDICAL AIR
—N2—	N2 NITROGEN
—N2O—	N2O NITROUS OXIDE
—OFD—	OFD OVERFLOW STORM DRAIN
—OW—	OW OIL WASTE
—O2—	O2 OXYGEN
—PD—	PD PUMP DISCHARGE
—PG—	PG PROPANE GAS
—ST—	ST STORM
—VAC—	VAC VACUUM
—WAGD—	WAGD WASTE ANESTHETIC GAS DISPOSAL
—SAN—	SAN SANITARY WASTE
—AV—	AV ACID VENT
—OV—	OV OIL VENT
—V—	V SANITARY VENT
—DCW—	DCW DOMESTIC COLD WATER
—DI—	DI DE-IONIZED WATER
—NPCW—	NPCW NONPOTABLE COLD WATER
—RO—	RO REVERSE OSMOSIS WATER
—SCW—	SCW SOFTENED COLD WATER
—DHW—	DHW DOMESTIC HOT WATER
—HW 140—	DHW 140 DOMESTIC HOT WATER (OTHER TEMP)
—DCWR—	DCWR DOMESTIC CW RECIRCULATION
—DHWHR—	DHWHR DOMESTIC HW RECIRCULATION
—DWT—	DWT DOMESTIC WATER TEMPERED

ANNOTATION SYMBOLS	
	NEW WORK KEYNOTE
	DEMOLITION KEYNOTE
NEW	BOLD TEXT INDICATES NEW ITEM
EXISTING	ITALICIZED TEXT INDICATES EXISTING ITEM
	DETAIL MODULE NUMBER
	DETAIL OR SECTION MARK
	SHOWN ON DRAWING
	CONNECT TO EXISTING
	LIMIT OF DEMOLITION
	NEW PLUMBING EQUIPMENT MARK
	EXISTING PLUMBING EQUIPMENT MARK

PLUMBING DEMOLITION GENERAL NOTES	
1.	VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY COR REGARDING CONFLICTS BEFORE PROCEEDING WITH WORK.
2.	REMOVED ITEMS REMAIN PROPERTY OF GOVERNMENT UNTIL COR DETERMINES THAT THEY ARE NOT REQUIRED. REMOVE FROM SITE ITEMS NOT BEING RETAINED BY GOVERNMENT OR REINSTALLED AS PART OF THIS WORK.
3.	DO NOT DISTURB ITEMS NOT INDICATED FOR DEMOLITION.
4.	VERIFY SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. RELOCATE, REMOVE AND ADJUST MECHANICAL AND ELECTRICAL ITEMS AS NECESSARY TO COORDINATE WITH NEW WORK.
5.	AFTER DEMOLITION IS COMPLETE, PATCH AND REPAIR FINISHES TO MATCH EXISTING ADJACENT CONDITIONS.
6.	COORDINATE DEMOLITION WITH COR. SUBMIT SHUTDOWN PLAN AND SCHEDULE TO COR FOR REVIEW AND APPROVAL.
7.	PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING DEMOLITION. REPAIR UTILITIES AND SERVICES DAMAGED AT NO ADDITIONAL COST.
8.	TEMPORARILY MOVE OR TAKE EQUIPMENT OUT OF SERVICE AS NECESSARY TO COMPLETE WORK.
9.	SAWCUT CONCRETE FLOOR AS REQUIRED FOR DEMOLITION WORK INDICATED. COORDINATE WITH NEW PLUMBING WORK AND WORK OF OTHER TRADES.

PLUMBING GENERAL NOTES	
1.	WORK SHALL CONFORM TO APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
2.	INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
3.	OBTAIN AND PAY FOR PERMITS, FEES, AND INSPECTIONS REQUIRED FOR THIS WORK.
4.	PROVIDE NEW MATERIALS, EQUIPMENT AND PRODUCTS INCORPORATED IN THE WORK, OF A SUITABLE GRADE FOR THE PURPOSES INTENDED.
5.	EQUIPMENT OR MATERIAL DEVIATIONS FROM INDICATED CONTRACT REQUIREMENTS ARE SUBJECT TO THE APPROVAL OF THE COR. SUBMIT PROPOSED EQUIPMENT DEVIATIONS THAT ARE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED, AS SOLELY DETERMINED BY THE COR.
6.	INSTALL EQUIPMENT AS INDICATED, ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR EQUIPMENT MAINTENANCE, REPAIRS, AND REPLACEMENT.
7.	AT EACH PLUMBING FIXTURE WITH QUICK CLOSING VALVES, PROVIDE A PISTON TYPE WATER HAMMER ARRESTOR SIZED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
8.	SANITARY DRAINAGE PIPING INDICATED IS LOCATED BELOW FLOOR SLAB OR WITHIN WALLS UNLESS NOTED OTHERWISE. SANITARY VENT PIPING INDICATED IS ABOVE THE CEILING OR WITHIN WALLS UNLESS NOTED OTHERWISE.
9.	SUPPORT PIPING SYSTEM AS REQUIRED BY APPLICABLE LOCAL, STATE, AND NATIONAL CODES ALONG WITH SPECIFICATIONS, VA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
10.	FIRESTOP AND SEAL PIPING PENETRATIONS THROUGH WALLS AND FLOORS EQUAL TO THE RATING OF WALLS AND FLOORS.
11.	TEST PLUMBING SYSTEM IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
12.	COORDINATE PLUMBING PIPING WITH WORK OF OTHER DISCIPLINES.
13.	DISINFECT DOMESTIC WATER SYSTEM IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
14.	PROVIDE SHUT OFF VALVES AT BRANCH PIPING TO FIXTURES.
15.	COORDINATE PLUMBING WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION. COORDINATE ROUTING OF PIPING WITH EXISTING CONDITIONS.
16.	PROVIDE ALL NECESSARY OFFSETS, TEES, ELBOWS, ETC. FOR A COMPLETE AND COORDINATED WORKING PLUMBING SYSTEM. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS.
17.	CONTRACTOR SHALL COORDINATE ANY PLUMBING SYSTEM REQUIRED SHUTDOWN WITH THE COR 2 WEEK IN ADVANCE AND CONFIRM 48 HOURS PRIOR.
18.	PATCH, PAINT AND CLEAN SURFACES SUSTAINING DAMAGE ASSOCIATED WITH PLUMBING WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE.
19.	INSTALL ESCUTCHEONS IN ALL PLACES WHERE PIPING PENETRATES A WALL IN AN EXPOSED LOCATION.
20.	DO NOT INSTALL PIPES ABOVE TELECOM OR ELECTRICAL EQUIPMENT.

BID DEDUCT ALTERNATES	
★	DELETE ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 5. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.
★	THIS BID DEDUCT INCLUDES BID DEDUCT ALTERNATE 1 AND DELETES ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 2. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.
★	THIS BID DEDUCT INCLUDES BID DEDUCT ALTERNATE 1 AND 2 AND DELETES ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 7. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.



- ③ CONSTRUCTION NOTES
- SUMP PUMP TO BE MOUNTED IN 6" DEEP SAW CUT DEPRESSION IN ELEVATOR PIT FLOOR SLAB TO ALLOW FOR ADEQUATE COLLECTION OF WATER INTO SUMP PUMP INLET.
 - FLOAT SWITCH TO BE ORIENTED AS LOW AS POSSIBLE WITHIN DEPRESSION TO ACTIVATE WHEN DEPRESSION FILLS AND DE-ACTIVATE WHEN WATER HAS BEEN PUMPED DOWN TO BELOW PIT FLOOR LEVEL.
 - ALUMINUM ANGLE & EXPANDED METAL CAGE TO BE MOUNTED OVER TOP OF SUMP PUMP.
 - WHEN OIL IS SENSED DEACTIVATE PUMP.

PUMP SCHEDULE										
MARK	LOCATION	TYPE	FLUID	FLOW GPM	HEAD FT WG	ELECTRICAL MOTOR				
						NOMINAL POWER HP	PHASE	VOLT	R.P.M.	REMARKS
1-P7-SP	ELEVATOR PIT SERVING BUILDING 1 ELEVATOR P7 AND P8	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750	1, 2
1-P11-SP	ELEVATOR PIT SERVING BUILDING 1 ELEVATOR P11	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750	1, 2
1-P12-SP	ELEVATOR PIT SERVING BUILDING 1 ELEVATOR P12 AND S13	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750	1, 2
1-P16-SP	ELEVATOR PIT SERVING BUILDING 1 ELEVATOR P16 AND P17	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750	1, 2
2-P1-SP	ELEVATOR PIT SERVING BUILDING 2 ELEVATOR P1	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750	1, 2
5-P1-SP	ELEVATOR PIT SERVING BUILDING 5 ELEVATOR P1	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750	2
7-S1-SP	ELEVATOR PIT SERVING BUILDING 7 ELEVATOR S1	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750	2

- NOTES: 1) PROVIDE FOR MIN 24" BY 24" BY 6" DEEP SUMP. PUMP MUST BE ABLE TO WORK WITH A VERY SHALLOW (6") SUMP.
2) PROVIDE WITH FLOAT SWITCH AND OIL SMART 115V/1-PHASE PLUG AND CORD CONTROL PANEL IN NEMA 4X ENCLOSURE.

WALL RATING LEGEND	
	1 HR - FIRE SEPERATION
	2 HR - FIRE SEPERATION
	SMOKE RESISTIVE HAZARDOUS AREA

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

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ANNOTATION SYMBOLS	
	NEW WORK KEYNOTE
	DEMOLITION KEYNOTE
NEW	BOLD TEXT INDICATES NEW ITEM
<i>EXISTING</i>	ITALICIZED TEXT INDICATES EXISTING ITEM
	DETAIL MODULE NUMBER
	DETAIL OR SECTION MARK SHOWN ON DRAWING
	CONNECT TO EXISTING
	LIMIT OF DEMOLITION
	DIFFUSER TAG
	EQUIPMENT TAG

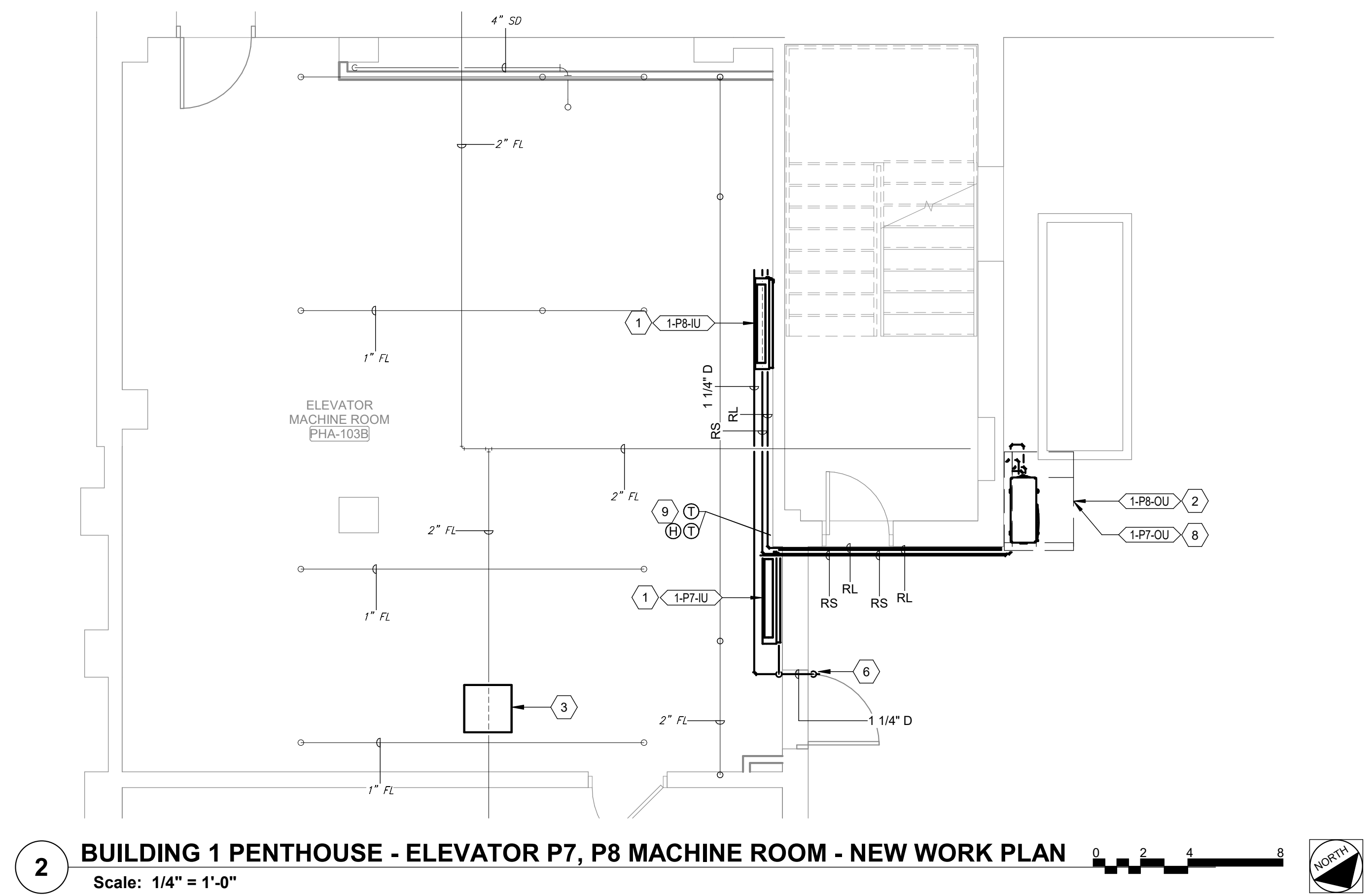
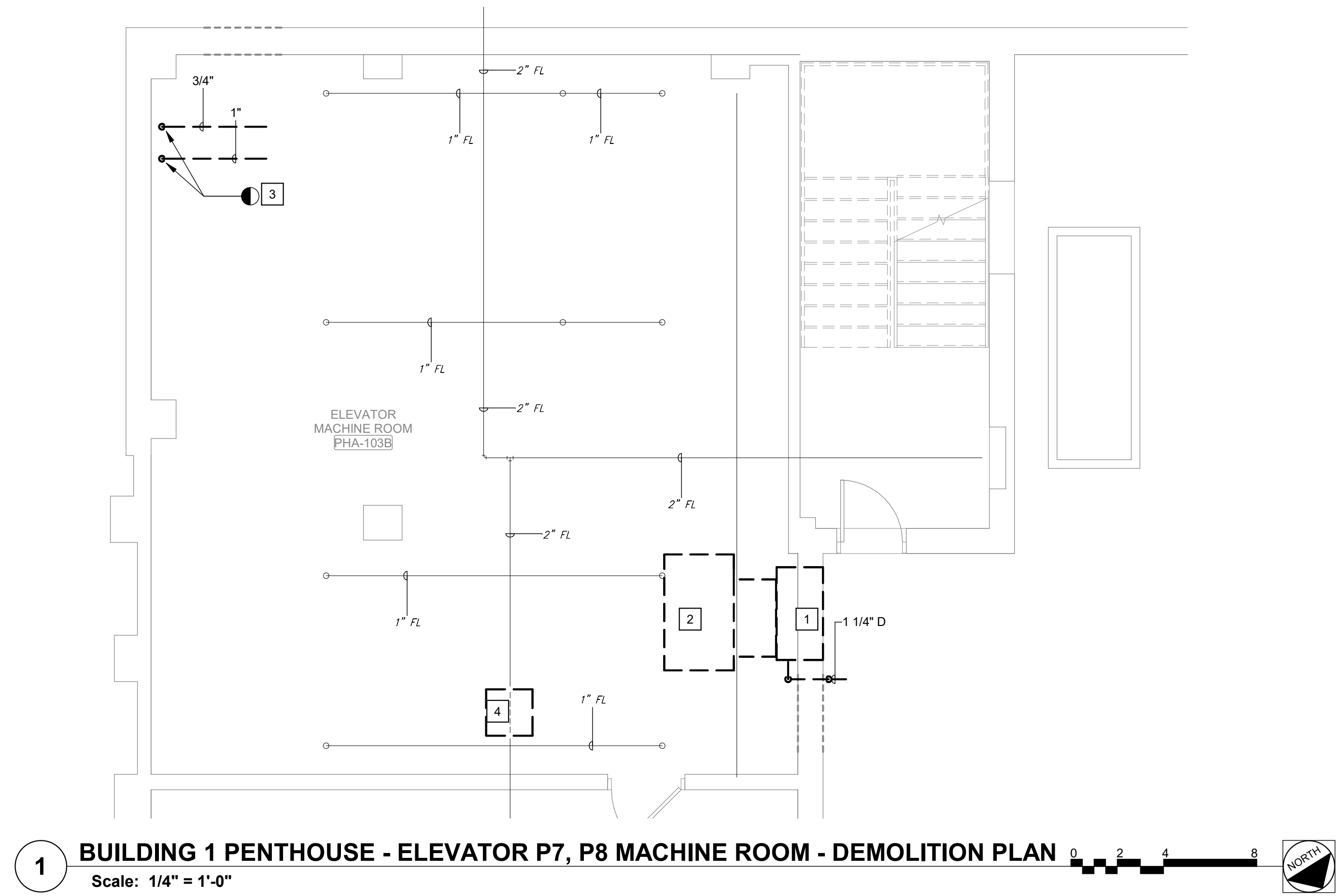
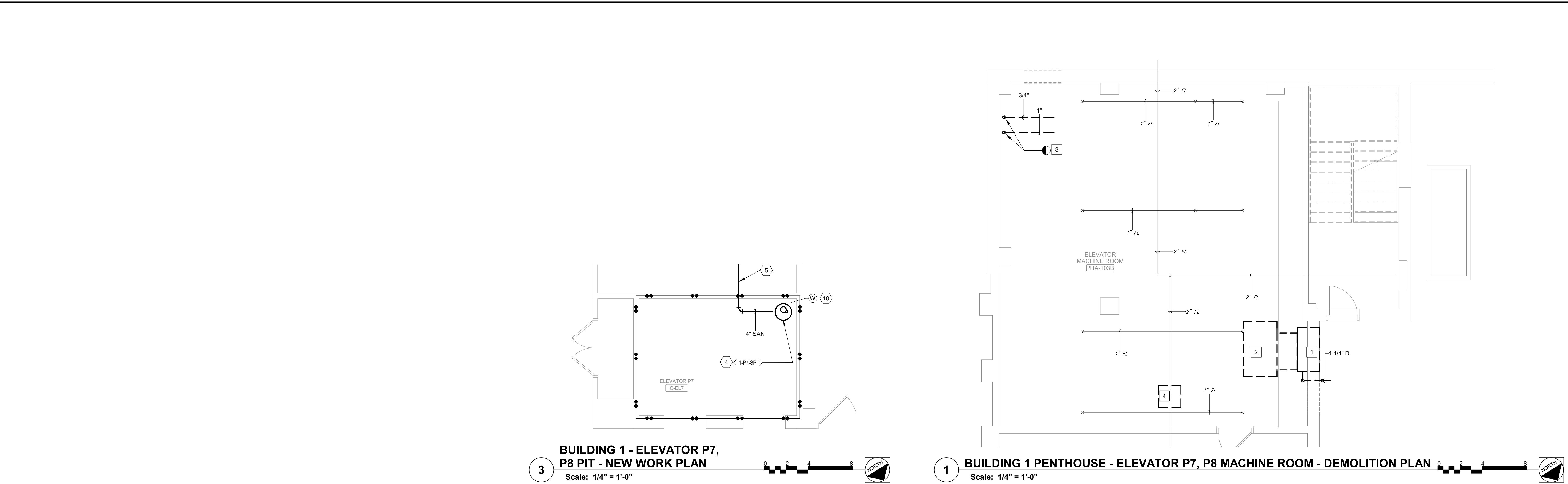
MECHANICAL ABBREVIATIONS	
A/E	ARCHITECT / ENGINEER
AAHX	AIR TO AIR HEAT EXCHANGER
AB	AIR BLENDER
AAV	AUTOMATIC AIR VENT
ACC	AIR-COOLED CONDENSER
ACCH	AIR-COOLED CHILLER
ACCU	AIR-COOLED CONDENSING UNIT
ACU	AIR CONDITIONING UNIT
ACD	AUTOMATIC CONTROL DAMPER, MODULATING
ACD-TP	AUTOMATIC CONTROL DAMPER, TWO POSITION
AD	ACCESS DOOR
AF	AFTER FILTER
AFCV	AIR FLOW CONTROL VALVE
AFI	ABOVE FINISHED FLOOR
AFMD	AIR FLOW MEASURING DEVICE
AFW	AIR FOIL WHEEL (FAN)
AHU	AIR HANDLING UNIT
AMP	AMPERAGE
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARI	AIR CONDITIONING AND REFRIGERATION INSTITUTE
AS	AIR SEPARATOR
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AW	AIR WASHER
AXF	AXIAL FLOW
B	BOILER
BD	BUTTERFLY DAMPER
BDD	BACKDRAFT DAMPER
BDR	BASE BOARD RADIATOR
BFP	BACKFLOW PREVENTER
BFT	BOILER PLANT FIRE TUBE
BHP	BRAKE HORSEPOWER
BHW	HOT WATER HEATING BOILER
BHX	BOILER BLOWDOWN HEAT EXCHANGER
BIW	BACKWARD INCLINED WHEEL (FAN)
BSC	BIOLOGICAL SAFETY CABINETS
BT	BUFFER TANK
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
C	CENTIGRADE (CELSIUS)
CC	COOLING COIL
CCD	COOLING COIL CONDENSATE DRAIN
CENT	CENTRIFUGAL
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CF	CUBIC FEET
CFP	CHEMICAL FEED PUMP
CH	CHILLER
CHWP	CHILLED WATER PUMP
CHW	CHILLER WATER
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST IRON
CM	CARBON MONOXIDE
CM	CUBIC METER
CM/S	CUBIC METER PER SECOND
CO2	CARBON DIOXIDE
COMP	COMPRESSOR UNIT
CP	COEFFICIENT OF PERFORMANCE
CD	CONDENSATE PUMP
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONSTANT VOLUME
CW	COLD WATER (POTABLE)
CHWCC	CHILLED WATER COOLING COIL
D	DAMPER - AUTOMATIC
D-1	OUTDOOR AIR DAMPER
D-2	RETURN AIR DAMPER
D-3	RELIEF AIR DAMPER
D-4	ECONOMIZER OUTDOOR AIR DAMPER
dB	DECIBELS
DDC	DRY-BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DF	DIFFUSER
DA	DIAMETER
DIW	DEIONIZED WATER
ID	DEW POINT TEMPERATURE
DP	DIFFUSER PLATE
DPA	DIFFERENTIAL PRESSURE
DPS	DIFFERENTIAL PRESSURE SENSOR
DX	DIRECT EXPANSION
DXCC	DIRECT EXPANSION COOLING COIL
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EGS	EMERGENCY GAS SHUTOFF
EHD	EXHAUST HOOD
EJ	EXPANSION JOINT
EMD	END OF MAIN DRIP (STEAM)
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
FAT	FAHRENHEIT
F&T	FLOAT AND THERMOSTATIC COMBINATION FIRE SMOKE DAMPER
F/SDPR	FREE AREA
FA	FLEXIBLE CONNECTION
FC	FAN COIL UNIT (4 PIPE)
FCU	FORWARD CURVED WHEEL (FAN)
FCW	FLOOR DRAIN
FD	FIRE DAMPER
FF	FINAL FILTER
FM	FLOW METER
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPP	FIBER REINFORCED POLYESTER
FS	FLOW SWITCH
FSTAT	FREESTAT
FEET	FEET
FT-LB	FOOT-POUND
FTR	FIN TUBE RADIATION
FV	FACE VELOCITY
GA	GAUGE
GAL	GALLONS
GH	GRAVITY HOOD
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GS	GALVANIZED STEEL
H	HUMIDIFIER
H&CW	HOT & COLD WATER
HAC	HOUSEKEEPING AID CLOSET
HB	HOSE BIBB
HC	HEATING COIL
HD	HEAD
HO	HOOD
HHW	HEATING HOT WATER
HHWC	HEATING HOT WATER COIL
HHWP	HEATING HOT WATER PUMP
HHWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HOA	HAND/OFF/AUTOMATIC
HP	HEAT PUMP
HPD	HORSEPOWER
HPDT	HIGH PRESSURE DRIP TRAP
HPR	HIGH PRESSURE RETURN (STEAM CONDENSATE)
HPS	HIGH PRESSURE SUPPLY (STEAM)
HRC	HEAT RECOVERY COIL
HRO	HEAT RECOVERY DEVICE
HRD	HYDRONIC RADIANT (CEILING) PANEL
HRW	HEAT RECOVERY WHEEL
HSTAT	HUMIDISTAT
HUM	HUMIDIFIER UNIT MOUNTED
HVV	HEATING AND VENTILATING UNIT
HW	HOT WATER
HWC	HOT WATER COIL
HWH	HOT WATER UNIT HEATER
HV	HEAT EXCHANGER
HZ	HERTZ
IO	INPUT/OUTPUT
IAQ	INDOOR AIR QUALITY
IBT	INVERTED BUCKET TRAP
ICF	INLINE CENTRIFUGAL FAN
ICU	INTENSIVE CARE UNIT
ID	INSIDE DIAMETER
IFB	INTEGRAL FACE AND BYPASS
IN	INCHES
IN HG	INCHES OF MERCURY
IN WC	INCH WATER COLUMN
IN WG	INCH WATER GAUGE
INLB	INCH-POUND
IPLV	INTEGRATED PART LOAD VALVE
IRH	INFRARED HEATER
IS	INSECT SCREEN
IV	INLET VANES
kg	KILOGRAM
kg/Hr	KILOGRAM PER HOUR
KPa	KILOPASCAL
KW	KILOWATT
KWh	KILOWATT HOUR
L	LITER
L/s	LITERS PER SECOND
LAT	LEAVING AIR TEMPERATURE
LB/SR	POUNDS PER HOUR
LF	LINEAR FOOT (FEET)
LH	LATENT HEAT
LPR	LOW PRESSURE RETURN (STEAM CONDENSATE)
LPS	LOW PRESSURE SUPPLY (STEAM)
LSD	LINEAR SLOT DIFFUSER
LTC	LOCAL TEMPERATURE CONTROL
LTPC	PANEL
LVG	LEAVING
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
M	METER, SI UNIT
M	METERS PER SECOND (OR METER PER SECOND)
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
SPS	MANUAL AIR VENT
MA	MAXIMUM
MB	MIXING BOX
MBH	1000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMACITY
MER	MECHANICAL EQUIPMENT ROOM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MHP	MOTOR HORSEPOWER
MIN	MINIMUM
MM	MILLIMETER
MOV	MOTOR OPERATED VALVE
MPS	MEDIUM PRESSURE RETURN (STEAM CONDENSATE)
MPS	MEDIUM PRESSURE SUPPLY (STEAM)
MTC	MEAN TEMPERATURE DIFFERENCE
MVD	MANUAL VOLUME DAMPER
NA	NOT APPLICABLE
NC	NOISE CRITERIA
NO	NORMALLY CLOSED
NOA	NORMALLY OPEN
NOAA	NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
NOM	NOMINAL
NPLV	NON-STANDARD PART LOAD VALVE
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OSA	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
OR	OPERATING ROOM
OSA	OUTSIDE SUPPLY AIR (CONDITIONED)
P	PUMP
PC	PUMPED CONDENSATE
PCF	POUNDS PER CUBIC FOOT (FEET)
PD	PRESSURE DROP
PF	PRE-FILTER
PG	PRESSURE GAGE
PHC	PREHEAT COIL
PHCP	PREHEAT COIL PUMP
PPM	PARTS PER MILLION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
PSIG	POUNDS PER SQUARE INCH - GAGE
PSG	PRIMARY SECONDARY SYSTEM
PSV	PRESSURE SAFETY VALVE
R/E	RETURN OR EXHAUST
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RDS	ROOM DATA SHEETS
REA	RELIEF AIR
RF	RETURN FAN
RG	RETURN GRILLE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RL	REFRIGERANT LIQUID LINE
RUN	RUN LOAD AMPERE
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RTU	ROOF TOP UNIT
RV	RELIEF VALVE
SA	SUPPLY AIR
SAD	SOUND ATTENUATING DEVICE
SAT	SUPPLY AIR TEMPERATURE
SC	SHADING COEFFICIENT
SCFM	STANDARD CUBIC FEET PER MINUTE
SCR	SILICON CONTROLLED RECTIFIER
SD	SUPPLY AIR DIFFUSER
SDPR	SMOKE DAMPER
SDR	SMOKE DAMPER (RETURN)
SDS	SMOKE DAMPER (SUPPLY)
SEN	SENSIBLE HEAT
SH	SUPPLY FAN
SH	STEAM HUMIDIFIER
SHC	STEAM HEATING COIL
SQ	SQUARE INCHES
SP	STATIC PRESSURE
SP GR	SPECIFIC GRAVITY
SPD	SUPPLY PROCESS AND DISTRIBUTION
SPRV	STEAM PRESSURE REDUCING VALVE
SPS	STATIC PRESSURE SENSOR
SO FT	SQUARE FOOT (FEET)
SR	SUPPLY AIR REGISTER
SS	STAINLESS STEEL
SSR	SOLID SEPARATOR
ST	STEAM TRAP
SV	STEAM SAFETY VALVE
SVS	STEAM VENT SILENCER
T & PCV	TEMPERATURE AND PRESSURE CONTROL VALVE
TAB	TESTING, ADJUSTING, BALANCE
TD	TEMPERATURE DIFFERENCE
TDH	TOTAL DYNAMIC HEAD
TDS	TOTAL DISSOLVED SOLIDS
TP	TRAP
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TU	TERMINAL UNIT
UC	UNDER CUT
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
V	VALVE
VAF	VANE-AXIAL FAN
VAV	VARIABLE AIR VOLUME
VMD	VOLUME DAMPER (MANUAL OPPOSED BLADE)
VFD	VARIABLE FREQUENCY DRIVE
VHA	VETERANS HEALTH ADMINISTRATION
VI	VIBRATION ISOLATOR
VP	VACUUM PUMP
VPS	VARIABLE PRIMARY SYSTEM
VPS	VACUUM (STEAM CONDENSATE) RETURN
VSD	VARIABLE SPEED DRIVE
VUH	VERTICAL UNIT HEATER
W	WATTS
Wb	WET-BULB (TEMPERATURE)
WFCV	WATER FLOW CONTROL VALVE
WFM	WATER FLOWMETER
WFMD	WATER FLOW MEASURING DEVICE
WG	WATER GAGE
WPD	WATER SIDE PRESSURE DROP
XT	EXPANSION TANK
YR	YEAR

MECHANICAL DEMOLITION GENERAL NOTES	
1.	VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK. NOTIFY COR REGARDING CONFLICTS BEFORE PROCEEDING WITH WORK.
2.	REMOVED ITEMS REMAIN PROPERTY OF GOVERNMENT UNIT. COR DETERMINES THAT THEY ARE NOT REQUIRED. REMOVE FROM SITE ITEMS NOT BEING RETAINED BY GOVERNMENT OR REINSTALLED AS PART OF THIS WORK.
3.	DO NOT DISTURB ITEMS NOT INDICATED FOR DEMOLITION.
4.	VERIFY SIZE AND LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. RELOCATE, REMOVE AND ADJUST MECHANICAL AND ELECTRICAL ITEMS AS NECESSARY TO COORDINATE WITH NEW WORK.
5.	AFTER DEMOLITION IS COMPLETE, PATCH AND REPAIR FINISHES TO MATCH EXISTING ADJACENT CONDITIONS.
6.	COORDINATE DEMOLITION WITH COR. SUBMIT SHUTDOWN PLAN AND SCHEDULE TO COR FOR REVIEW AND APPROVAL.
7.	PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING DEMOLITION. REPAIR UTILITIES AND SERVICES DAMAGED AT NO ADDITIONAL COST.
8.	TEMPORARILY MOVE OR TAKE EQUIPMENT OUT OF SERVICE AS NECESSARY TO COMPLETE WORK.
9.	SAWCUT OR CORE DRILL CONCRETE FLOOR AS REQUIRED FOR DEMOLITION WORK INDICATED. COORDINATE WITH NEW MECHANICAL WORK AND WORK OF OTHER TRADES.

MECHANICAL GENERAL NOTES	
1.	WORK SHALL CONFORM TO APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND APPLICABLE VA STANDARDS.
2.	INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS.
3.	PROVIDE NEW MATERIALS, EQUIPMENT AND PRODUCTS INCORPORATED IN THE WORK, OF A SUITABLE GRADE FOR THE PURPOSES INTENDED.
4.	WHERE POSSIBLE, PROVIDE STANDARD PRODUCTS OF THE VARIOUS MANUFACTURERS EXCEPT WHERE SPECIAL CONSTRUCTION OR PERFORMANCE FEATURES ARE REQUIRED.
5.	EQUIPMENT OR MATERIAL DEVIATIONS FROM INDICATED CONTRACT REQUIREMENTS SHALL BE SUBJECT TO THE APPROVAL OF THE COR. SUBMIT PROPOSED EQUIPMENT DEVIATIONS THAT ARE SIMILAR BOTH IN QUALITY AND CAPACITY TO THAT EQUIPMENT SPECIFIED, AS SOLELY DETERMINED BY THE COR.
6.	PROVIDE MECHANICAL EQUIPMENT THAT IS LISTED AND LABELED BY UNDERWRITERS LABORATORIES (U.L.).
7.	INSTALL EQUIPMENT AS INDICATED, ALLOWING FOR SUFFICIENT ACCESS AND CLEARANCE SPACE FOR EQUIPMENT MAINTENANCE, REPAIRS, AND REPLACEMENT.
8.	INSTALL EQUIPMENT WITH PROPER CLEARANCES FOR REQUIRED PIPING AND ELECTRICAL SERVICES AND CONNECTIONS. INSTALL EQUIPMENT WITH REQUIRED ACCESS AND CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND APPLICABLE CODES AND STANDARDS.
9.	COORDINATE LOCATION, INSTALLATION, AND ROUTING OF DUCTWORK, PIPING, AND EQUIPMENT WITH WORK OF ALL OTHER TRADES.
10.	PROVIDE SUPPORT FOR MECHANICAL EQUIPMENT. COORDINATE SUPPORT LOCATIONS WITH ALL CONTRACTORS PRIOR TO INSTALLATION.
11.	PROVIDE POWER CONNECTIONS TO EQUIPMENT PROVIDED UNDER THIS CONTRACT AS WORK OF DIVISION 26.
12.	PROVIDE CONTROL WIRING FOR MECHANICAL EQUIPMENT AS WORK OF DIVISION 23.
13.	DUCTWORK AND PIPING LAYOUTS AND LOCATIONS ARE SCHEMATIC. DO NOT SCALE THESE DRAWINGS. COORDINATE AND DETERMINE EXACT ROUTING OF DUCTWORK AND PIPING IN THE FIELD.
14.	FIELD VERIFY DIMENSIONS BY ACTUAL MEASUREMENT AND OBSERVATION BEFORE ORDERING OR FABRICATING DUCTWORK, PIPING OR EQUIPMENT.
15.	NOTIFY COR REGARDING DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND EXISTING CONDITIONS OR DIMENSIONS BEFORE PERFORMING WORK. FAILURE TO VERIFY AND REPORT SHALL CONSTITUTE CONTRACTOR'S ACCEPTANCE OF EXISTING CONDITIONS AS FIT FOR THE PROPER EXECUTION OF THE WORK.
16.	SEE ARCHITECTURAL DRAWINGS FOR FINAL LOCATION OF CEILING INSTALLED EQUIPMENT.
17.	INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE AND AS CLOSE AS POSSIBLE TO BUILDING WALLS, CEILING AND FLOOR AND ROOF STRUCTURE. PROVIDE OFFSETS, FITTINGS, AND DIMENSIONAL TRANSITIONS NOT SHOWN BUT REQUIRED TO MAINTAIN MINIMUM CLEAR SPACE TO BUILDING SURFACES AT NO ADDITIONAL COST.
18.	PATCH, PAINT AND CLEAN SURFACES SUSTAINING DAMAGE ASSOCIATED WITH MECHANICAL WORK OF THIS CONTRACT, UNLESS NOTED OTHERWISE.
19.	SUBMIT BOUND SET OF OPERATING AND MAINTENANCE INSTRUCTIONS FOR EQUIPMENT AT COMPLETION OF PROJECT.
20.	INSTALL ESCUTCHEONS IN ALL PLACES WHERE PIPING PENETRATES A WALL IN AN EXPOSED LOCATION.
21.	MAKE A COMPLETE REVIEW OF DRAWINGS, INCLUDING SCHEDULES AND DETAILS, PRIOR TO BEGINNING MECHANICAL SYSTEM INSTALLATION. RESOLVE CONFLICTS WITH COR.
22.	DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS.
23.	INSTALL PIPING INDICATED TO BE EXPOSED AND PIPING IN EQUIPMENT ROOMS AND SERVICE AREAS AT RIGHT ANGLES OR PARALLEL TO BUILDING WALLS. DIAGONAL RUNS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY INDICATED OTHERWISE.
24.	INSTALL PIPING FREE OF SAGS AND BENDS.
25.	INSTALL PIPING TO ALLOW APPLICATION OF INSULATION.
26.	PIPING SHALL NOT BE ROUTED OVER TELECOM OR ELECTRICAL CLOSETS/ROOMS.
27.	PREPARE DRAWINGS SHOWING MECHANICAL SYSTEMS AND EQUIPMENT FOR COORDINATION WITH WORK OF OTHER DIVISIONS AND WORK BY THE GOVERNMENT.
A.	INCLUDE PLAN VIEWS, SECTIONS, AND ELEVATIONS, AS REQUIRED, TO FULLY COORDINATE ALL NEW WORK WITH ITSELF AND EXISTING CONDITIONS.
B.	DRAWINGS SHALL SHOW, BUT NOT BE LIMITED TO, ALL DUCTWORK, AIR DISTRIBUTION, MECHANICAL EQUIPMENT, MECHANICAL PIPING, FIRE PROTECTION PIPING, PLUMBING PIPING, CABLE TRAYS, LIGHTING FIXTURES, CEILING GRID AND HEIGHT, BEAMS AND JOISTS (WITH ELEVATIONS MARKED), ELECTRICAL CONDUIT LARGER THAN 2 INCHES IN DIAMETER AND OTHER CEILING MOUNT DEVICES OR EQUIPMENT THAT PROTRUDE INTO THE CEILING CAVITY.
C.	IF THERE ARE OUTSTANDING ISSUES THAT CANNOT BE RESOLVED, CONSULT WITH COR FOR GUIDANCE AND MAKE CORRECTIONS IN ACCORDANCE WITH DIRECTIONS GIVEN.
D.	DO NOT BEGIN FABRICATION OR PLACE EQUIPMENT ORDERS UNTIL COORDINATION DRAWINGS HAVE BEEN APPROVED.
28.	INSTALLATION COMMENCED PRIOR TO COORDINATION DRAWING APPROVAL IS TAKEN AT THE CONTRACTORS OWN RISK. MODIFY, MOVE OR RECONFIGURE WORK LACKING COORDINATION AT NO ADDITIONAL COST.

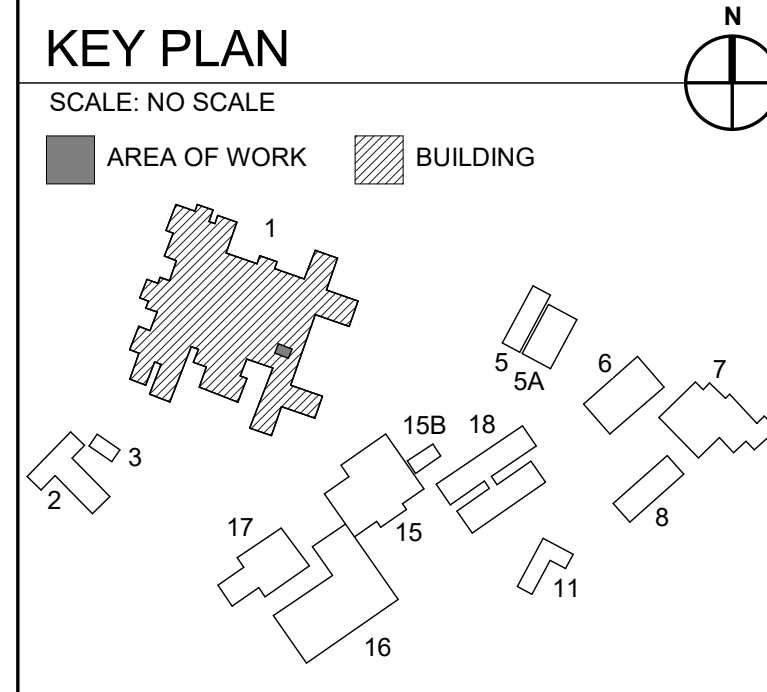
MECHANICAL LEGEND	
	CARBON DIOXIDE SENSOR
	THERMOSTAT OR TEMPERATURE SENSOR
	HUMIDISTAT OR HUMIDITY SENSOR
	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	LINEAR SLOT DIFFUSER
	BALANCING DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE / SMOKE DAMPER
	MOTORIZED DAMPER
	ROUND FLEX DUCT
	INCLINED RISE, IN DIRECTION OF AIRFLOW
	INCLINED DROP, IN DIRECTION OF AIRFLOW
	CONNECT NEW DUCT TO EXISTING
	LIMIT OF DEMOLITION
	VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
	VANED ELBOW (SHORT RADIUS)
	STANDARD RADIUS ELBOW (LONG RADIUS)
	NEW DUCT (INSIDE DIMENSIONS: WIDTH X DEPTH)
	EXISTING DUCT TO REMAIN
	EXISTING DUCT TO BE DEMOLISHED
	DUCT TRANSITION
	END MOUNTED OR SIDEWALL GRILLE
	TERMINAL UNIT SUPPLY DUCT BRANCH (CONICAL TAP)
	STANDARD BRANCH SUPPLY OR RETURN, NO SPLITTER (45° TAP)
	SUPPLY DUCT (UP & DOWN)
	EXHAUST DUCT (UP & DOWN)
	RETURN DUCT (UP & DOWN)
	HIGH PRESSURE STEAM PIPING (60 PSI)
	HIGH PRESSURE STEAM CONDENSATE RETURN
	MEDIUM PRESSURE STEAM PIPING (16 PSI AND 50 PSI)
	MEDIUM PRESSURE STEAM CONDENSATE RETURN
	LOW PRESSURE STEAM PIPING (15 PSI AND BELOW)
	LOW PRESSURE STEAM CONDENSATE RETURN
	CHILLED WATER SUPPLY PIPING
	CHILLED WATER RETURN PIPING
	HEATING HOT WATER SUPPLY PIPING
	HEATING HOT WATER RETURN PIPING
	REFRIGERANT LINE SET (LIQUID AND SUCTION)
	CONDENSATE DRAIN LINE
	PIPE UP
	PIPE DOWN
	BOTTOM CONNECTION
	TOP CONNECTION
	CAPPED OR PLUGGED PIPE
	CONNECT TO EXISTING PIPE
	LIMIT OF DEMOLITION
	GLOBE VALVE
	GATE VALVE
	BALL VALVE
	CHECK VALVE
	STEAM SAFETY VALVE
	PRESSURE REGULATING VALVE
	WYE STRAINER VALVE
	BALANCING VALVE
	MODULATING TWO-WAY CONTROL VALVE
	MODULATING THREE-WAY CONTROL VALVE
	TWO POSITION CONTROL VALVE
	STEAM TRAP
	DRAIN VALVE
	TEST PLUG
	STEAM PRESSURE REDUCING VALVE
	INLINE CENTRIFUGAL PUMP

DUCTLESS SPLIT SYSTEM SCHEDULE														
EVAPORATOR MARK NO.	LOCATION	BUILDING/AREA SERVED	TYPE	AIRFLOW CFM	FULL LOAD CAPACITY TONS	ENTERING AIR TEMPERATURE F	CONDENSOR MARK NO.	LOCATION	COMPRESSOR TYPE	ELECTRICAL				REMARKS
										MCA	MOP	VOLTS	PHASE	
1-P7-IU	PHB-2 MECHANICAL EQUIPMENT	B. 1 ELEVATOR P7	WALL MOUNT	635	3	75.0	1-P7-OU	PHB-1 ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
1-P8-IU	PHB-2 MECHANICAL EQUIPMENT	B. 1 ELEVATOR P8	WALL MOUNT	635	3	75.0	1-P8-OU	PHB-1 ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
1-P11-IU	MECHANICAL ROOM 5-226A	B. 1 ELEVATOR P11	WALL MOUNT	635	3	75.0	1-P11-OU	6TH FLOOR ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
1-P12-IU	PENTHOUSE A	B. 1 ELEVATOR P12	WALL MOUNT	635	3	75.0	1-P12-OU	PENTHOUSE A ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
1-S13-IU	PENTHOUSE A	B. 1 ELEVATOR S13	WALL MOUNT	635	3	75.0	1-S13-OU	PENTHOUSE A ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
1-P16-IU	PENTHOUSE A	B. 1 ELEVATOR P16	WALL MOUNT	635	3	75.0	1-P16-OU	PENTHOUSE A ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
1-P17-IU	PENTHOUSE A	B. 1 ELEVATOR P17	WALL MOUNT	635	3	75.0	1-P17-OU	PENTHOUSE A ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
2-P1-IU	ELEVATOR MACHINE 2-401	B. 2 ELEVATOR P1	WALL MOUNT	635	3	75.0	2-P1-OU	ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
5-P1-IU	MECHANICAL ROOM 5-1-108	B. 5 ELEVATOR P1	WALL MOUNT	635	3	75.0	5-P1-OU	ROOF	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES
7-S1-IU	MECHANICAL ROOM B-177	B. 7 ELEVATOR S1	WALL MOUNT	635	3	75.0	7-S1-OU	COURTYARD ON WALL	DC INVERTER TWIN ROTARY	19.5	30.0	208	1	SEE NOTES



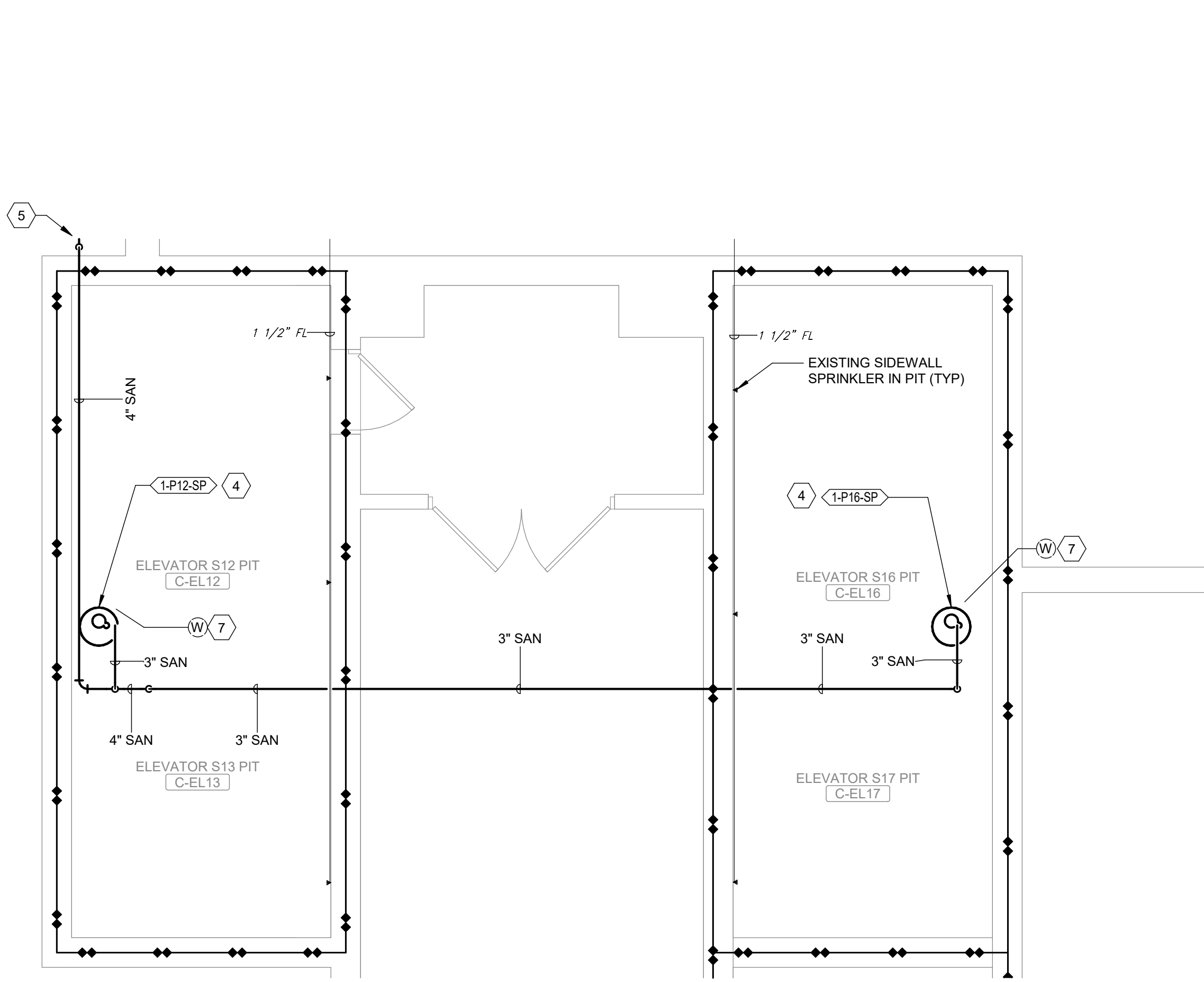
- # KEY NOTES:**
- 1 DEMOLISH WALL LOUVER.
 - 2 DEMOLISH AHU AND ATTACHED DUCTWORK.
 - 3 DEMOLISH ABANDONED PIPING TO FLOOR AND CAP.
 - 4 DEMOLISH RELIEF VENT

- # KEY NOTES:**
- 1 PROVIDE INDOOR SPLIT SYSTEM. ROUTE CONDENSATE TO EXISTING CONDENSATE PIPING. MOUNT APPROXIMATELY 7' AFF.
 - 2 PROVIDE OUTDOOR SPLIT SYSTEM. MOUNT UNIT ON ROOF CURB.
 - 3 PROVIDE INSULATED PANEL IN PLACE OF RELIEF VENT.
 - 4 PROVIDE SUMP PUMP IN SHALLOW PIT PER DETAIL 1/M-002.
 - 5 ROUTE SUMP PUMP DISCHARGE TO C-110A WOMENS LOCKER AND CONNECT TO EXISTING SANITARY RISER. APPROXIMATELY 20' TO RISER.
 - 6 ROUTE CONDENSATE THROUGH EXISTING PENETRATION SERVING THE EXISTING AHU CONDENSATE AND TURN DOWN.
 - 8 PROVIDE OUTDOOR SPLIT SYSTEM. MOUNT UNIT ON WALL.
 - 9 PROVIDE MANUFACTURER THERMOSTAT TO CONTROL BOTH INDOOR UNITS BASED UPON TEMPERATURE REPORTED BY 1-P7-IU. PROVIDE BAS THERMOSTAT AND HUMIDISTAT AND REPORT TEMPERATURE AND HUMIDITY TO THE CENTRAL BAS.
 - 10 PROVIDE WATER SENSOR IN SUMP PIT. ALARM BAS WITH ELEVATOR SHAFT LOCATION. PROVIDE LOCAL AUDIBLE ALARM.

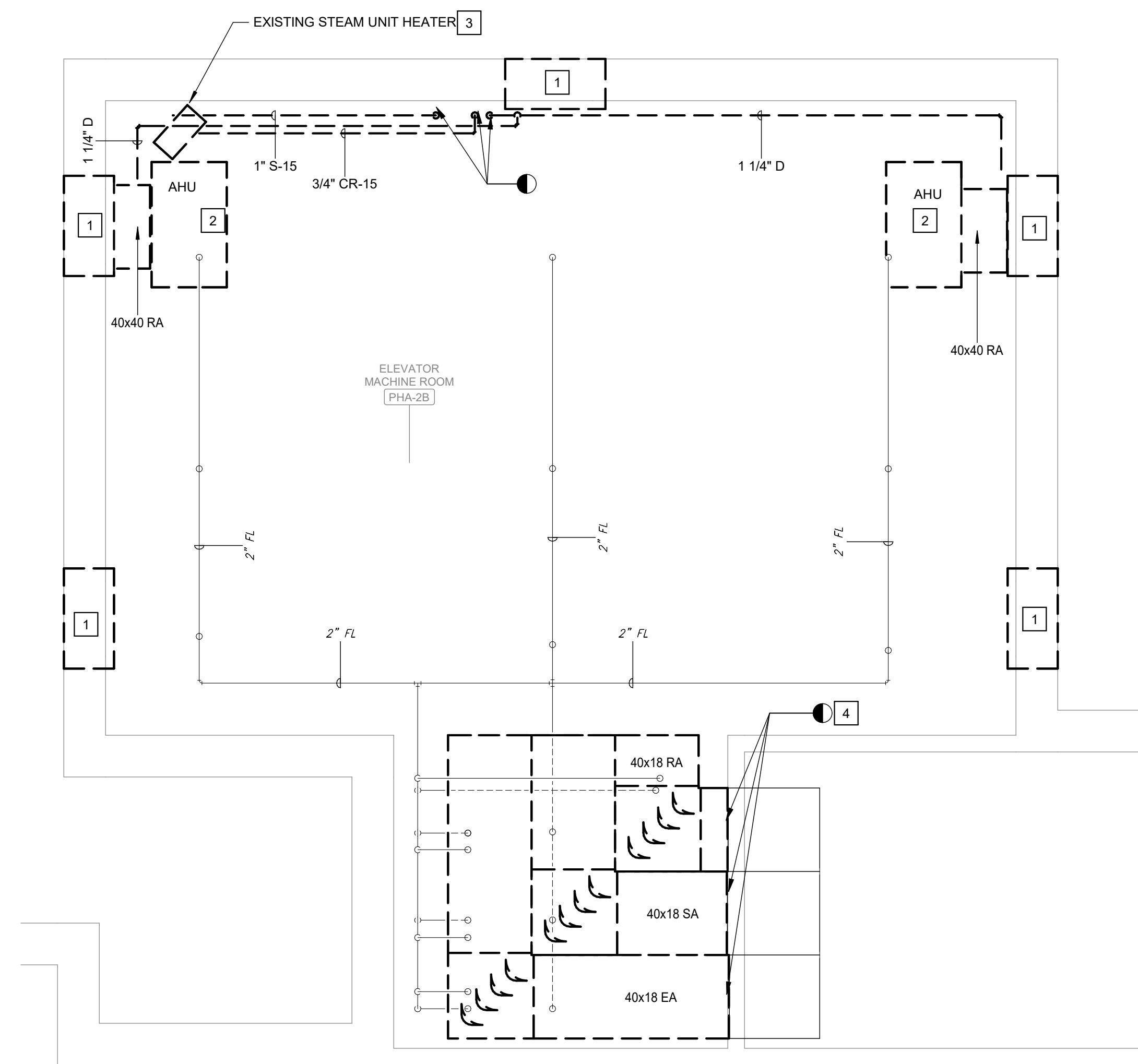


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100% CONSTRUCTION DOCUMENTS

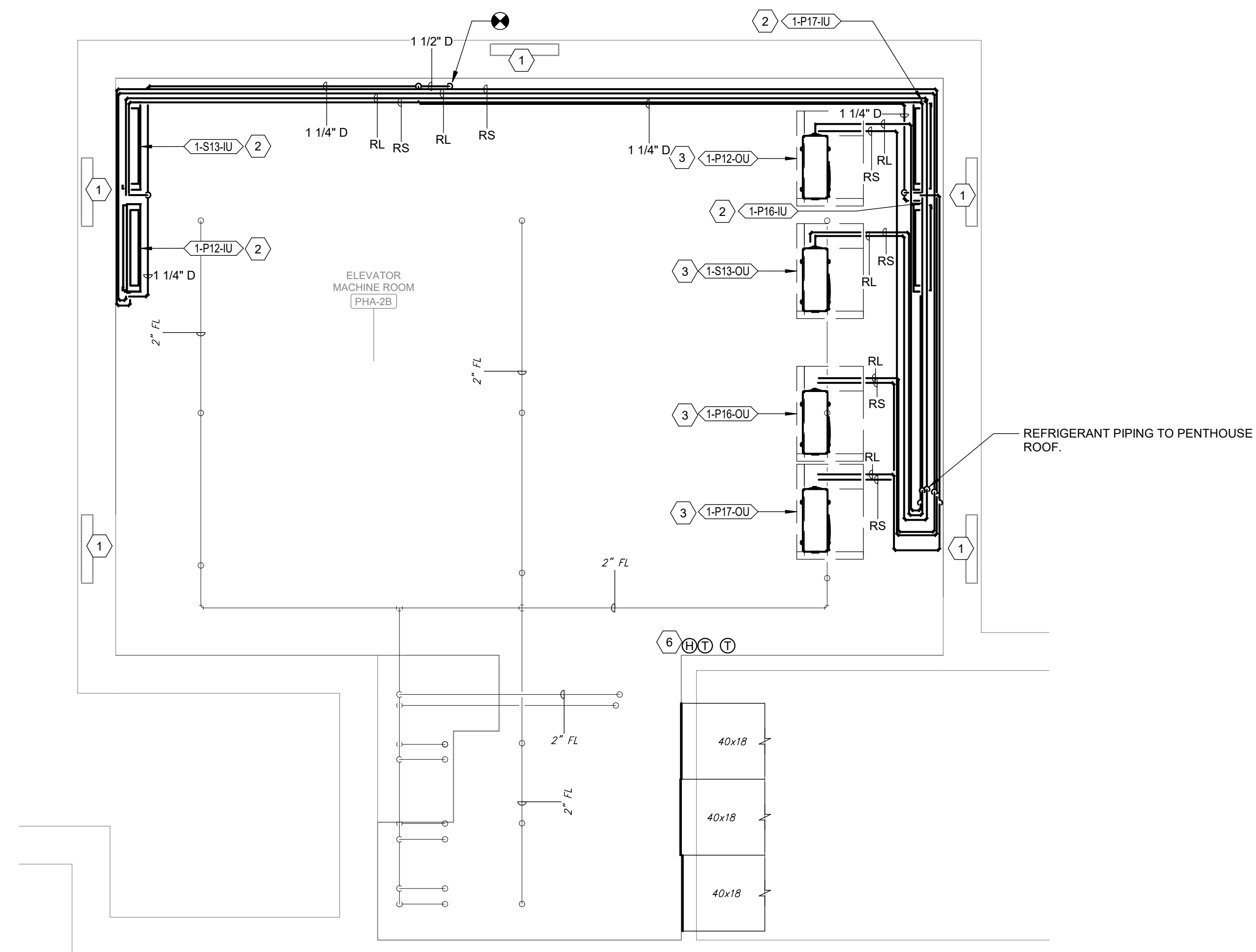
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3 BUILDING 1 - ELEVATOR P12, S13, P16, P17 PIT - NEW WORK PLAN
Scale: 1/4" = 1'-0"



1 BUILDING 1 PENTHOUSE - ELEVATOR P12, S13, P16, P17
MACHINE ROOM - DEMOLITION PLAN
Scale: 1/4" = 1'-0"



2 BUILDING 1 PETHOUSE - ELEVATOR P12, S13, P16, P17
MACHINE ROOM - NEW WORK PLAN
Scale: 1/4" = 1'-0"

KEY NOTES:

- 1 EXISTING LOUVERS - SEE ARCHITECTURAL SHEETS.
- 2 DEMOLISH AHU AND ATTACHED DUCTWORK.
- 3 DEMOLISH STEAM UNIT HEATER AND PIPING TO FLOOR AND CAP.
- 4 DEMOLISH DUCTWORK TO WALL AND CAP

KEY NOTES:

- 1 SEE ARCHITECTURAL SHEETS
- 2 PROVIDE INDOOR SPLIT SYSTEM. ROUTE CONDENSATE TO EXISTING CONDENSATE PIPING. MOUNT APPROXIMATELY 7' AFF.
- 3 PROVIDE OUTDOOR SPLIT SYSTEM. MOUNT UNIT ON ROOF CURB. UNIT IS LOCATED ON ROOF ABOVE THE AREA SHOWN (PENTHOUSE A).
- 4 PROVIDE SUMP PUMP IN SHALLOW PIT PER DETAIL 1/14-002.
- 5 ROUTE SUMP PUMP DISCHARGE TO NEAREST AREA DRAIN IN OUTSIDE MECHANICAL YARD.
- 6 PROVIDE MANUFACTURER THERMOSTAT TO CONTROL ALL INDOOR UNITS BASED UPON TEMPERATURE REPORTED BY 1-P16-IJ. PROVIDE BAS THERMOSTAT AND HUMIDISTAT AND REPORT TEMPERATURE AND HUMIDITY TO THE CENTRAL BAS.
- 7 PROVIDE WATER SENSOR IN SUMP PIT. ALARM BAS WITH ELEVATOR SHAFT LOCATION. PROVIDE LOCAL AUDIBLE ALARM.

KEY PLAN

SCALE: NO SCALE

AREA OF WORK

BUILDING

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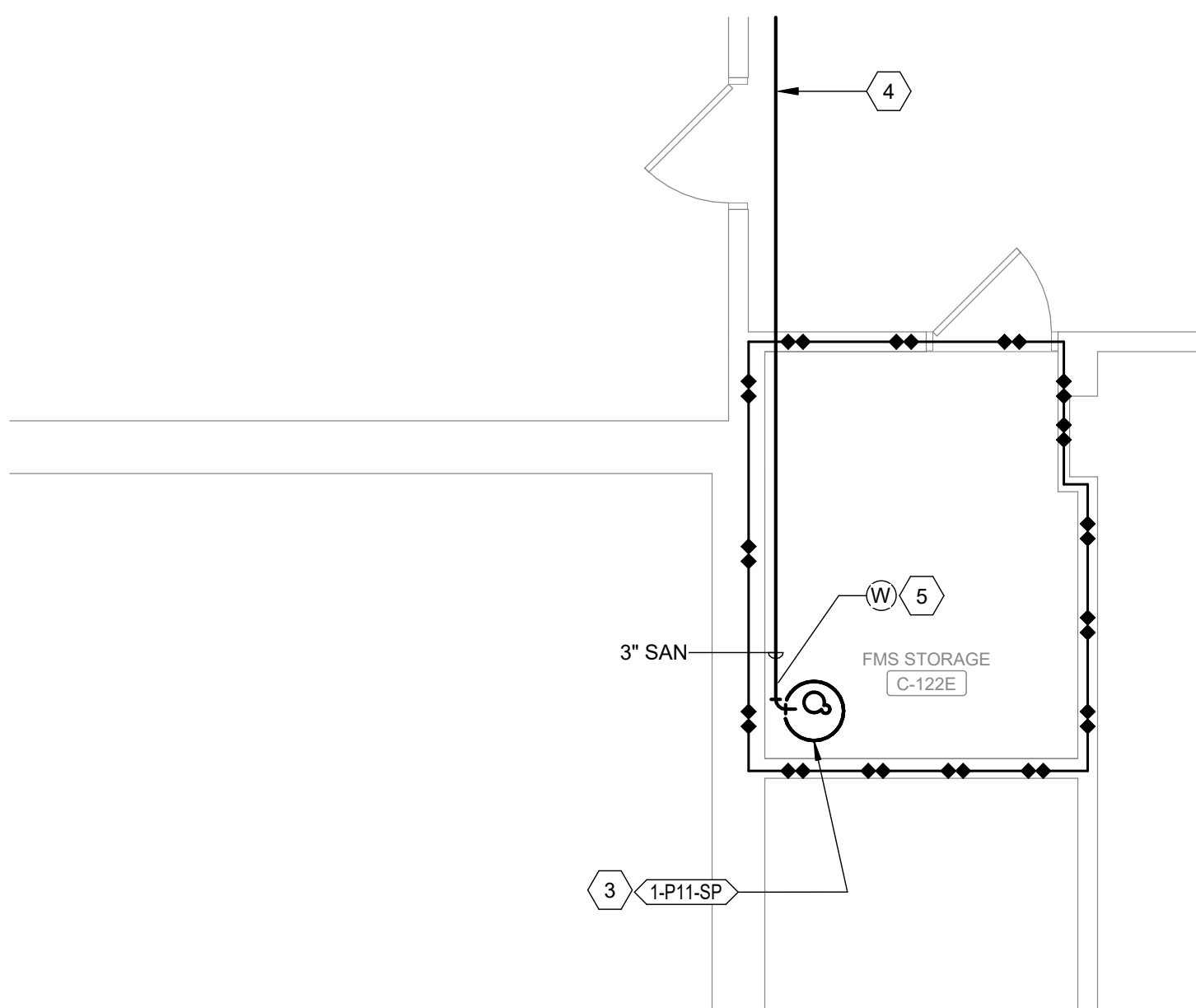
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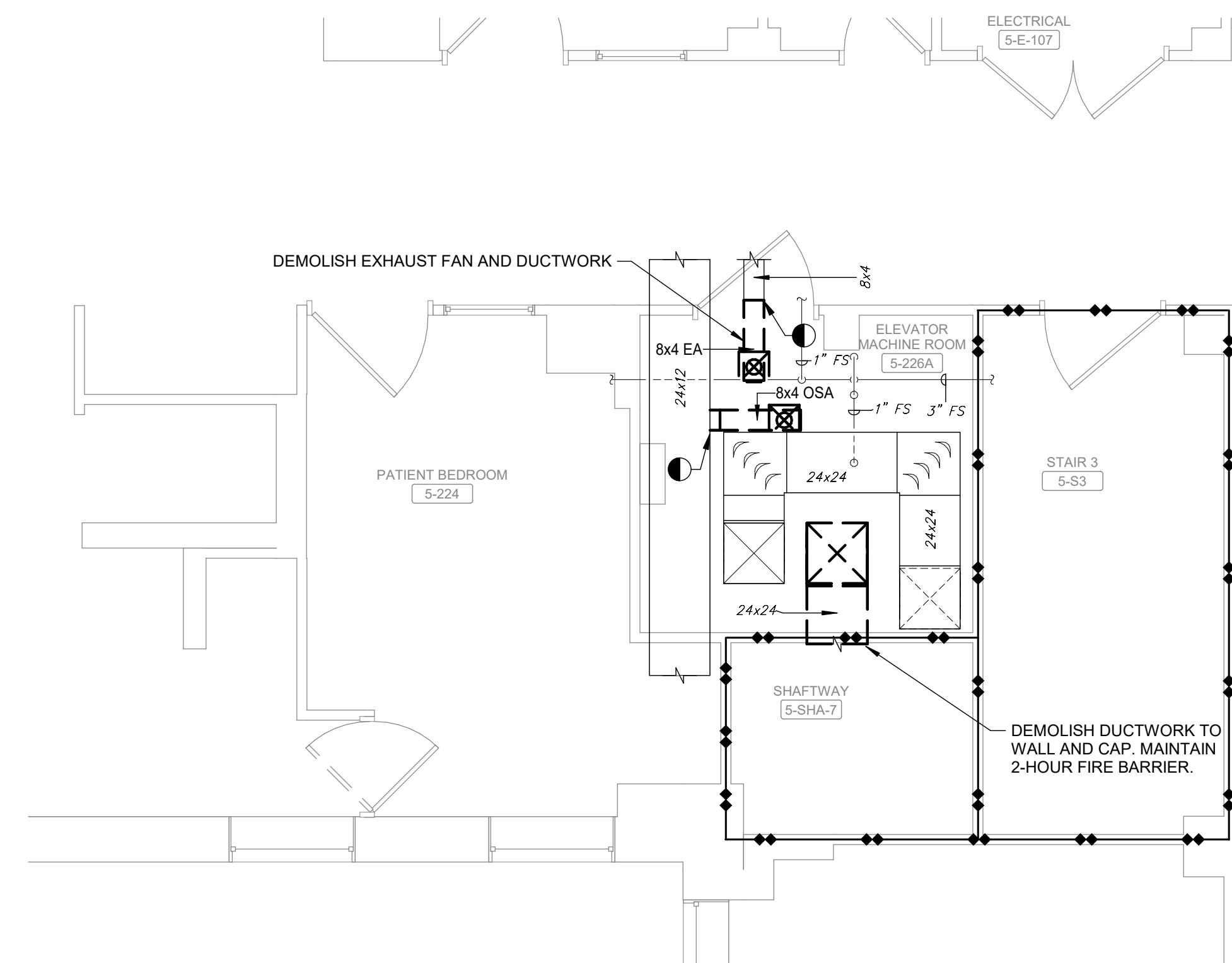
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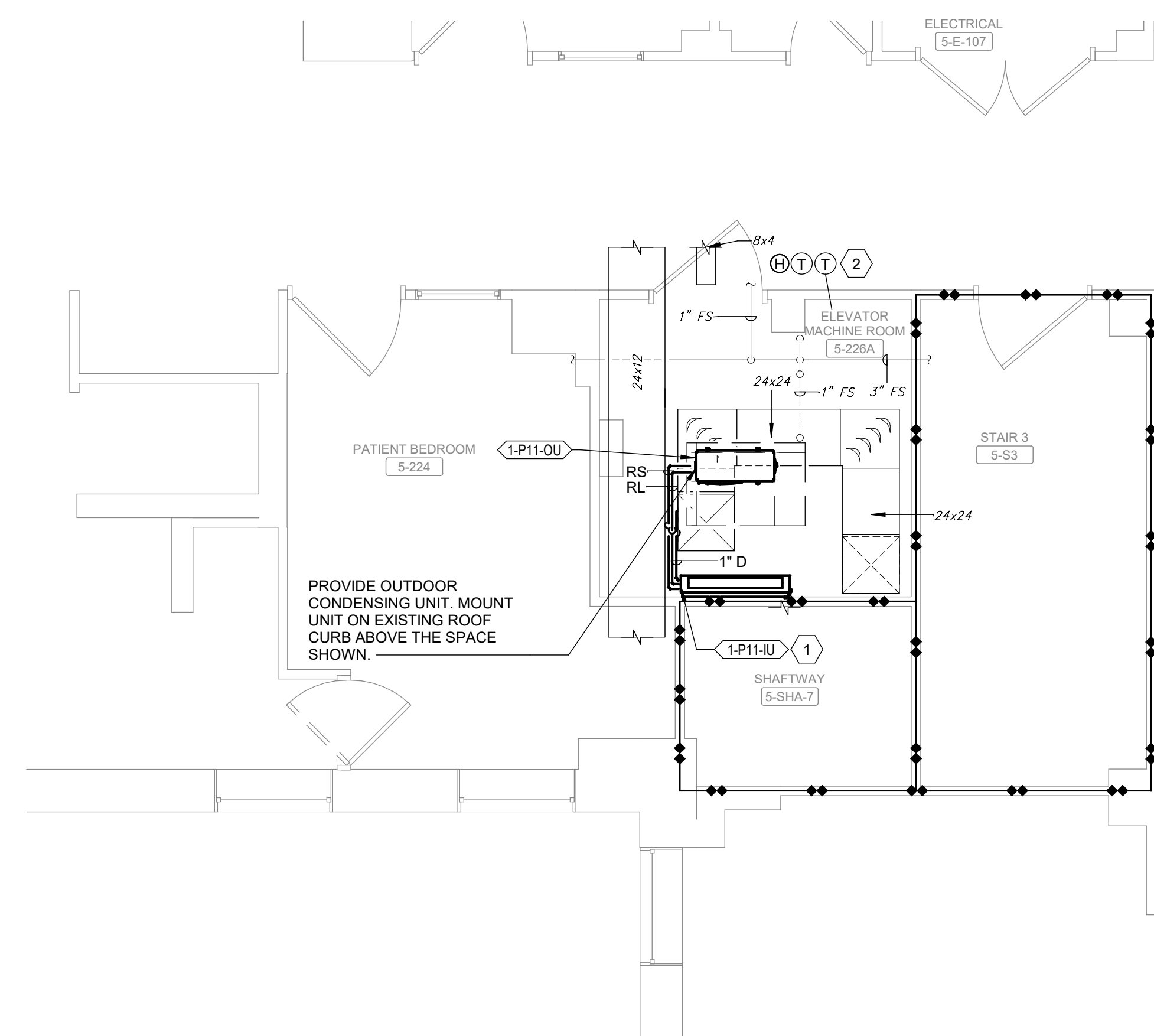
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3 BUILDING 1 - ELEVATOR P11 PIT - NEW WORK PLAN
Scale: 1/4" = 1'-0"

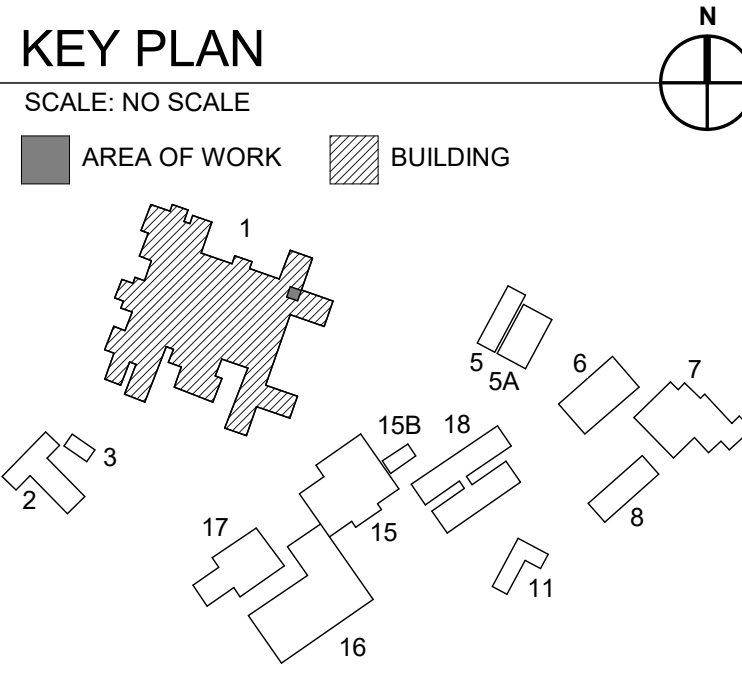


1 BUILDING 1 - ELEVATOR P11 FIFTH FLOOR - DEMOLITION PLAN
Scale: 1/4" = 1'-0"



2 BUILDING 1 - ELEVATOR P11 FIFTH FLOOR - NEW WORK PLAN
Scale: 1/4" = 1'-0"

- KEY NOTES:**
- 1 PROVIDE INDOOR SPLIT SYSTEM. MOUNT APPROXIMATELY 7' AFF.
 - 2 PROVIDE MANUFACTURER THERMOSTAT. PROVIDE BAS THERMOSTAT AND HUMIDISTAT AND REPORT TEMPERATURE AND HUMIDITY TO THE CENTRAL BAS.
 - 3 PROVIDE SUMP PUMP IN SHALLOW PIT PER DETAIL 11-M-002.
 - 4 ROUTE SUMP PUMP DISCHARGE TO ROOM C-122C AND CONNECT TO RISER GOING DOWN. APPROX. 25'.
 - 5 PROVIDE WATER SENSOR IN SUMP PIT. ALARM BAS WITH ELEVATOR SHAFT LOCATION. PROVIDE LOCAL AUDIBLE ALARM.

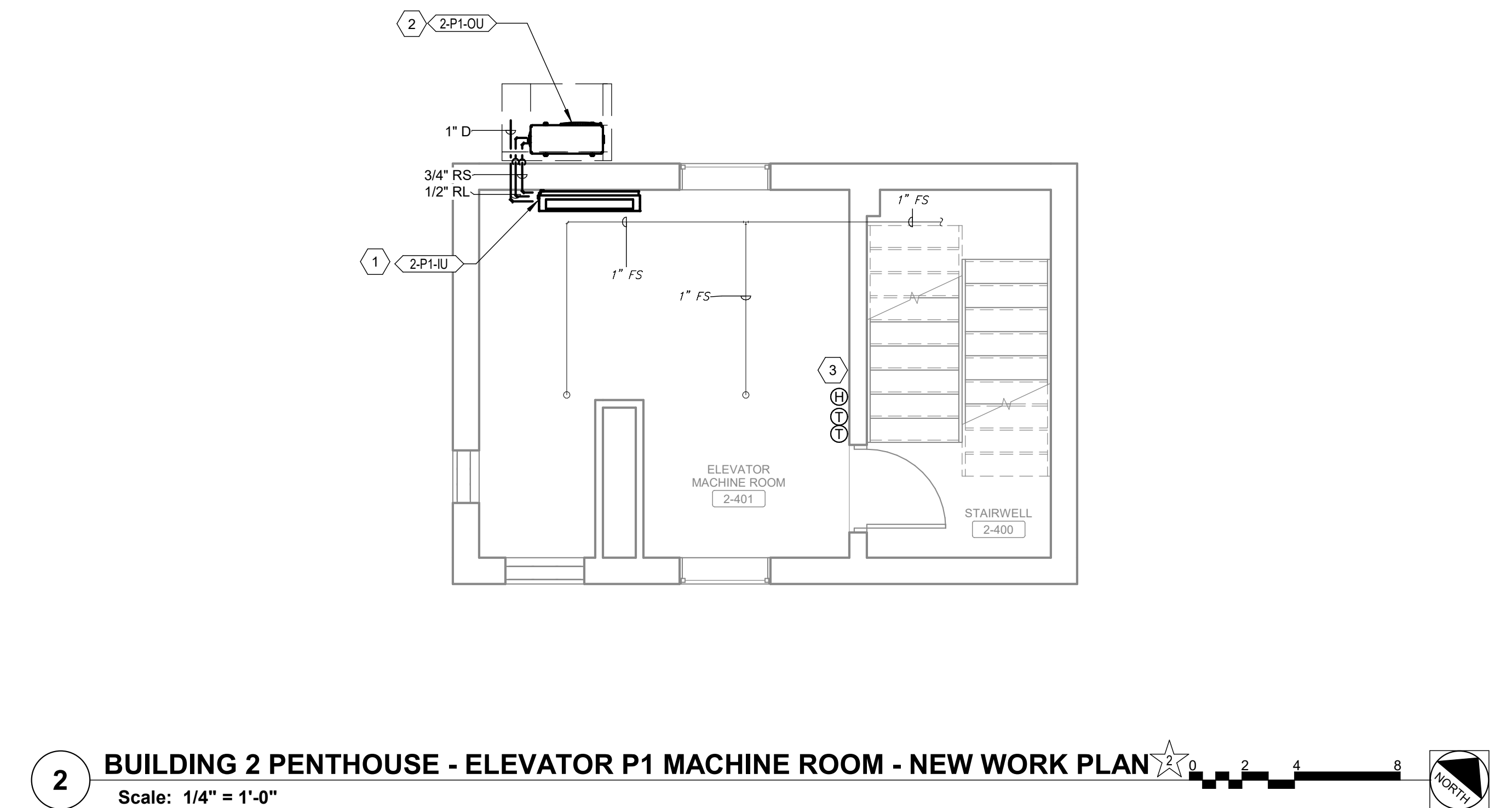
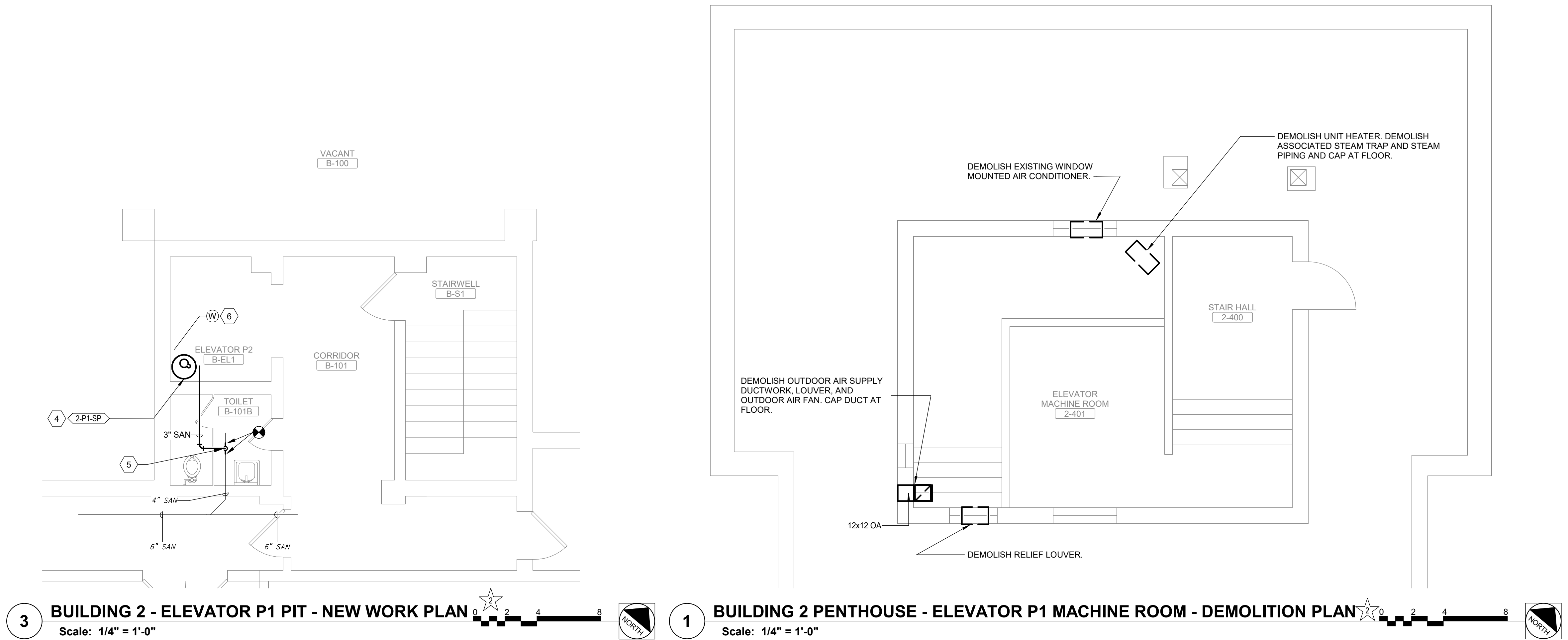


FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

CONSULTANTS:				PROJECT MANAGER		ACG Project Number 22-105	Office of Construction and Facilities Management	Drawing Title BUILDING 1 - ENLARGED PLANS - ELEV P11	Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018	Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301
Revisions:			Date	Approved	Checked SWR	Drawn SWR	Date MAY 14, 2025	Building Number # 1	Drawing Number 1.M103	Dwg 6 of 10		
#												

KEY NOTES:

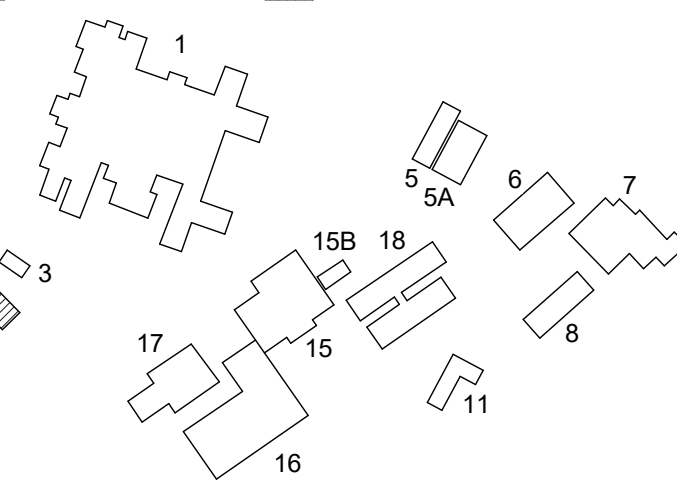
1. PROVIDE INDOOR SPLIT SYSTEM. ROUTE CONDENSATE TO EXISTING CONDENSATE PIPING. MOUNT APPROXIMATELY 7' AFF.
2. PROVIDE OUTDOOR SPLIT SYSTEM. MOUNT UNIT ON ROOF CURB.
3. PROVIDE MANUFACTURER THERMOSTAT. PROVIDE BAS THERMOSTAT AND HUMIDISTAT AND REPORT TEMPERATURE AND HUMIDITY TO THE CENTRAL BAS.
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6. PROVIDE WATER SENSOR IN SUMP PIT. ALARM BAS WITH ELEVATOR SHAFT LOCATION. PROVIDE LOCAL AUDIBLE ALARM.



KEY PLAN

SCALE: NO SCALE

AREA OF WORK BUILDING



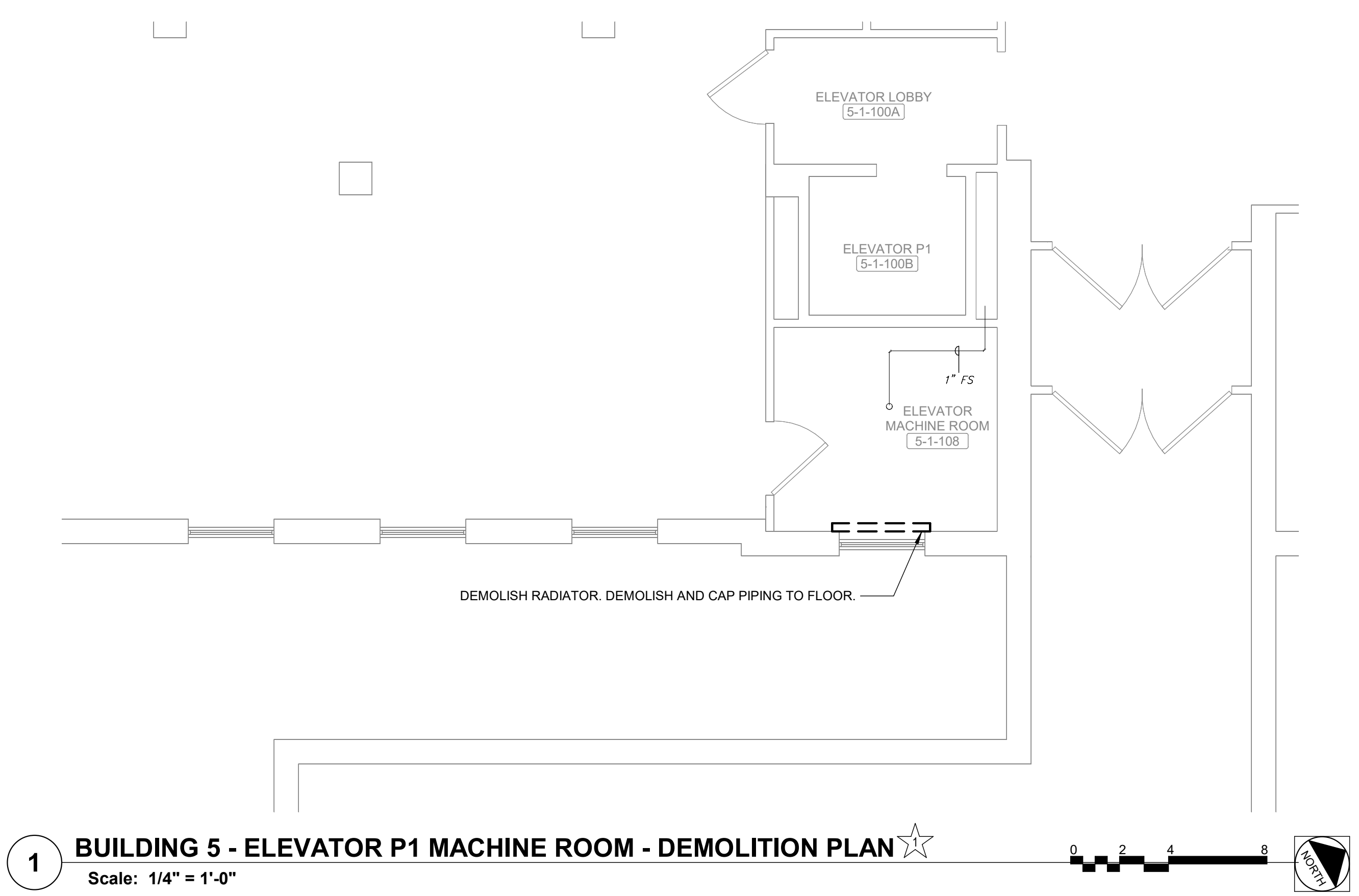
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			CONSULTANTS:			PROJECT MANAGER		ACG Project Number 22-105		Office of Construction and Facilities Management		Drawing Title BUILDING 2 - ENLARGED PLANS - ELEV P1		Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301			
#		Revisions:				Date		Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420				Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number # 2			
										U.S. Department of Veterans Affairs		Date MAY 14, 2025		Checked SWR		Drawn SWR		Drawing Number 2.M101	
												Dwg 7 of 10							

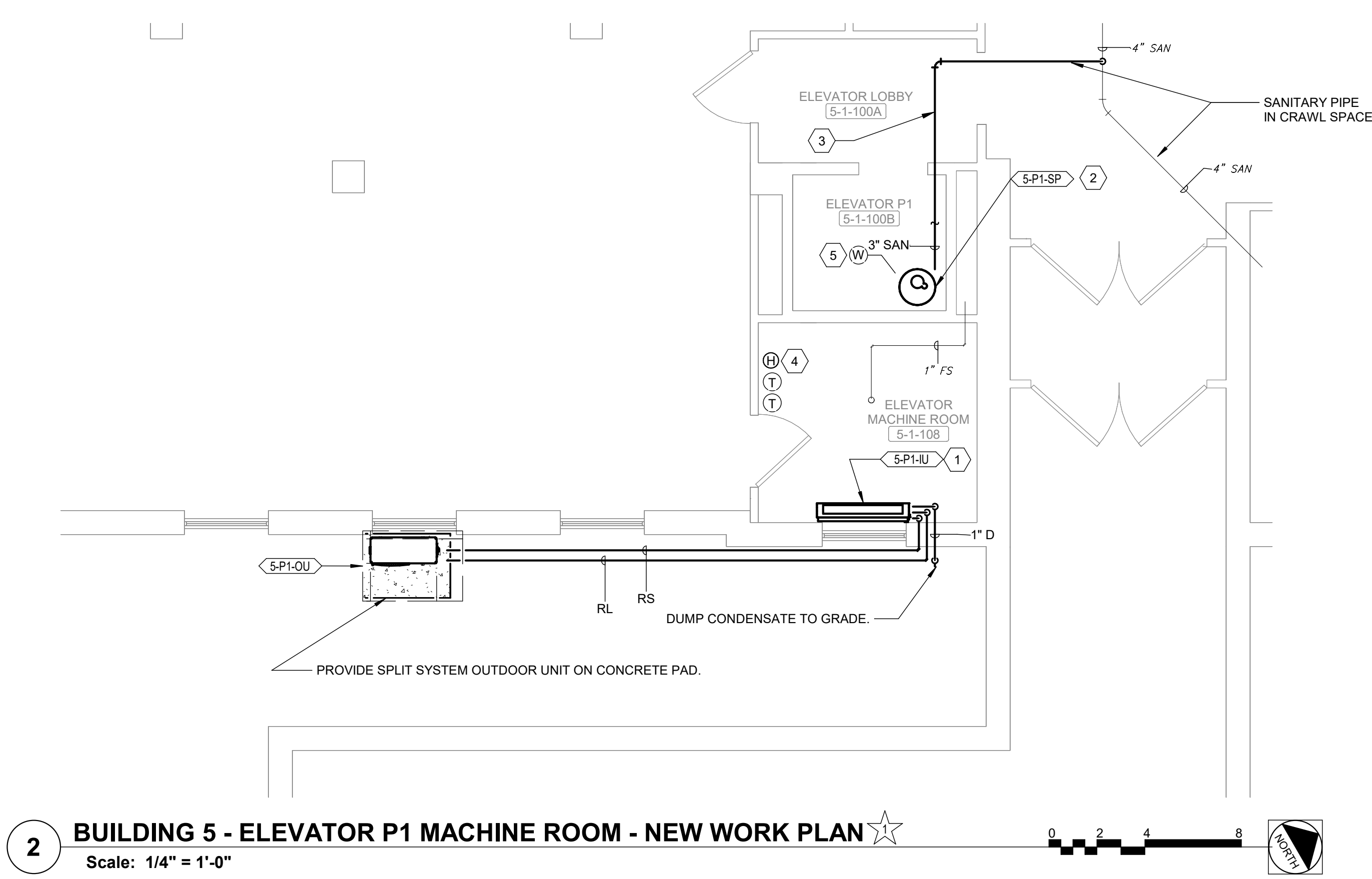
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5/14/2025 3:25:05 PM VA FORM 08-6231

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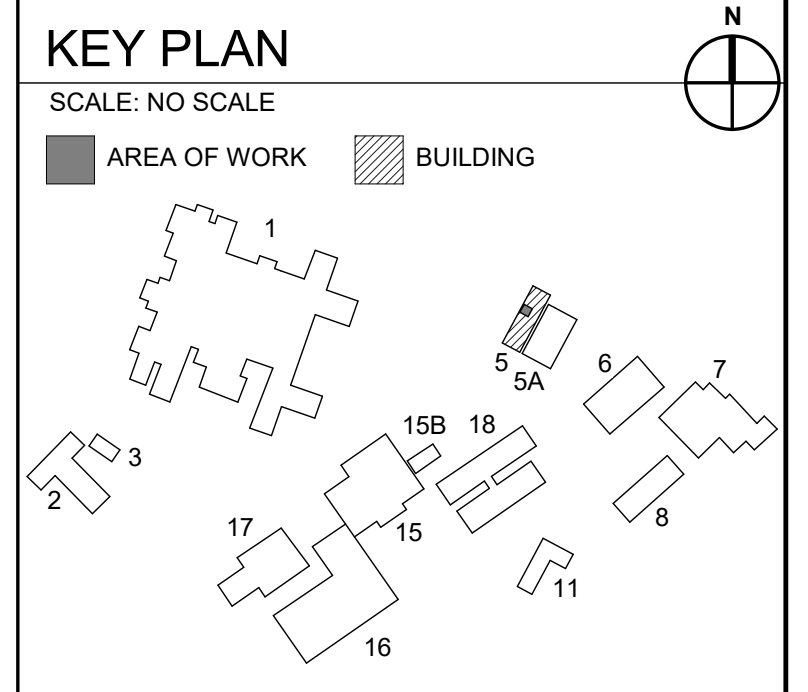
1. PROVIDE INDOOR SPLIT SYSTEM. ROUTE CONDENSATE TO EXISTING CONDENSATE PIPING. MOUNT APPROXIMATELY 7' AFF.
2. PROVIDE SUMP PUMP IN SHALLOW PIT PER DETAIL 11/M-002.
3. ROUTE SUMP PUMP DISCHARGE TO NEAREST SANITARY PIPE AND CONNECT.
4. PROVIDE MANUFACTURER THERMOSTAT. PROVIDE BAS THERMOSTAT AND HUMIDISTAT AND REPORT TEMPERATURE AND HUMIDITY TO THE CENTRAL BAS.
5. PROVIDE WATER SENSOR IN SUMP PIT. ALARM BAS WITH ELEVATOR SHAFT LOCATION. PROVIDE LOCAL AUDIBLE ALARM.



1 BUILDING 5 - ELEVATOR P1 MACHINE ROOM - DEMOLITION PLAN
Scale: 1/4" = 1'-0"



2 BUILDING 5 - ELEVATOR P1 MACHINE ROOM - NEW WORK PLAN
Scale: 1/4" = 1'-0"

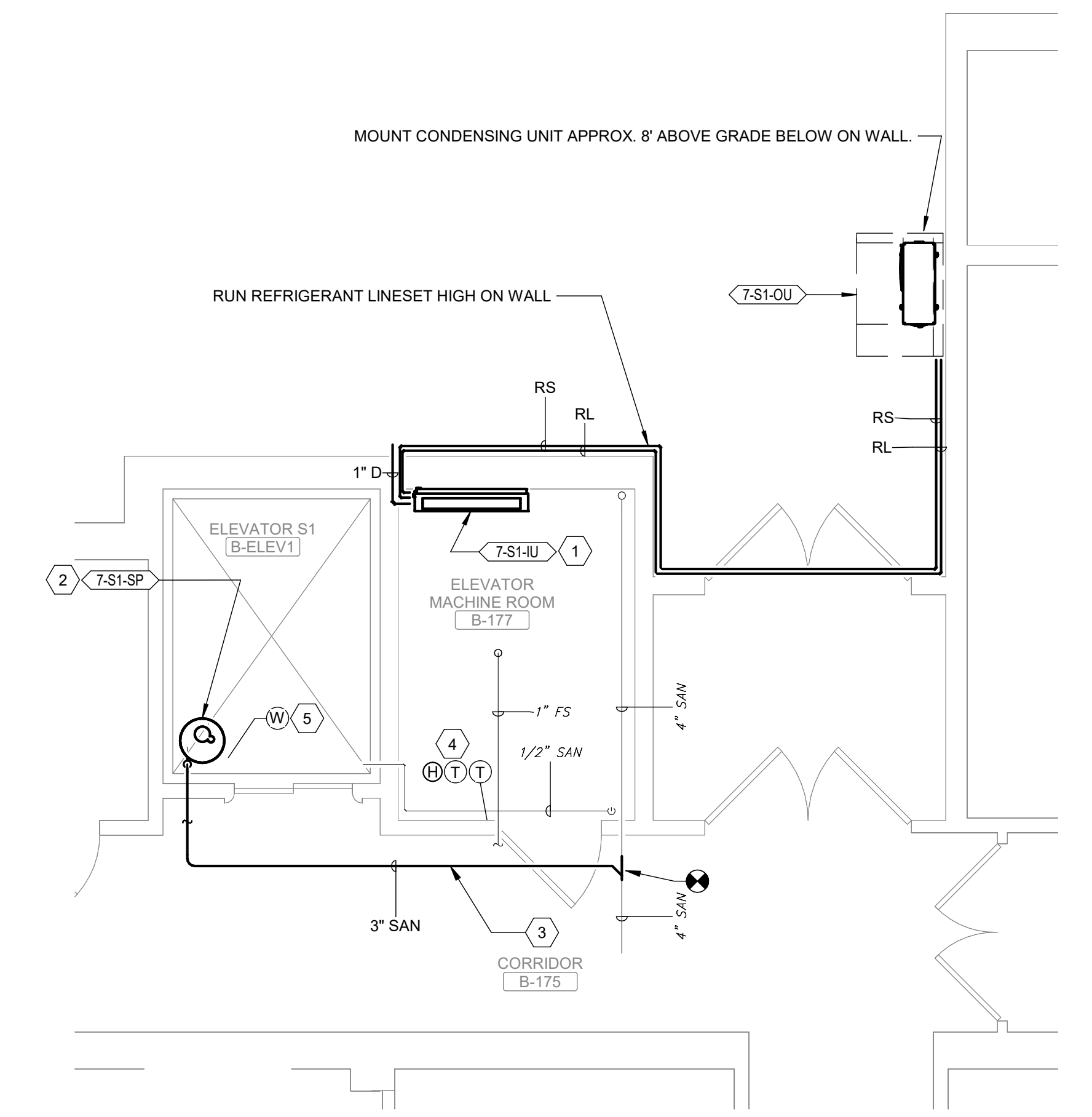


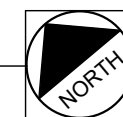
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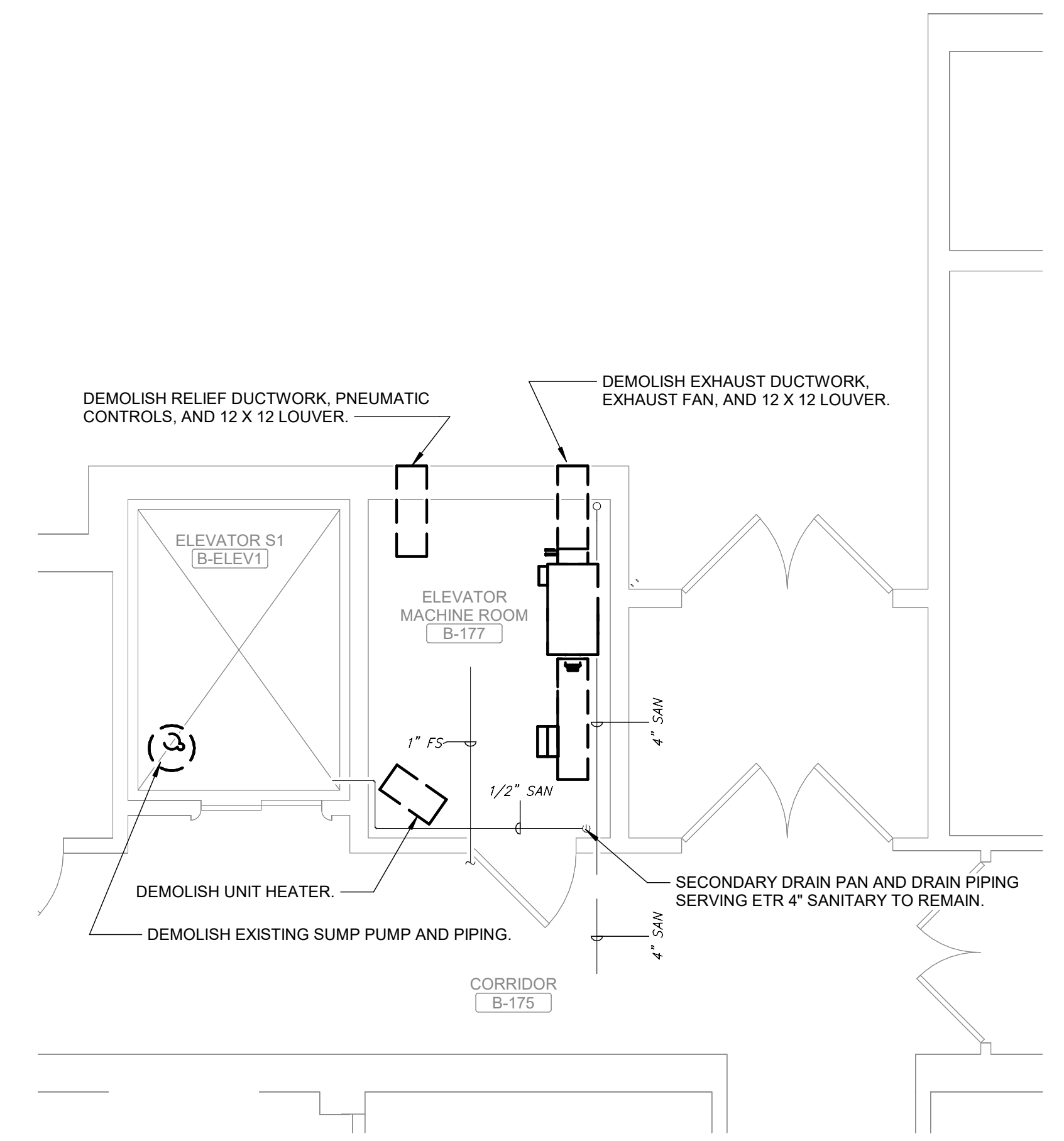
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KEY NOTES:

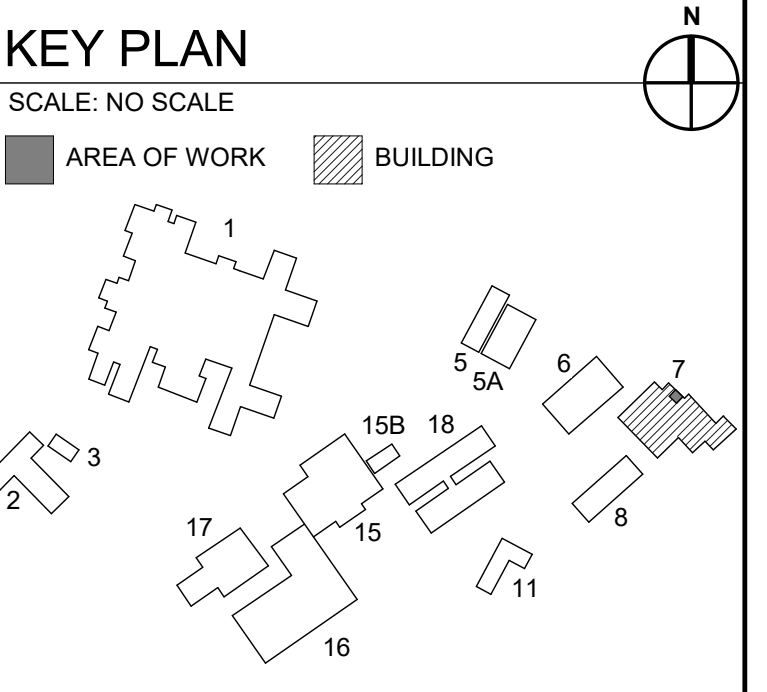
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5. PROVIDE WATER SENSOR IN SUMP PIT. ALARM BAS WITH ELEVATOR SHAFT LOCATION. PROVIDE LOCAL AUDIBLE ALARM.



**BUILDING 7 - ELEVATOR S1
MACHINE ROOM - NEW
WORK PLAN** 
Scale: 1/4" = 1'-0"

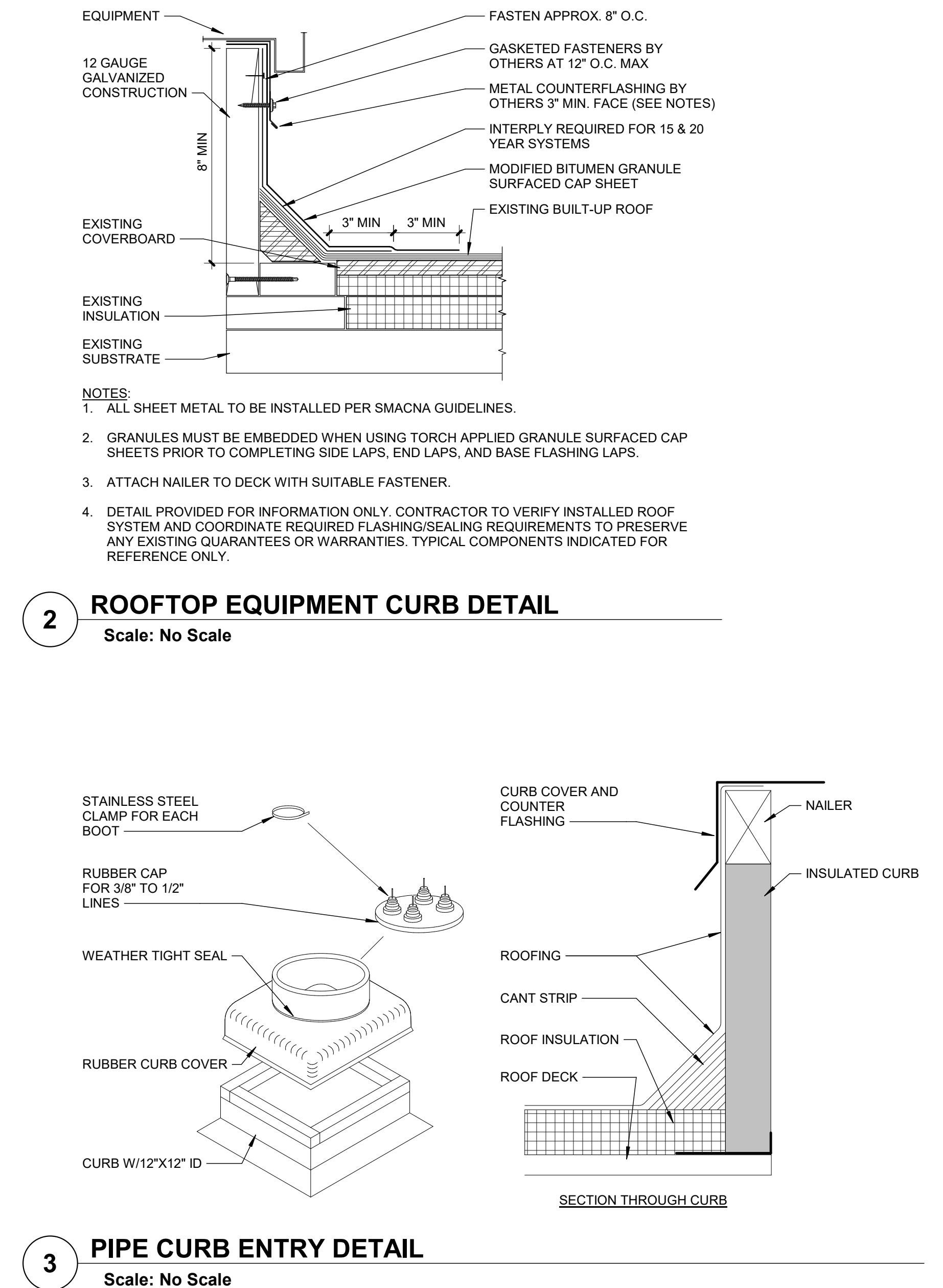
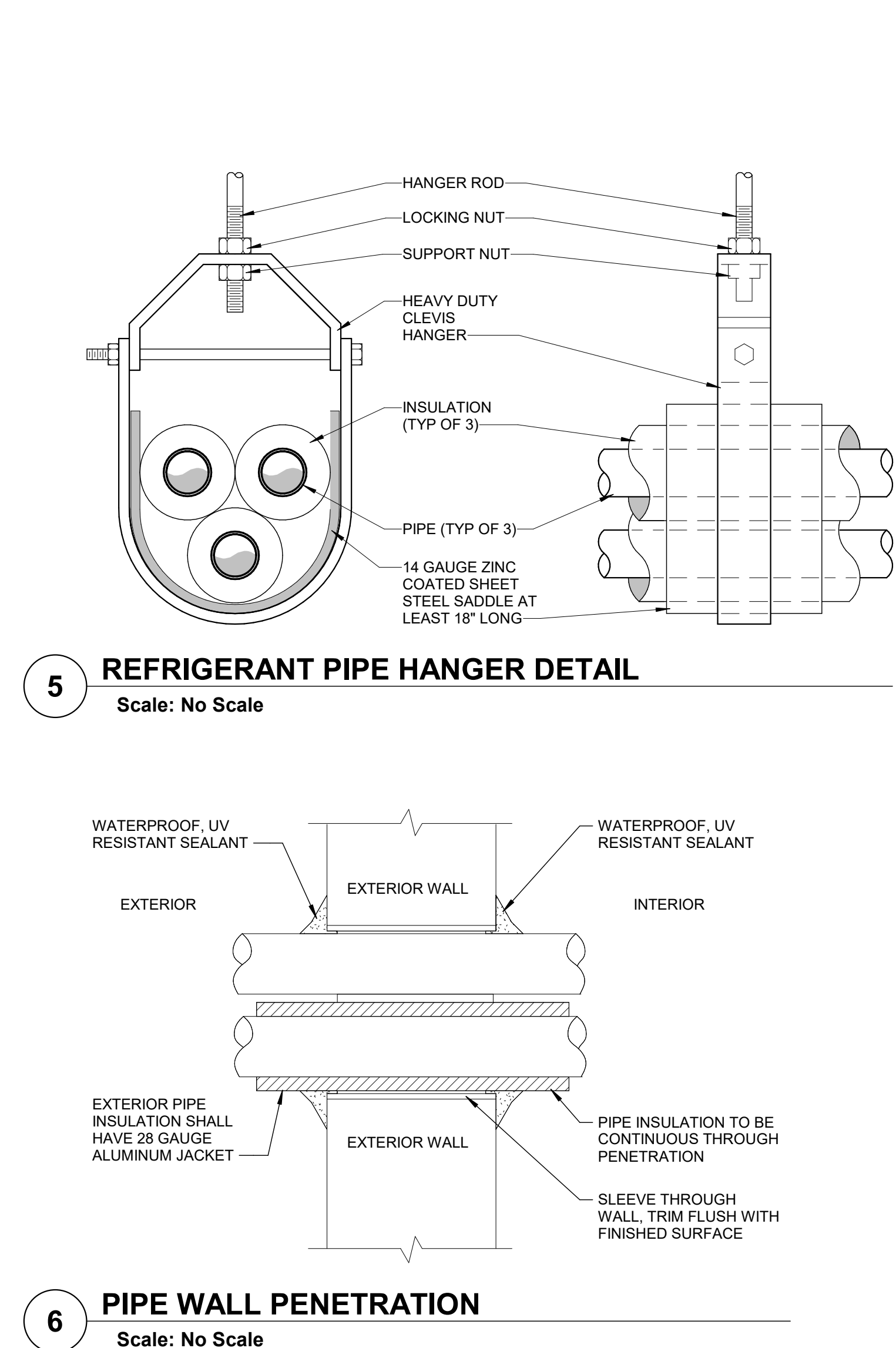
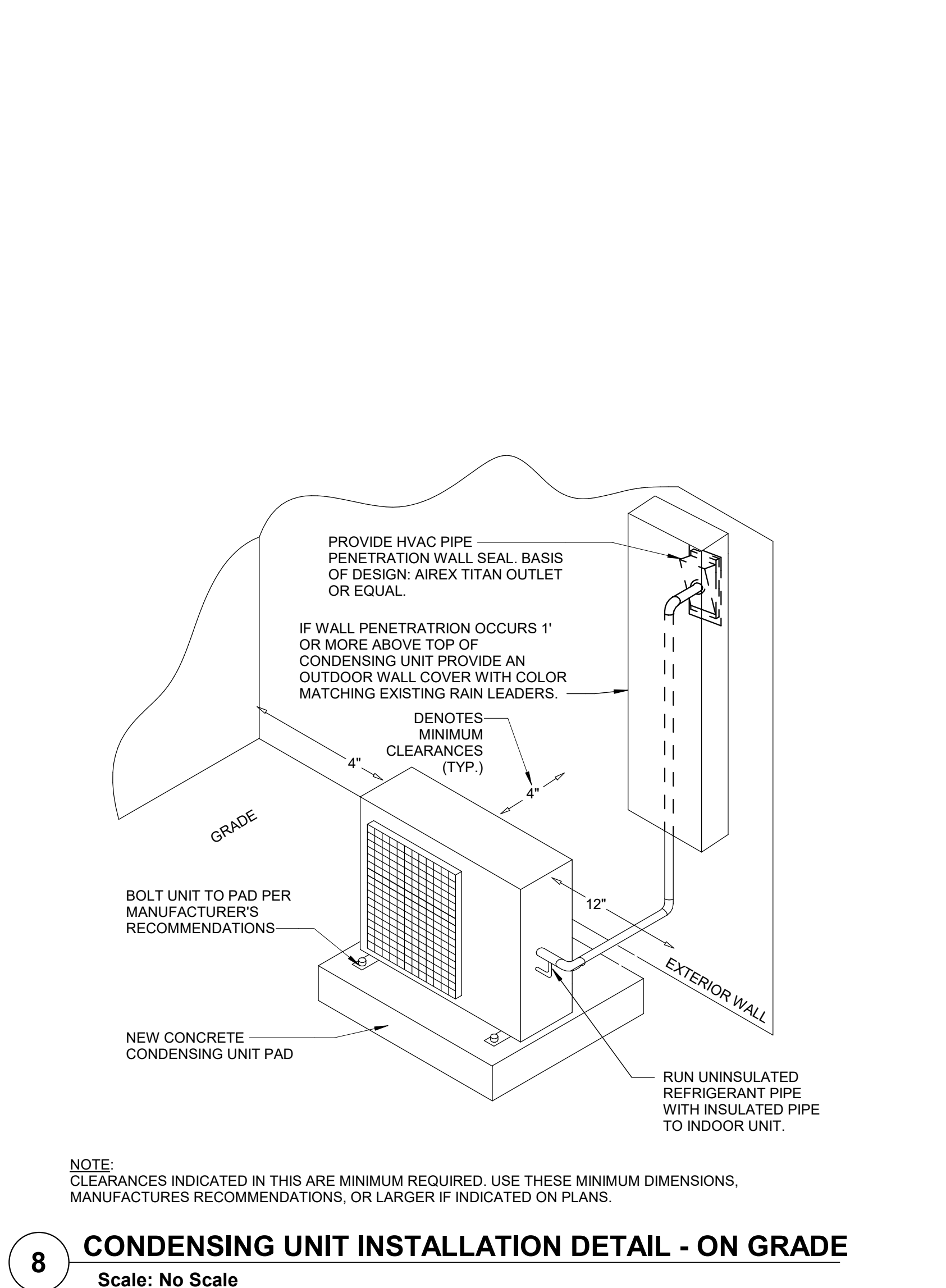
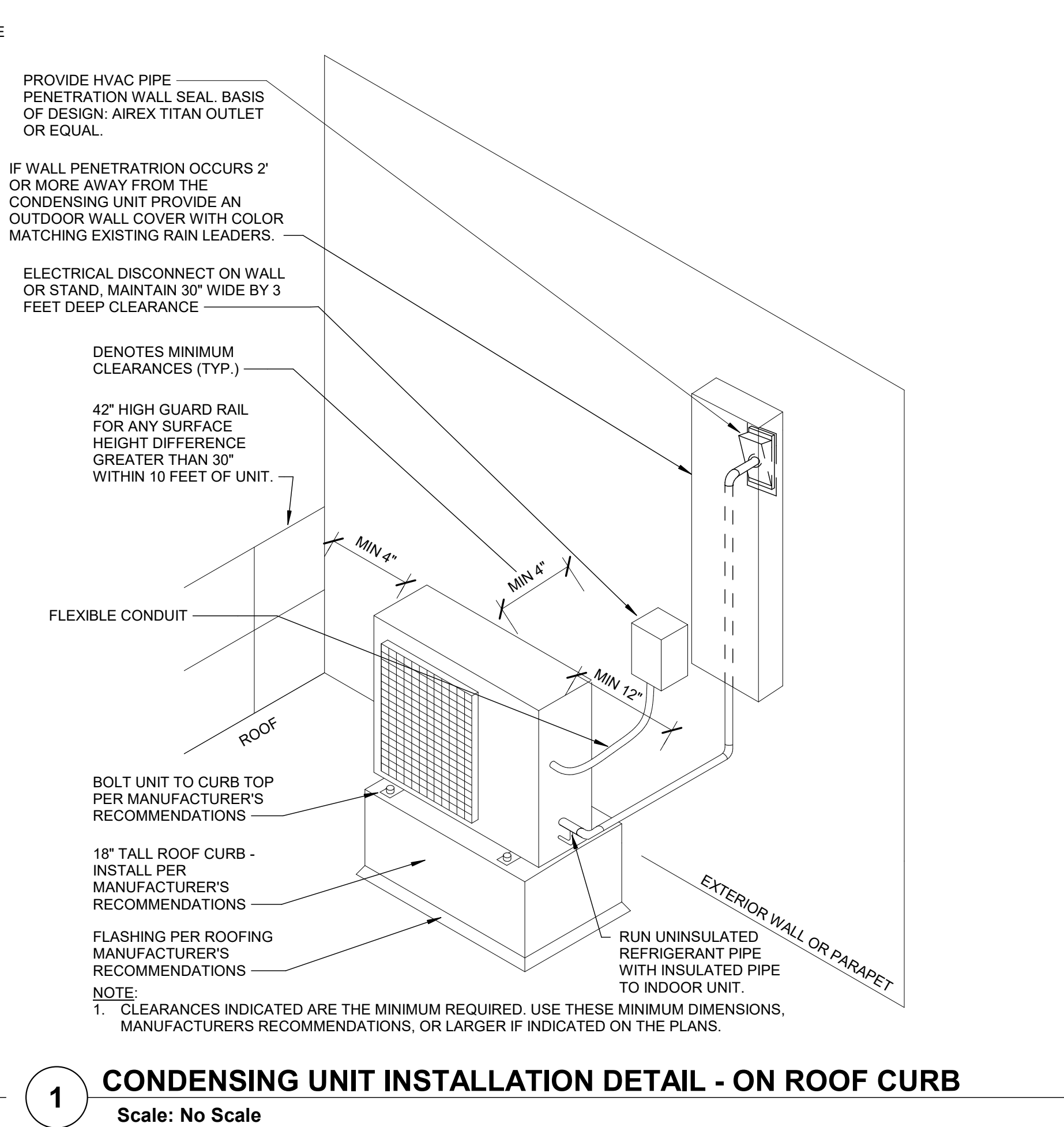
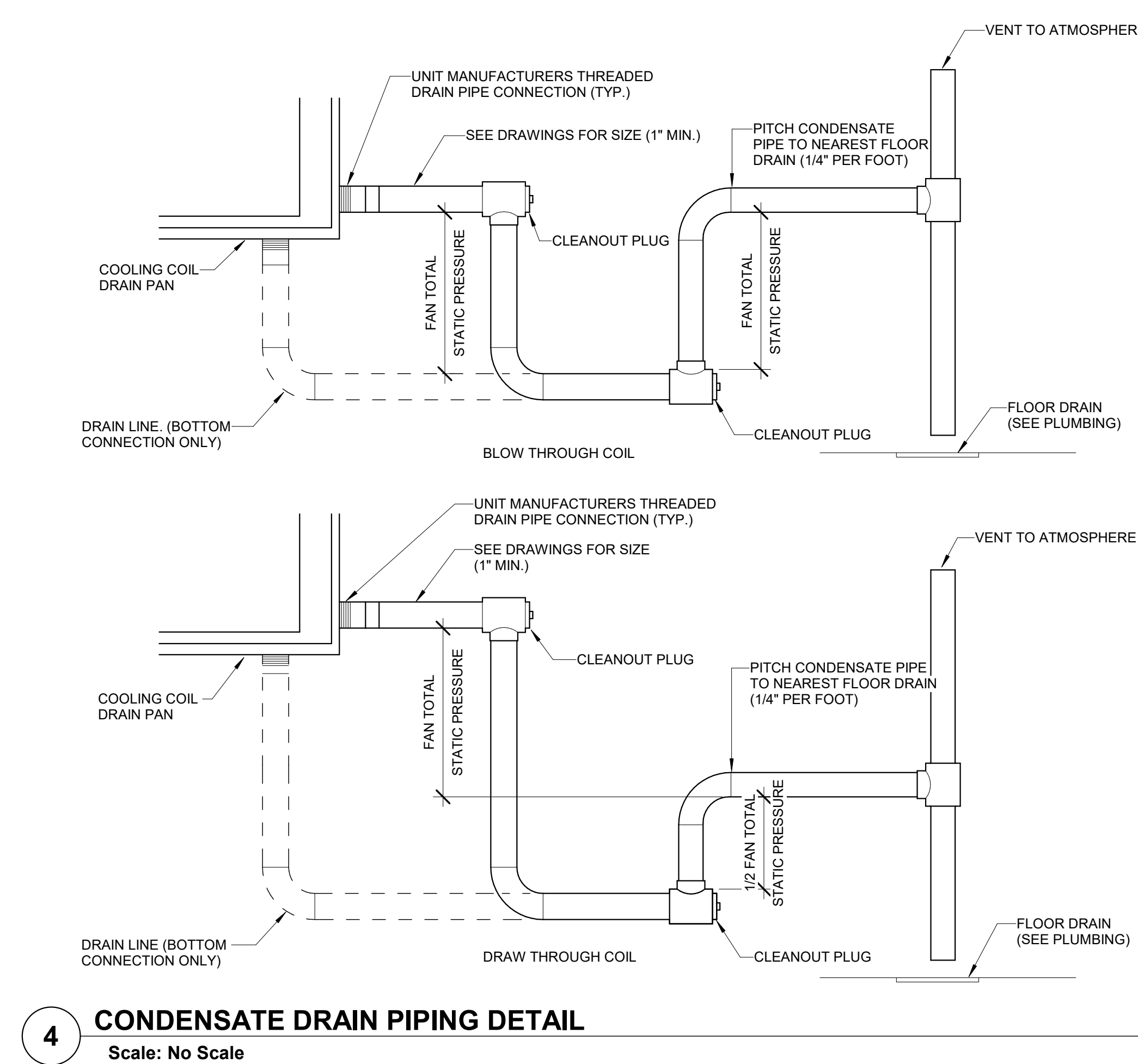
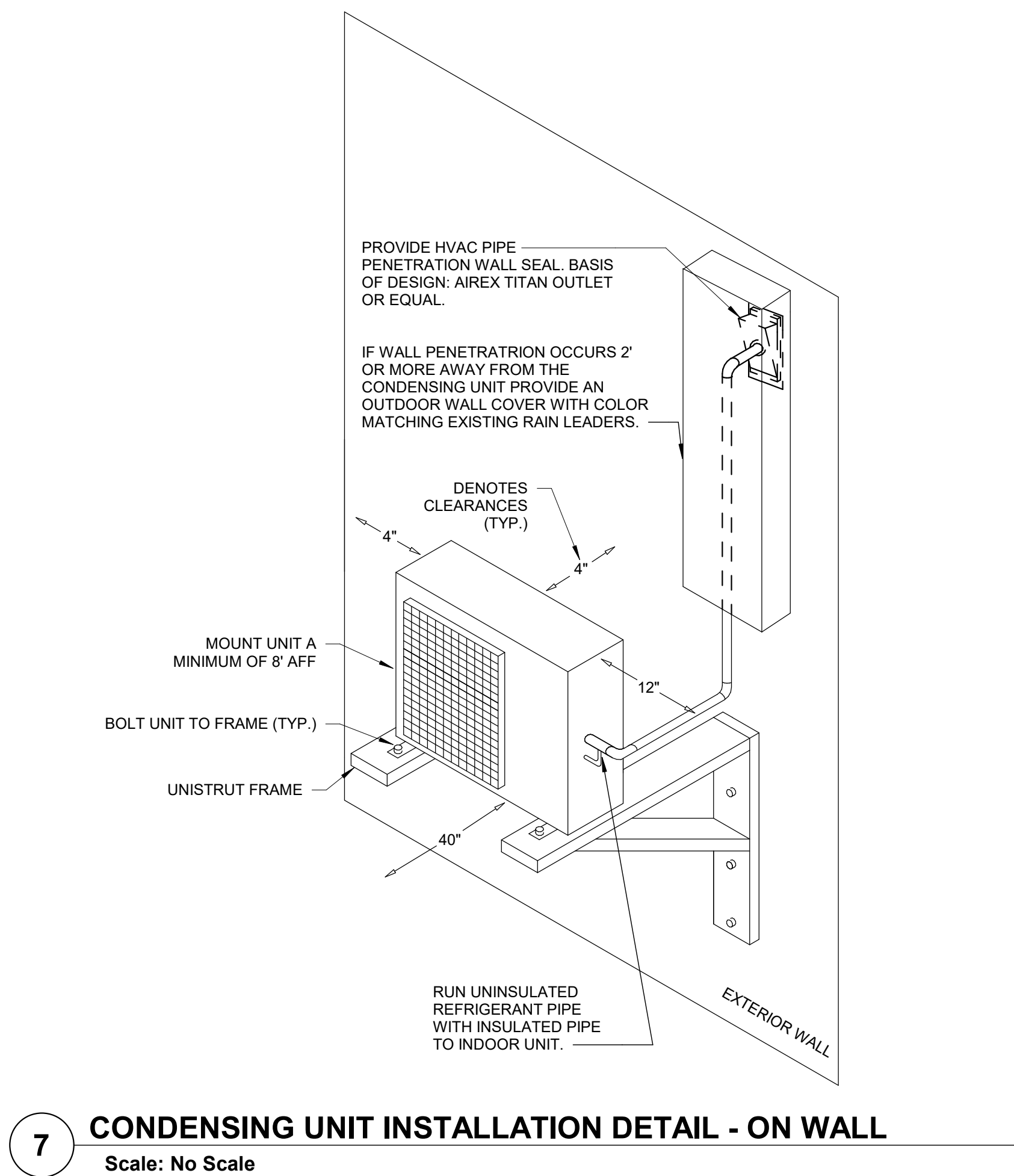


**BUILDING 7 - ELEVATOR S1
MACHINE ROOM -
DEMOLITION PLAN** 
Scale: 1/4" = 1'-0"



FULLY SPRINKLERED
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FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

CONSULTANTS:				PROJECT MANAGER ACG Project Number 22-105 Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title MECHANICAL DETAILS Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018	Project Title UPGRADE ELEVATORS PH2 Approved Date MAY 14, 2025 Checked SWR Drawn SWR	VA PROJECT NUMBER 561-21-301 Building Number # 1, 2, 5, 7 Drawing Number M-501 Dwg 10 of 10
#	Revisions:	Date						

PHASING FOR BUILDING 1:

FOR THE BANK OF ELEVATORS 7 AND 8 & ASSOCIATED WORK IN THE MACHINE ROOM - ONE ELEVATOR TO BE DONE AT A TIME. NO WORK TO TAKE PLACE ON 2ND ELEVATOR UNTIL ALL WORK IS COMPLETE ON THE FIRST. THIS INCLUDES PUNCH LIST ITEMS AND ALL APPLICABLE INSPECTIONS. THE FIRST ELEVATOR MUST BE COMPLETE AND IN FULL OPERATION PRIOR TO COMMENCING WORK ON SECOND.

ELEVATOR 11 SHALL BE TREATED AS IT'S OWN PHASE.

FOR THE BANK OF ELEVATORS 12, 13, 16 AND 17 & ASSOCIATED WORK IN THE MACHINE ROOM - TWO ELEVATORS TO BE DONE AT A TIME. NO WORK TO TAKE PLACE ON THE NEXT PHASE OF ELEVATORS UNTIL ALL WORK IS COMPLETE ON THE CURRENT PHASE IN CONSTRUCTION. THIS INCLUDES PUNCH LIST ITEMS AND ALL APPLICABLE INSPECTIONS. THE ELEVATORS MUST BE COMPLETE AND IN FULL OPERATION PRIOR TO COMMENCING WORK ON THE SUBSEQUENT ELEVATORS. SEQUENCING OF WHICH TWO ELEVATOR MODERNIZATION TO TAKE PLACE FIRST, THEN NEXT IN THE BANK OF FOUR TO BE COORDINATED WITH VA COR.

PHASING FOR BUILDING 2, 5 & 7:

WORK IN THE ELEVATORS IN EACH OF THESE RESPECTIVE BUILDINGS MAY OCCUR SIMULTANEOUSLY. SUBMIT A WORK PLAN TO THE COR DETAILING WHEN WORK SHALL OCCUR IN EACH BUILDING, AND OBTAIN APPROVAL PRIOR TO COMMENCING WORK.

ALTERNATE NOTES

- DELETE ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 5. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.
- THIS BID DEDUCT INCLUDES BID DEDUCT ALTERNATE 1 AND DELETES ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 2. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.
- THIS BID DEDUCT INCLUDES BID DEDUCT ALTERNATE 1 AND 2 AND DELETES ALL ASSOCIATED WORK FOR ELEVATOR MODERNIZATION IN BUILDING 7. THIS INCLUDES ALL ELEVATOR WORK, GENERAL TRADES, FIRE PROTECTION, PLUMBING, MECHANICAL, ELECTRICAL AND TECHNOLOGY WORK.

ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)	CONST	CONSTRUCTION	GAL	GALLON	MTR	MOTOR, MOTORIZED	SPKR	SPEAKER
1PH	1 PHASE	CONIT	CONTINUATION OR CONTINUOUS	GALV	GALVANIZED	MTS	MANUAL TRANSFER SWITCH	SP	SPARE
2/C	TWO-CONDUCTOR (3/C, 4/C, ETC.)	CONTR	CONTRACTOR	GEN	GENERATOR	NA	NOT APPLICABLE	SR	SURFACE RACEWAY
2W	TWO-WIRE (3W, 4W, ETC.)	COORD	COORDINATE	GFI	GROUND FAULT CIRCUIT INTERRUPTER	NC	NORMALLY CLOSED	SS	STAINLESS STEEL
3PH	3 PHASE	COR	CONTRACTING OFFICER'S REPRESENTATIVE	GND	GROUND	NEC	NATIONAL ELECTRICAL CODE	SSW	SELECTOR SWITCH
A	AMPERE	CPT	CONTROL POWER TRANSFORMER	GRS	GALVANIZED RIGID STEEL (CONDUIT)	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION	STD	STANDARD
AAP	ALARM ANNUNCIATOR PANEL	CRI	COLOR RENDERING INDEX	GYP BD	GYPSUM BOARD	NFDS	NON-FUSED SAFETY DISCONNECT SWITCH	SURF	SURFACE MOUNTED
AC	ABOVE COUNTER	CT	CABLE TELEVISION			NIC	NOT IN CONTRACT	SW	SWITCH
ACC	ACCESSIBLE	CTV	CENTER			NL	NIGHT LIGHT	SWBD	SYMMETRICAL
ACG	ABOVE CEILING	CTR	COPPER			NTS	NOT TO SCALE	SYS	SYSTEM
ADO	AUTOMATIC DOOR OPENER	CU FT	CUBIC FEET					TC	TIMECLOCK
A/E	ARCHITECT/ENGINEER	D	DEMOLITION					TEL	TELEPHONE
AMP	AMP FRAME	dB	DECIBEL					TEL/DATA	TELEPHONE/DATA
AF	AVAILABLE FAULT CURRENT (KILOAMPS)	DB	DIRECT BURIAL			OC	ON CENTER	TERM	TERMINAL
AFB	ABOVE FINISHED FLOOR	DC	DIRECT CURRENT			HVC	HEATING, VENTILATING AND AIR CONDITIONING	TP	TWISTED PAIR
AFG	ABOVE FINISHED GRADE	DEG C	DEGREES CELSIUS			OH	OVERHEAD	TPS	TWISTED PAIR SHIELDED
AFCI	ARC FAULT CIRCUIT INTERRUPTER	DEG F	DEGREES FAHRENHEIT			OL	OVERLOAD	TR	TAMPER RESISTANT
AHJ	AUTHORITY HAVING JURISDICTION	DEMO	DEMOLISH/DEMOLITION			PA	PUBLIC ADDRESS	T-STAT	THERMOSTAT
AHU	AIR HANDLING UNIT	DEPT	DEPARTMENT			PB	PULL BOX OR PUSHBUTTON	TTB	TELEPHONE TERMINAL BOARD
AIC	AMPERE INTERRUPTING CAPACITY	DIA	DIAMETER			PBP	PREFABRICATED BEDSIDE PATIENT UNIT	TV	TELEVISION
AL	ALUMINUM	DISC	DISCONNECT			PCB	POLYCHLORINATED BIPHENYL	TYP	TYPICAL
ALT	ALTERNATE	DIST	DISTRIBUTION			PCD	PHOTOELECTRIC CELL	UC	UNDER COUNTER
AMP	AMPERE	DN	DOWN			PDU	POWER DISTRIBUTION UNIT	UE	UNDERGROUND ELECTRICAL
APPROX	APPROXIMATELY	DS	DOUBLE DISCONNECT SWITCH			PE	PEDESTAL	UG	UNDERGROUND
ARCH	ARCHITECT, ARCHITECTURAL	DWG	DRAWING			PEND	PENDANT	UH	UNIT HEATER
AT	AMP TRIP	EC	ELECTRICAL CONTRACTOR			PF	POWER FACTOR	UL	UNDERWRITER'S LABORATORY
ATS	AUTOMATIC TRANSFER SWITCH	EG	EQUIPMENT GROUND			PH	PHASE	UN	UNDERGROUND TELEPHONE
AUTO	AUTOMATIC	ELEV	ELEVATOR			PIV	POST INDICATING VALVE	UTP	UNSHIELDED TWISTED PAIR
AUX	AUXILIARY	EM	EMERGENCY			PNL	PANEL	UTL	UTILITY
AV	AUDIO VISUAL	EMI	ELECTROMAGNETIC INTERFERENCE			POE	POWER-OVER-ETHERNET	UV	UNIT VENTILATOR OR ULTRAVIOLET
AWG	AMERICAN WIRE GAUGE	EMS	ENERGY MANAGEMENT SYSTEM			PR	PAIR	UPS	UNINTERRUPTIBLE POWER SUPPLY
BAS	BUILDING AUTOMATION SYSTEM	EMT	ELECTRICAL METALLIC TUBING			PRJ	PROJECTION	V	VOLT
BATT	BATTERY	EMF	EMERGENCY POWER OFF			PRV	POWER ROOF VENTILATOR	VA	VOLT-AMPERES
BC	BARE COPPER	EPO	EQUIPMENT			POT	POTENTIAL TRANSFORMER	VD	VOLTAGE DROP
BD	BOARD	EQIP	EQUIPMENT			PV	PHOTOVOLTAIC	VFD	VARIABLE FREQUENCY DRIVE
BFF	BELOW FINISHED FLOOR	ESMT	EASEMENT			PVC	POLYVINYL CHLORIDE (CONDUIT)	VOL	VOLUME
BLD	BUILDING	EXIST	EXISTING TO REMAIN			LTNG	LIGHTNING	W	WATT
BMS	BUILDING MANAGEMENT SYSTEM	EW	ELECTRIC WATER COOLER			LV	LOW VOLTAGE	WI	WITH
BYP	BYPASS	EWH	ELECTRIC WALL HEATER			MC	MEDIUM VOLTAGE	WH	WATER HEATER
C	CONDUIT	E	EXISTING			MCA	MINIMUM CIRCUIT AMPACITY	W/O	WITHOUT
CAB	CABINET	EXP	EXPLOSION PROOF			MCB	MAIN CIRCUIT BREAKER	WP	WEATHER-PROTECTED
CALC	CALCULATED	FA	FIRE ALARM			MCC	MOTOR CONTROL CENTER	XFM	TRANSFORMER
CAP	CAPACITY	FAFP	FIRE ALARM ANNUNCIATOR PANEL			MCD	MAIN DISTRIBUTION PANEL	XFR	TRANSFER
CAT	CATALOG, CATEGORY	FACP	FIRE ALARM CONTROL PANEL			MCH	MECHANICAL		
CATV	COMMUNITY ANTENNA TELEVISION	FC	FOOTCANDLE			MFR	MANUFACTURER		
CB	CIRCUIT BREAKER	FCU	FAN COIL UNIT			MS	MAIN FUSED DISCONNECT SWITCH		
CCR	CONTROL CONTRACTOR	FKT	FIXTURE			SEC	SECONDARY		
CCTV	CLOSED CIRCUIT TELEVISION	FLR	FLOOR			SF	SQUARE FEET/FOOT		
CAN	CANDLE	FUSE	FUSE			SHT	SHEET		
CD	CONSTRUCTION DOCUMENTS	FUS	FUSED SAFETY DISCONNECT			SI	INTERNATIONAL SYSTEM OF UNITS		
CF	CONTRACTOR-FURNISHED	FVR	FULL VOLTAGE REVERSING			SIM	SIMILAR		
CKT	CIRCUIT	FVNR	FULL VOLTAGE NON-REVERSING			SN	SOLID NEUTRAL		
CLG	CEILING					MOC	MAXIMUM OVERCURRENT PROTECTION		
CO	CONTRACTING OFFICER					MSBD	MAIN SWITCHBOARD		
COAX	COAXIAL CABLE					MT	MOUNT		
COMM	COMMUNICATION					MV	MEDIUM VOLTAGE		
CONN	CONNECTION								

GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL DEVICES, FIXTURES, EQUIPMENT AND FEEDERS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCAL AND STATE CODES, AMERICANS WITH DISABILITIES ACT AND WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND VA STANDARDS.
- PROVIDE ADDITIONAL SUPPORT FOR DEVICES, FIXTURES, EQUIPMENT AND FEEDERS WHERE THE BUILDING CONSTRUCTION IS NOT SUITABLE FOR DIRECT MOUNTING.
- FIRESTOP, DRAFTSTOP, SMOKESTOP AND/OR PROTECT THE ANNULAR SPACE AROUND ALL PENETRATIONS THROUGH WALLS, PARTITIONS, FLOORS, CEILING, AND ROOFS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, UL LISTING REQUIREMENT, SPECIFICATIONS, AND THE APPLICABLE BUILDING CODES.
- VERIFY CEILING SYSTEMS AND PROVIDE MOUNTING ACCESSORIES, TRIMS AND ALL REQUIRED MOUNTING HARDWARE TO SUIT THE PARTICULAR INSTALLATION.
- PROTECT EXISTING UNDERGROUND AND BUILDING INTERIOR UTILITIES DURING CONSTRUCTION.
- BRANCH CIRCUIT CONDUCTORS SHALL BE 12 AWG COPPER MINIMUM.
- COORDINATE ANY AND ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION SO AS TO AVOID CONFLICT DURING CONSTRUCTION.
- ALL PANELS SHALL HAVE TYPED, COMPLETED DIRECTORIES INDICATING EQUIPMENT SERVED AND ROOM NUMBER (AS INDICATED ON FINAL BUILDING ROOM SIGNAGE) OF EQUIPMENT LOCATION, OR SPARE, OR SPACE.
- MANUFACTURER'S NAME AND MODEL NUMBER ARE GIVEN FOR DESCRIPTIVE PURPOSES. TO INDICATE A QUALITY STANDARD, AND ARE NOT INTENDED TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DEEMED EQUAL AND APPROVED BY THE DESIGNER WILL BE ACCEPTED. ALL PRODUCTS MUST COMPLY WITH "BUY AMERICAN" ACT".
- ALL FEEDERS AND CIRCUITRY SHALL BE TORQUED PER THE PANEL, BREAKER, AND/OR PARTICULAR EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
- CIRCUITRY TO SWITCHES, RECEPTACLES, AND ALL OTHER DEVICES SHALL BE TERMINATED ON THE DEVICE'S SCREW TERMINALS.
- MOUNTING HEIGHTS INDICATED ARE TO CENTER OF DEVICE, OUTLET, FIXTURE, OR EQUIPMENT UNLESS NOTED OTHERWISE.
- ALL WIRE TERMINATIONS SHALL BE RATED FOR 75 DEGREES C.
- ALL CONDUCTORS SHALL HAVE THHN/THWN INSULATION, UNLESS OTHERWISE NOTED.
- ALL CONDUIT SHALL BE RGS OR EMT UNLESS OTHERWISE NOTED. FMC CONDUIT SHALL BE USED ON VIBRATING EQUIPMENT (MAXIMUM LENGTH OF 6 FEET). PVC SHALL BE USED FOR UNDERGROUND CONDUIT OR WHERE CONCRETE-ENCASED, WHERE VIBRATING EQUIPMENT IS LOCATED OUTSIDE, LFMC CONDUIT SHALL BE USED (MAXIMUM SIX FEET) FOR FINAL CONNECTIONS.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY.
- FOR ALL LED FIXTURES, THE FIXTURE MUST BE CAPABLE OF SELF-RESETTING TO THE SWITCHED/CONTROLLED STATE DURING ANY FLUCTUATION IN POWER SUPPLY WHERE AUTOMATIC PROTECTIVE MEASURES DISABLE THE LED LAMPS. PROVIDE A LETTER OR STATEMENT FROM THE MANUFACTURER, OR OTHER ACCEPTABLE PROOF, THAT ALL LED FIXTURES, WITH OR WITHOUT BROWNOUT PROTECTION, WILL RETURN TO THE SWITCHED/CONTROLLED STATE AUTOMATICALLY. PROVIDE STATEMENT WITH THE FIXTURE SUBMITTALS.
- IN CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG THE CONTRACT DRAWINGS, THE BETTER QUALITY, MORE STRINGENT REQUIREMENTS OR GREATER QUANTITY OF WORK, AS DETERMINED BY THE GOVERNMENT, SHALL BE PROVIDED.
- COMPRESSION COUPLINGS SHALL BE USED. NO SET SCREW FITTINGS ARE ALLOWED.
- MINIMUM CONDUIT SIZE TO BE USED IS 3/4".
- FEEDER TAGS APPENDED WITH 'VD' ARE UPSIZED IN AMPACITY DUE TO VOLTAGE DROP.
- ALL ITEMS AND MATERIALS SHOWN, INDICATED, OR REQUIRED FOR A COMPLETE PROJECT SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR, UNLESS NOTIFIED OTHERWISE.
- CONTRACTOR SHALL COORDINATE ANY ELECTRICAL SYSTEM REQUIRED SHUTDOWN WITH THE COR TWO WEEKS IN ADVANCE AND CONFIRM 48 HOURS PRIOR.
- CONTRACTOR SHALL OBTAIN A VA HOSPITAL DIRECTOR ISSUED, HOT WORK PERMIT FROM THE COR OR APPROVED REPRESENTATIVE. CONTRACTOR SHALL OBTAIN THE PERMIT A MINIMUM OF TWO WEEKS PRIOR TO ANY WORK THAT WILL CAUSE A POWER OUTAGE OR WORK THAT IS CONSIDERED "HOT WORK".

LIGHT FIXTURE SCHEDULE

GENERAL NOTES:

- MANUFACTURER AND CATALOG NUMBERS SHOWN ARE FOR BASIS OF DESIGN, DESCRIPTIVE AND QUALITY STANDARDS ONLY. NOT TO BE USED FOR ORDERING WITHOUT VERIFICATION AND APPROVAL. CONTRACTOR TO PROVIDE PRODUCT OR EQUAL FOR APPROVAL BY OWNER, ARCHITECT AND ENGINEER. ENGINEER SHALL NOT BE RESPONSIBLE FOR MISMATCHED OR INACCURATE PART NUMBERS.
- VERIFY ALL LIGHT FIXTURE MOUNTING TYPES AND COLORS WITH THE ARCHITECT.
- FOR ALL LED FIXTURES, THE FIXTURE SHALL BE CAPABLE OF SELF-RESETTING TO THE SWITCHED/CONTROLLED STATE DURING ANY FLUCTUATION IN POWER SUPPLY WHERE AUTOMATIC PROTECTIVE MEASURES DISABLE THE LED LAMPS. PROVIDE A LETTER OR STATEMENT FROM THE MANUFACTURER, OR OTHER ACCEPTABLE PROOF, THAT ALL LED FIXTURES, WITH OR WITHOUT BROWNOUT PROTECTION SHALL RETURN TO THE SWITCHED/CONTROLLED STATE AUTOMATICALLY. PROVIDE STATEMENT WITH THE FIXTURE SUBMITTALS.
- LIGHTING CONTROLS, INCLUDING CONTROL SCHEMATICS, DEVICES, SWITCHES, SENSORS AND GRAPHIC DISPLAYS/CONTROLLERS, MUST BE SUBMITTED WITH THE LIGHT FIXTURE SHOP DRAWINGS, FOR A COMPLETE REVIEW.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE COMPATIBILITY OF THE LIGHTING CONTROLS WITH THE APPROVED LIGHT FIXTURE PACKAGE.

TYPE	DESCRIPTION	MOUNTING	LAMP	DRIVER	WATTS	VOLTAGE	MANUFACTURER	MODEL NUMBER
A	4" LINEAR LED STRIPLIGHT WITH FROSTED LENS	CHAIN SUSPEND	LED, 6,812 LUMENS, 80 CRI, 4000K	ELECTRONIC LED DRIVER	52 W	MOVOLT	LITHONIA	ZL1N L48 7000LM FST MVOLT 40K 80CRI
B	4" LINEAR SURFACE MOUNTED EXTREME ENVIRONMENT LED ELEVATOR PIT LIGHT; WITH RIBBED FROSTED ACRYLIC LENS, ENCLOSED AND GASKETED, WET LOCATION	SURFACE WALL	LED, 4,250 LUMENS, 80 CRI, 4000K	ELECTRONIC LED DRIVER	33 W	MOVOLT	COLUMBIA LIGHTING	LXEM4-40LW-RFA-EU
E1	SINGLE FACED EXIT SIGN WITH MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUMINUM FACE, RED LETTERS, AND CHEVRON ARROWS AS SHOWN ON PLANS.	UNIVERSAL	LED RED	---	5 W	MOVOLT	LITHONIA	LES 1 R 120/277

DUCTLESS SPLIT SYSTEM SCHEDULE

EVAPORATOR MARK	LOCATION	BUILDING/AREA SERVED	TYPE	CONDENSOR MARK	LOCATION	MCA	MOC	PHASE	REMARKS
1-P7-IU	PHB-2 MECHANICAL EQUIPMENT	B. 1 ELEVATOR 4P	WALL MOUNT	1-P7-OU	PHB-1 ROOF	19.5	30.0	208	1 SEE NOTES
1-P8-IU	PHB-2 MECHANICAL EQUIPMENT	B. 1 ELEVATOR P8	WALL MOUNT	1-P8-OU	PHB-1 ROOF	19.5	30.0	208	1 SEE NOTES
1-P11-IU	MECHANICAL ROOM 5-226A	B. 1 ELEVATOR P11	WALL MOUNT	1-P11-OU	6TH FLOOR ROOF	19.5	30.0	208	1 SEE NOTES
1-P12-IU	PENTHOUSE A	B. 1 ELEVATOR P12	WALL MOUNT	1-P12-OU	PENTHOUSE A ROOF	19.5	30.0	208	1 SEE NOTES
1-P13-IU	PENTHOUSE A	B. 1 ELEVATOR P13	WALL MOUNT	1-P13-OU	PENTHOUSE A ROOF	19.5	30.0	208	1 SEE NOTES
1-P16-IU	PENTHOUSE A	B. 1 ELEVATOR P16	WALL MOUNT	1-P16-OU	PENTHOUSE A ROOF	19.5	30.0	208	1 SEE NOTES
1-P17-IU	PENTHOUSE A	B. 1 ELEVATOR P17	WALL MOUNT	1-P17-OU	PENTHOUSE A ROOF	19.5	30.0	208	1 SEE NOTES
2-P1-IU	ELEVATOR MACHINE 2-401	B. 2 ELEVATOR P1	WALL MOUNT	2-P1-OU	ROOF	19.5	30.0	208	1 SEE NOTES
5-P1-IU	MECHANICAL ROOM 5-1-108	B. 5 ELEVATOR P1	WALL MOUNT	5-P1-OU	ROOF	19.5	30.0	208	1 SEE NOTES
7-P1-IU	MECHANICAL ROOM B-177	B. 7 ELEVATOR P1	WALL MOUNT	5-P1-OU	COURTYARD ON WALL	19.5	30.0	208	1 SEE NOTES

- NOTES
- PROVIDE WITH STANDARD WALL THERMOSTAT, FILTER, R32 REFRIGERANT, AND INTEGRAL CONDENSAT E PUMP.
 - INDOOR UNIT ELECTRICAL IS FED FROM OUTDOOR UNIT.
 - LOW AMBIENT OPERATION TO OF.

PUMP SCHEDULE

MARK	LOCATION	TYPE	FLUID	FLUID	HEAD	NOMINAL POWER	PHASE	VOLT	R.P.M.
MARK	LOCATION	TYPE	WASTE	GPM	FT WG	HP			
1-P7-SP	ELEVATOR PIT SERVING ELEVATOR 7 AND 8	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750
1-P11-SP	ELEVATOR PIT SERVING ELEVATOR 11	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750
1-P12-SP	ELEVATOR PIT SERVING ELEVATOR 12 AND 13	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750
1-P16-SP	ELEVATOR PIT SERVING ELEVATOR 16 AND 17	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750
2-P1-SP	ELEVATOR PIT SERVING ELEVATOR 1	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750
5-P1-SP	ELEVATOR PIT SERVING ELEVATOR 1	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750
7-S1-SP	ELEVATOR PIT SERVING ELEVATOR 1	SUMP PUMP	WASTE	50.0	15	0.50	1	115	1750

ELECTRICAL SYMBOL NOTES

	THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER OR AN UPPER CASE LETTER AND NUMBER. THE SWITCH DESIGNATION (IF NEEDED) IS INDICATED BY A LOWER CASE LETTER.
	EXAMPLE: LIGHTING FIXTURE TYPE 'A1' IS CONTROLLED BY SWITCH 'E1'.
	EXIT SIGNS: STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S).
	EXAMPLE 1: WALL MOUNTED EXIT SIGN TYPE 'E1' WITH SINGLE FACE AND DIRECTIONAL ARROW.
	EXAMPLE 2: CEILING MOUNTED EXIT SIGN TYPE 'E2' WITH DOUBLE FACE AND DIRECTIONAL ARROWS.
	DEVICES: THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.
	EXAMPLE: SPLIT DUPLEX RECEPTACLE; ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH 'E'.
	THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER.
	EXAMPLE: SINGLE POLE SWITCH 'E' TO CONTROL LIGHTING FIXTURES INDICATED BY 'E'.
	TRANSFORMERS: THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER 'T'. SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS.
	EXAMPLE: TRANSFORMER TYPE 'T1'.
	PANELBOARDS: PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.
	SHEET KEY NOTE: SEE THE SHEET KEY NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE HEXAGON.
	DEMOLITION KEY NOTE: SEE THE SHEET KEY NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED IN THE SQUARE.
	HOME RUN TO BRANCH CIRCUIT PANEL: THE PANEL DESIGNATION AND CIRCUIT DESIGNATION ARE SHOWN ADJACENT TO THE HOME RUN ARROW. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANEL SCHEDULE WITH THE CORRESPONDING PANEL AND CIRCUIT DESIGNATION.
	EXAMPLE: HOME RUN TO PANELBOARD 'LPN'; CIRCUITS 1, 3, 5.
	SYMBOL NOTATIONS: UPPER CASE LETTERS ADJACENT TO SYMBOLS INDICATE A UNIT TYPE. SEE APPROPRIATE SCHEDULE OR SPECIFICATIONS.

WALL RATING LEGEND

	1 HR - FIRE SEPARATION
	2 HR - FIRE SEPARATION
	SMOKE RESISTIVE HAZARDOUS AREA

LIGHTING SYMBOL LEGEND

SYMBOL	HEIGHT AFF *	DESCRIPTION
	---	2' X 2' RECESSED ARCHITECTURAL TROFFER
	---	2' X 4' RECESSED ARCHITECTURAL TROFFER
	---	2' X 4' RECESSED FLAT LENS TROFFER
	7'-0" CENTER	2' LINEAR - WALL MOUNTED
	7'-0" CENTER	4' LINEAR - WALL MOUNTED
	4'-0" CENTER	4' LINEAR STRIP - SUSPENDED
	---	6" DIAMETER RECESSED DOWNLIGHT
	7'-5" BOTTOM	EXIT SIGN - WALL MOUNTED
	---	EXIT SIGN - CEILING MOUNTED
	7'-5" CENTER	EMERGENCY LIGHT BATTERY OPERATED - WALL MOUNTED
	6'-0" CENTER	WALL SCONCE
	48" CENTER	SINGLE POLE WALL SWITCH
	---	SWITCH MODIFIERS: OS: OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY VS: VACUANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY DR: DUAL RELAY VSD: VACUANCY SENSOR, LINE VOLTAGE, DIMMER OSD: OCCUPANCY SENSOR, LINE VOLTAGE, DIMMER LV: LOW VOLTAGE LVD: LOW VOLTAGE DIMMER T: DIGITAL TIMER K: KEYED 3: 3 WAY 4: 4 WAY
	---	OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY - CEILING MOUNTED
	---	OCCUPANCY SENSOR, LOW VOLTAGE, DUAL TECHNOLOGY - WALL/CORNER MOUNTED
	---	LOW VOLTAGE LIGHTING CONTROL DEVICE
	---	LOW VOLTAGE LIGHTING CONTROL DEVICE WITH 0-10V DIMMING
	---	LIGHT LEVEL SENSOR, SINGLE ZONE DIMMING CLOSED LOOP - CEILING MOUNTED

* - ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.

ELECTRICAL SYMBOL LEGEND

SYMBOL	HEIGHT	DESCRIPTION
	18"	120V SIMPLEX RECEPTACLE
	18"	120V DUPLEX RECEPTACLE
	18"	120V DUPLEX RECEPTACLE EMERGENCY OUTLET AND COVER PLATE SHALL BE RED IN COLOR
	18"	120V QUADRUPLX RECEPTACLE
	18"	120V QUADRUPLX RECEPTACLE EM

DESCRIPTION ITEM	JACK	CABLE	PATCH CABLES	I.D.	CONDUIT COLOR	NOTES
TELEPHONE	IVORY	IVORY	IVORY	T	-	4 PAIR CABLE
DATA/COMPUTER	BLUE	BLUE	BLUE	C	BLUE ¹	4 PAIR CABLE
WIRELESS ACCESS POINT	GREEN	GREEN ¹	GREEN	WAP	-	4 PAIR CABLE
FIBER - MULTI-MODE	BLACK	AQUA	AQUA	FO	MM	6/12/24/36
FIBER - SINGLE-MODE	IVORY	YELLOW ³	YELLOW	FO	SM	6/12/24
SOUND SYSTEM	N/A	GREEN ³	N/A	SS	YELLOW ²	MULTI COLOR CONDUCTORS
NURSE CALL	N/A	YELLOW ³	N/A	NC	YELLOW ²	4 PAIR UTP
MATV	N/A	BLACK	N/A	MATV	YELLOW ²	COAX RG6
SSTV - IP	WHITE	WHITE	WHITE	SSTV	YELLOW ²	SSTV
PACS	N/A	GRAY	N/A	PACS	YELLOW ²	MULTI COLOR CONDUCTORS

TECHNOLOGY GENERAL NOTES

1. PROVIDE COMMUNICATIONS DEVICES AND EQUIPMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, MANUFACTURER'S RECOMMENDED PROCEDURES, ALL APPLICABLE LOCAL AND STATE CODES, AMERICANS WITH DISABILITIES ACT, LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, BICSI STANDARDS, AND VAS STANDARDS.
2. PROVIDE ADDITIONAL SUPPORT FOR DEVICES AND EQUIPMENT WHERE BUILDING CONSTRUCTION IS NOT SUITABLE FOR DIRECT FLOOR MOUNTING.
3. FIRESTOP, DRAFTSTOP, SMOKESTOP OR PROTECT ANNULAR SPACE AROUND PENETRATIONS THROUGH WALLS, PARTITIONS, FLOORS, CEILINGS, AND ROOF IN ACCORDANCE WITH REQUIREMENTS OF NFPA 70, UL LISTING REQUIREMENT, SPECIFICATIONS, AND APPLICABLE BUILDING CODES.
4. PROVIDE CABLEING THAT COMPLIES WITH THE LATEST EDITION OF TELECOMMUNICATIONS DISTRIBUTION METHOD MANUAL AND ANSI/TIA/EIA PUBLICATIONS.
5. COMPLY WITH THE LATEST ANSI/TIA/EIA 758 AND 6078 OR 607A - GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS IN COMMERCIAL BUILDING.
6. COMPLY WITH THE LATEST ANSI/TIA/EIA 568B - COMMERCIAL BUILDING TELECOMMUNICATIONS WIRING STANDARD.
7. COMPLY WITH THE LATEST ANSI/TIA/EIA 569B - COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES.
8. COMPLY WITH THE LATEST NFPA 70 NATIONAL ELECTRICAL CODE.
9. COMPLY WITH THE LATEST NFPA 99 HEALTH CARE FACILITIES CODE.
10. COMPLY WITH THE LATEST NFPA 101 LIFE SAFETY CODE.
11. COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION.
12. MANUFACTURER'S NAME AND MODEL NUMBER ARE GIVEN FOR DESCRIPTIVE PURPOSES TO IDENTIFY A QUALITY STANDARD. CONTRACTOR NOT INTENDED TO LIMIT PRODUCTS TO A PARTICULAR MANUFACTURER. PRODUCTS DEEMED EQL AND APPROVED BY THE COR WILL BE ACCEPTABLE. COMPLY WITH "BUY AMERICAN ACT".
13. MOUNTING HEIGHTS INDICATED ARE TO CENTER OF DEVICE, BOXES, OUTLET, OR EQUIPMENT UNLESS NOTED OTHERWISE.
14. PROVIDE RGS OR EMT CONDUIT UNLESS OTHERWISE NOTED.
15. PROVIDE MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT LABEL LISTED BY APPROVED THIRD PARTY TESTING AGENCY.
16. NOTIFY COR REGARDING DISCREPANCY BETWEEN PLANS AND SPECIFICATIONS FOR CLARIFICATION. THE MORE STRINGENT OF THEM SHALL TAKE PRECEDENCE.
17. PROVIDE TIA/EIA CAT 6A COPPER OUTLETS AND CONNECTORS.
18. ALL WORK AREA OUTLETS SHALL BE 8 PIN, CAT 6A KEYSTONE JACK WIRED PER T568A OR T568B AS DIRECTED BY THE VA COR.
19. LABEL DEVICES IN ACCORDANCE WITH LATEST ANSI/TIA/EIA 606A OR 606B EDITION AS WELL AS THE STANDARDS SET FORTH BY THE VA HOSPITAL OIT.
20. PROVIDE A MINIMUM OF 12" CLEARANCE ABOVE THE CABLE TRAY PER TIA/EIA 569.B PARAGRAPH 4.5.6.2.
21. VA WILL CONDUCT A WAP SURVEY AND PROVIDE THE SURVEY TO THE CONTRACTOR. INSTALL CABLEING AND EQUIPMENT IN ACCORDANCE WITH THE SURVEY. COORDINATE WITH COR/OIT.
22. ALL CABLEING INSTALLED ABOVE CEILING SHALL BE PLENUM RATED.
23. MINIMUM CONDUIT SIZE TO BE USED IS 3/4" EMT.
24. DEVICES PLACED IN INTERCOMMUNICATION ROOM TO BE MOUNTED ON FIRE RETARDANT PLYWOOD.
25. ALL CAMERAS SHALL BE IN COMPLIANCE WITH THE NATIONAL DEFENSE AUTHORIZATION ACT.

TECHNOLOGY ABBREVIATIONS LIST

ADO AFF	AUTOMATIC DOOR OPERATOR ABOVE FINISH FLOOR	QC OIT	ON CENTER OFFICE OF INFORMATION TECHNOLOGY
BOD	BASIS OF DESIGN	PACS PAMN	PHYSICAL ACCESS CONTROL SYSTEM PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEM
CCTV COAX COMM COR	CLOSED CIRCUIT TELEVISION COAXIAL CABLE COMMUNICATION CONTRACTING OFFICER REPRESENTATIVE	PB PB1 POD POE PR	PUSH BUTTON PRIMARY BONDING BUSBAR RACK POWER DISTRIBUTION UNITS POWER OVER ETHERNET PAIR
DC DN DO- DVR	DOOR CONTACT SWITCH DOWN DOOR OPERATOR DIGITAL VOICE COMMAND DIGITAL VIDEO RECORDER	RBB RX SBB SEP SLC	RACK BONDING BUSBAR REQUEST TO EXIT SECONDARY BONDING BUSBAR SERVICE ENTRANCE PROTECTION SIGNALING LINE CIRCUIT
E EEB EL ETR	EXISTING DEVICES EMERGENCY EXIT BUTTON ELECTRICAL STRIKE EXISTING TO REMAIN	TM TBB TEL TELEDATA	SINGLE MODE FIBER TELECOMMUNICATIONS BONDING BACKBONE TELEPHONE TELEPHONE/DATA
FA FACP FAAP FO FAGAP	FIRE ALARM FIRE ALARM CONTROL PANEL FIBER OPTIC FIRE ALARM ANNUNCIATOR FIRE ALARM GRAPHIC ANNUNCIATOR PANEL	TBC TM TEBC TP TR TTB	TELECOMMUNICATIONS BONDING CONDUCTOR TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR TWISTED PAIR TELECOM ROOM TELEPHONE TERMINAL BOARD
IT	INTERCOMMUNICATION ROOM	TV WAP	TELEVISION WIRE MANAGEMENT WIRELESS ACCESS POINT
MATV MM	MASTER ANTENNA TELEVISION MULTI MODE FIBER	WM WAP	WIRE MANAGEMENT WIRELESS ACCESS POINT
NAC N NCA NS NTS NVR	NETWORK APPLIANCE CIRCUIT PANEL NEW DEVICES NETWORK CONTROL ANNUNCIATOR NO SCALE NOT TO SCALE NETWORK VIDEO RECORDER	UL UPS UTP	UNDERWRITERS LABORATORY UNINTERRUPTIBLE POWER SUPPLY UNSHIELDED TWISTED PAIR

TECHNOLOGY SYMBOL LEGEND

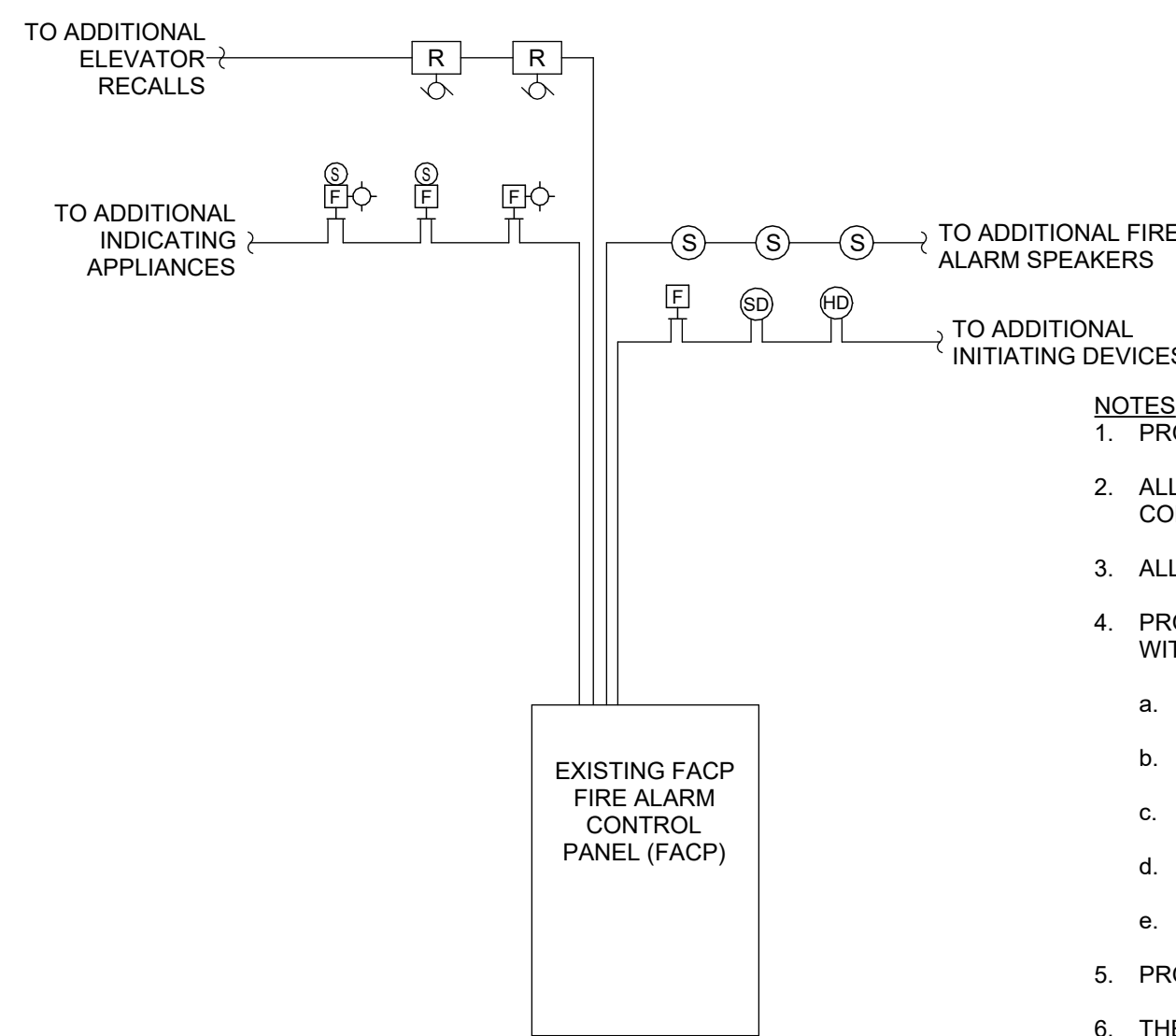
SYMBOL	HEIGHT	DESCRIPTION	
	18"	DATA OUTLET - N-4 PR UTP	(N - QUANTITY)
	48"	TELCO OUTLET - N-4 PR UTP	(N - QUANTITY)
	48"	WALL PHONE JACK	
	CEILING	WIRELESS ACCESS POINT - N-4 PR UTP	(N - QUANTITY)
	CEILING	SECURE WIRELESS ACCESS POINT - N-4 PR UTP	(N - QUANTITY)
	AS NOTED	TV OUTLET WALL MOUNTED	
	6' TO TOP	PHYSICAL ACCESS CONTROL SYSTEM	
	48"	CARD READER (K - KEYPAD)	
	DOOR	ELECTRONIC LOCKING MECHANISM	
	DOOR	ELECTRONIC PANIC HARDWARE	
	DOOR	DOOR CONTACT	
	ABOVE DOOR	REQUEST FOR EXIT SENSOR	
	DOOR	DOOR OPERATOR	
	48"	HANDWAVE	
	48"	EMERGENCY EXIT BUTTON TO RELEASE DOOR (EEB)	
	88"	MOTION DETECTOR	
	54"	INTERCOM WITH CAMERA	
	DESK	INTERCOM MASTER WITH PUSH TO RELEASE DOOR	
	6' TO TOP	NURSE CALL EQUIPMENT CABINET	
	18"	NURSE CALL MASTER STATION/CONSOLE	
	HEADWALL	NURSE CALL PATIENT STATION WITH PILLOW SPEAKER 2 ADDITIONAL PUSHBUTTONS, 1/4 RECEPTACLE AND COVER (1 - SINGLE, 2 - DUAL, V - VANDAL RESISTANT)	
	HEADWALL	NURSE CALL PATIENT STATION WITH CALL CORD. (1 - SINGLE, 2 - DUAL, V - VANDAL RESISTANT)	
	40", 72"	NURSE CALL EMERGENCY STATION WITH PULL CORD AND AUDIO +40" AFF IN RESTROOM, +72" AFF IN SHOWER (V - VANDAL RESISTANT, PB - PUSH BUTTON)	
	HEADWALL /40"	NURSE CALL CODE BLUE STATION WITH COVER	
	CEILING	NURSE CALL DOME LIGHT (Z - ZONE LIGHT, V - VANDAL RESISTANT)	
	ABOVE DOOR	NURSE CALL DOME LIGHT	
	18"	NURSE CALL PATIENT BED INTERFACE RECEPTACLE	
	60"	NURSE CALL DUTY STATION	
	60"	NURSE CALL STAFF TERMINAL	
	CEILING	NURSE CALL WIRELESS ANTENNAS	
	CEILING	WIRELESS PENDANT	
	48"	PATIENT STATION (PB - PUSH BUTTON, M - MICROPHONE, K -KEYED)	
	CEILING	SSTV DOME CAMERA FIXED	
	CEILING	SSTV (90/180/270/360) PANORAMIC MULTISENSOR CAMERA	
	FLOOR	CHANNEL TR EQUIPMENT RACK	
	FLOOR	TR EQUIPMENT CABINET	
	6' TO TOP	MATV EQUIPMENT CABINET	
	FLOOR	SSTV CAMERA EQUIPMENT CABINET	
	ABOVE CEILING	LADDER CABLE TRAY (4" HIGH - SEE PLANS FOR OTHER DIMENSIONS)	
	18"	GROUND BUS	
	8"	4X8X3/4" FIRE RETARDED TTB	
	FLOOR	HIGH CAPACITY FLOOR BOX FOR DATA (2-4P) & POWER (4-RECEPTACLE)	
	48"	PATIENT ROAM ALERT ACCESS CONTROL KEYPAD	
	CEILING	PATIENT ROAM ALERT ANTENNA	
	CEILING	CEILING MOUNTED SPEAKERS	
	96"	WALL MOUNTED SPEAKERS	
	48"	VOLUME CONTROL	
	48"	PAGING CONSOLE	
	FLOOR	PAGING CABINET	
	6' TO TOP	AREA OF REFUGE PANEL	
	6' TO TOP	AREA OF REFUGE ANNUNCIATION PANEL	
	48"	AREA OF REFUGE INTERCOM	
	CEILING	AREA OF REFUGE STROBE LIGHT	
	48"	DURESS PANIC ALARM PUSH BUTTON	
	6' TO TOP	DURESS PANIC ALARM PANEL	
	CEILING	TELEMETRY ANTENNA - 2-4 PR	
	CEILING	ROBOT PHARMACY ANTENNA - 1-4 PR	
	CEILING	ANTENNA (REFERENCE SHEET KEY NOTES)	
	CEILING	RTLS VIRTUAL WALL (BATTERY POWERED INFRARED DEVICE)	
	CEILING	RTLS MONITOR (BATTERY POWERED INFRARED DEVICE)	
	CEILING	RTLS 900 MHz SECURITY CONTROLLER (POE)	

ALL HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.
SEE DRAWINGS FOR MORE INFORMATION.
NOTE: NOT ALL SYMBOLS ARE USED.

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

[illegible]

3 FIRE ALARM RISER TYPICAL
Scale: No Scale



- NOTES:
- PROVIDE SMOKE DETECTORS IN EACH ELEV. LOBBY FOR ELEV. RECALL.
 - ALL FIRE ALARM WIRING SHALL BE IN FACTORY PAINTED "RED" EMT CONDUIT.
 - ALL WIRING SHALL BE AS RECOMMENDED BY MANUFACTURER.
 - PROVIDE ELEVATOR RELAYS FOR EACH ELEVATOR. (RELAY SHALL BE WITHIN 3 FEET OF EACH ELEVATOR CONTROLLER)
 - PRIMARY RECALL.
 - ALTERNATE RECALL.
 - EMERGENCY SHUNT.
 - EMERGENCY SHUNT POWER SUPERVISION.
 - IN CAB NOTIFICATIONS/FIRE FIGHTER.
 - PROVIDE POWER AMPLIFIERS FOR ALL SPEAKERS.
 - THE NEW FIRE ALARM SYSTEM SHALL MATCH THE EXISTING EDWARDS EST 3 SERIES (VOICE) FIRE ALARM SYSTEM

FIRE ALARM ABBREVIATIONS LIST

ACC	ACCESSIBLE	N	NEW
ACLS	ABOVE CEILING	NAC	NETWORK APPLIANCE CIRCUIT
A/E	ARCHITECT/ENGINEER	PANEL	PANEL
AFF	ABOVE FINISHED FLOOR	NCA	NETWORK CONTROL ANNUNCIATOR
AHJ	AUTHORITY HAVING JURISDICTION	NS	NO SCALE
AHU	AIR HANDLING UNIT	NTS	NOT TO SCALE
AL	ALUMINUM	OC	ON CENTER
ALT	ALTERNATE	OD	OUTSIDE DIAMETER
AMP	AMPERE	OH	OVERHEAD
APPROX	APPROXIMATELY	PA	PUBLIC ADDRESS
ARCH	ARCHITECT, ARCHITECTURAL	PB	PULL BOX OR PUSHBUTTON
AUTO	AUTOMATIC	PIV	POST INDICATING VALVE
AUX	AUXILIARY	PVC	POLYVINYL CHLORIDE (CONDUIT)
AV	AUDIO VISUAL		
BOD	BASIS OF DESIGN	QTY	QUANTITY
C	CONDUIT	R	REMOVE AND REINSTALL IN NEW
CAB	CABINET	LOCATION	LOCATION
CD	CONSTRUCTION DOCUMENT	RCP	REFLECTED CEILING PLAN
CF	CONTRACTOR FURNISHED	REQD	REQUIRED
CKT	CIRCUIT	RGS	RIGID GALVANIZED STEEL
CLG	CEILING	RM	ROOM
CO	CONTRACTING OFFICER	SC	SURFACE CONDUIT
COR	CONTRACTING OFFICER'S REPRESENTATIVE	SF	SQUARE FEET/FOOT
dB	DECIBEL	SHT	SHEET
DEM	DEMOLITION	SI	INTERNATIONAL SYSTEM OF UNITS
DN	DOWN	SIM	SIMILAR
DVC	DIGITAL VOICE COMMAND	SPEC	SPECIFICATION
		SPKR	SPEAKER
		SR	SURFACE RACEWAY
		SS	STAINLESS STEEL
		STD	STANDARD
		SURF	SURFACE MOUNTED
		SYM	SYMMETRICAL
		SYS	SYSTEM
FA	FIRE ALARM	TC	TIMECLOCK
FACP	FIRE ALARM CONTROL PANEL	TEL	TELEPHONE
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TP	TWISTED PAIR
FAGAP	FIRE ALARM GRAPHIC ANNUNCIATOR PANEL	TPS	TWISTED PAIR SHIELDED
FO	FIBER OPTIC	TR	TAMPER RESISTANT
J-BOX	JUNCTION BOX	TYP	TYPICAL
MAX	MAXIMUM	UG	UNDERGROUND
MC	MECHANICAL CONTRACTOR	UL	UNDERWRITER'S LABORATORY
		UTP	UNSHIELDED TWISTED PAIR
MECH	MECHANICAL	VD	VOLTAGE DROP
MFR	MANUFACTURER	W	WATT
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MT	MOUNT		

FIRE ALARM SYMBOL LEGEND

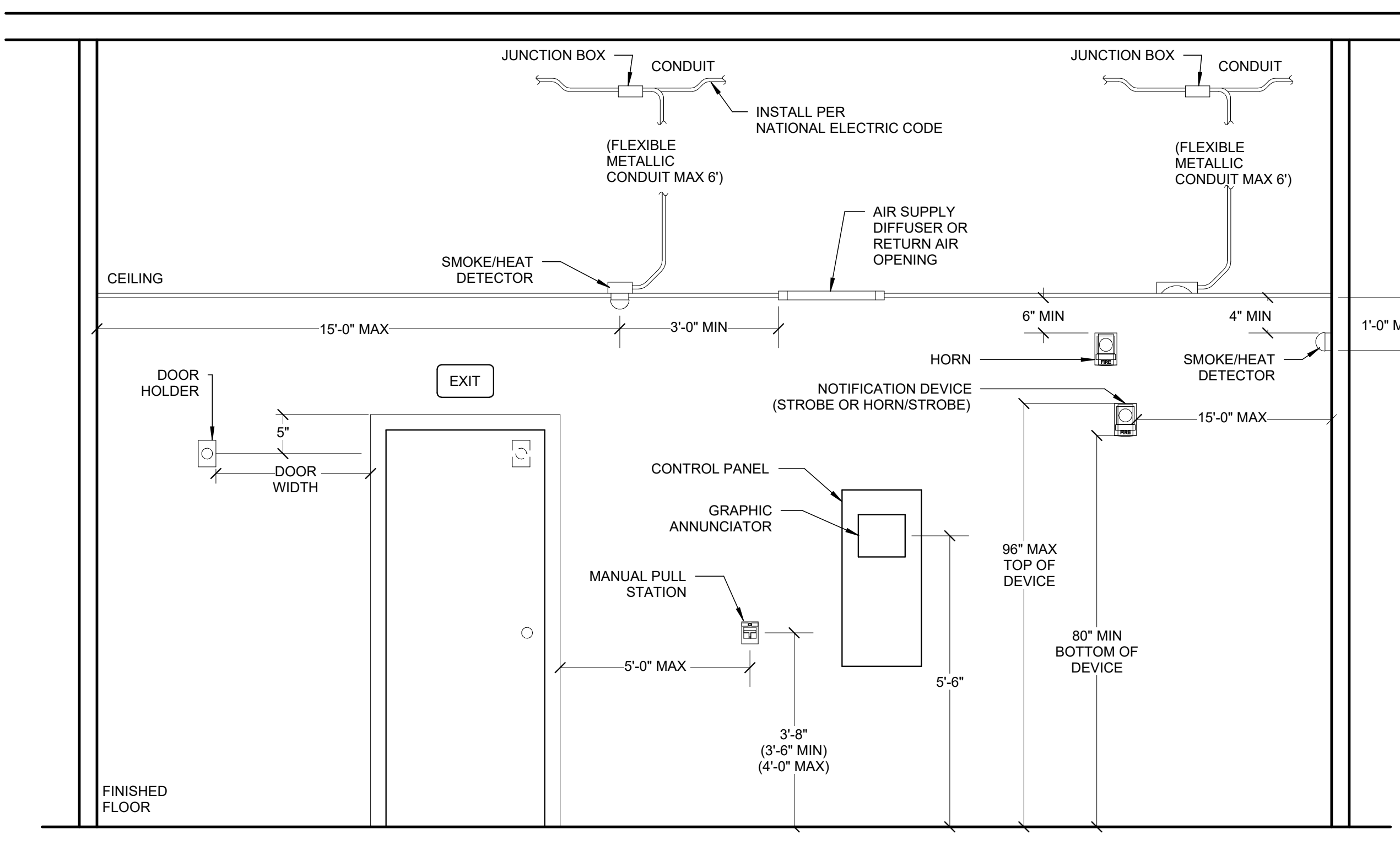
SYMBOL	HEIGHT	DESCRIPTION
	42"-48"	FIRE ALARM PULL STATION
	90"	FIRE ALARM SPEAKER
	90"	FIRE ALARM STROBE XX - cd
	90"	FIRE ALARM SPEAKER AND STROBE XX - cd XX - W
		FIRE ALARM DOOR OPEN HOLDER
		FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR
		FIRE ALARM HEAT DETECTOR
		FIRE ALARM CEILING MOUNTED SPEAKER
		FIRE ALARM DUCT SMOKE DETECTOR
	6'	FIRE ALARM CONTROL PANEL
	6'	FIRE ALARM NAC PANEL
	6'	FIRE ALARM ANNUNCIATOR PANEL
	6'	FIRE ALARM GRAPHIC ANNUNCIATOR PANEL
		FLOW SWITCH
		TAMPER SWITCH
		POST INDICATOR VALVE
	6'	REMOTE LIGHT/TEST SWITCH FOR DUCT DETECTORS
	90"	FIRE ALARM BELL
	60"	KNOX BOX
	60"	RELAYS

ALL HEIGHTS ARE TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.
TOP: HEIGHT TO TOP OF DEVICE
ANY HEIGHTS INDICATED IN PLANS SHALL SUPERSEDE THOSE LISTED HERE.

FIRE ALARM GENERAL NOTES

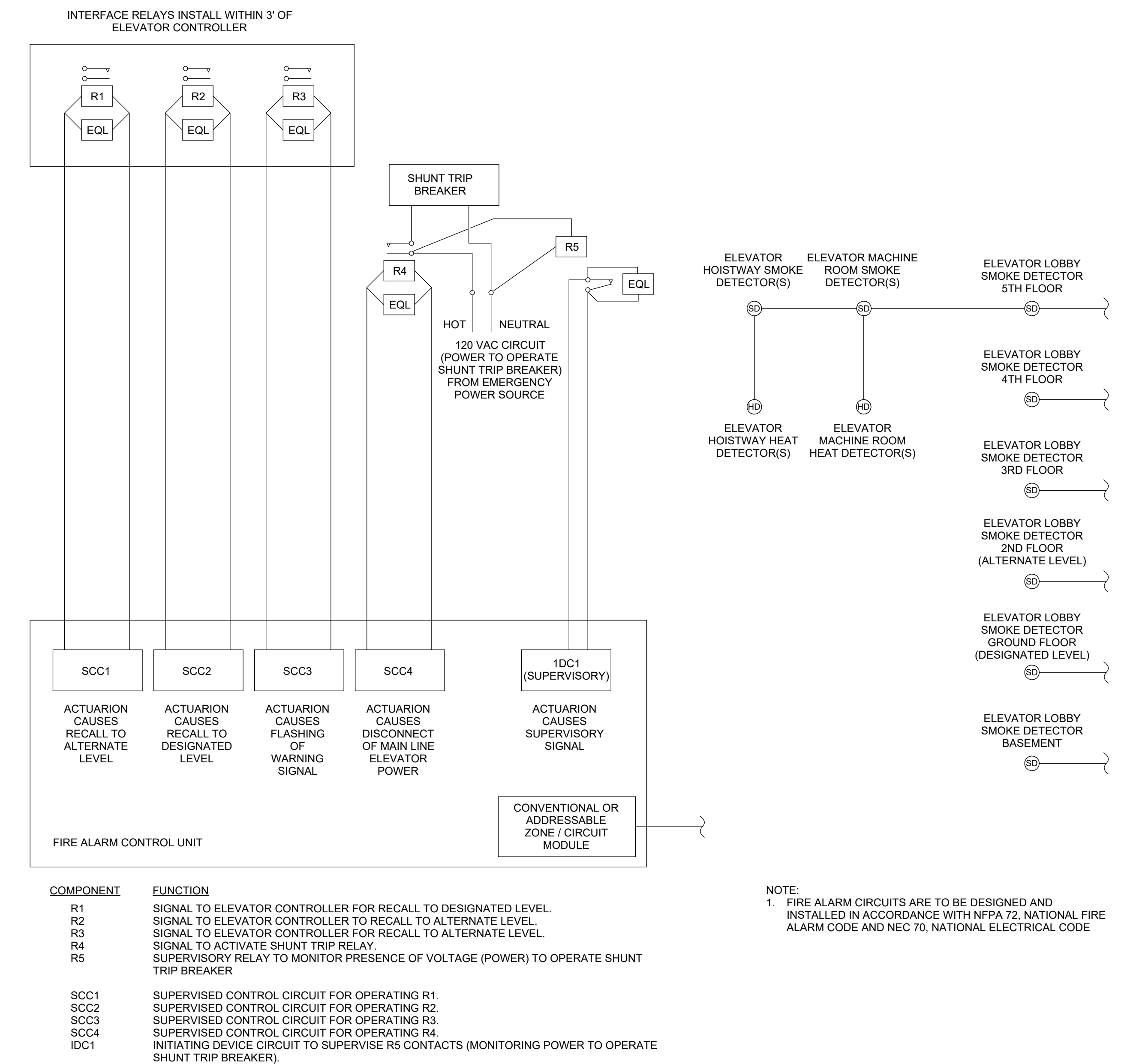
- PROVIDE FIRE ALARM SYSTEM AND COMPONENTS COMPLYING WITH THE LATEST:
 - NFPA 13- STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS.
 - NFPA 14- STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEM.
 - NFPA 20- STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION.
 - NFPA 70 NATIONAL ELECTRICAL CODE.
 - NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE.
 - NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS.
 - NFPA 101 LIFE SAFETY CODE.
 - VA FIRE PROTECTION DESIGN MANUAL.
 - ANSI S3.41 AUDIBLE EMERGENCY EVACUATION SIGNAL.
- FIRE ALARM SYSTEM SHALL COMPLY WITH FACTORY MUTUAL RESEARCH CORPORATION (FM).
- PROVIDE FIRE ALARM WIRING IN CONDUIT, FACTORY PAINTED RED.
- BEFORE STARTING WORK, TEST EXISTING FIRE ALARM SYSTEM IN WORK AREA AND ADJACENT AREAS.
- NOTIFY COR REGARDING DEFICIENCIES AND NON-OPERATING COMPONENTS. VA WILL MAKE REPAIRS.
- CONTRACTOR TO ENSURE THAT ALL NEW FIRE ALARM SPEAKERS, TONES, AND STROBES ARE IN-SYNC WITH ALL ADJACENT AREAS BEYOND THE AREA OF WORK. WHEN WORK IS COMPLETE, TEST EXISTING FIRE ALARM SYSTEM IN WORK AREA AND ADJACENT AREAS.
- MAKE REPAIRS TO RESOLVE INCORRECT SYSTEM OPERATIONS AT NO ADDITIONAL COST.
- THE FIRE ALARM SYSTEM VENDOR/CONTRACTOR SHALL TERMINATE, TEST AND PROGRAM ALL NEW FIRE ALARM DEVICES. COORDINATE WITH COR.
- CONNECT SPRINKLER SYSTEM SUPERVISORY DEVICES TO THE FIRE ALARM SYSTEM. COORDINATE LOCATION WITH THE SPRINKLER CONTRACTOR.
- CONNECT ALL ELECTROMAGNETIC DOOR HOLD OPEN DEVICES TO THE FIRE ALARM SYSTEM. COORDINATE WITH THE DOOR HARDWARE CONTRACTOR.
- PROVIDE RELAY CONTROL MODULES FOR PACS. COORDINATE WITH PHYSICAL ACCESS CONTROL SYSTEM (PACS), CONTRACTOR AND COR.
- PROVIDE RELAY CONTROL MODULES FOR COOKING POWER SUPPLY SHUT OFF.
- PROVIDE RELAY CONTROL MODULES FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM.
- THE OPERABLE PART OF A MANUAL ACTUATED ALARM INITIATING DEVICE SHALL BE NOT LESS THAN 42" (1.07M) AND NOT MORE THAN 48" (1.22M) FROM FINISH FLOOR.
- FOR LOCATION (CORRIDOR, ROOM OR ADJACENT SPACE) WITH TWO OR MORE VISIBLE FIRE ALARM NOTIFICATION APPLIANCES WITHIN THE FIELD OF VIEW, PROGRAM VISIBLE TO FLASH IN SYNCHRONIZATION.
- PROVIDE SUPERVISORY SIGNAL FROM CLEAN AGENT SYSTEM RELEASE PANEL.

2 FIRE ALARM DEVICE MOUNTING HEIGHTS
Scale: No Scale



- DETAIL NOTES:
- MOUNT ALL AUDIBLE & VISUAL DEVICES IN APPROVED BOXES.
 - ALL ABOVE CEILING DEVICES TO BE MOUNTED IN ACCESSIBLE LOCATION.

1 FIRE ALARM INTERFACE WITH ELEVATORS
Scale: No Scale

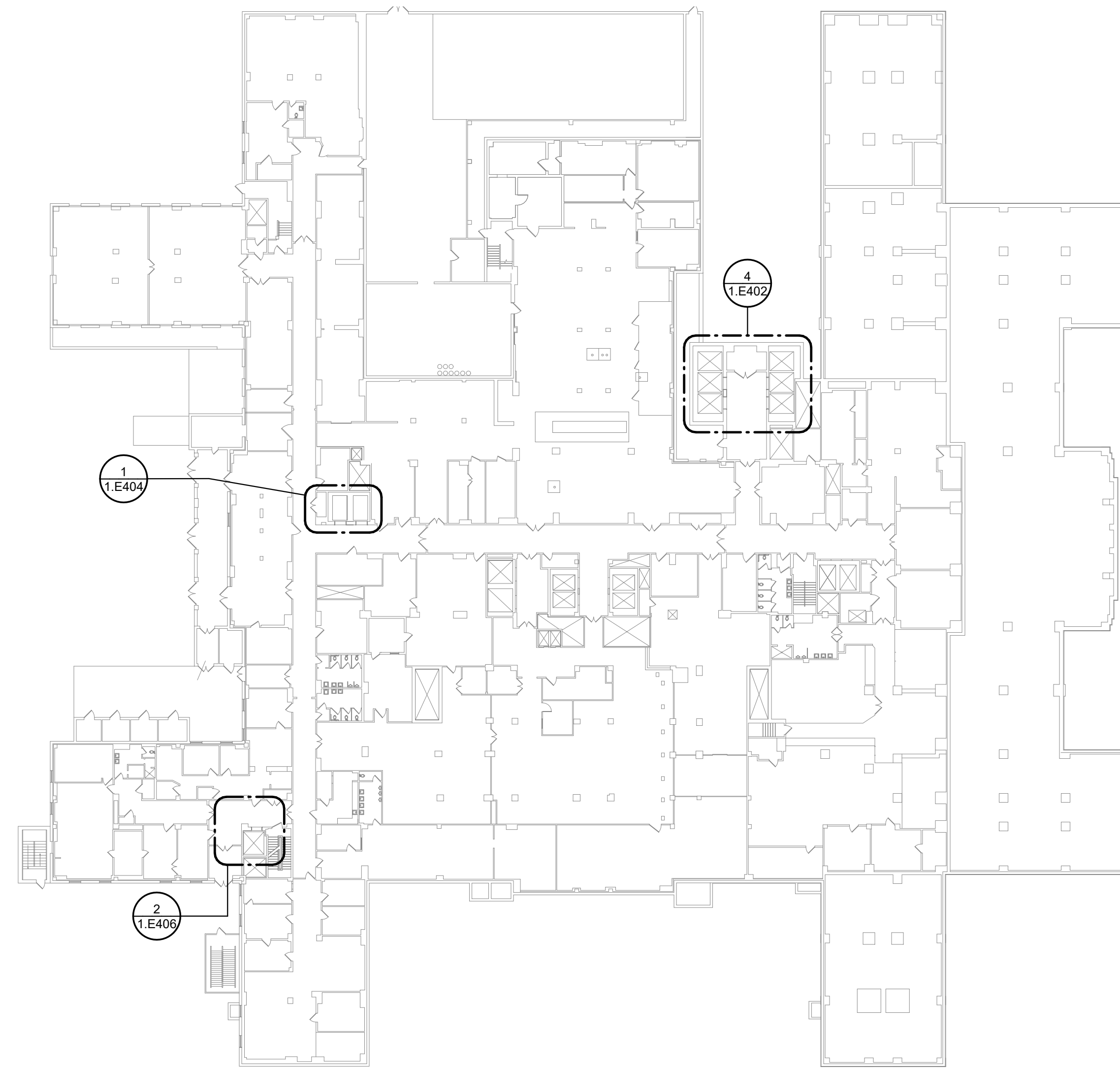


FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

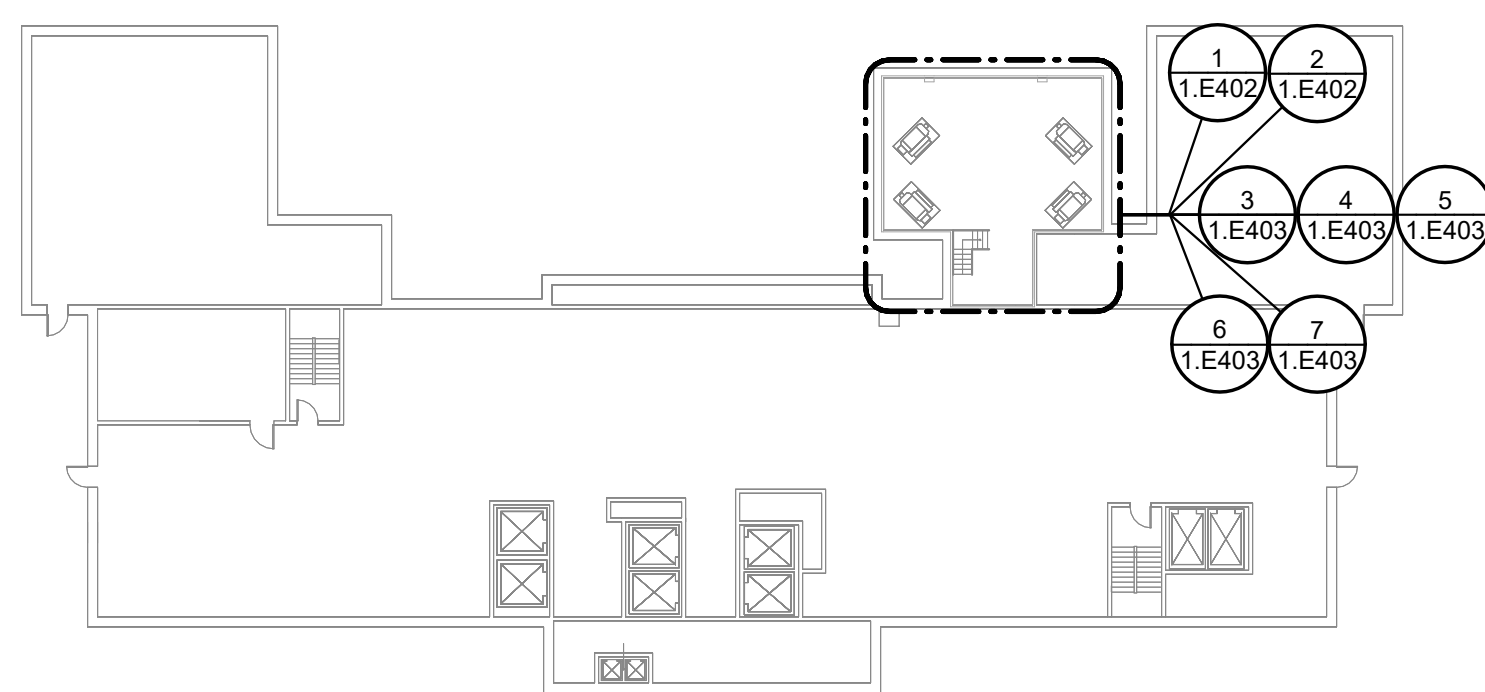
CONSULTANTS:			PROJECT MANAGER		ACG Project Number 22-105		Office of Construction and Facilities Management		Drawing Title FIRE ALARM GENERAL NOTES, SYMBOL LEGEND, AND RISER		Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301	
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511						Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number # N/A	
			Engineers Architects www.acg-pa.com 919-858-7420				U.S. Department of Veterans Affairs				Date MAY 14, 2025		Checked KTK	
											Drawn PDN		Drawing Number E-003	
													Dwg 3 of 18	



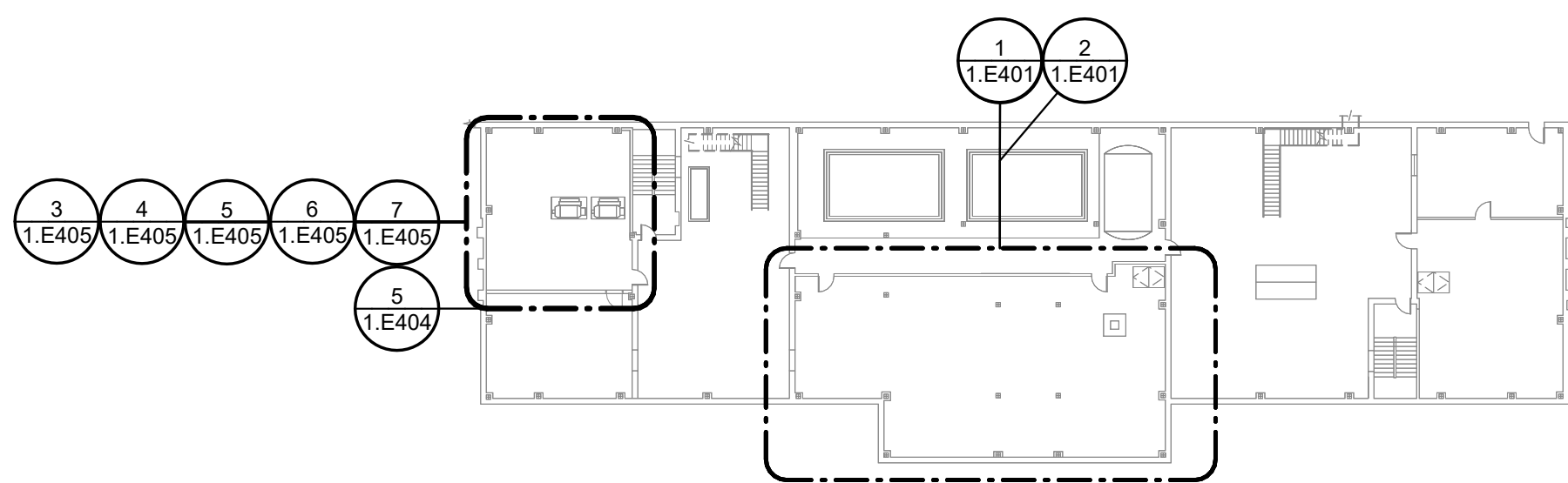
3 OVERALL ELECTRICAL FLOOR PLAN - BLDG 1 - LEVEL C
Scale: 1/32" = 1'-0"



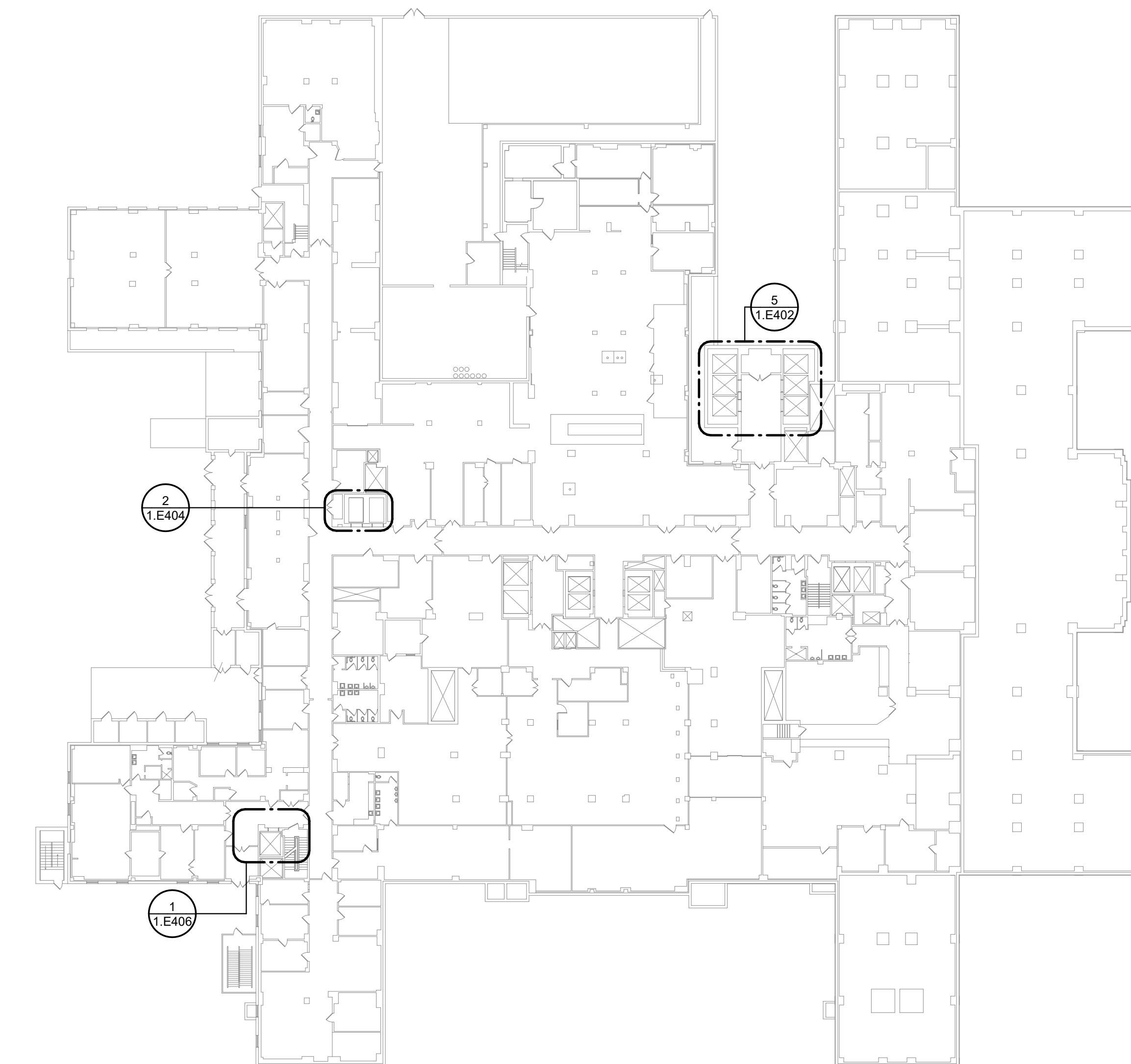
1 OVERALL ELECTRICAL FLOOR PLAN - BLDG 1 - LEVEL A
Scale: 1/32" = 1'-0"



4 OVERALL ELECTRICAL FLOOR PLAN - BLDG 1 - PENTHOUSE A
Scale: 1/32" = 1'-0"



5 OVERALL ELECTRICAL FLOOR PLAN - BLDG 1 - PENTHOUSE B
Scale: 1/32" = 1'-0"

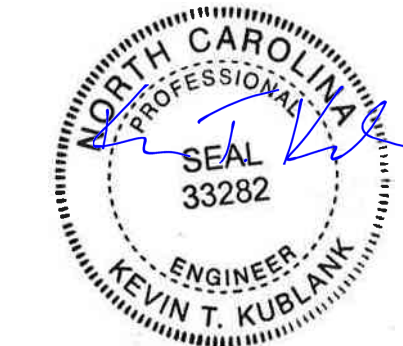


2 OVERALL ELECTRICAL FLOOR PLAN - BLDG 1 - LEVEL B
Scale: 1/32" = 1'-0"

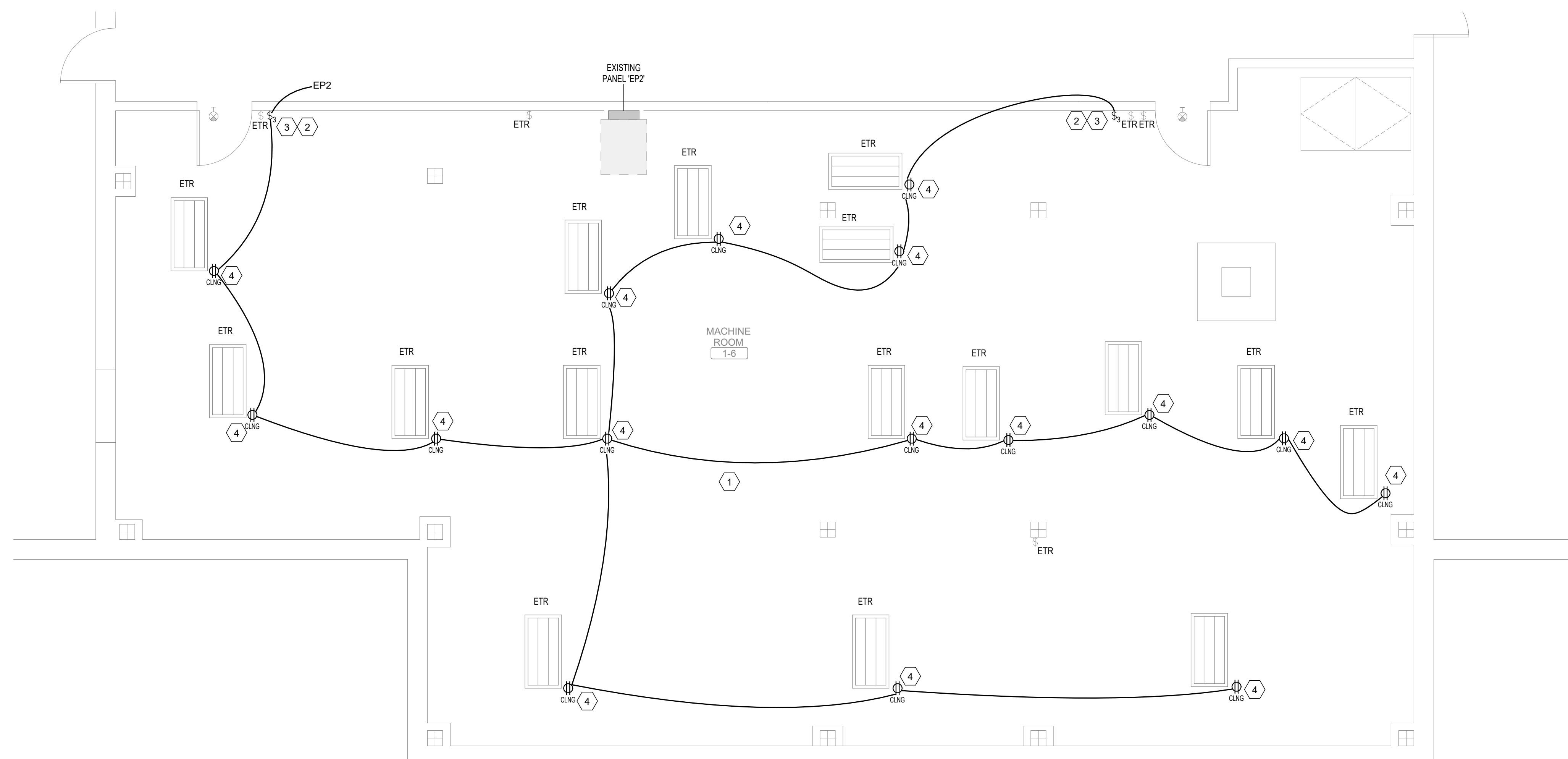
SHEET NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE AREA OF WORK. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.
- WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE REMAINING HOLES SHALL BE PATCHED / REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.
- ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOCK-OUT / TAG-OUT GUIDELINES TO DE-ENERGIZE EQUIPMENT.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH COR FOR DISPOSAL OF REMOVED ELECTRICAL EQUIPMENT.
- ALL DEVICES SHOWN WITH DASHED LINES ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
- ALL DEVICES SHOWN WITH THIN GRAY LINES ARE EXISTING TO REMAIN. PROVIDE ALL WIRING FROM THE VA LAN DEMARCATION TO THE MACHINE ROOM(S) FOR THE INSTALLATION OF A LAN INTERFACE FOR THE TWO-WAY VIDEO CAB EMERGENCY COMMUNICATION SYSTEM. PROVIDE SHIELDED PAIRS AS REQUIRED FROM THE CAR TWO-WAY VIDEO COMMUNICATION TO THE LAN. PROVIDE ANY EQUIPMENT REQUIRED TO CONNECT THE TWO-WAY CAMERA TO THE LAN IN THE MACHINE ROOM(S).
- PROVIDE FIRE ALARM INITIATING DEVICES IN EACH ELEVATOR LOBBY, HOISTWAY, AND MACHINE ROOM TO INITIATE FIREFIGHTER'S RETURN FEATURE. PROVIDE ALARM INITIATING SIGNAL WIRING FROM HOISTWAY OR MACHINE ROOM TO PROVIDE SIGNAL FOR GENERAL ALARM AND DISCRETE SIGNAL FOR PHASE II FIREFIGHTER'S OPERATION.

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			CONSULTANTS:		 REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER BICSID ID # 371721 EXPIRES 12-31-25 5/19/2025		 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 33282 KEVIN T. KUBLANK 5/19/2025		PROJECT MANAGER Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420 © COPYRIGHT Apogee Consulting Group, P.A.			Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs		Drawing Title BLDG 1 - OVERALL ELECTRICAL FLOOR PLANS		Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301							
#	Revisions:	Date										Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved Date MAY 14, 2025		Checked KTK		Drawn PDN		Building Number # 1		Drawing Number 1.E101		Dwg 4 of 18	

1 BUILDING 1 - MACHINE ROOM 1-6 LIGHTING EXISTING PLAN
Scale: 1/4" = 1'-0"



2 BUILDING 1 - MACHINE ROOM 1-6 LIGHTING PLAN
Scale: 1/4" = 1'-0"

SHEET NOTES:

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE MACHINE ROOM. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.
- B. WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE RATING MUST BE MAINTAINED BY REPAIR OR REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.
- C. ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOCK-OUT / TAG-OUT PROCEDURES TO DE-ENERGIZE EQUIPMENT.
- D. ELECTRICAL CONTRACTOR TO COORDINATE WITH COR FOR DISPOSAL OF REMOVED ELECTRICAL EQUIPMENT.
- E. ALL DEVICES SHOWN WITH DASHED LINES ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
- F. ALL DEVICES SHOWN WITH THIN GRAY LINES ARE EXISTING TO REMAIN. PROVIDE ALL WIRING FROM THE VAL ALAN DEMARCATION TO THE MACHINE ROOM(S) FOR THE INSTALLATION OF A LAN INTERFACE FOR THE TWO-WAY CAMERA TO THE EMERGENCY COMMUNICATION SYSTEM. PROVIDE SHIELDED PAIRS AS REQUIRED FROM THE CAR WIRE VIDEO CAMERA TO THE LAN. THE LAN PROVIDE ANY EQUIPMENT REQUIRED TO CONNECT THE TWO-WAY CAMERA TO THE LAN IN THE MACHINE ROOM(S).
- G. PROVIDE FIRE ALARM INITIATION AND DEVICES IN EACH FLOOR LONGHALL, HOSTIWAY, AND MACHINE ROOM TO INITIATE FIREALARM'S RETURN FEATURE. PROVIDE FIREALARM INITIATING SIGNAL WIRING FROM HOSTIWAY OR MACHINE ROOM TO PROVIDE SIGNAL FOR GENERAL ALARM AND DISCRETE SIGNAL FOR PHASE I IF FIREFIGHTER'S

 KEY NOTES:

- 1 RETAIN EXIT LIGHT AND LIFE SAFETY CIRCUITING

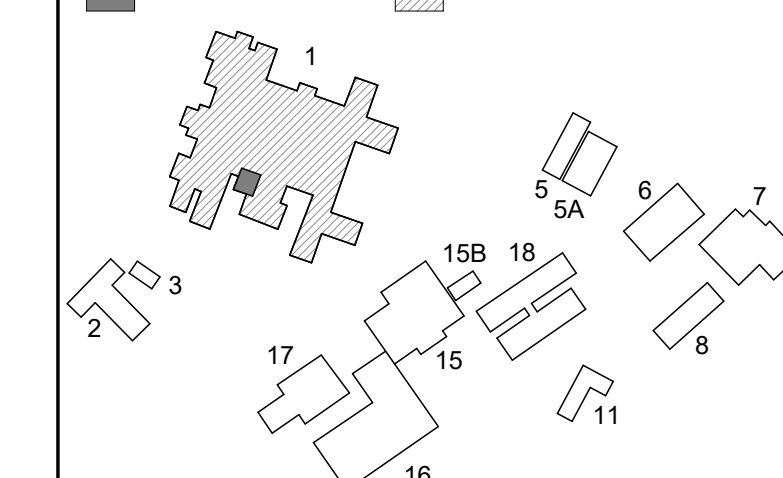
 KEY NOTES:

- 1 EXISTING PLUG-IN LIGHT FIXTURES TO BE RE-CIRCUITED TO A SINGLE CIRCUIT.
- 2 PROVIDE SURFACE MOUNTED 3-WAY SWITCH FOR LIGHTING CONTROL.
- 3 PROVIDE NEW LIGHTING CIRCUIT FROM PANEL EP-2.
- 4 PROVIDE NEW CEILING MOUNTED RECEPTACLE RACEWAY AND CIRCUIT FOR EXISTING PLUG-IN LIGHT FIXTURE. TIE TO NEW 3-WAY SWITCHES.

KEY PLAN

SCALE: NO SCALE

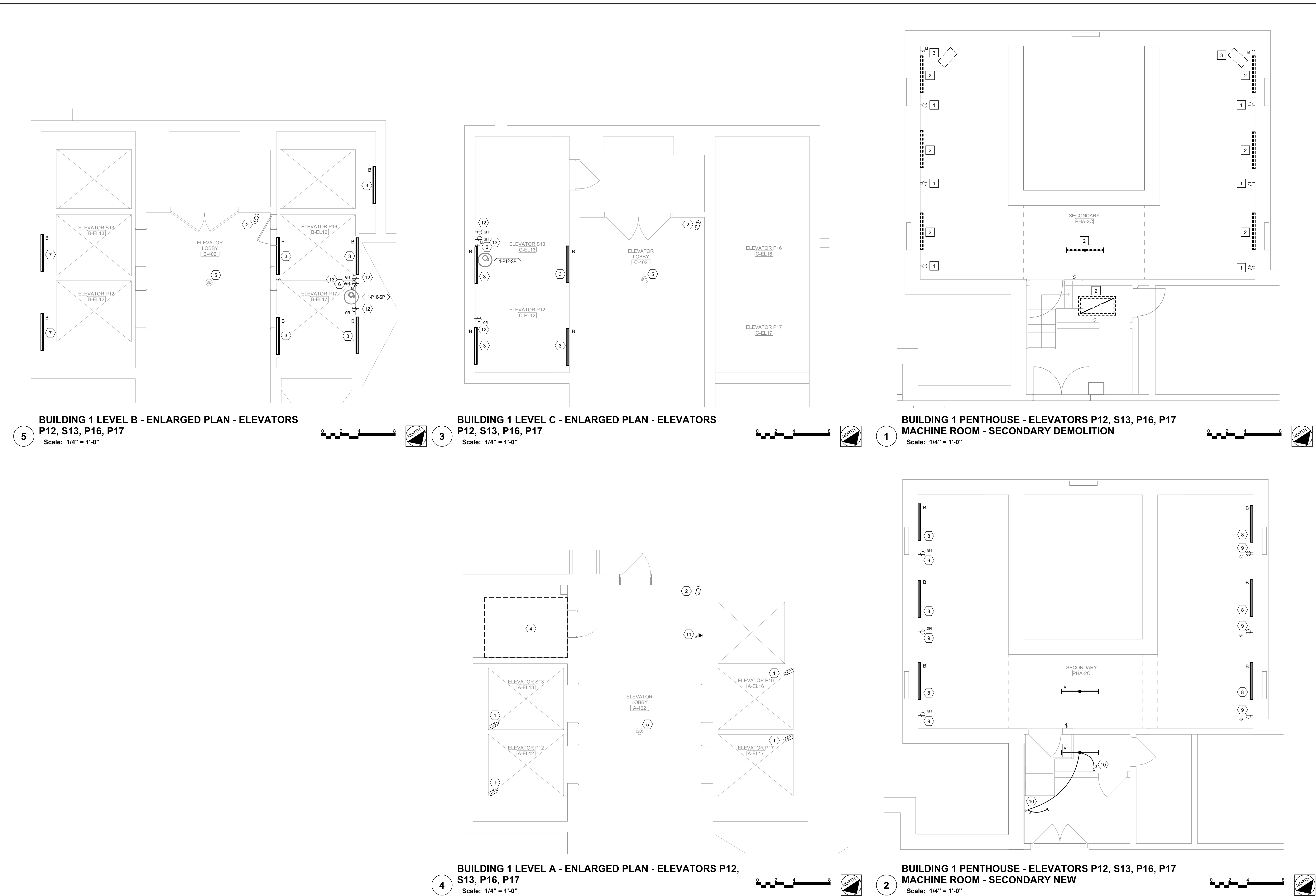
■ AREA OF WORK ▨ BUILDING



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[illegible]



SHEET NOTES:

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KEY NOTES:

- 1 REMOVE AND REPLACE RECEPTACLES WITH NEW GFI RECEPTACLES. REUSE EXISTING CIRCUIT.
- 2 REMOVE EXISTING LIGHT FIXTURES. RETAIN AND REUSE EXISTING LIGHTING CIRCUITS FOR NEW FIXTURES.
- 3 EXISTING HEATER TO BE DEMOLISHED. EXISTING CONDUCTORS AND CONDUIT TO BE DEMOLISHED BACK TO POWER SOURCE.

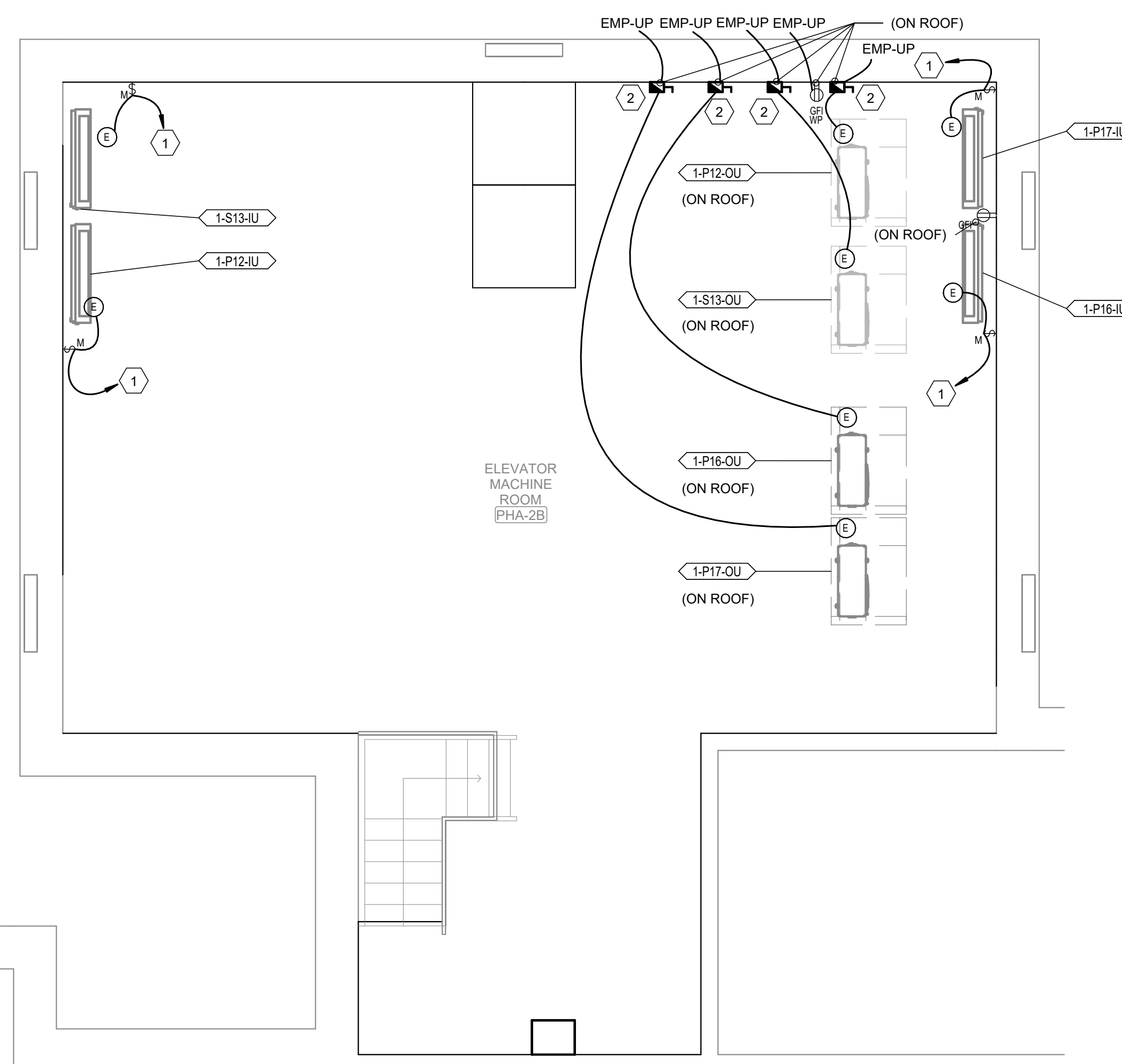
KEY NOTES:

- 1 PROVIDE NEW DOME CAMERA (3.1 MEGAPIXEL) IN ELEVATOR CAB AND CONNECT TO THE EXISTING SSTV SYSTEM USING 4 PR CAT 6 CABLE.
- 2 PROVIDE NEW DOME CAMERA (3.1 MEGAPIXEL) AND CONNECT TO THE EXISTING SSTV SYSTEM. COORDINATE WITH COR (RUN 4 PR CAT 6 CABLE TO IT RM 13-400).
- 3 PROVIDE NEW LED WET RATED LIGHT FIXTURES IN THE PIT. COORDINATE LOCATION SO FIXTURE DOES NOT INTERFERE WITH THE OPERATION OF THE ELEVATOR NOR HINDER ACCESS TO THE PIT.
- 4 APPROXIMATE LOCATION OF ROOM 13-400 LOCATED ON THE THIRTEENTH FLOOR.
- 5 EXISTING FIRE ALARM DEVICE TO REMAIN.
- 6 PROVIDE 20A, 120V GFI RECEPTACLE FOR SUMP PUMP. CIRCUIT TO EXISTING PANEL FEEDING THE PIT RECEPTACLES.
- 7 PROVIDE NEW CIRCUIT AND SWITCH FOR NEW LED LIGHT FIXTURE FOR THE ELEVATOR SHAFT. COORDINATE LOCATION SO FIXTURE DOES NOT INTERFERE WITH THE OPERATION OF THE ELEVATOR.
- 8 PROVIDE NEW LIGHT FIXTURE REUSING EXISTING CIRCUIT.
- 9 REPLACE EXISTING CONVENIENCE OUTLET WITH GFI TYPE. REUSE EXISTING CIRCUIT.
- 10 PROVIDE NEW 3 WAY LIGHT SWITCH FOR STAIRS LIGHTING.
- 11 CONTRACTOR TO INSTALL WALL PHONES ON EACH LOBBY FLOOR FOR CALLING THE ELEVATOR.
- 12 REPLACE EXISTING CONVENIENCE OUTLET IN EACH ELEVATOR PIT WITH GFI TYPE. REUSE EXISTING CIRCUIT.
- 13 PROVIDE WATER SENSOR IN SUMP PIT ALONG WITH LOCAL AUDIBLE ALARM. REFERENCE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

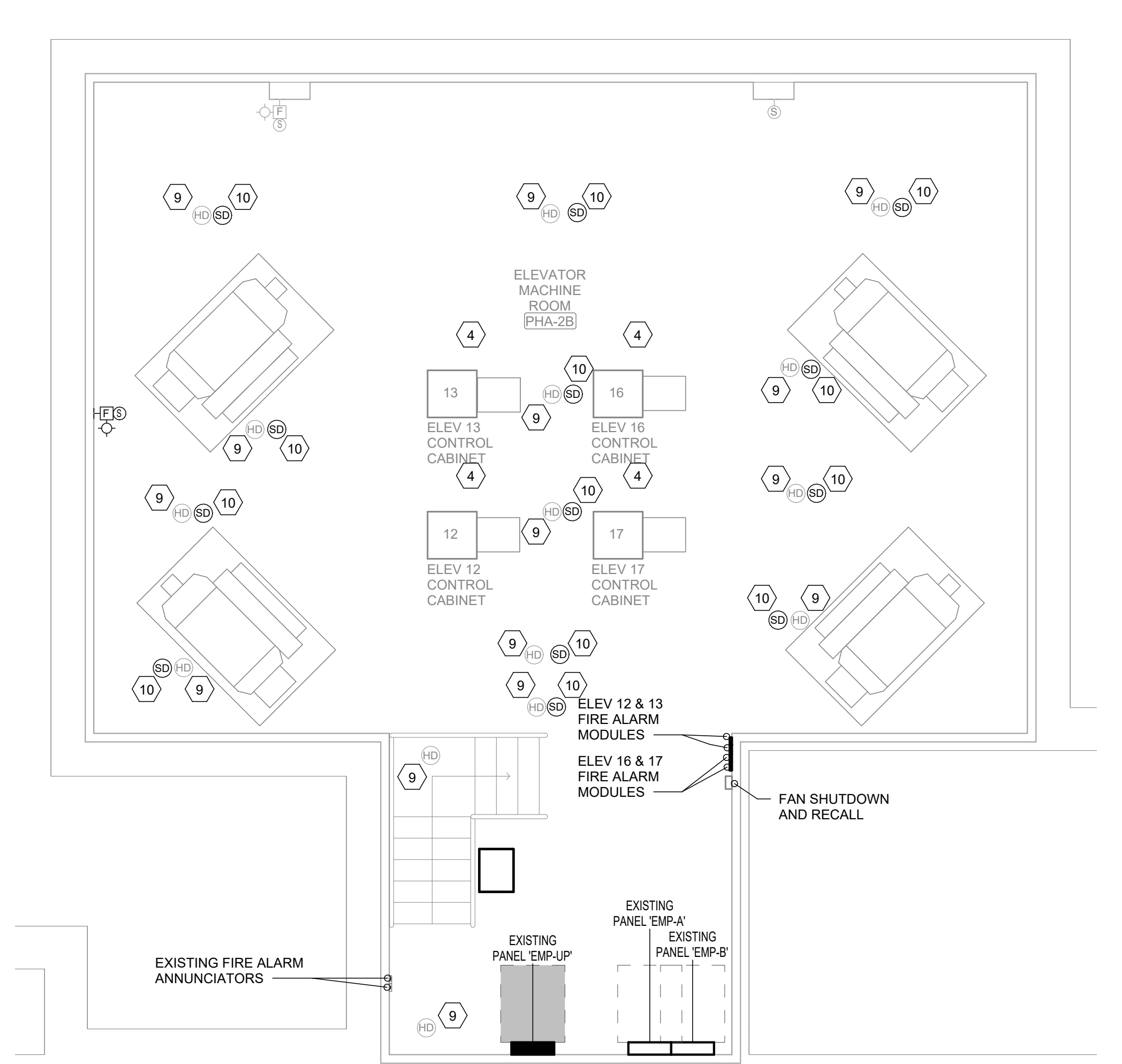
KEY PLAN
SCALE: NO SCALE
AREA OF WORK BUILDING

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

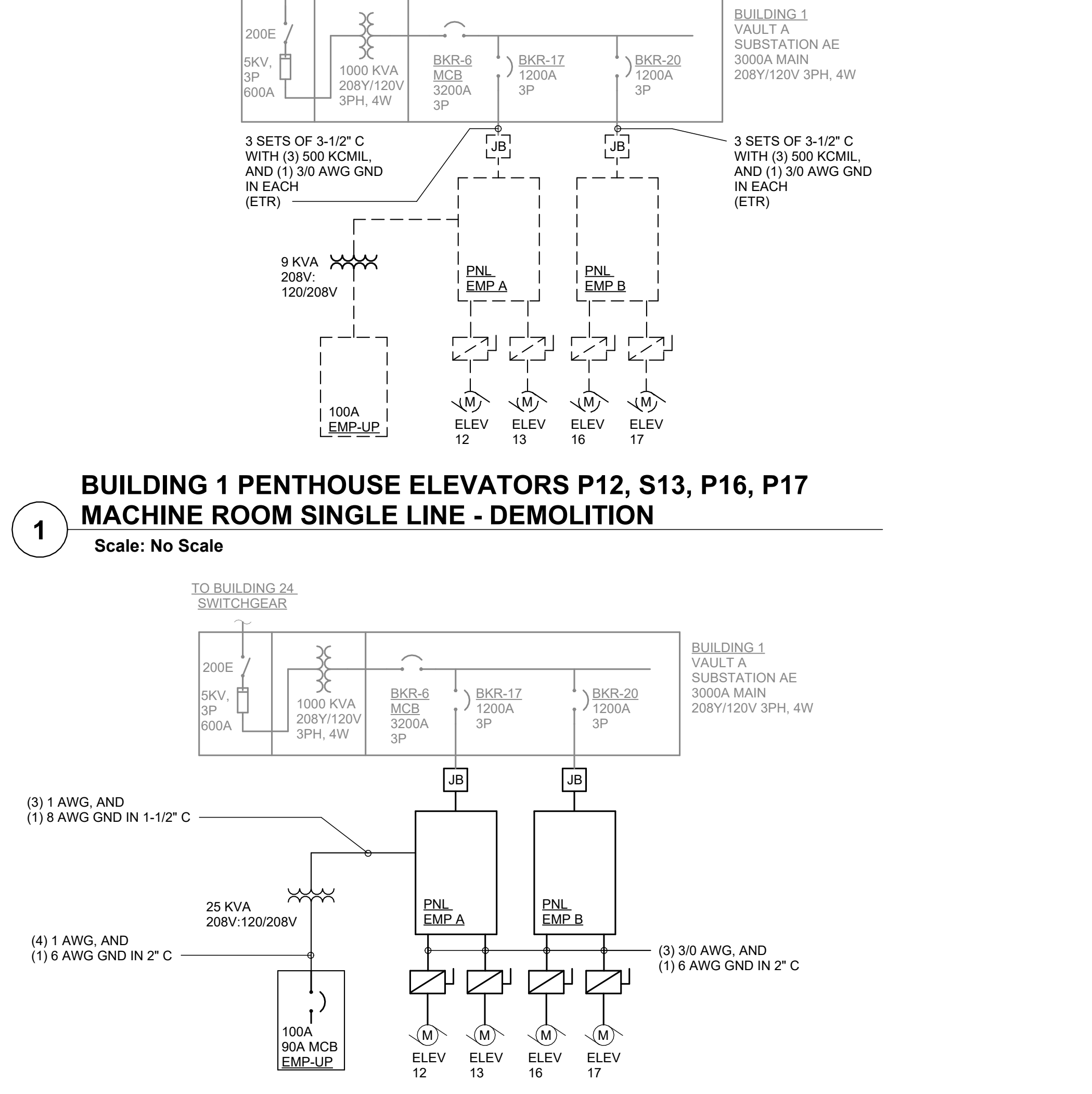
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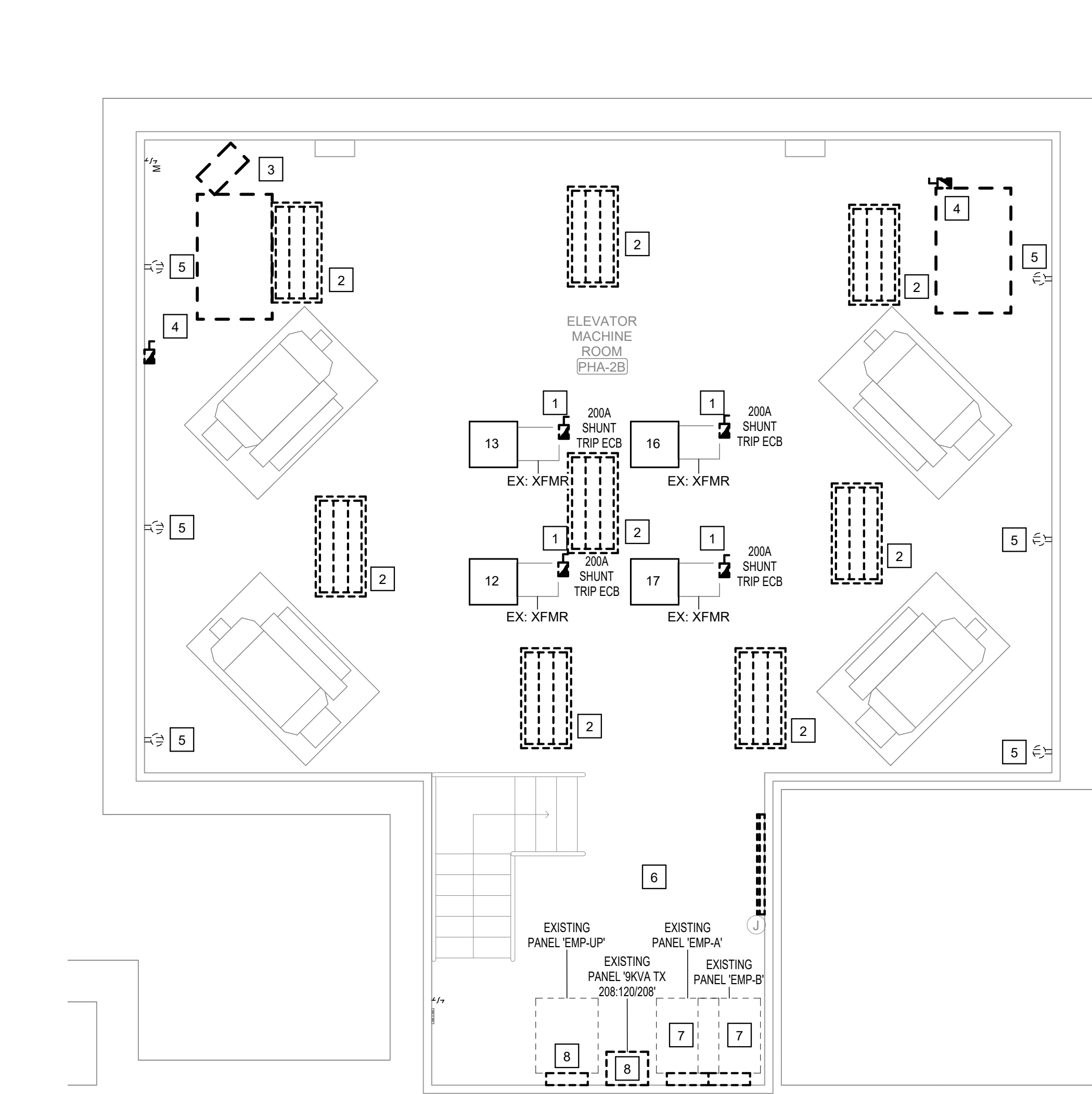
BUILDING 1 PENTHOUSE - ELEVATORS P12, S13, P16, P17 MACHINE ROOM - ENLARGED MECHANICAL PLAN
Scale: 1/4" = 1'-0"



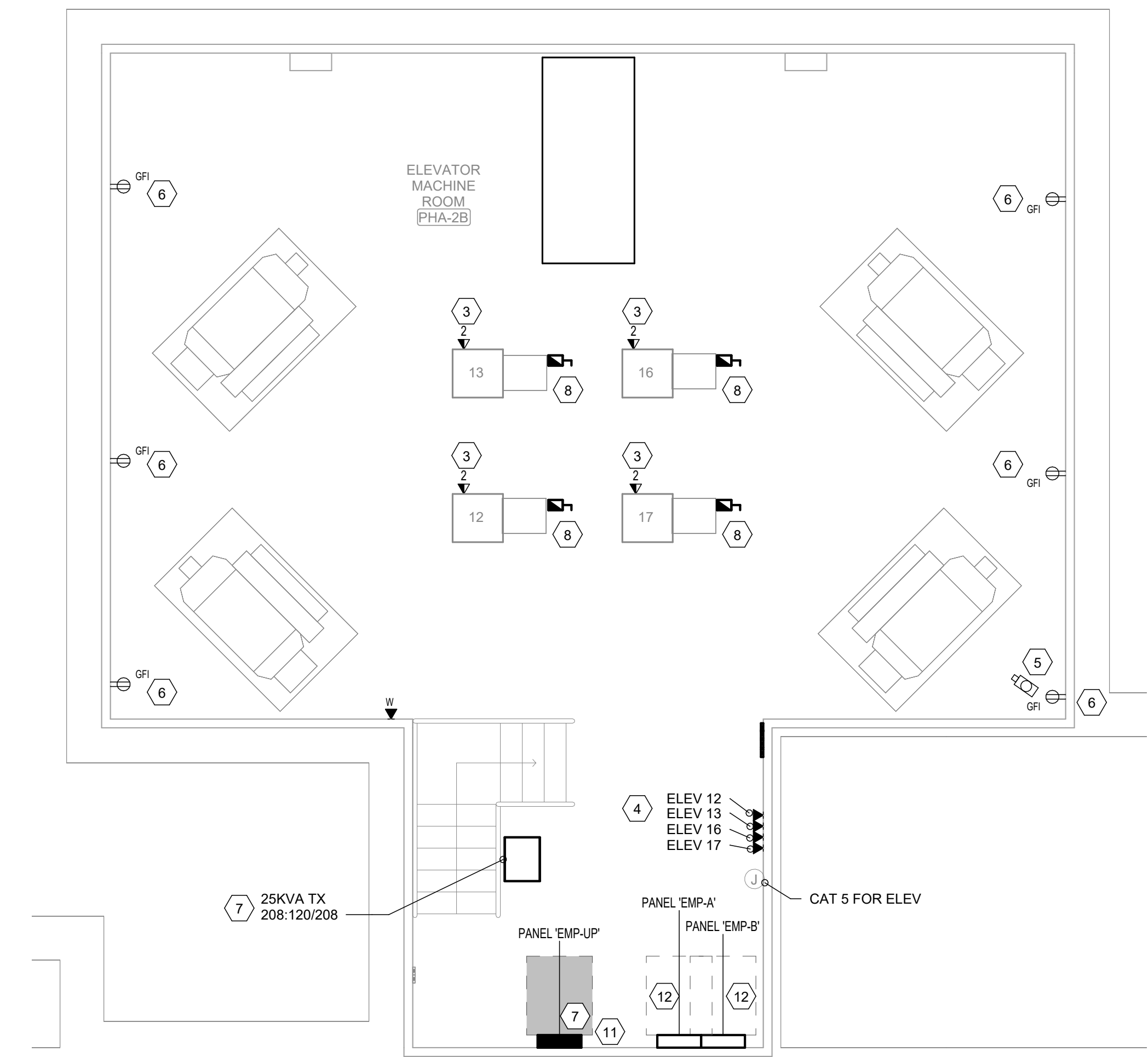
BUILDING 1 PENTHOUSE - ELEVATORS P12, S13, P16, P17 MACHINE ROOM - ENLARGED FIRE ALARM PLAN
Scale: 1/4" = 1'-0"



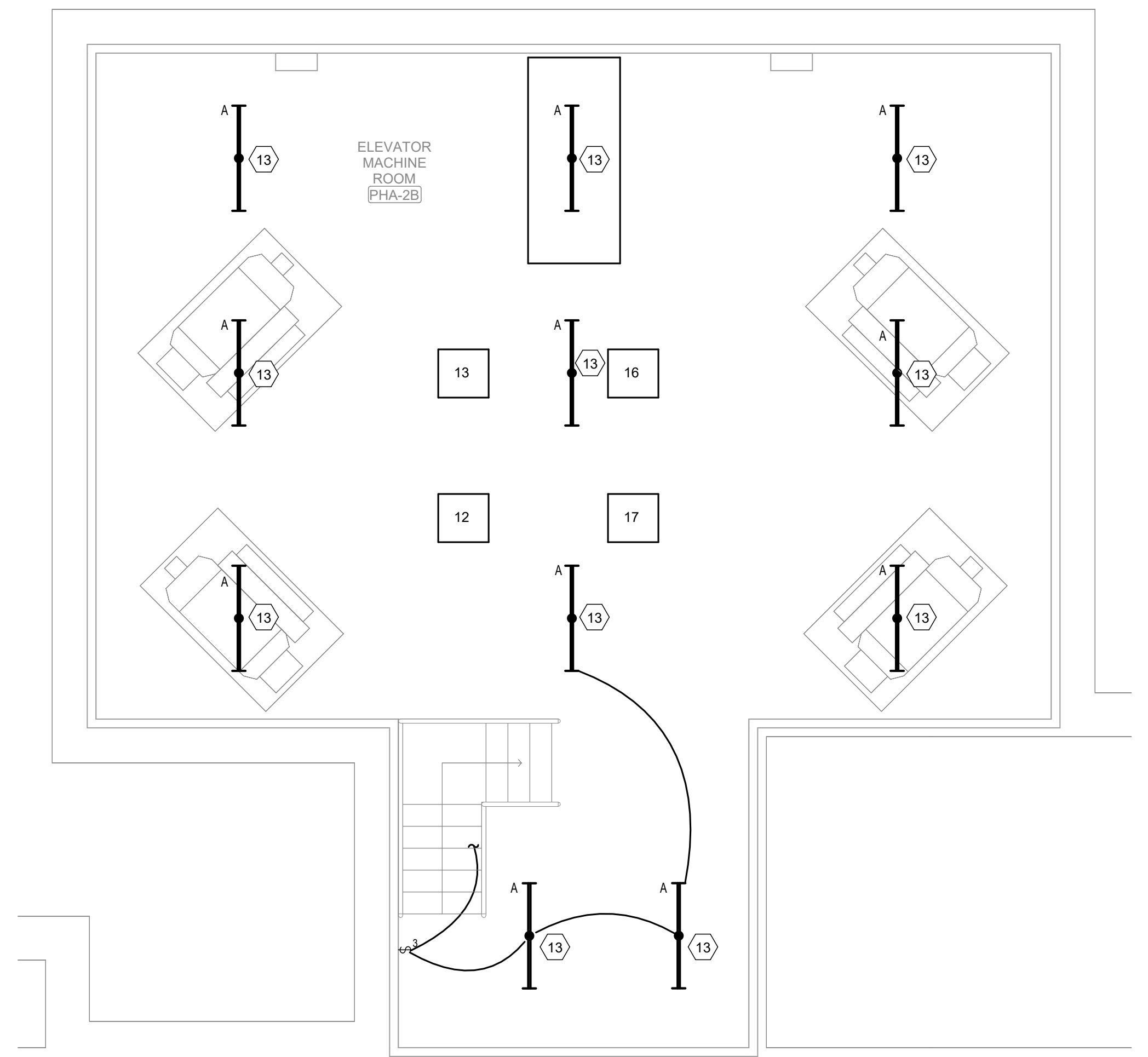
BUILDING 1 PENTHOUSE ELEVATORS P12, S13, P16, P17 MACHINE ROOM SINGLE LINE - DEMOLITION
Scale: No Scale



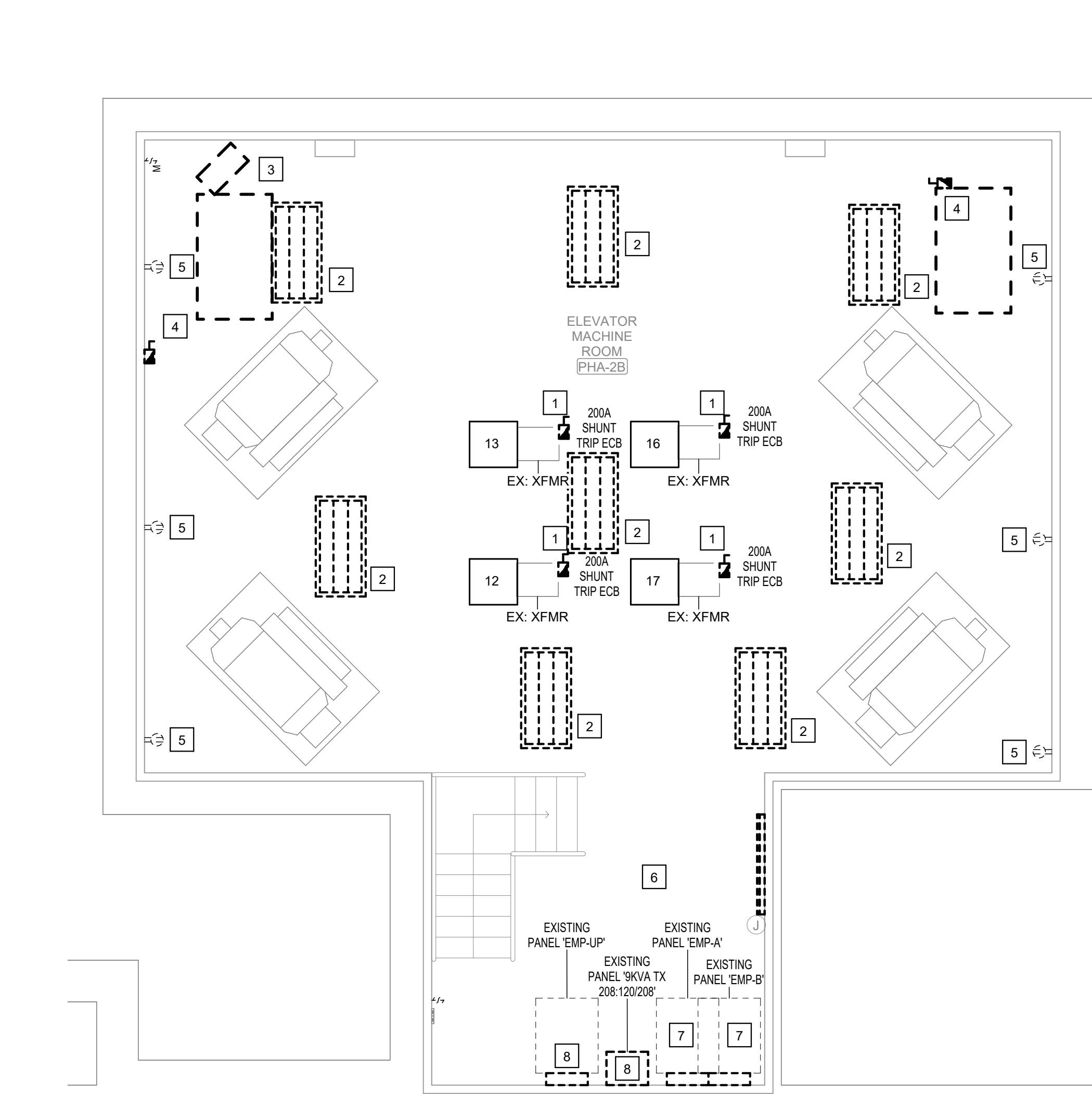
BUILDING 1 ELEVATOR SINGLE LINE - NEW
Scale: No Scale



BUILDING 1 PENTHOUSE - ELEVATORS P12, S13, P16, P17 MACHINE ROOM - ENLARGED POWER PLAN
Scale: 1/4" = 1'-0"



BUILDING 1 PENTHOUSE - ELEVATORS P12, S13, P16, P17 MACHINE ROOM - ENLARGED LIGHTING PLAN
Scale: 1/4" = 1'-0"



BUILDING 1 PENTHOUSE - ELEVATORS P12, S13, P16, P17 MACHINE ROOM - ENLARGED DEMOLITION PLAN
Scale: 1/4" = 1'-0"

SHEET NOTES:

A. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE AREA OF WORK. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.

B. WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE REMAINING HOLE SHALL BE PATCHED / REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.

C. ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOCK-OUT / TAG-OUT GUIDELINES TO DE-ENERGIZE EQUIPMENT.

D. ELECTRICAL CONTRACTOR TO COORDINATE WITH COR FOR DISPOSAL OF REMOVED ELECTRICAL EQUIPMENT.

E. ALL DEVICES SHOWN WITH DASHED LINES ARE TO BE REMOVED UNLESS NOTED OTHERWISE.

F. ALL DEVICES SHOWN WITH THIN GRAY LINES ARE EXISTING TO REMAIN. PROVIDE ALL WIRING FROM THE VA LAN DEMARCATON TO THE MACHINE ROOM(S) FOR THE INSTALLATION OF A LAN INTERFACE FOR THE TWO-WAY VIDEO CAB EMERGENCY COMMUNICATION SYSTEM. PROVIDE SHIELDED PAIRS AS REQUIRED FROM THE CAR TWO-WAY VIDEO COMMUNICATION TO THE LAN. PROVIDE ANY EQUIPMENT REQUIRED TO CONNECT THE TWO-WAY CAMERA TO THE LAN IN THE MACHINE ROOM(S).

G. PROVIDE FIRE ALARM INITIATING DEVICES IN EACH ELEVATOR LOBBY, HOISTWAY, AND MACHINE ROOM TO INITIATE FIREFIGHTER'S RETURN FEATURE. PROVIDE ALARM INITIATING SIGNAL WIRING FROM HOISTWAY OR MACHINE ROOM TO PROVIDE SIGNAL FOR GENERAL ALARM AND DISCRETE SIGNAL FOR PHASE II FIREFIGHTER'S OPERATION.

KEY NOTES:

1 REMOVE EXISTING ELEVATOR 200A SHUNT-TRIP ENCLOSED CIRCUIT BREAKER DISCONNECTS AND WIRING BACK TO SOURCE.

2 REMOVE EXISTING LIGHT FIXTURES. RETAIN AND REUSE EXISTING LIGHTING CIRCUITS FOR NEW FIXTURES. PROVIDE RACEWAY AND WIRING FROM SWITCH LOCATION.

3 EXISTING HEATER TO BE DEMOLISHED. EXISTING CONDUCTORS AND CONDUIT TO BE DEMOLISHED BACK TO POWER SOURCE.

4 EXISTING AIR HANDLER UNITS AND DISCONNECTS TO BE DEMOLISHED. EXISTING CIRCUITS AND CONDUIT TO BE DEMOLISHED BACK TO PANEL.

5 REMOVE AND REPLACE RECEPTACLES WITH NEW GFI RECEPTACLES. REUSE EXISTING CIRCUIT.

6 OVERHEAD DUCT WORK TO BE REMOVED BY MECHANICAL CONTRACTOR.

7 REMOVE EXISTING 1200A SWITCHBOARD AND REPLACE WITH NEW USING EXISTING CIRCUIT. ONLY ONE SWITCHBOARD TO BE DE-ENERGIZED AT A TIME.

8 REMOVE EXISTING TRANSFORMER AND PANEL BOARD AND REPLACE WITH NEW.

KEY NOTES:

1 POWER TO BE PROVIDED BY ASSOCIATED AIR CONDITIONER CONDENSING UNIT.

2 CONTRACTOR TO PROVIDE 30A NEMA3R DISCONNECT FED BY (2) 10 AWG, (1) 10 AWG EGC IN 3/4" CONDUIT.

3 RUN (2) CAT 6A CABLES FROM NEW ELEVATOR CONTROLS CABINET TO COMMUNICATION CLOSET 13-400.

4 PROVIDE NEW ELEVATOR RECALL FIRE ALARM CONTROL MODULES FOR ELEVATORS 12, 13, 16 & 17 AND CONNECT TO NEW ELEVATOR CONTROL PANEL FOR EACH ELEVATOR AND FIRE ALARM. REUSE EXISTING CONDUIT AFTER TESTING. COORDINATE WITH THE EXISTING SYSTEM MANUFACTURER.

5 PROVIDE NEW DOME CAMERA (3.1 MEGAPIXEL) AND CONNECT TO THE EXISTING SSTV SYSTEM. COORDINATE WITH COR (RUN 4 PR CAT 6 CABLE TO IT RM 13-400).

6 PROVIDE NEW GFI RECEPTACLES USING EXISTING CIRCUITS.

7 PROVIDE NEW TRANSFORMER AND PANEL BOARD. SEE DETAIL 21-E403 FOR ADDITIONAL INFORMATION.

8 PROVIDE NEW 200A SHUNT TRIP ENCLOSED CIRCUIT BREAKER FOR ELEVATOR DISCONNECT.

9 EXISTING FIRE ALARM DEVICE TO REMAIN.

10 PROVIDE NEW SMOKE DETECTOR MOUNTED IN CEILING. CONNECT BACK TO EXISTING FIRE ALARM SYSTEM.

11 PROVIDE PERMANENT MEANS TO LOCK ELEVATOR LIGHTING CIRCUIT IN THE OPEN POSITION.

12 PROVIDE NEW 1200A SWITCHBOARD. REUSE EXISTING CIRCUIT. 1200A SWITCHBOARDS ARE TO BE REPLACED ONE AT A TIME.

13 PROVIDE NEW LIGHT FIXTURE REUSING EXISTING CIRCUIT.

KEY PLAN

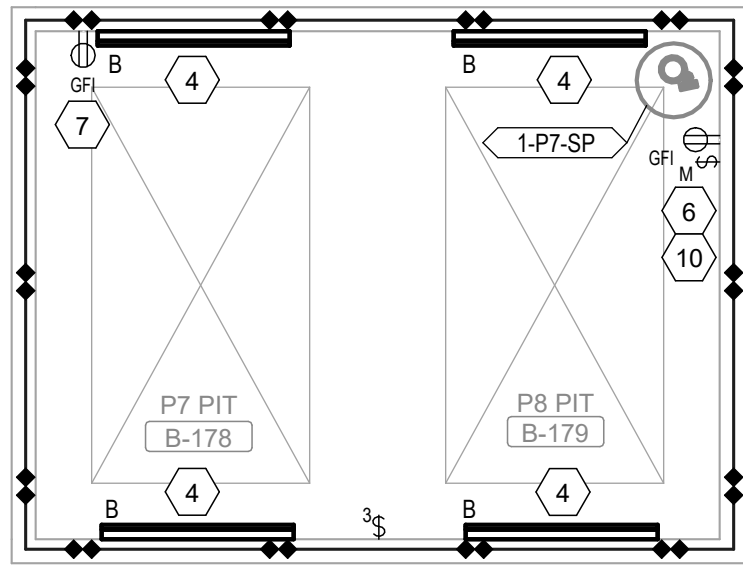
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■ AREA OF WORK ■ BUILDING

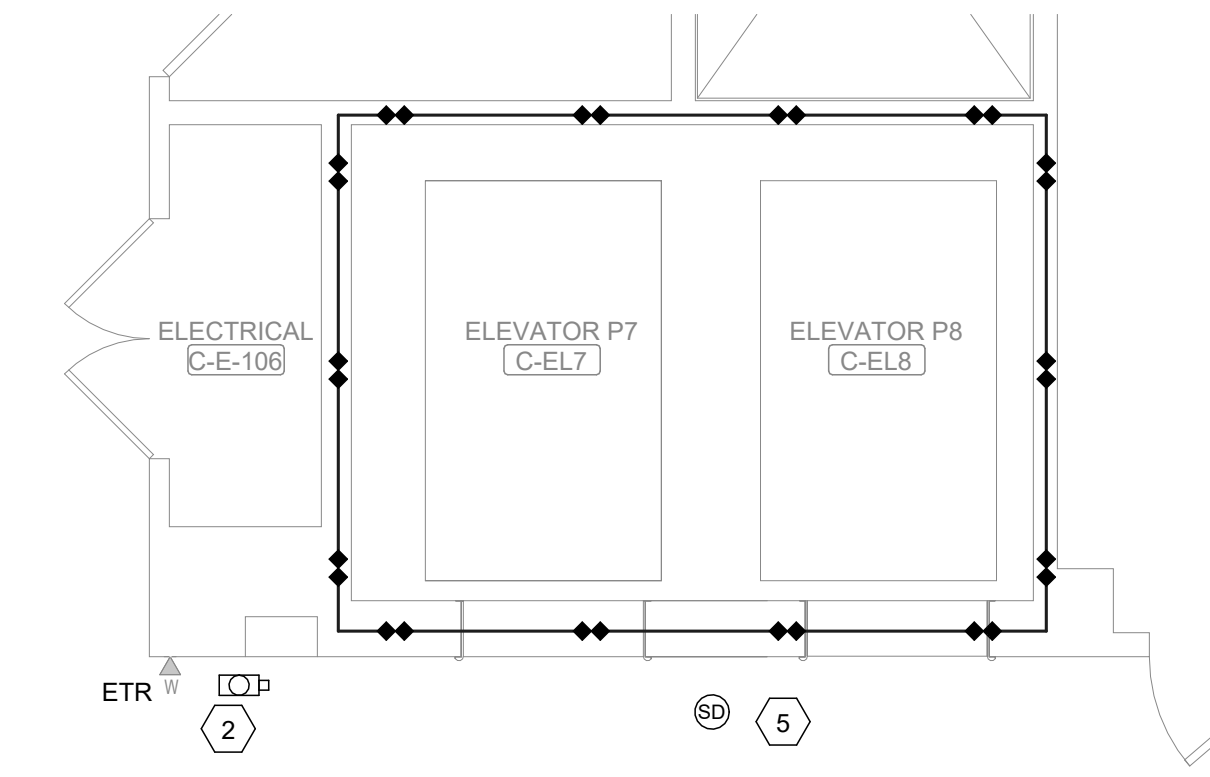
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100% CONSTRUCTION DOCUMENTS

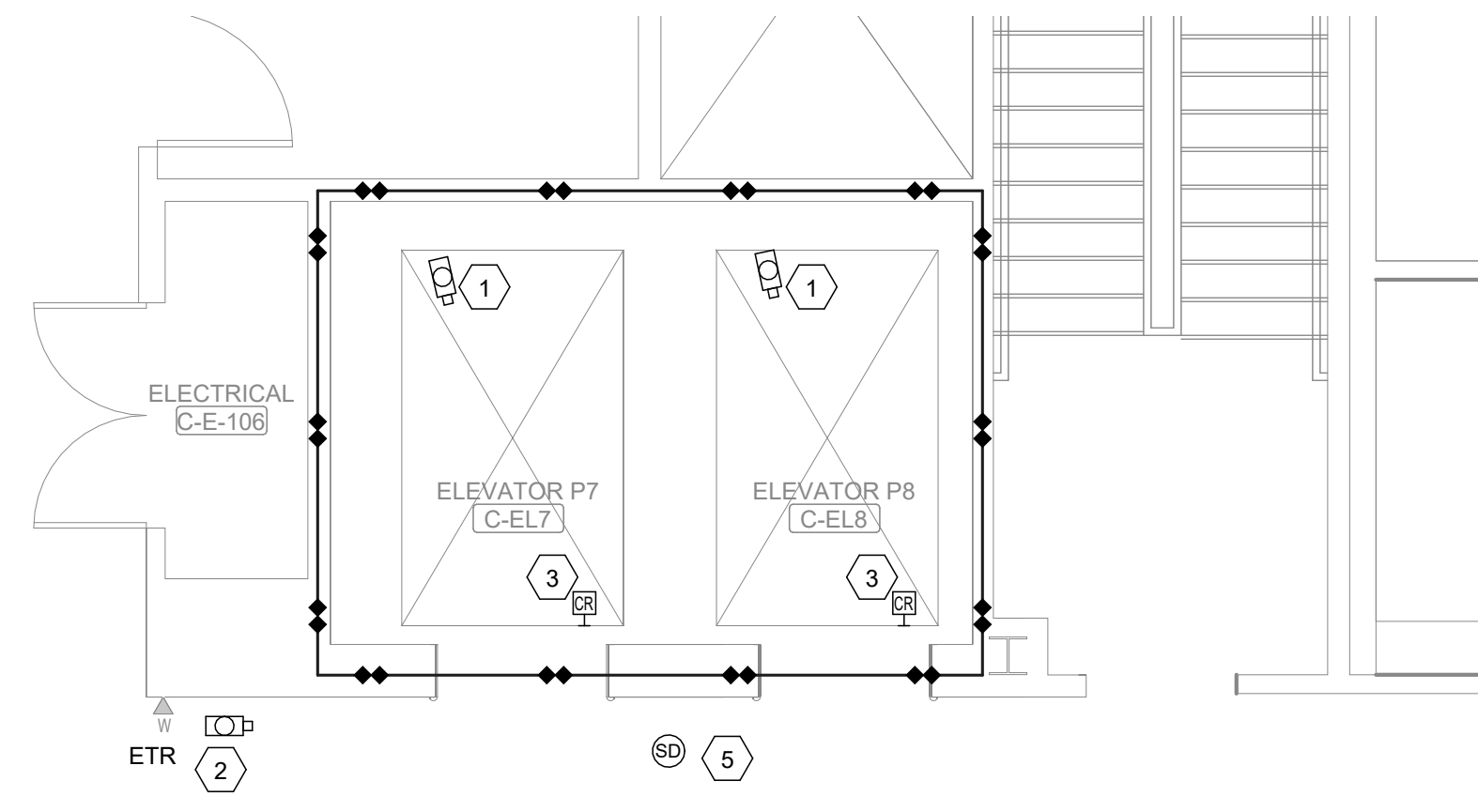
CONSULTANTS:	PROJECT MANAGER ACG Project Number 22-105 APOGEE Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511 www.acg-pa.com 919-858-7420	Office of Construction and Facilities Management U.S. Department of Veterans Affairs	Drawing Title BLDG 1 - PENTHOUSE - ENLARGED PLANS & SINGLE LINE - ELEV P12, S13, P16, & P17 MACHINE ROOM Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018	Project Title UPGRADE ELEVATORS PH2 Approved Date MAY 14, 2025 Checked KTK Drawn PDN	VA PROJECT NUMBER 561-21-301 Building Number # 1 Drawing Number 1.E403 Dwg 7 of 18
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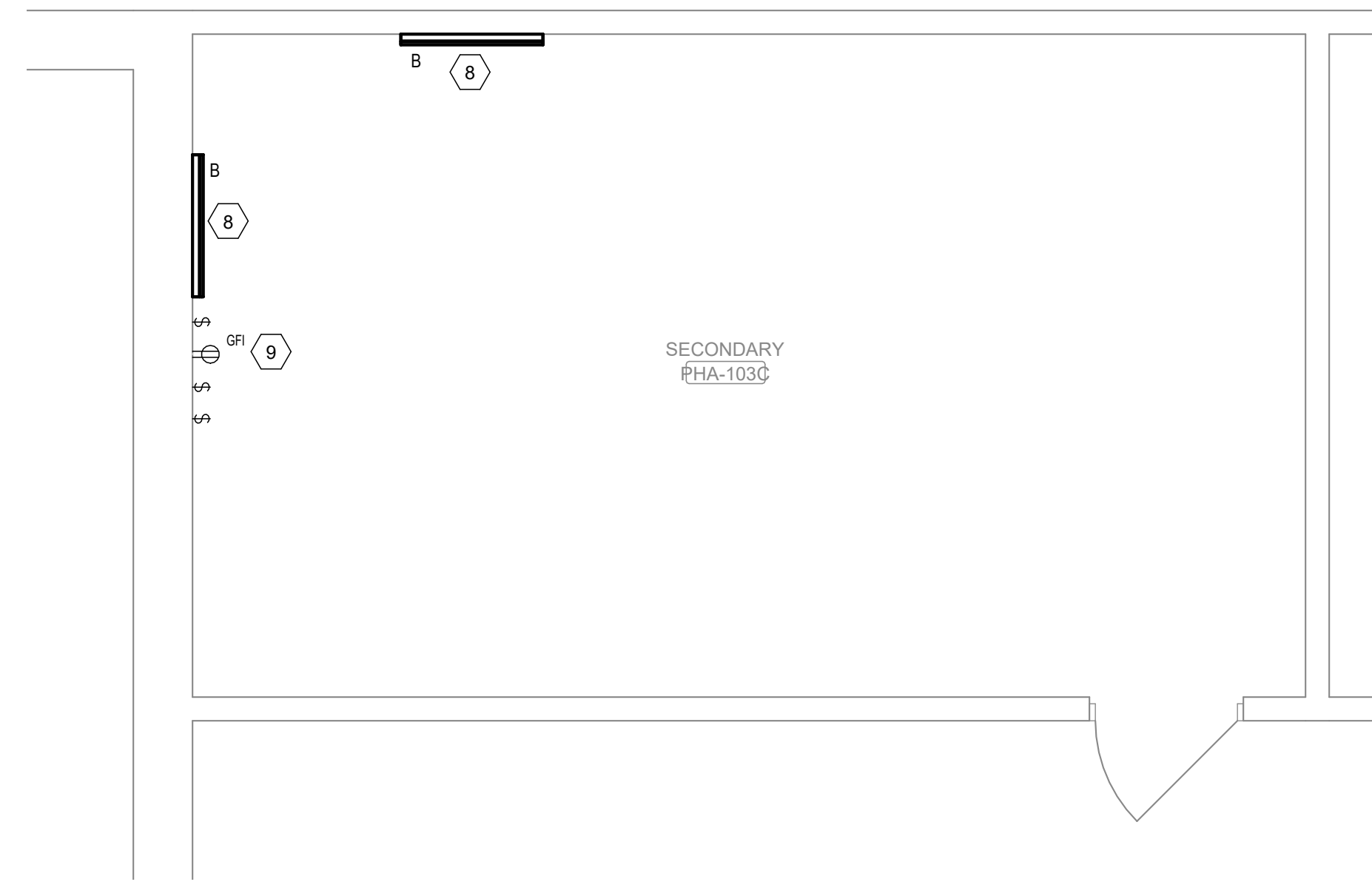
4 BUILDING 1, PIT - ELEVATORS P7 & P8 - ENLARGED PLAN
Scale: 1/4" = 1'-0"



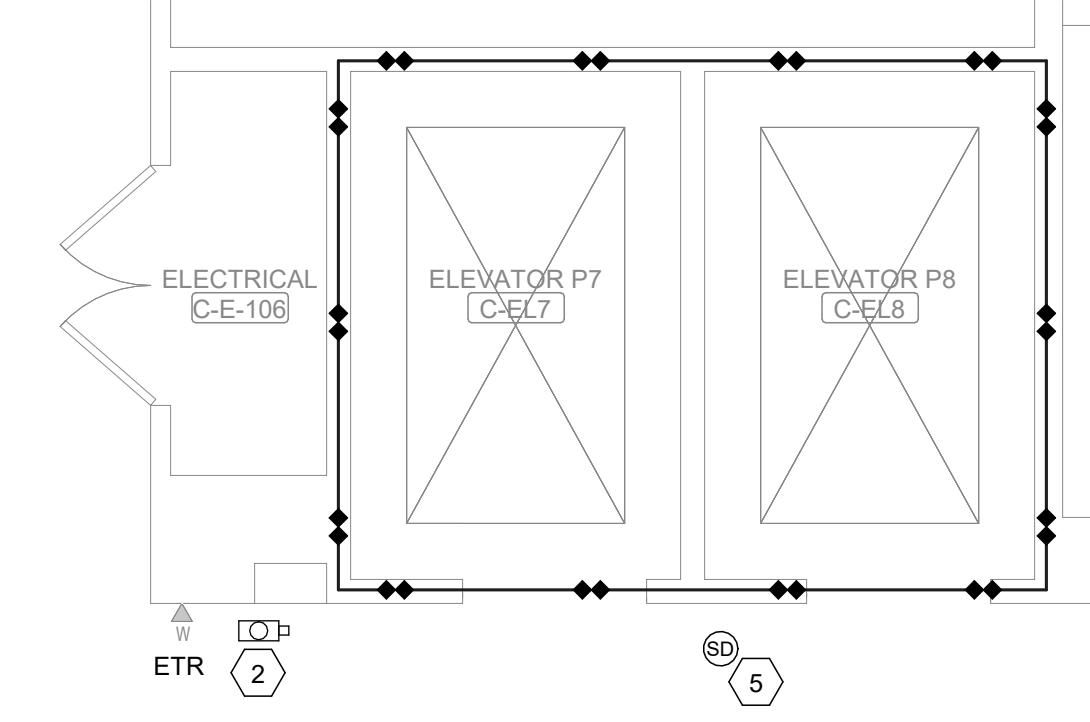
1 BUILDING 1, LEVEL A - ELEVATORS P7 & P8 - ENLARGED PLAN
Scale: 1/4" = 1'-0"



2 BUILDING 1, LEVEL B - ELEVATORS P7 & P8 - ENLARGED PLAN
Scale: 1/4" = 1'-0"



5 BUILDING 1 PENTHOUSE - ELEVATORS P7 & P8 MACHINE ROOM - ENLARGED SECONDARY
Scale: 1/4" = 1'-0"



3 BUILDING 1, LEVEL C - ELEVATORS P7 & P8 - ENLARGED PLAN
Scale: 1/4" = 1'-0"

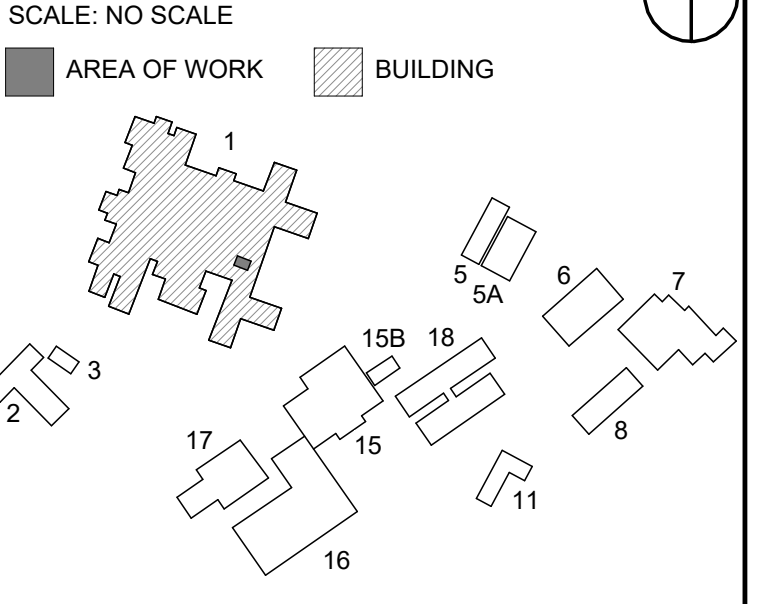
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KEY NOTES:

- PROVIDE NEW DOME CAMERA (3.1 MEGA PIXEL) IN ELEVATOR CAB AND CONNECT TO THE EXISTING SSTV SYSTEM USING 4 PR CAT 6 CABLE.
- PROVIDE NEW DOME CAMERA (3.1 MEGA PIXEL) AND CONNECT TO THE EXISTING SSTV SYSTEM. COORDINATE WITH COR (RUN 4 PR CAT 6 CABLE TO IT RM 13-400).
- PROVIDE NEW CARD READER IN ELEVATOR CAB AND CONNECT TO EXISTING PACS SYSTEM.
- REUSE EXISTING CIRCUITS FOR NEW LED WET RATED LIGHT FIXTURE AND SWITCH IN PIT. COORDINATE LOCATION SO FIXTURE DOES NOT INTERFERE WITH THE OPERATION OF THE ELEVATOR NOR HINDER ACCESS TO THE PIT.
- PROVIDE NEW SMOKE DETECTOR MOUNTED IN CEILING. CONNECT BACK TO EXISTING FIRE ALARM SYSTEM.
- PROVIDE 20A, 120V GFI RECEPTACLE FOR SUMP PUMP. CIRCUIT TO EXISTING PANEL FEEDING THE PIT RECEPTACLES.
- REPLACE EXISTING CONVENIENCE OUTLET IN EACH ELEVATOR PIT WITH GFI TYPE. MAINTAIN EXISTING CIRCUITING.
- UTILIZE EXISTING CIRCUITING TO POWER NEW LED FIXTURE AND SWITCH.
- REPLACE EXISTING CONVENIENCE OUTLET WITH GFI TYPE. MAINTAIN EXISTING CIRCUITING.
- PROVIDE WATER SENSOR IN SUMP PIT ALONG WITH LOCAL AUDIBLE ALARM. REFERENCE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.

KEY PLAN



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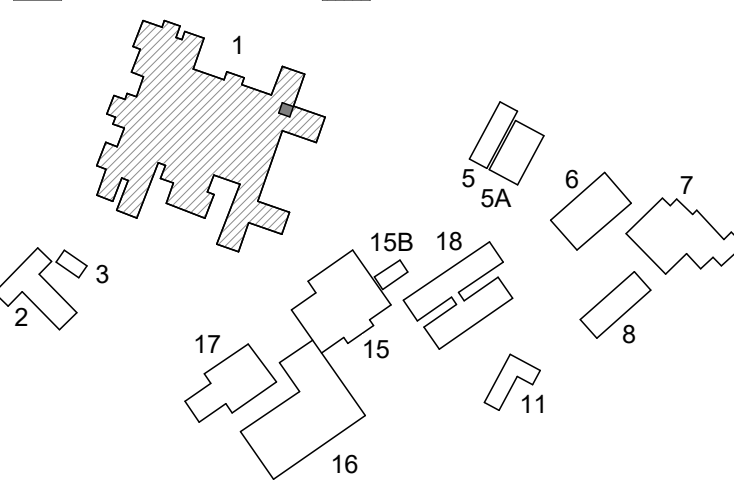
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KEY PLAN

SCALE: NO SCALE

AREA OF WORK BUILDING



FULLY SPRINKLERED

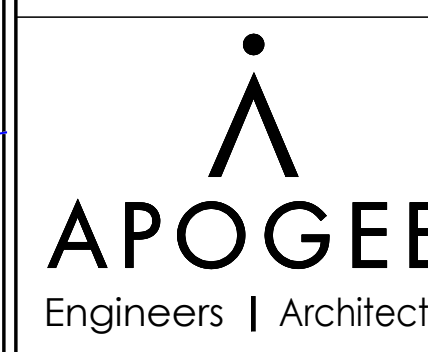
100% CONSTRUCTION DOCUMENTS

CONSULTANTS:



PROJECT MANAGER

ACG Project Number
22-105



Headquarters:
Apogee Consulting Group, P.A.
1151 Kildaire Farm Road, Suite 120
Cary, North Carolina 27511

www.acg-pa.com 919-858-7420

Office of
Construction
and Facilities
Management



Drawing Title

BLDG 1 - ENLARGED PLANS - ELEV P11

Location

NEW JERSEY VA MEDICAL CENTER -
EAST ORANGE CAMPUS
385 TREMONT AVE
EAST ORANGE, NJ 07018

Project Title

UPGRADE ELEVATORS PH2

Approved

Date

MAY 14, 2025

Checked

KTK

Drawn

PDN

VA PROJECT NUMBER

561-21-301

Building Number

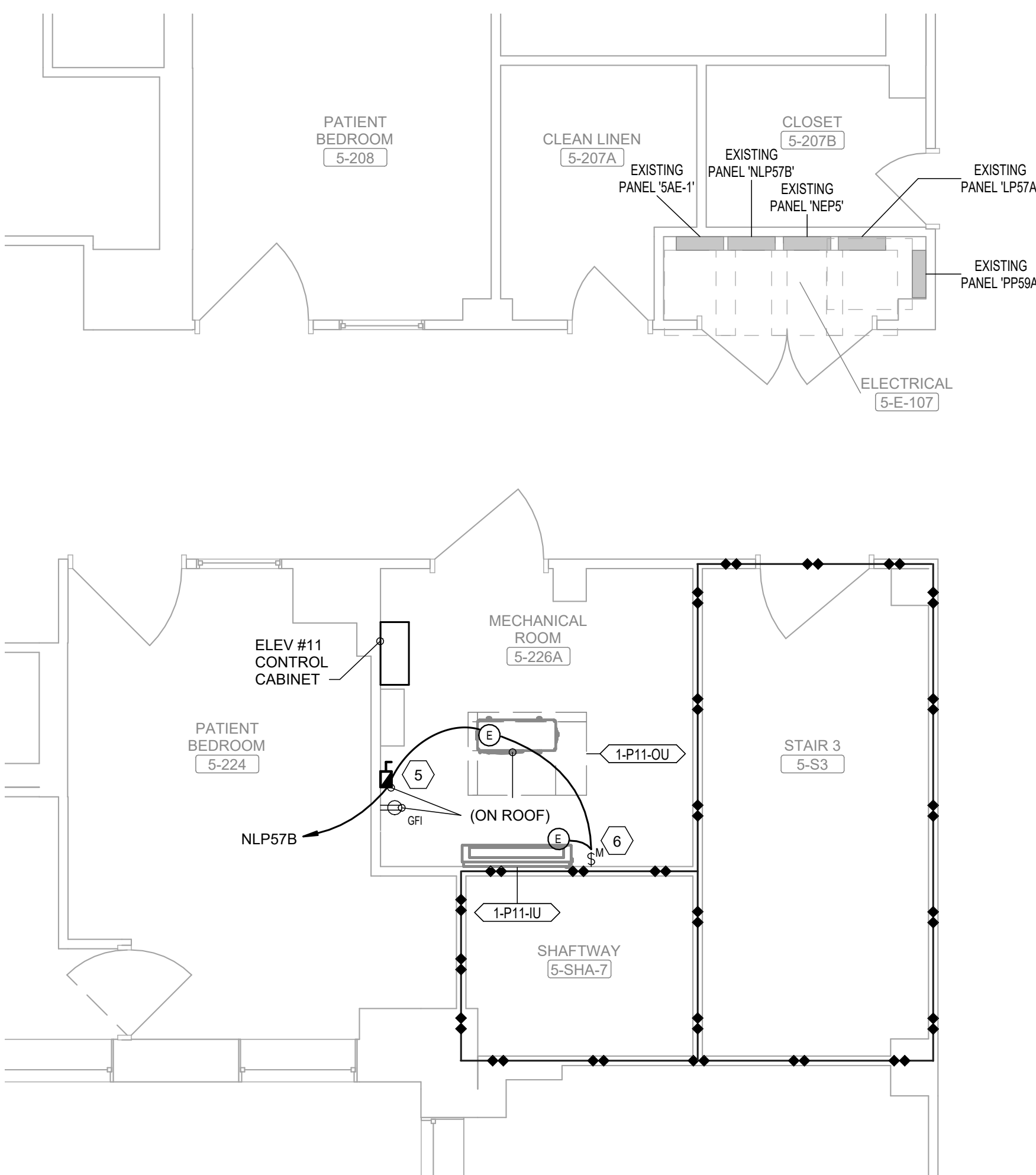
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Drawing Number

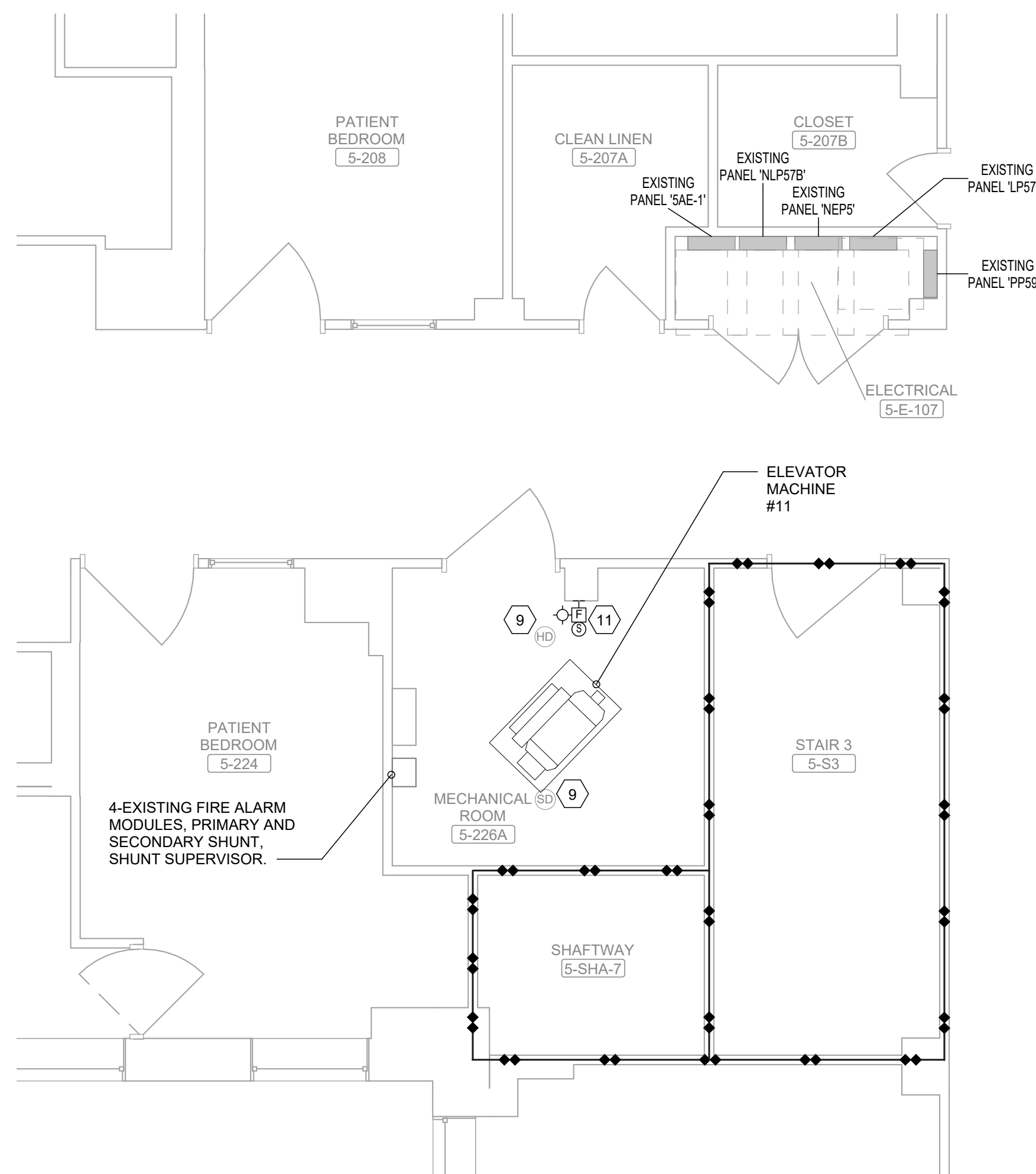
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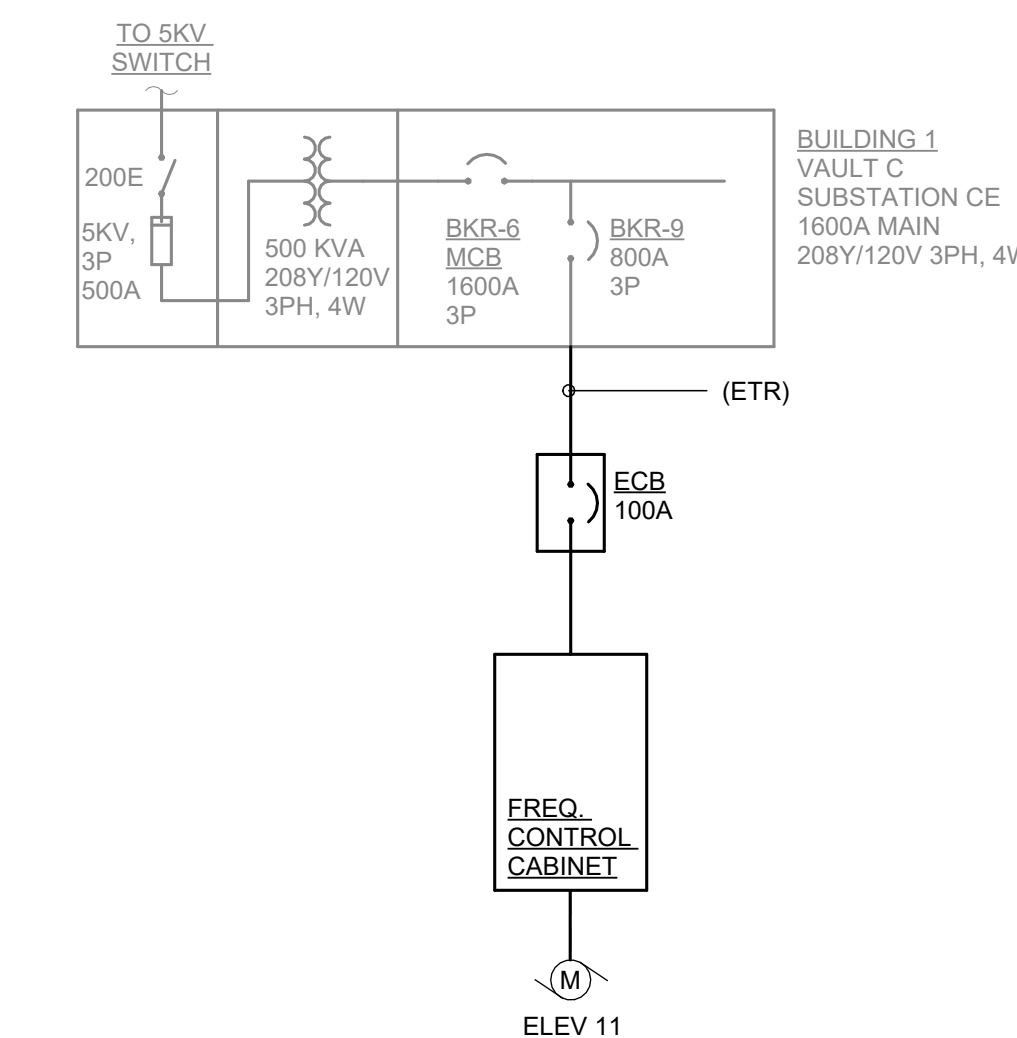
Revisions: Date



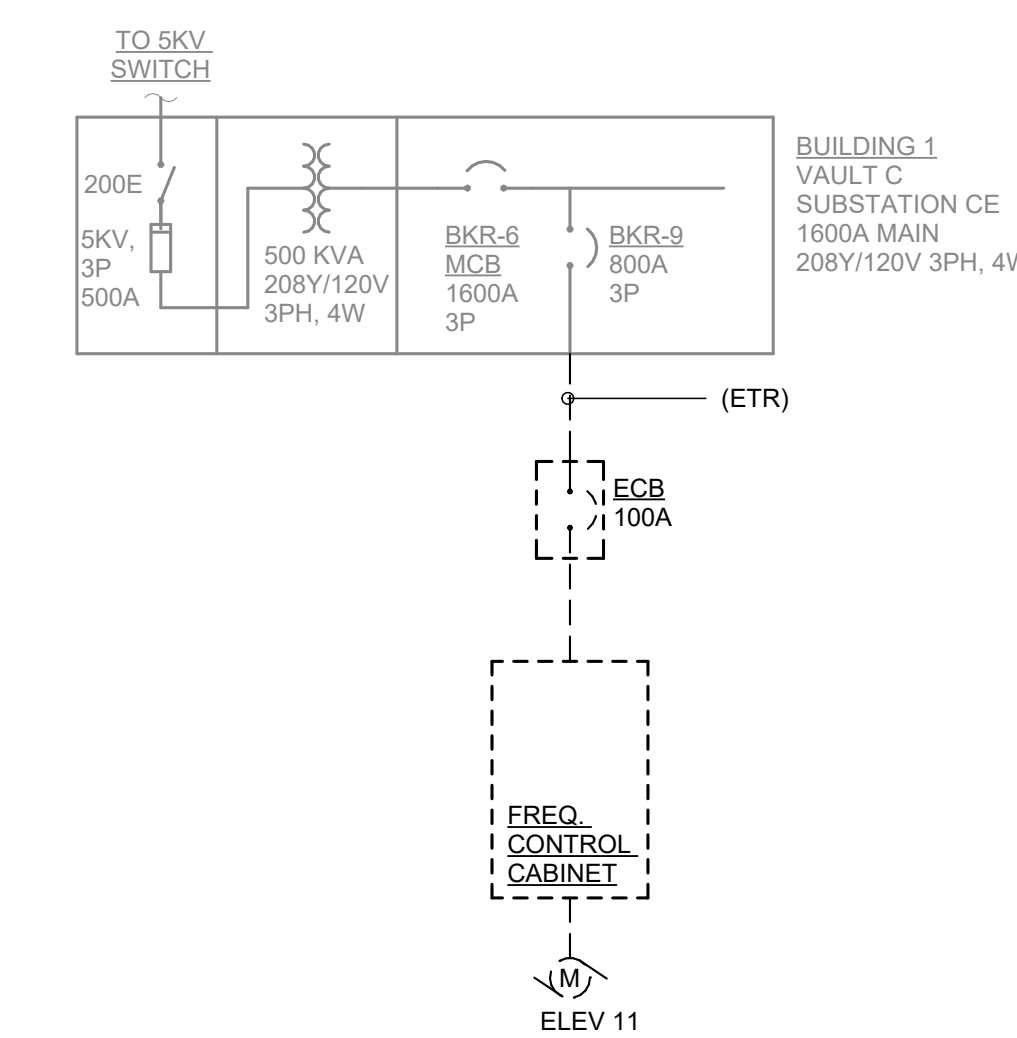
6 BUILDING 1 - FIFTH FLOOR - ELEVATOR P11 - ENLARGED MECHANICAL PLAN
Scale: 1/4" = 1'-0"



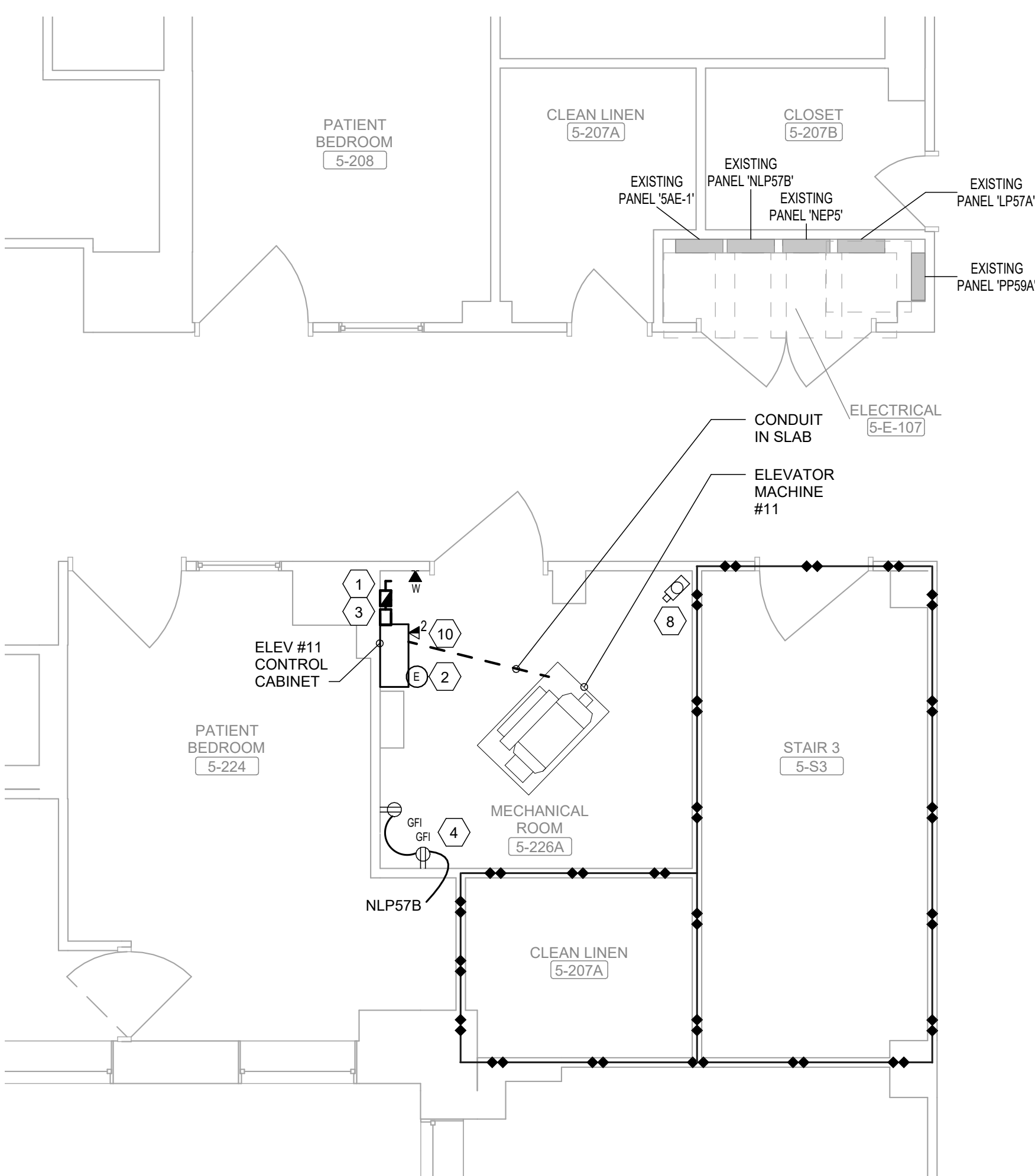
4 BUILDING 1 - FIFTH FLOOR - ELEVATOR P11 - ENLARGED FIRE ALARM PLAN
Scale: 1/4" = 1'-0"



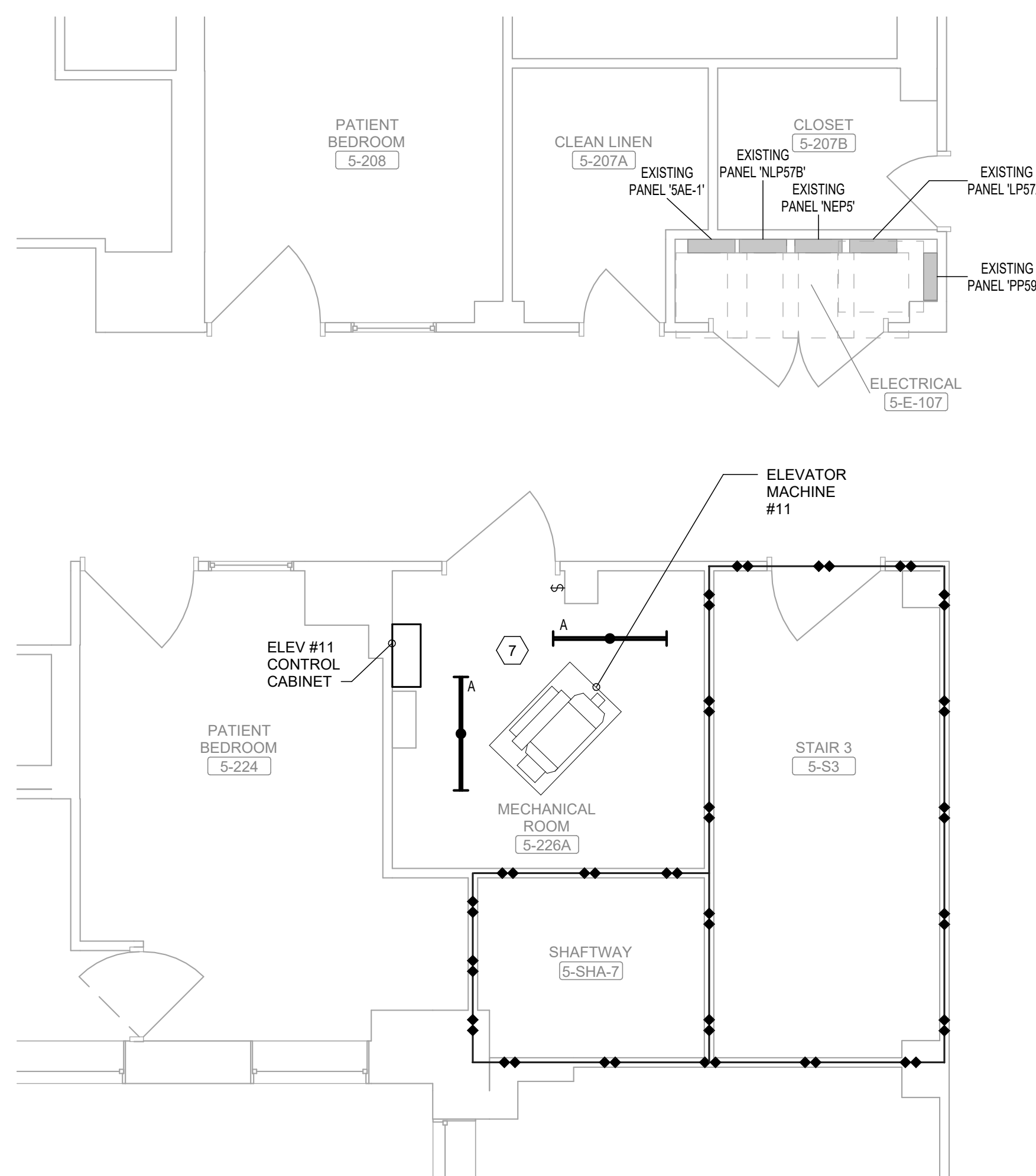
2 BUILDING 1 - 5TH FLOOR - ELEVATOR P11 - NEW SINGLE LINE
Scale: No Scale



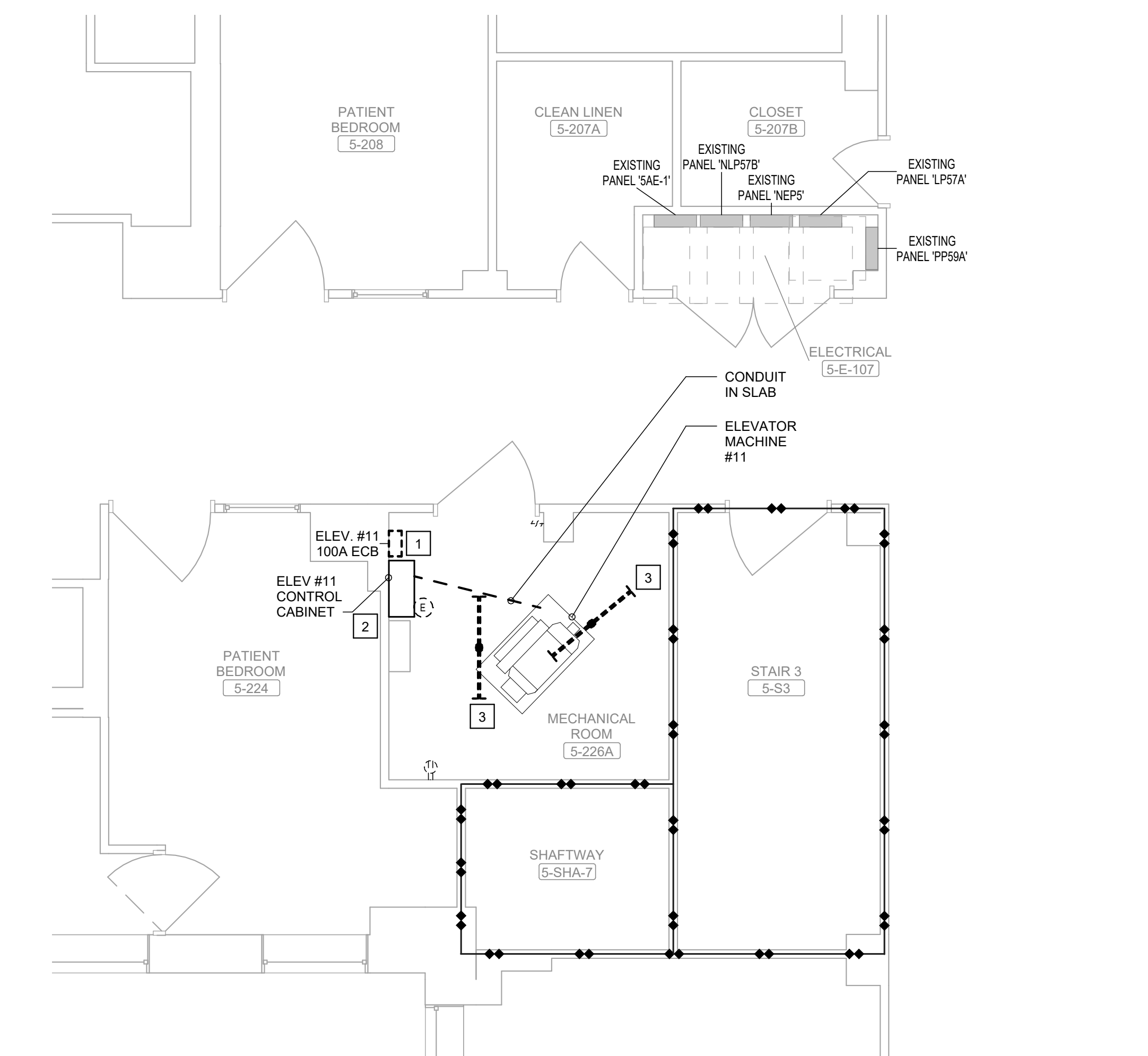
1 BUILDING 1 - 5TH FLOOR - ELEVATOR P11 - DEMOLITION SINGLE LINE
Scale: No Scale



7 BUILDING 1 - FIFTH FLOOR - ELEVATOR P11 - ENLARGED POWER PLAN
Scale: 1/4" = 1'-0"



5 BUILDING 1 - FIFTH FLOOR - ELEVATOR P11 - ENLARGED LIGHTING PLAN
Scale: 1/4" = 1'-0"



3 BUILDING 1 - FIFTH FLOOR - ELEVATOR P11 - ENLARGED DEMOLITION PLAN
Scale: 1/4" = 1'-0"

SHEET NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE AREA OF WORK. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.
- WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE REMAINING HOLE SHALL BE PATCHED / REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.
- ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOCK-OUT / TAG-OUT GUIDELINES TO DE-ENERGIZE EQUIPMENT.
- ELECTRICAL CONTRACTOR TO COORDINATE WITH COR FOR DISPOSAL OF REMOVED ELECTRICAL EQUIPMENT.
- ALL DEVICES SHOWN WITH DASHED LINES ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
- ALL DEVICES SHOWN WITH THIN GRAY LINES ARE EXISTING TO REMAIN. PROVIDE ALL WIRING FROM THE VA LAN DEMARCATION TO THE MACHINE ROOM(S) FOR THE INSTALLATION OF A LAN INTERFACE FOR THE TWO-WAY VIDEO CAB EMERGENCY COMMUNICATION SYSTEM. PROVIDE SHIELDED PAIRS AS REQUIRED FROM THE CAR TWO-WAY VIDEO COMMUNICATION TO THE LAN. PROVIDE ANY EQUIPMENT REQUIRED TO CONNECT THE TWO-WAY CAMERA TO THE LAN IN THE MACHINE ROOM(S).
- PROVIDE FIRE ALARM INITIATING DEVICES IN EACH ELEVATOR LOBBY, HOISTWAY, AND MACHINE ROOM TO INITIATE FIREFIGHTER'S RETURN FEATURE. PROVIDE ALARM INITIATING SIGNAL WIRING FROM HOISTWAY OR MACHINE ROOM TO PROVIDE SIGNAL FOR GENERAL ALARM AND DISCRETE SIGNAL FOR PHASE II FIREFIGHTER'S OPERATION.

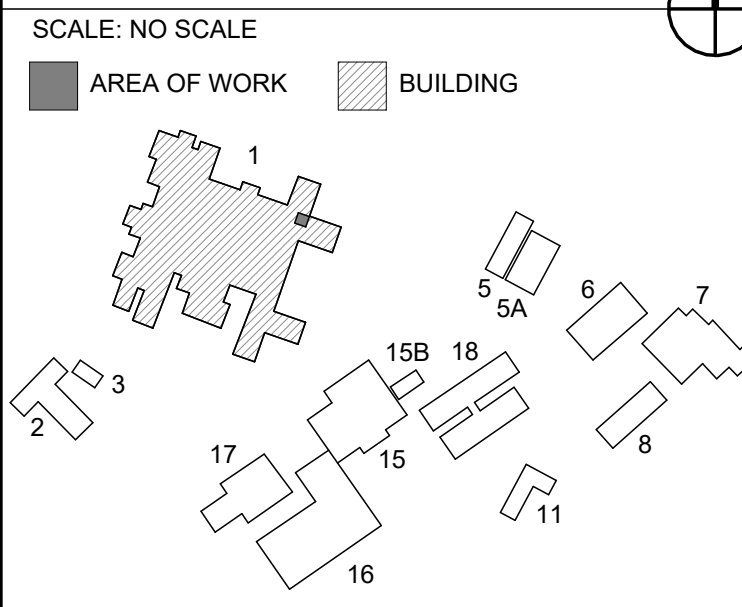
KEY NOTES:

- DEMOLISH EXISTING ELEVATOR SHUNT TRIP ENCLOSED CIRCUIT BREAKER. MAINTAIN EXISTING CIRCUIT FOR RE-USE.
- DEMOLISH CIRCUIT FROM ELEVATOR DISCONNECT TO CONTROLLER.
- ALL EXISTING LIGHT FIXTURES AND SWITCHES ARE TO BE DEMOLISHED AND REPLACED WITH NEW LED FIXTURES. MAINTAIN EXISTING CIRCUIT FOR RE-USE.

KEY NOTES:

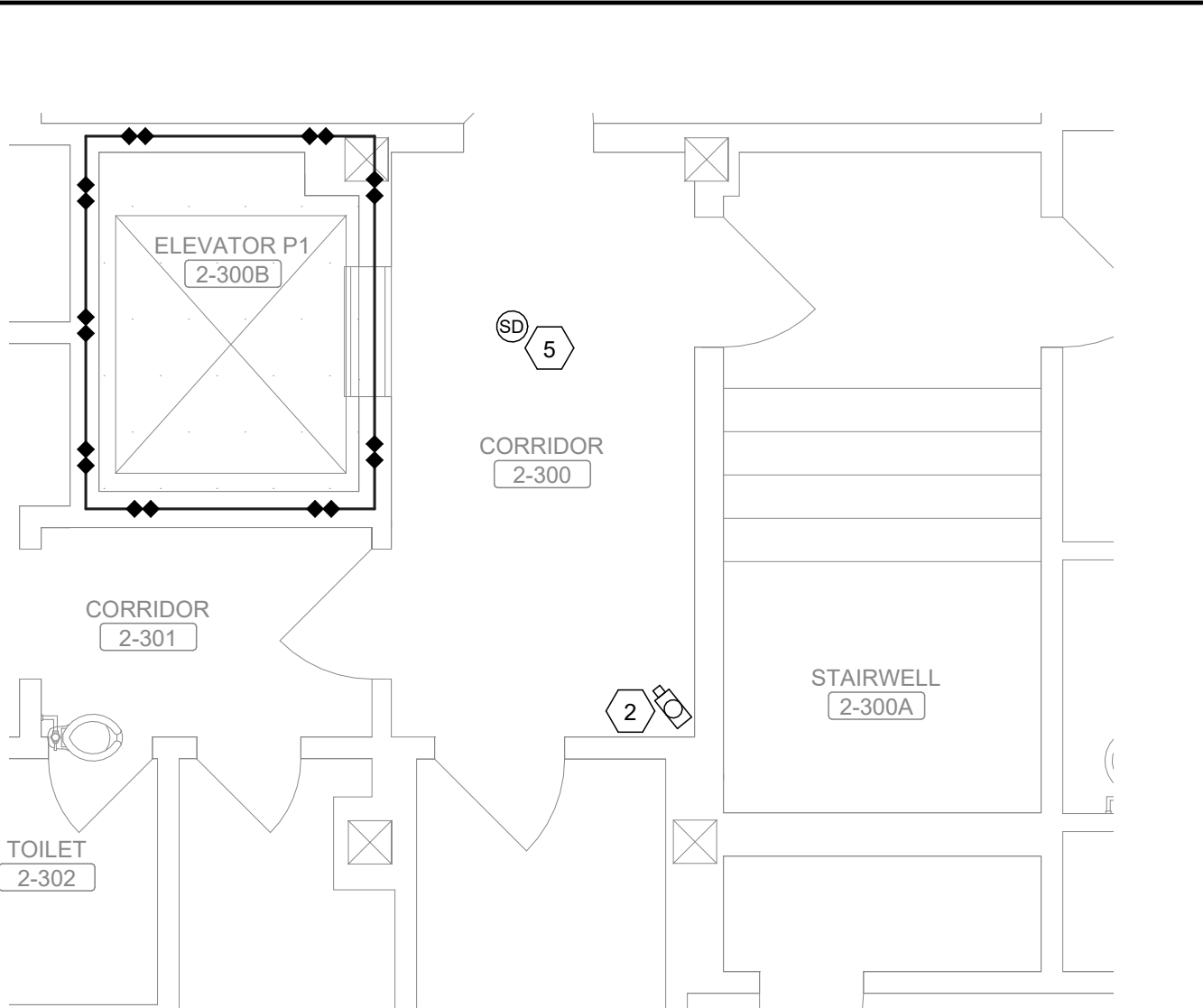
- REUSE EXISTING CIRCUIT TO POWER NEW 100A ENCLOSED SHUNT TRIP CIRCUIT BREAKER.
- PROVIDE NEW RACEWAY AND CONDUCTORS TO ELEVATOR CONTROLLER.
- NEW 120V DISCONNECT FOR ELEVATOR CAB LIGHTING. RE-USE EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- PROVIDE NEW CIRCUIT FOR NEW GFI RECEPTACLES.
- CONTRACTOR TO PROVIDE 30A NEMA 3R DISCONNECT FED BY (2) 10 AWG, (1) 10 AWG EGC IN 3/4" CONDUIT.
- NEW MOTOR RATED SWITCH FOR INDOOR FAN UNIT. OUTDOOR UNIT FEEDS INDOOR UNIT.
- NEW LED LIGHT FIXTURES. RE-USE EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- PROVIDE NEW DOME CAMERA (3.1 MEGA PIXEL) AND CONNECT TO THE EXISTING SSTV SYSTEM. COORDINATE WITH COR (RUN 4 PR CAT 5 CABLE TO IT RM 13-400).
- EXISTING FIRE ALARM DEVICE TO REMAIN.
- RUN (2) CAT 6A CABLES FROM NEW ELEVATOR CONTROLS CABINET TO COMMUNICATION CLOSET 13-400.
- PROPOSED NEW LOCATION OF FIRE ALARM DEVICE. CONNECT BACK TO EXISTING FIRE ALARM SYSTEM.

KEY PLAN

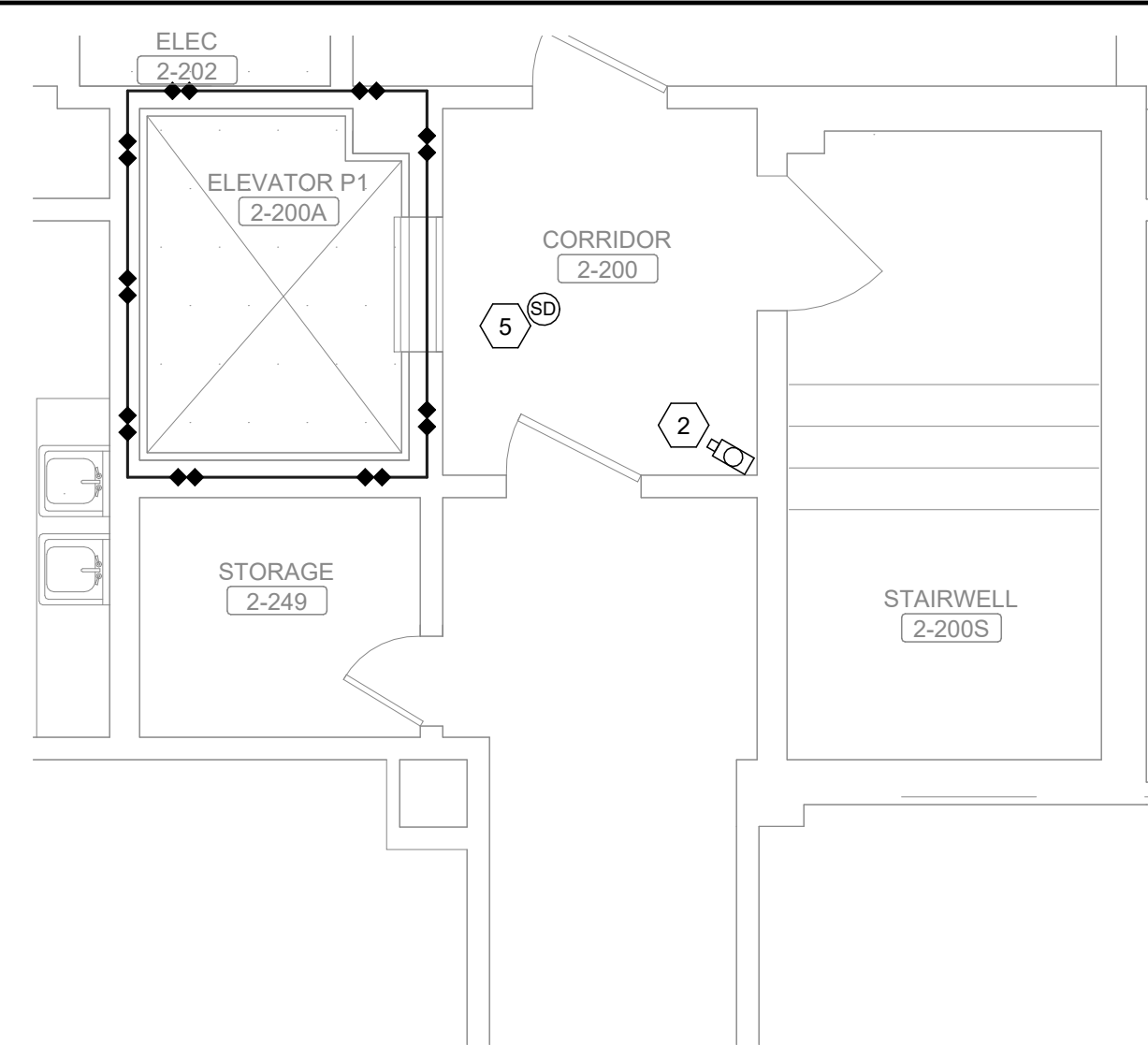


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100% CONSTRUCTION DOCUMENTS**

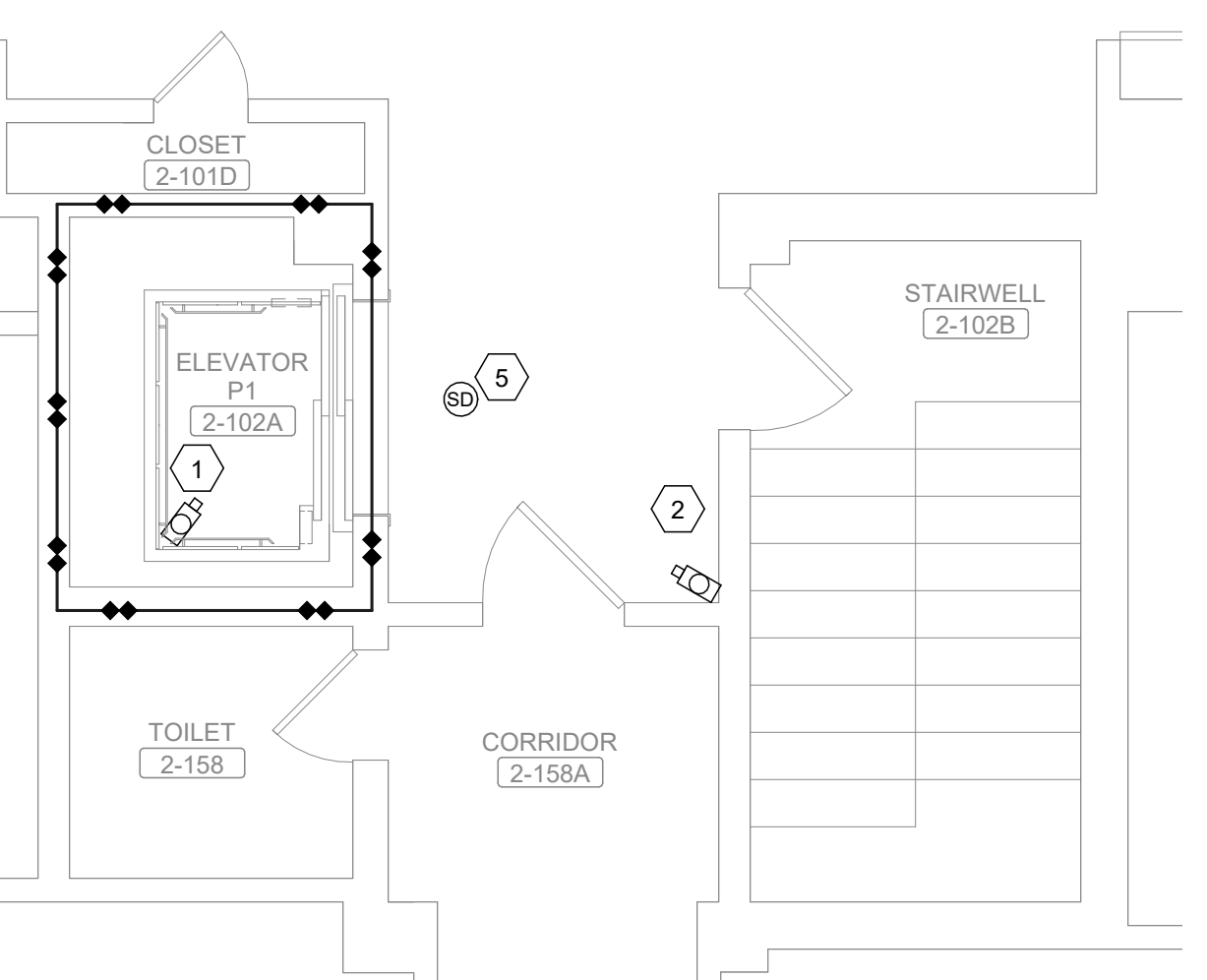
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**BLDG 2 - THIRD FLOOR -
ELEVATOR P1 - ENLARGED
PLAN**

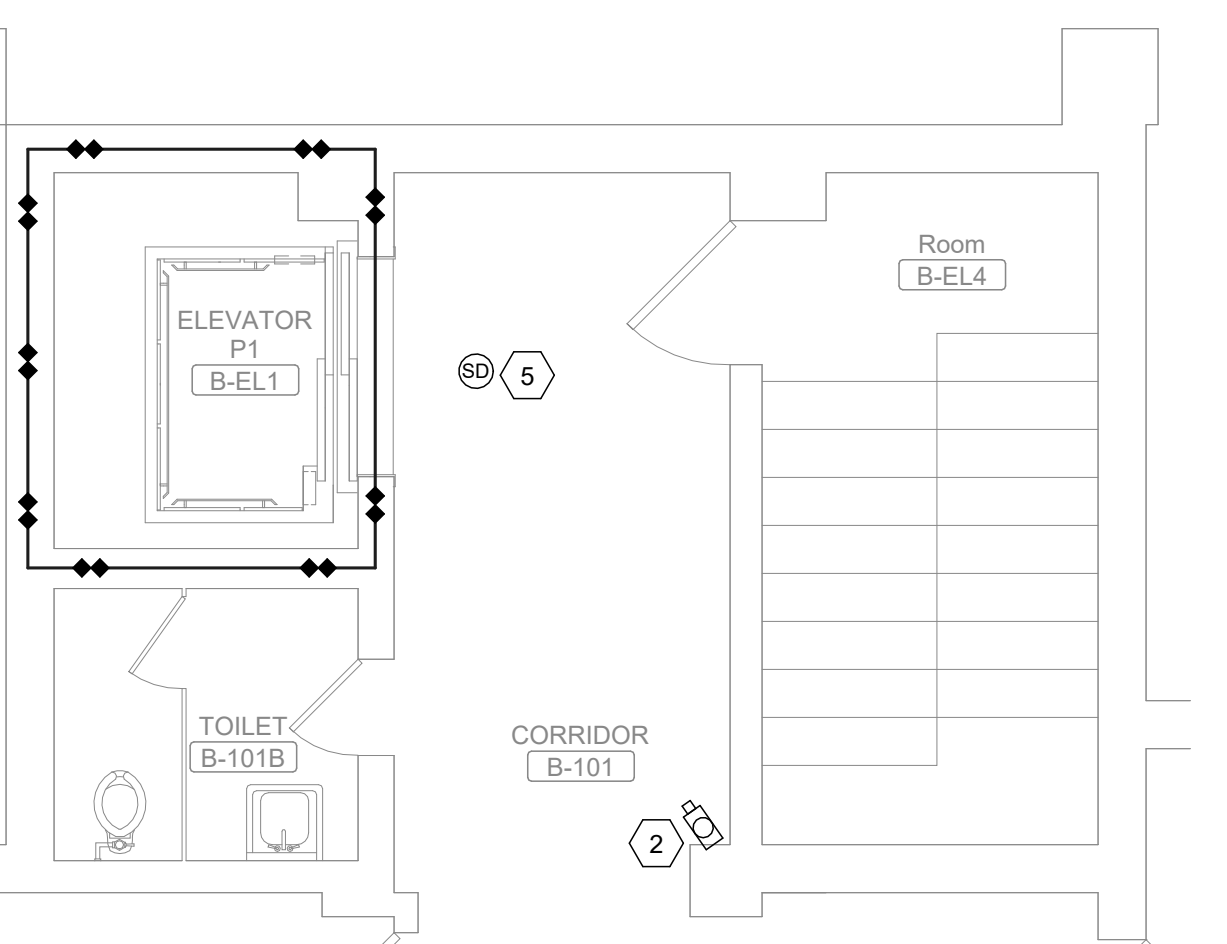


BUILDING 2 - SECOND FLOOR - ELEVATOR P1 - ENLARGED PLAN
Scale: 1/4" = 1'-0"



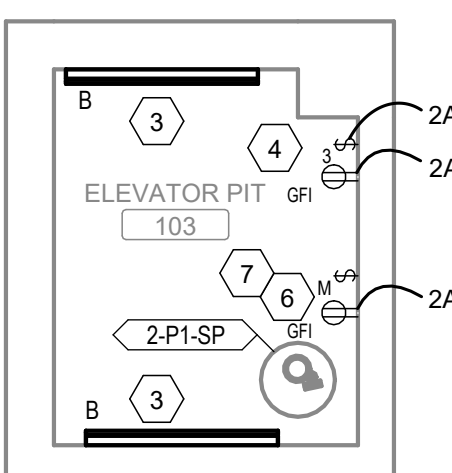
BUILDING 2 - FIRST FLOOR - ELEVATOR P1 - ENLARGED PLAN

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

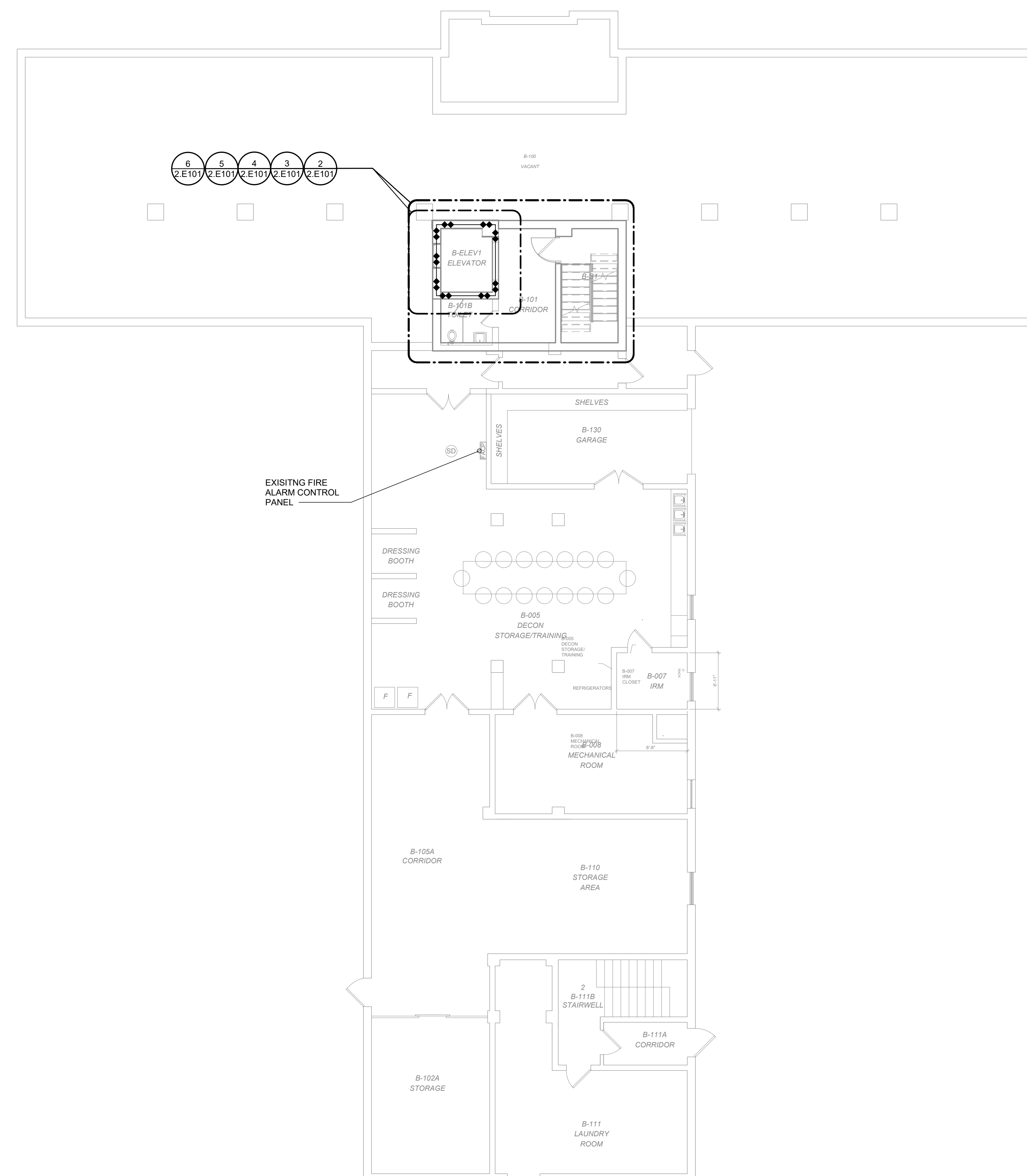


**BUILDING 2 - BASEMENT FLOOR - ELEVATOR P1 -
ENLARGED PLAN**

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



BUILDING 2 - ELEVATOR P2 - PIT PLAN
Scale: 1/4" = 1'-0"



1 BUILDING 2 - BASEMENT FLOOR PLAN
Scale: 1/8" = 1'-0"

SHEET NOTES:

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE EQUIPMENT ROOM. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.
- B. WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE CONTRACTOR SHALL PATCH AND REPAIR TO MAINTAIN THE RATING OF THE ASSEMBLY.
- C. ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOOK-OUT / TAG-OUT GUIDELINES TO DE-ENERGIZE EQUIPMENT.
- D. ELECTRICAL CONTRACTOR TO COORDINATE WITH CORP FOR DISPOSAL OF REMOVED ELECTRICAL EQUIPMENT.
- E. ALL DEVICES SHOWN WITH DASHED LINES ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
- F. ALL DEVICES SHOWN WITH THIN GRAY LINES ARE EXISTING TO REMAIN. PROVIDE ALL WIRING FROM THE VA LAN DEMARCATION TO THE MACHINE ROOM FOR THE HOISTWAY OR MACHINE ROOM INTERFACE FOR THE TWO-WAY VIDEO CAB EMERGENCY COMMUNICATION SYSTEM. PROVIDE TWO PAIRS OF CABLES TO THE MACHINE ROOM. PROVIDE TWO-WAY VIDEO COMMUNICATION TO THE LAN. PROVIDE ANY EQUIPMENT REQUIRED TO CONNECT TO TWO-WAY CAMERA TO THE LAN IN THE MACHINE ROOM(S).
- G. PROVIDE FIRE ALARM INITIATING DEVICES IN EACH ELEVATOR LOBBY, HOISTWAY, AND MACHINE ROOM TO INITIATE FIREFIGHTER'S RETURN FEATURE. PROVIDE ALARM INITIATING SIGNAL WIRING FROM HOISTWAY OR MACHINE ROOM TO PROVIDE SIGNAL FOR GENERAL ALARM AND DISCRETE SIGNAL FOR PHASE IF FIREFIGHTER'S OPERATION.

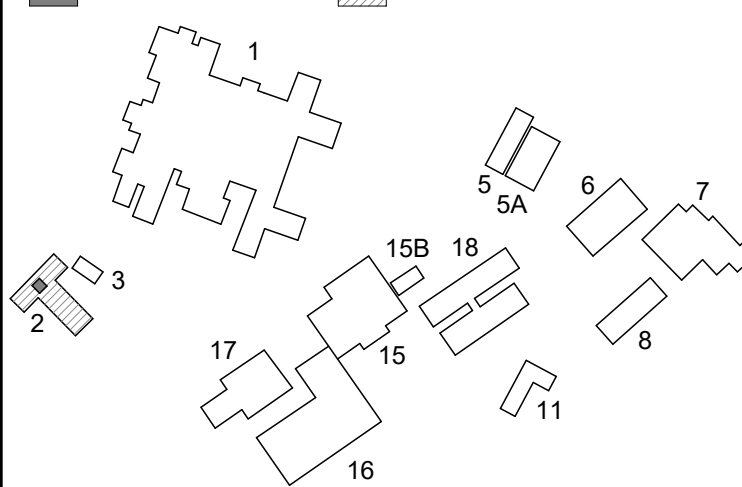
KEY NOTES:

- 1 PROVIDE NEW DOME CAMERA (3x1 MEGAPIXEL) IN
ELEVATOR CAB AND CONNECT TO THE EXISTING
SSTV SYSTEM USING 4 PR CAT 6 CABLE.
- 2 PROVIDE NEW DOME CAMERA (3x1 MEGAPIXEL) AND
CONNECT TO THE EXISTING SSTV SYSTEM USING
4 PR CAT 6 CABLE.
- 3 PROVIDE NEW 120V GFI BREAKER SWITCH FOR NEW
LED WET RATED LIGHT FIXTURE FOR THE PIT.
COORDINATE LOCATION SO FIXTURE DOES NOT
INTERFERE WITH EXISTING ELEVATOR CABLES.
ELEVATOR NOT HINDER ACCESS TO THE PIT.
- 4 PROVIDE NEW CIRCUIT FOR NEW GFI
RECEPTACLE.
- 5 PROVIDE NEW SMOKE DETECTOR MOUNTED IN
CEILING. CONNECT BACK TO EXISTING FIRE
ALARM SYSTEM.
- 6 PROVIDE 120V GFI RECEPTACLE FOR PUMP
PUMP. CIRCUIT TO EXISTING PANEL FEEDING THE
PIT RECEPTACLE.
- 7 PROVIDE WATER SENSOR IN SUMP PIT ALONG
WITH LOCAL AUDIBLE ALARM. REFERENCE
MECHANICAL SHEETS FOR ADDITIONAL
DETAILS.

KEY PLAN

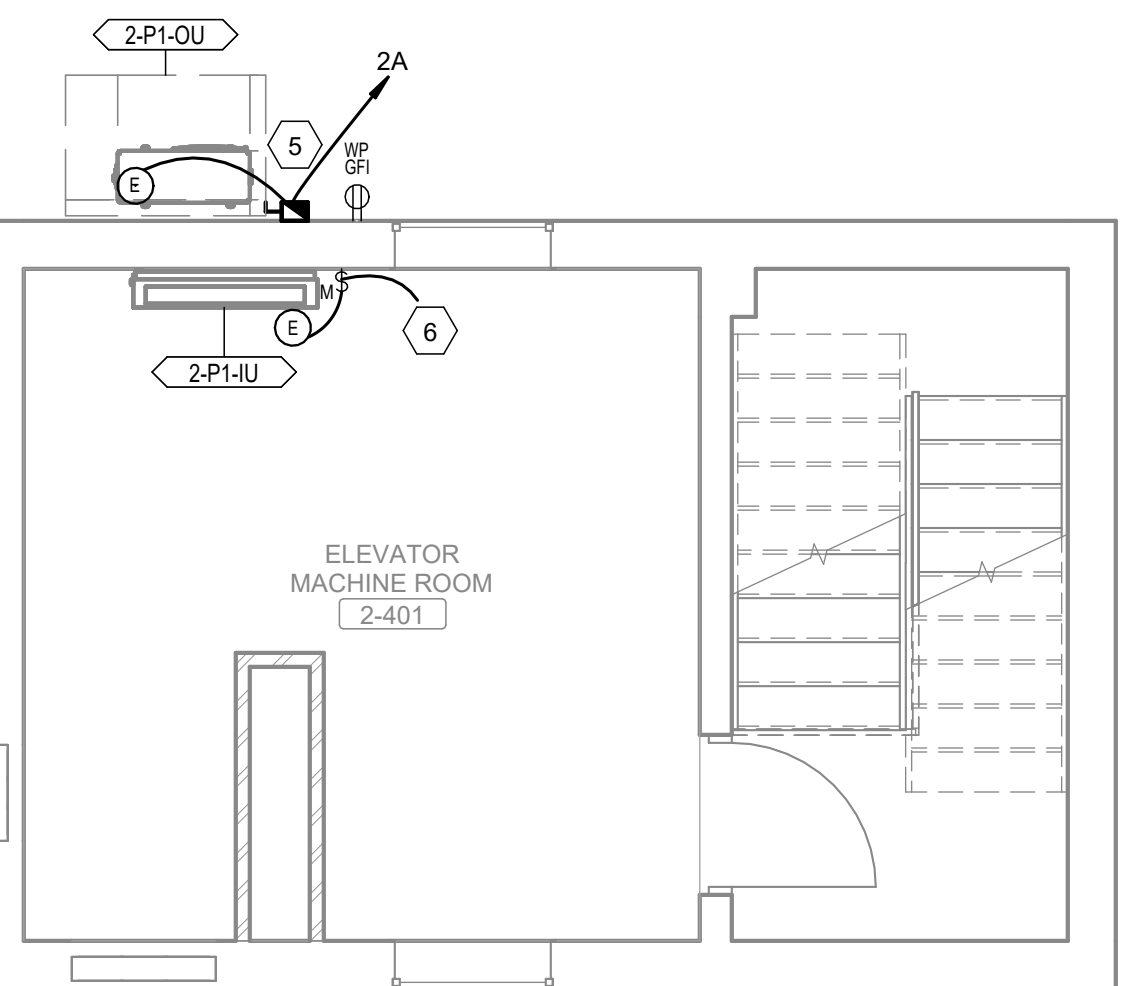
SCALE: NO SCALE

AREA OF WORK BUILDING

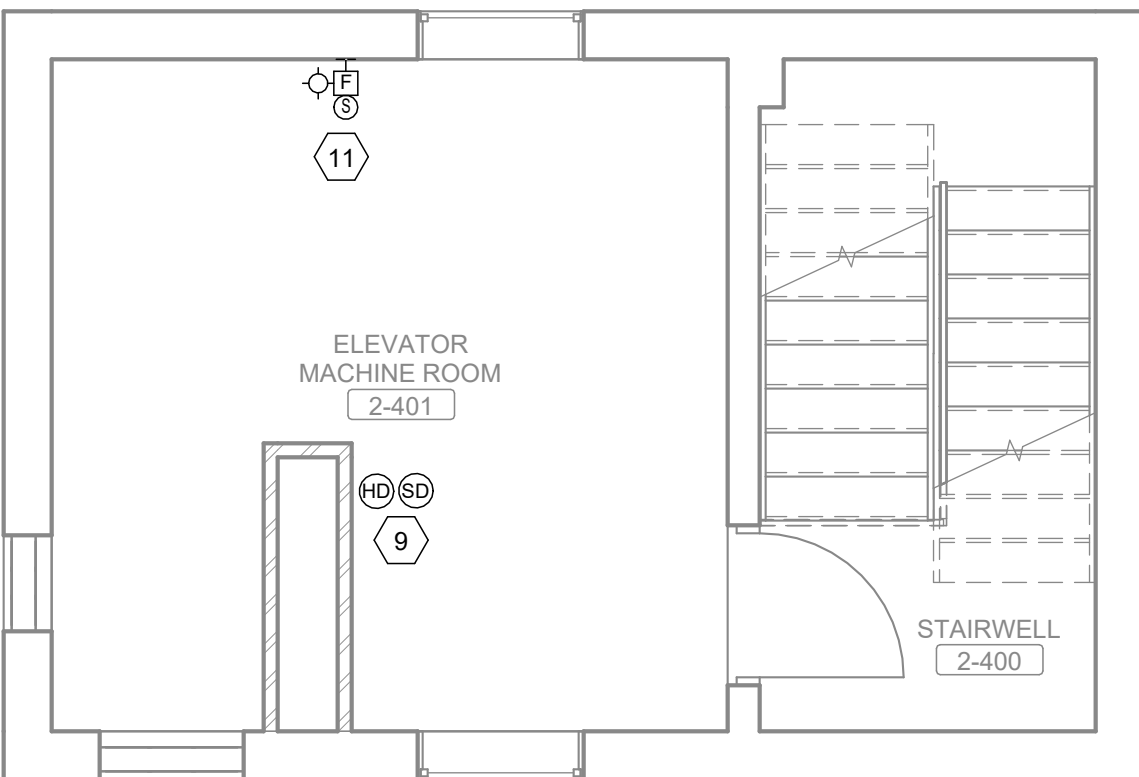


FULLY SPRINKLERED STRUCTION DOCUMENTS

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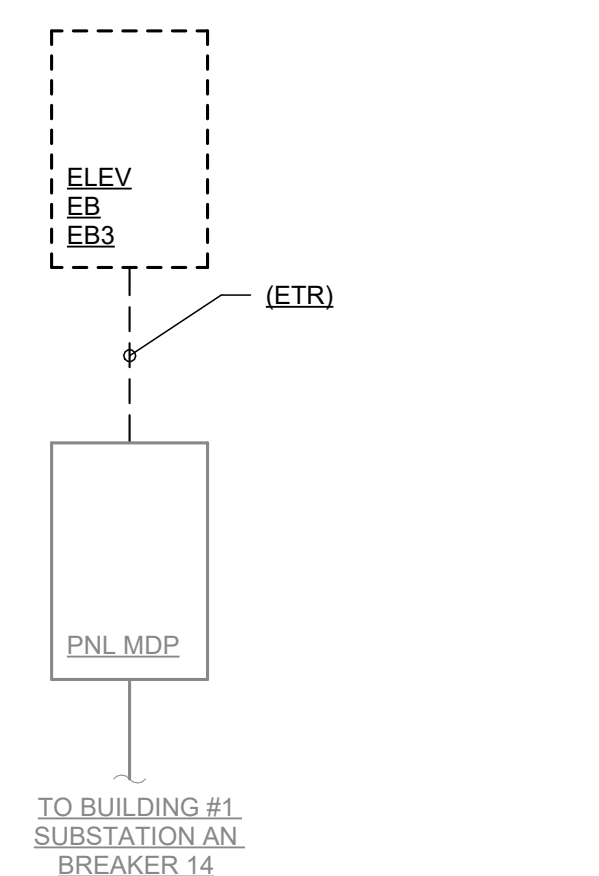
BUILDING 2 PENTHOUSE - ELEVATOR MACHINE ROOM P1 - ENLARGED MECHANICAL PLAN
Scale: 1/4" = 1'-0"



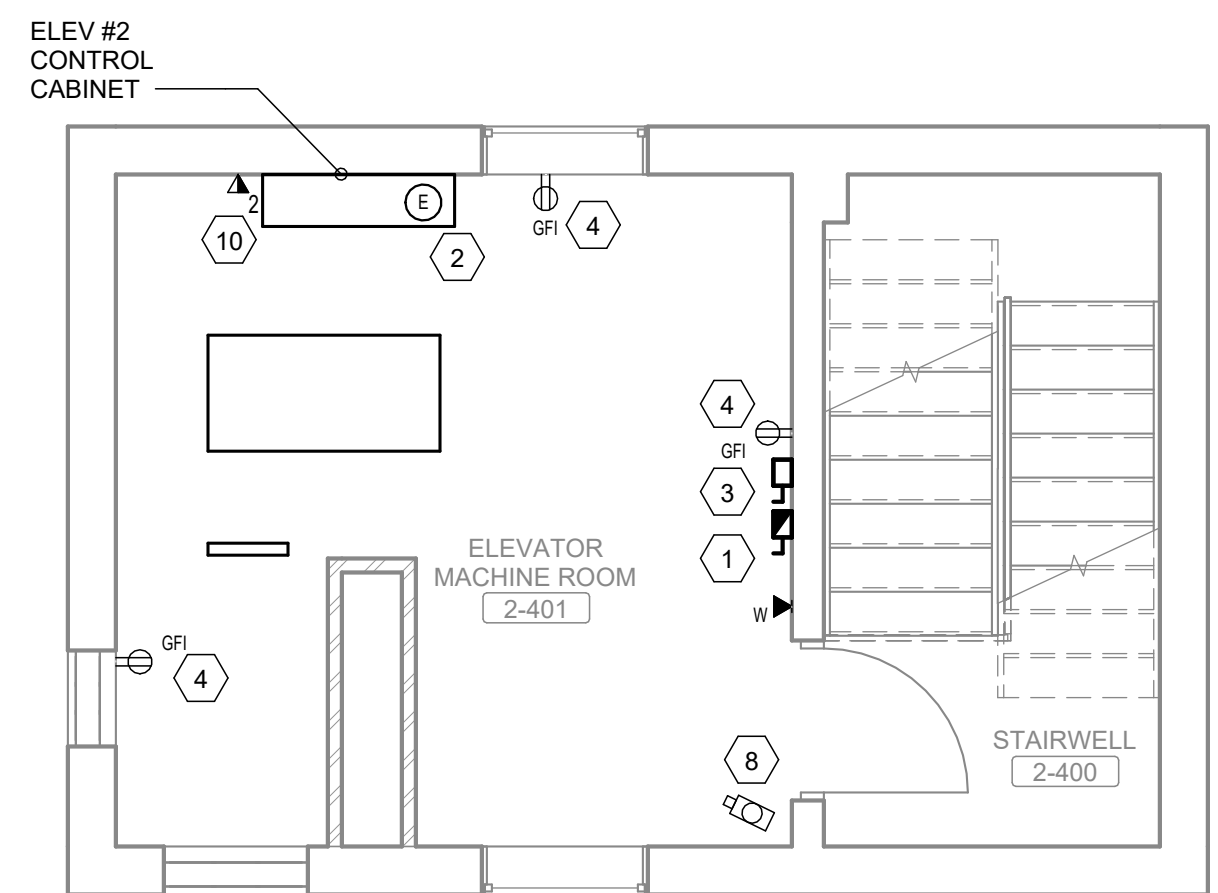
BUILDING 2 PENTHOUSE - ELEVATOR MACHINE ROOM P1 - ENLARGED FIRE ALARM PLAN
Scale: 1/4" = 1'-0"



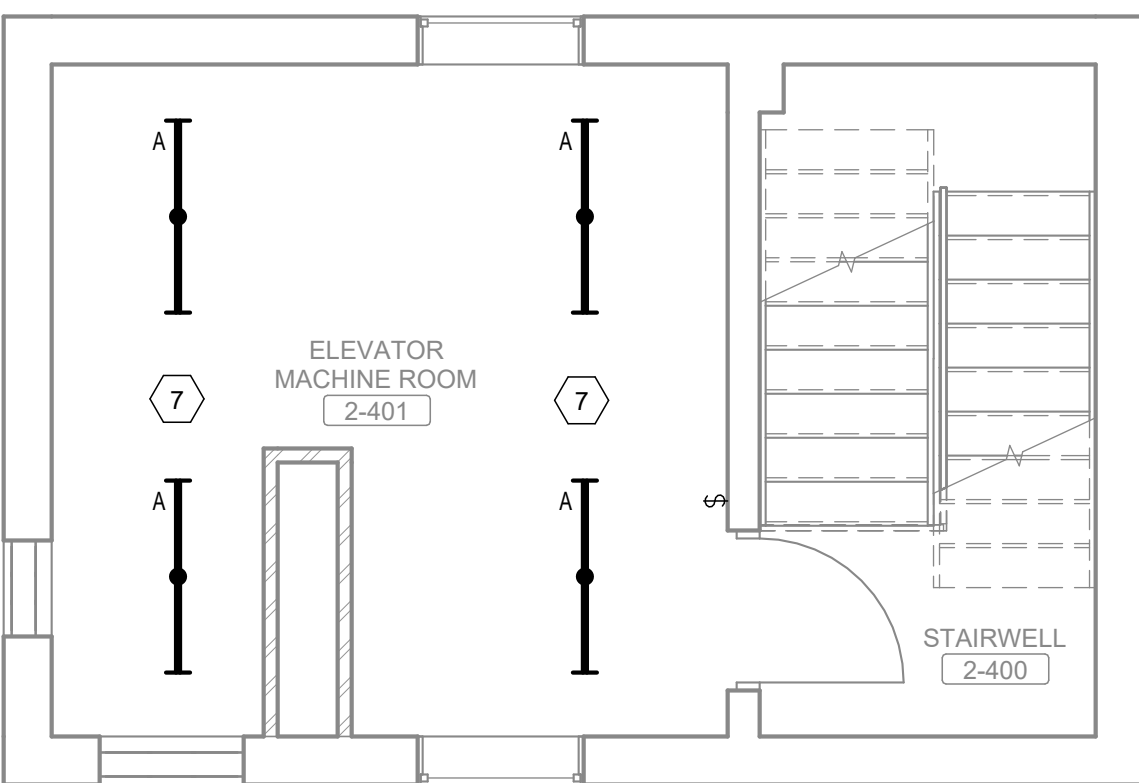
BUILDING 2 ELEVATOR P2 - NEW SINGLE LINE
Scale: No Scale



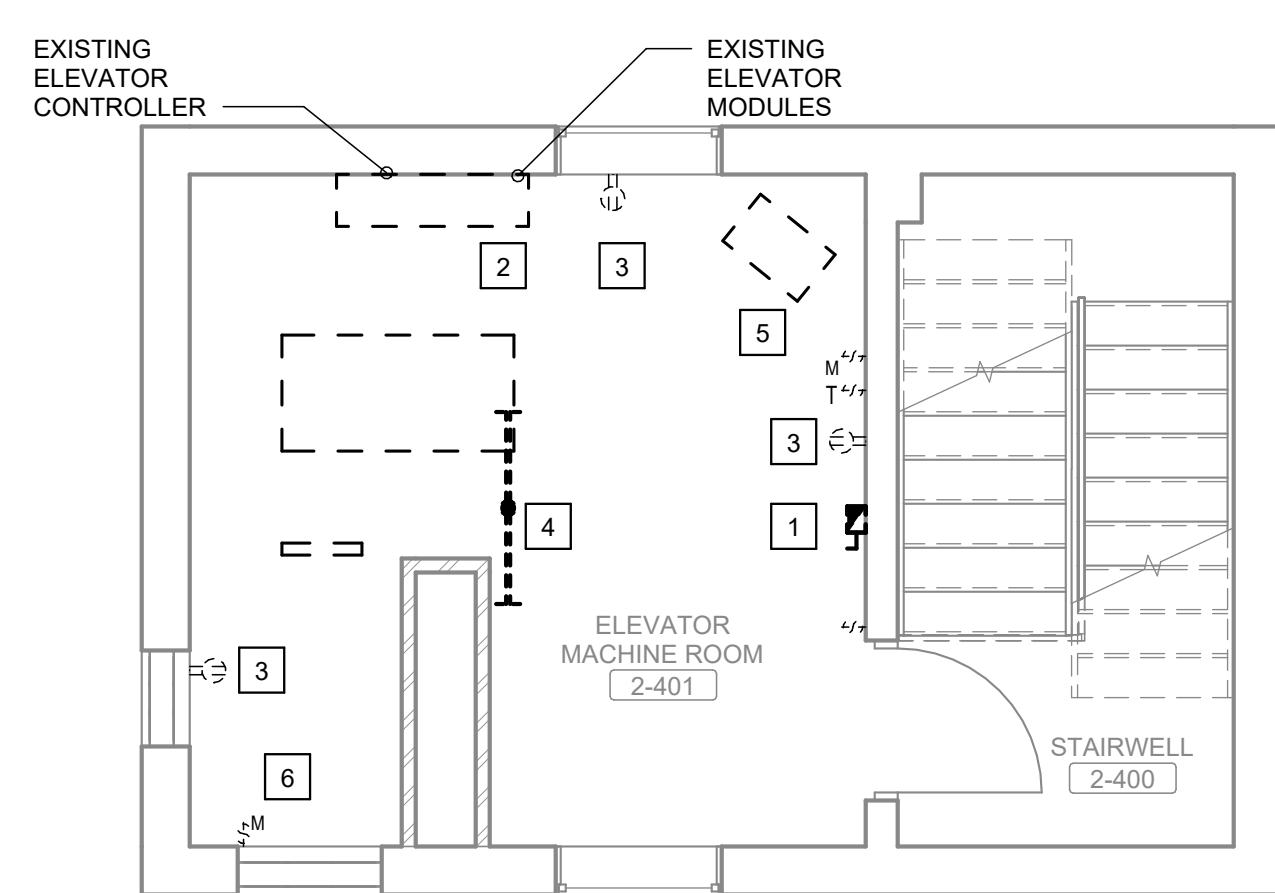
BUILDING 2 ELEVATOR P2 - DEMOLITION SINGLE LINE
Scale: No Scale



BUILDING 2 PENTHOUSE - ELEVATOR MACHINE ROOM P1 - ENLARGED POWER PLAN
Scale: 1/4" = 1'-0"



BUILDING 2 PENTHOUSE - ELEVATOR MACHINE ROOM P1 - ENLARGED LIGHTING PLAN
Scale: 1/4" = 1'-0"



BUILDING 2 PENTHOUSE - ELEVATOR MACHINE ROOM P1 - ENLARGED DEMOLITION PLAN
Scale: 1/4" = 1'-0"

SHEET NOTES:

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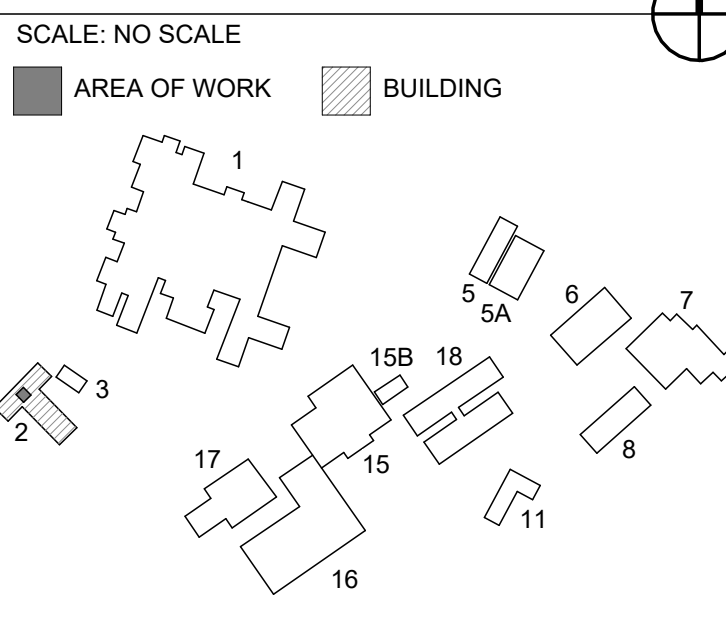
KEY NOTES:

- DEMOLISH EXISTING ELEVATOR SHUNT TRIP ENCLOSED CIRCUIT BREAKER. MAINTAIN EXISTING CIRCUIT FOR RE-USE.
- DEMOLISH CIRCUIT FROM ELEVATOR DISCONNECT TO CONTROLLER.
- ALL EXISTING RECEPTACLES TO BE DEMOLISHED AND REPLACED WITH NEW GFI RECEPTACLES. MAINTAIN EXISTING CIRCUIT FOR RE-USE.
- ALL EXISTING LIGHT FIXTURES AND SWITCHES ARE TO BE DEMOLISHED AND REPLACED WITH NEW LED FIXTURES. MAINTAIN EXISTING CIRCUIT FOR RE-USE.
- REMOVE UNIT HEATER DISCONNECT, TIMER, WIRING AND RACEWAY BACK TO SOURCE.
- REMOVE FAN DISCONNECT SWITCH, WIRING AND RACEWAY BACK TO SOURCE.

KEY NOTES:

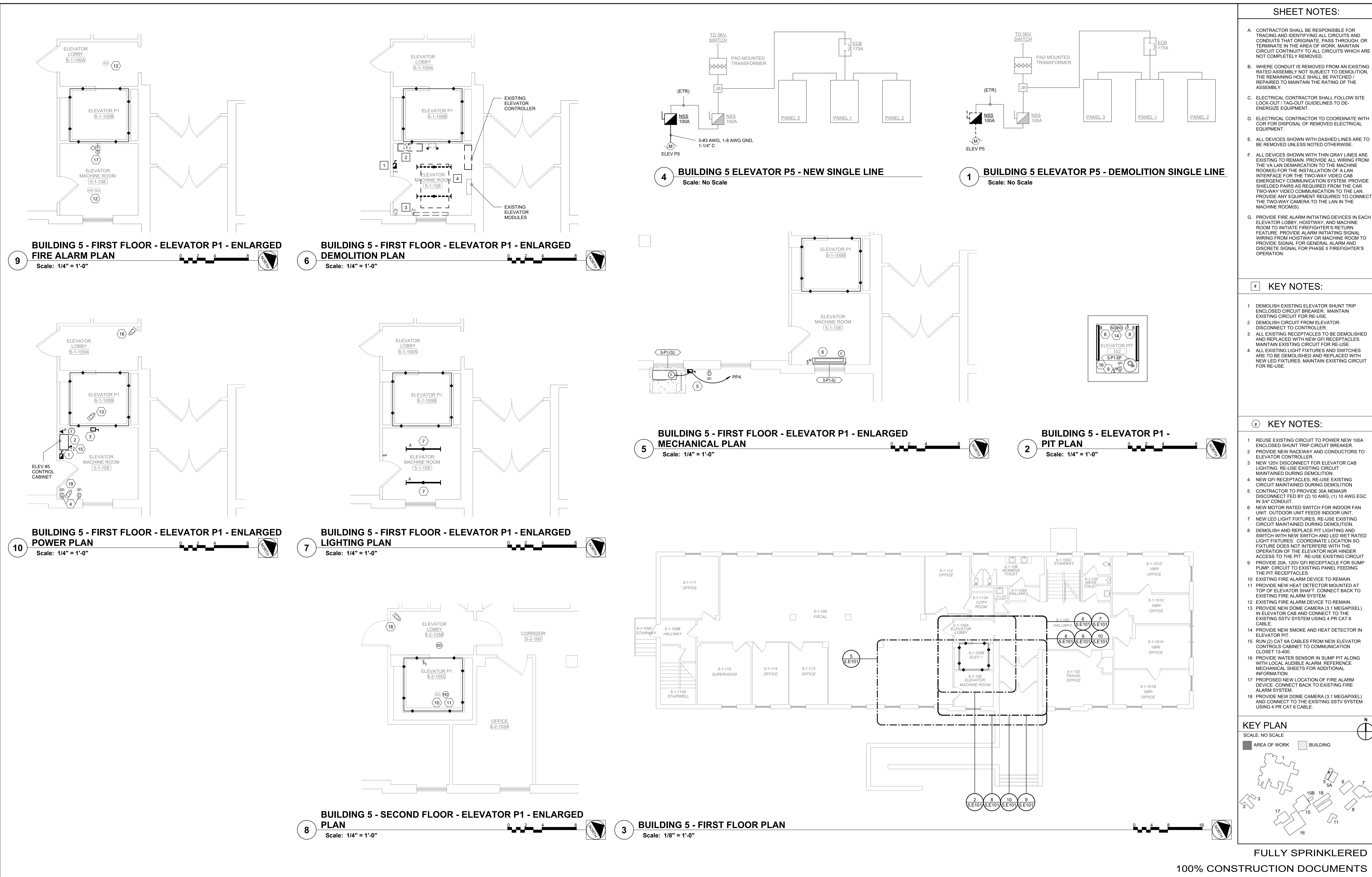
- REUSE EXISTING CIRCUIT TO POWER NEW 100A ENCLOSED SHUNT TRIP CIRCUIT BREAKER.
- PROVIDE NEW RACEWAY AND CONDUCTORS TO ELEVATOR CONTROLLER.
- NEW 120V DISCONNECT FOR ELEVATOR CAB LIGHTING. RE-USE EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- NEW GFI RECEPTACLES. RE-USE EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- CONTRACTOR TO PROVIDE 30A NEMA3R DISCONNECT FED BY (2) 10 AWG, (1)10 AWG GND IN 3/4" CONDUIT.
- NEW MOTOR RATED SWITCH FOR INDOOR FAN UNIT. OUTDOOR UNIT FEEDS INDOOR UNIT.
- NEW LED LIGHT FIXTURES. RE-USE EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- PROVIDE NEW DOME CAMERA (3.1 MEGA PIXEL) AND CONNECT TO THE EXISTING SSTV SYSTEM.
- PROVIDE NEW SMOKE AND HEAT DETECTOR MOUNTED ON CEILING AND CONNECT BACK TO EXISTING FIRE ALARM SYSTEM.
- RUN (2) CAT 6A CABLES FROM NEW ELEVATOR CONTROLS CABINET TO COMMUNICATION CLOSET 13-400.
- PROPOSED NEW LOCATION OF FIRE ALARM DEVICE. CONNECT BACK TO EXISTING FIRE ALARM SYSTEM.

KEY PLAN



**FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS**

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SHEET NOTES:

A. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE AREA OF WORK. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.

B. WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE REMAINING HOLE SHALL BE PATCHED / REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.

C. ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOCK-OUT / TAG-OUT GUIDELINES TO DE-ENERGIZE EQUIPMENT.

D. ELECTRICAL CONTRACTOR TO COORDINATE WITH COR FOR DISPOSAL OF REMOVED ELECTRICAL EQUIPMENT.

E. ALL DEVICES SHOWN WITH DASHED LINES ARE TO BE REMOVED UNLESS NOTED OTHERWISE.

F. ALL DEVICES SHOWN WITH THIN GRAY LINES ARE EXISTING TO REMAIN. PROVIDE ALL WIRING FROM THE VA LAN DEMARCATION TO THE MACHINE ROOM(S) FOR THE INSTALLATION OF A LAN INTERFACE FOR THE TWO-WAY VIDEO CAB EMERGENCY COMMUNICATION SYSTEM. PROVIDE SHIELDED PAIRS AS REQUIRED FROM THE CAR TWO-WAY VIDEO COMMUNICATION TO THE LAN. PROVIDE ANY EQUIPMENT REQUIRED TO CONNECT THE TWO-WAY CAMERA TO THE LAN IN THE MACHINE ROOM(S).

G. PROVIDE FIRE ALARM INITIATING DEVICES IN EACH ELEVATOR LOBBY, HOISTWAY, AND MACHINE ROOM TO INITIATE FIREFIGHTER'S RETURN FEATURE. PROVIDE ALARM INITIATING SIGNAL WIRING FROM HOISTWAY OR MACHINE ROOM TO PROVIDE SIGNAL FOR GENERAL ALARM AND DISCRETE SIGNAL FOR PHASE II FIREFIGHTER'S OPERATION.

KEY NOTES:

1. DEMOLISH EXISTING ELEVATOR SHUNT TRIP ENCLOSED SHUNT TRIP CIRCUIT BREAKER. MAINTAIN EXISTING CIRCUIT FOR RE-USE.

2. DEMOLISH CIRCUIT FROM ELEVATOR DISCONNECT TO CONTROLLER.

3. ALL EXISTING RECEPTACLES TO BE DEMOLISHED AND REPLACED WITH NEW GFI RECEPTACLES. MAINTAIN EXISTING CIRCUIT FOR RE-USE.

4. ALL EXISTING LIGHT FIXTURES AND SWITCHES ARE TO BE DEMOLISHED AND REPLACED WITH NEW LED FIXTURES. MAINTAIN EXISTING CIRCUIT FOR RE-USE.

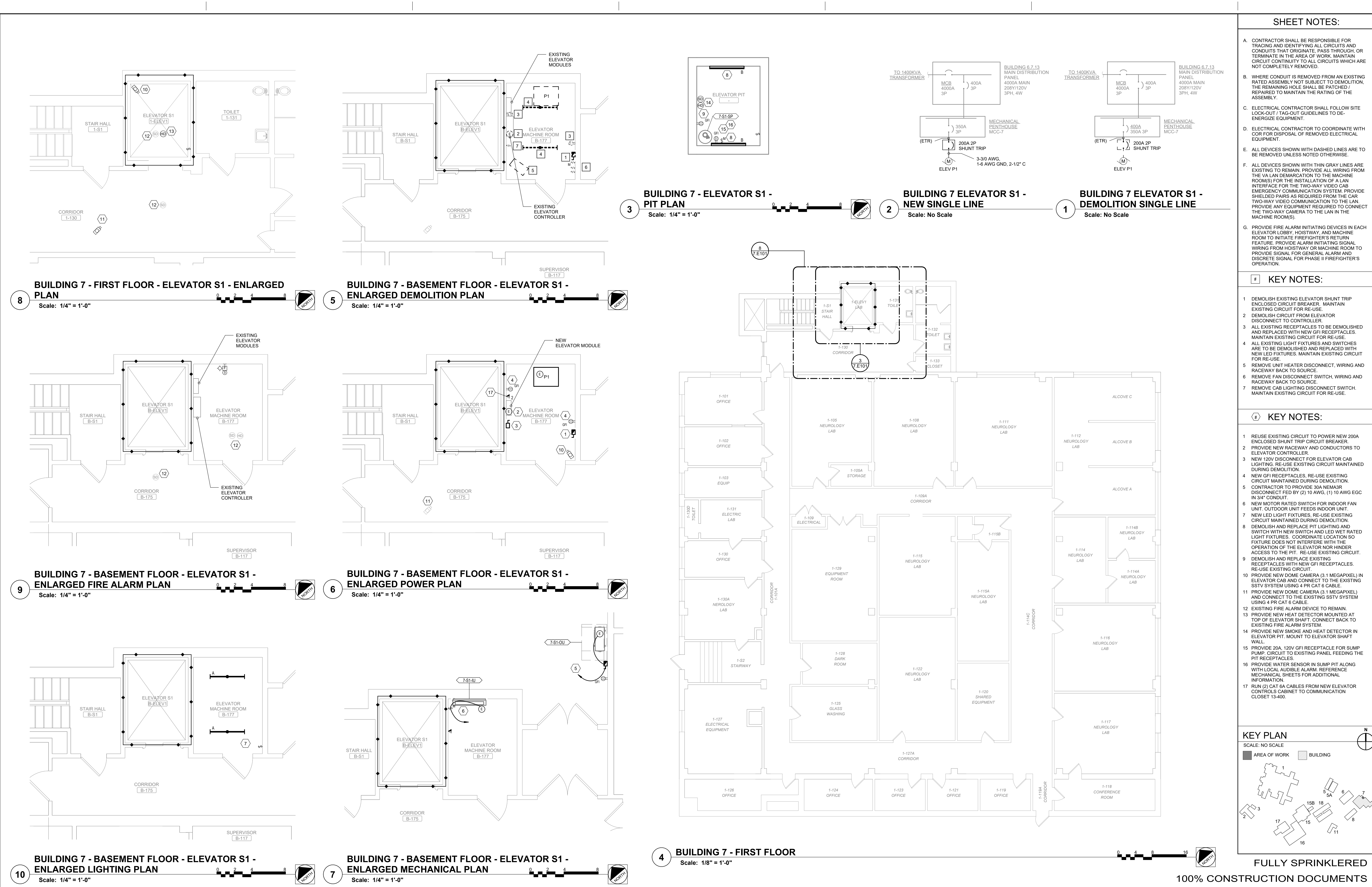
KEY PLAN

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SHEET NOTES:

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACING AND IDENTIFYING ALL CIRCUITS AND CONDUITS THAT ORIGINATE, PASS THROUGH, OR TERMINATE IN THE AREA OF WORK. MAINTAIN CIRCUIT CONTINUITY TO ALL CIRCUITS WHICH ARE NOT COMPLETELY REMOVED.
- B. WHERE CONDUIT IS REMOVED FROM AN EXISTING RATED ASSEMBLY NOT SUBJECT TO DEMOLITION, THE REMAINING HOLES SHALL BE PATCHED / REPAIRED TO MAINTAIN THE RATING OF THE ASSEMBLY.
- C. ELECTRICAL CONTRACTOR SHALL FOLLOW SITE LOCK-OUT / TAG-OUT GUIDELINES TO DE-ENERGIZE EQUIPMENT.
- D. ELECTRICAL CONTRACTOR TO COORDINATE WITH COR FOR DISPOSAL OF REMOVED ELECTRICAL EQUIPMENT.
- E. ALL DEVICES SHOWN WITH DASHED LINES ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
- F. ALL DEVICES SHOWN WITH THIN GRAY LINES ARE EXISTING TO REMAIN. PROVIDE ALL WIRING FROM THE VA LAN DEMARCATION TO THE MACHINE ROOM(S) FOR THE INSTALLATION OF A LAN INTERFACE FOR THE TWO-WAY VIDEO CAB EMERGENCY COMMUNICATION SYSTEM. PROVIDE SHIELDED PAIRS AS REQUIRED FROM THE CAR TWO-WAY VIDEO COMMUNICATION TO THE LAN. PROVIDE ANY EQUIPMENT REQUIRED TO CONNECT THE TWO-WAY CAMERA TO THE LAN IN THE MACHINE ROOM(S).
- G. PROVIDE FIRE ALARM INITIATING DEVICES IN EACH ELEVATOR LOBBY, HOISTWAY, AND MACHINE ROOM TO INITIATE FIREFIGHTER'S RETURN FEATURE. PROVIDE ALARM INITIATING SIGNAL WIRING FROM HOISTWAY OR MACHINE ROOM TO PROVIDE SIGNAL FOR GENERAL ALARM AND DISCRETE SIGNAL FOR PHASE II FIREFIGHTER'S OPERATION.

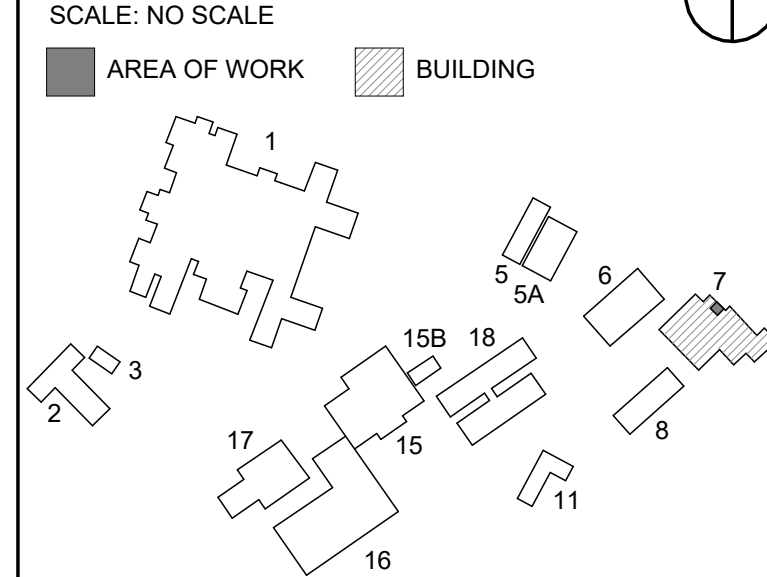
KEY NOTES:

- 1. DEMOLISH EXISTING ELEVATOR SHUNT TRIP ENCLOSED CIRCUIT BREAKER. MAINTAIN EXISTING CIRCUIT FOR RE-USE.
- 2. DEMOLISH CIRCUIT FROM ELEVATOR DISCONNECT TO CONTROLLER.
- 3. ALL EXISTING RECEPTACLES TO BE DEMOLISHED AND REPLACED WITH NEW GFI RECEPTACLES. MAINTAIN EXISTING CIRCUIT FOR RE-USE.
- 4. ALL EXISTING LIGHT FIXTURES AND SWITCHES ARE TO BE DEMOLISHED AND REPLACED WITH NEW LED FIXTURES. MAINTAIN EXISTING CIRCUIT FOR RE-USE.
- 5. REMOVE UNIT HEATER DISCONNECT, WIRING AND RACEWAY BACK TO SOURCE.
- 6. REMOVE FAN DISCONNECT SWITCH, WIRING AND RACEWAY BACK TO SOURCE.
- 7. REMOVE CAB LIGHTING DISCONNECT SWITCH. MAINTAIN EXISTING CIRCUIT FOR RE-USE.

KEY NOTES:

- 1. REUSE EXISTING CIRCUIT TO POWER NEW 200A ENCLOSED SHUNT TRIP CIRCUIT BREAKER.
- 2. PROVIDE NEW RACEWAY AND CONDUCTORS TO ELEVATOR CONTROLLER.
- 3. NEW 120V DISCONNECT FOR ELEVATOR CAB LIGHTING. RE-USE EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- 4. NEW GFI RECEPTACLES. RE-USE EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- 5. CONTRACTOR TO PROVIDE 30A NEMA3R DISCONNECT FED BY (2) 10 AWG, (1) 10 AWG EGC IN 3/4" CONDUIT.
- 6. NEW MOTOR RATED SWITCH FOR INDOOR FAN UNIT. OUTDOOR UNIT FEEDS INDOOR UNIT.
- 7. NEW LED LIGHT FIXTURES. RE-USE EXISTING CIRCUIT MAINTAINED DURING DEMOLITION.
- 8. DEMOLISH AND REPLACE PIT LIGHTING AND SWITCH WITH NEW SWITCH AND LED WET RATED LIGHT FIXTURES. COORDINATE LOCATION SO FIXTURE DOES NOT INTERFERE WITH THE OPERATION OF THE ELEVATOR NOR HINDER ACCESS TO THE PIT. RE-USE EXISTING CIRCUIT.
- 9. DEMOLISH AND REPLACE EXISTING RECEPTACLES WITH NEW GFI RECEPTACLES. RE-USE EXISTING CIRCUIT.
- 10. PROVIDE NEW DOME CAMERA (3.1 MEGAPIXEL) IN ELEVATOR CAB AND CONNECT TO THE EXISTING SSTV SYSTEM USING 4 PR CAT 6 CABLE.
- 11. PROVIDE NEW DOME CAMERA (3.1 MEGAPIXEL) AND CONNECT TO THE EXISTING SSTV SYSTEM USING 4 PR CAT 6 CABLE.
- 12. EXISTING FIRE ALARM DEVICE TO REMAIN.
- 13. PROVIDE NEW HEAT DETECTOR MOUNTED AT TOP OF ELEVATOR SHAFT. CONNECT BACK TO EXISTING FIRE ALARM SYSTEM.
- 14. PROVIDE NEW SMOKE AND HEAT DETECTOR IN ELEVATOR PIT. MOUNT TO ELEVATOR SHAFT WALL.
- 15. PROVIDE 20A, 120V GFI RECEPTACLE FOR SUMP PUMP. CIRCUIT TO EXISTING PANEL FEEDING THE PIT RECEPTACLES.
- 16. PROVIDE WATER SENSOR IN SUMP PIT ALONG WITH LOCAL AUDIBLE ALARM. REFERENCE MECHANICAL SHEETS FOR ADDITIONAL INFORMATION.
- 17. RUN (2) CAT 6A CABLES FROM NEW ELEVATOR CONTROLS CABINET TO COMMUNICATION CLOSET 13-400.

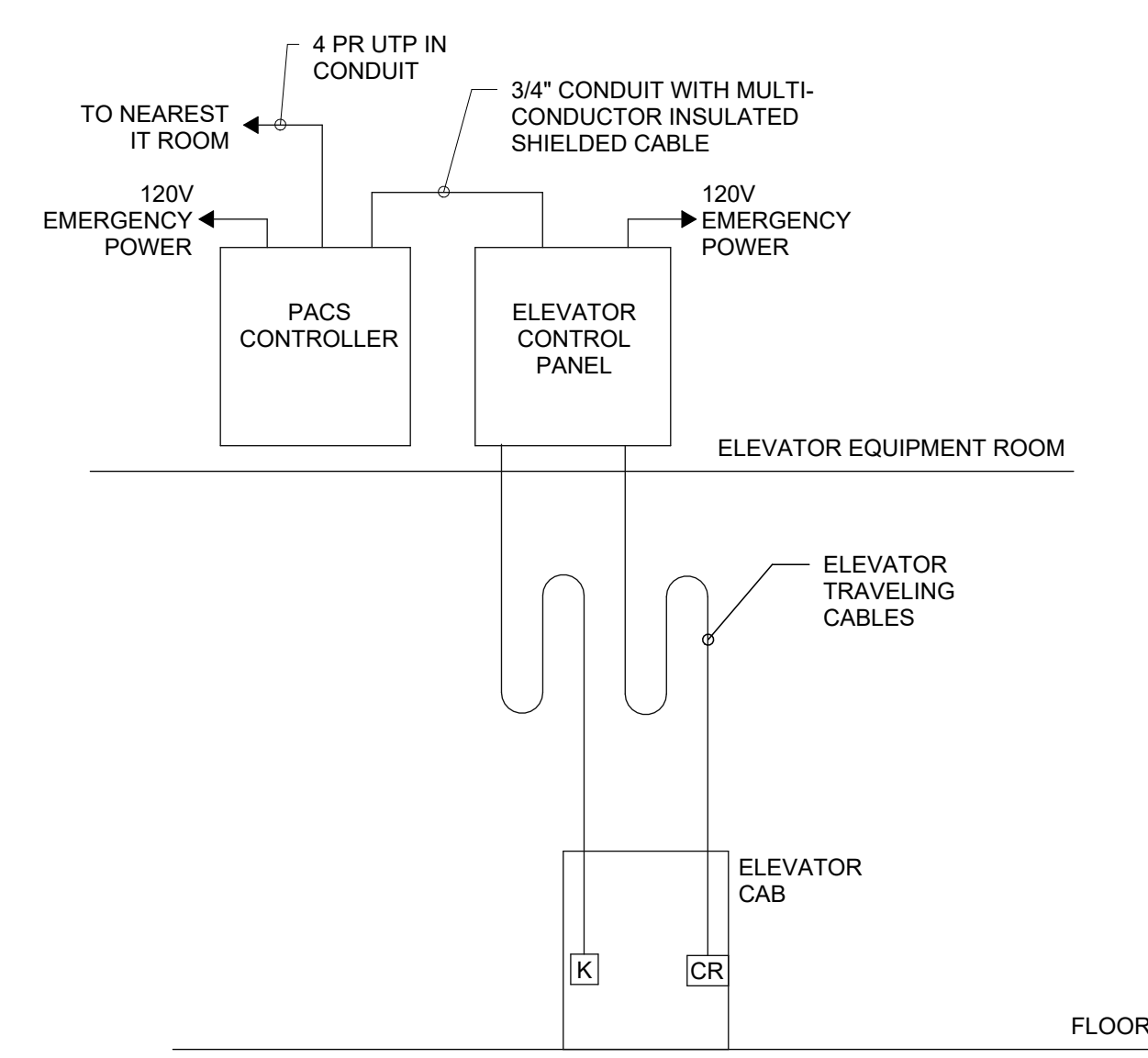
KEY PLAN



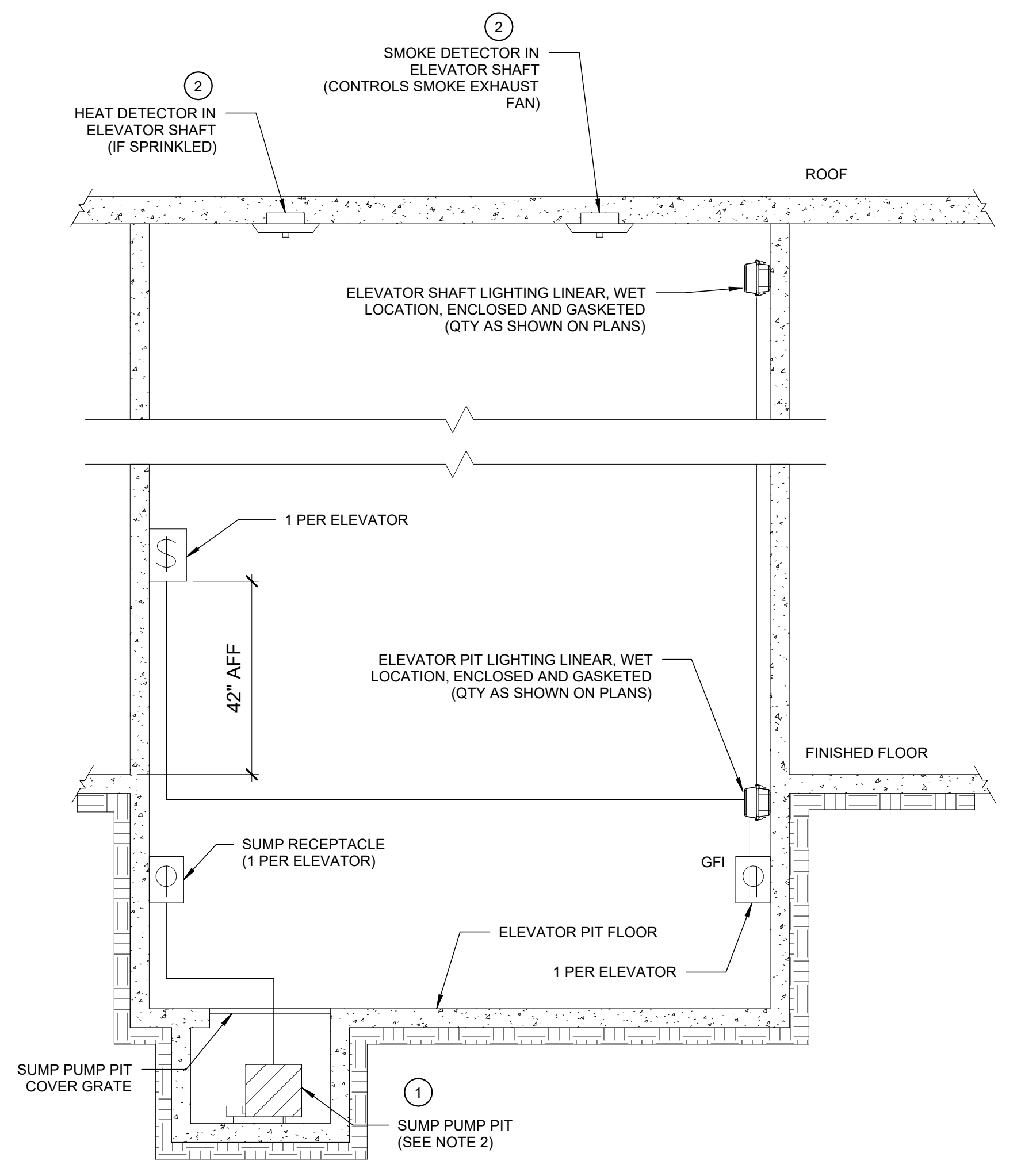
FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

CONSULTANTS:			PROJECT MANAGER		Office of Construction and Facilities Management		Drawing Title BLDG 7 - ELEV S1 PLANS		Project Title UPGRADE ELEVATORS PH2		VA PROJECT NUMBER 561-21-301	
			Headquarters: Apogee Consulting Group, P.A. 1151 Kildaire Farm Road, Suite 120 Cary, North Carolina 27511		U.S. Department of Veterans Affairs		Location NEW JERSEY VA MEDICAL CENTER - EAST ORANGE CAMPUS 385 TREMONT AVE EAST ORANGE, NJ 07018		Approved		Building Number # 7	
			www.acg-pa.com		619-858-7420		Date MAY 14, 2025		Checked KTK		Drawing Number 7.E101	
							Drawn PDN				Dwg 15 of 18	

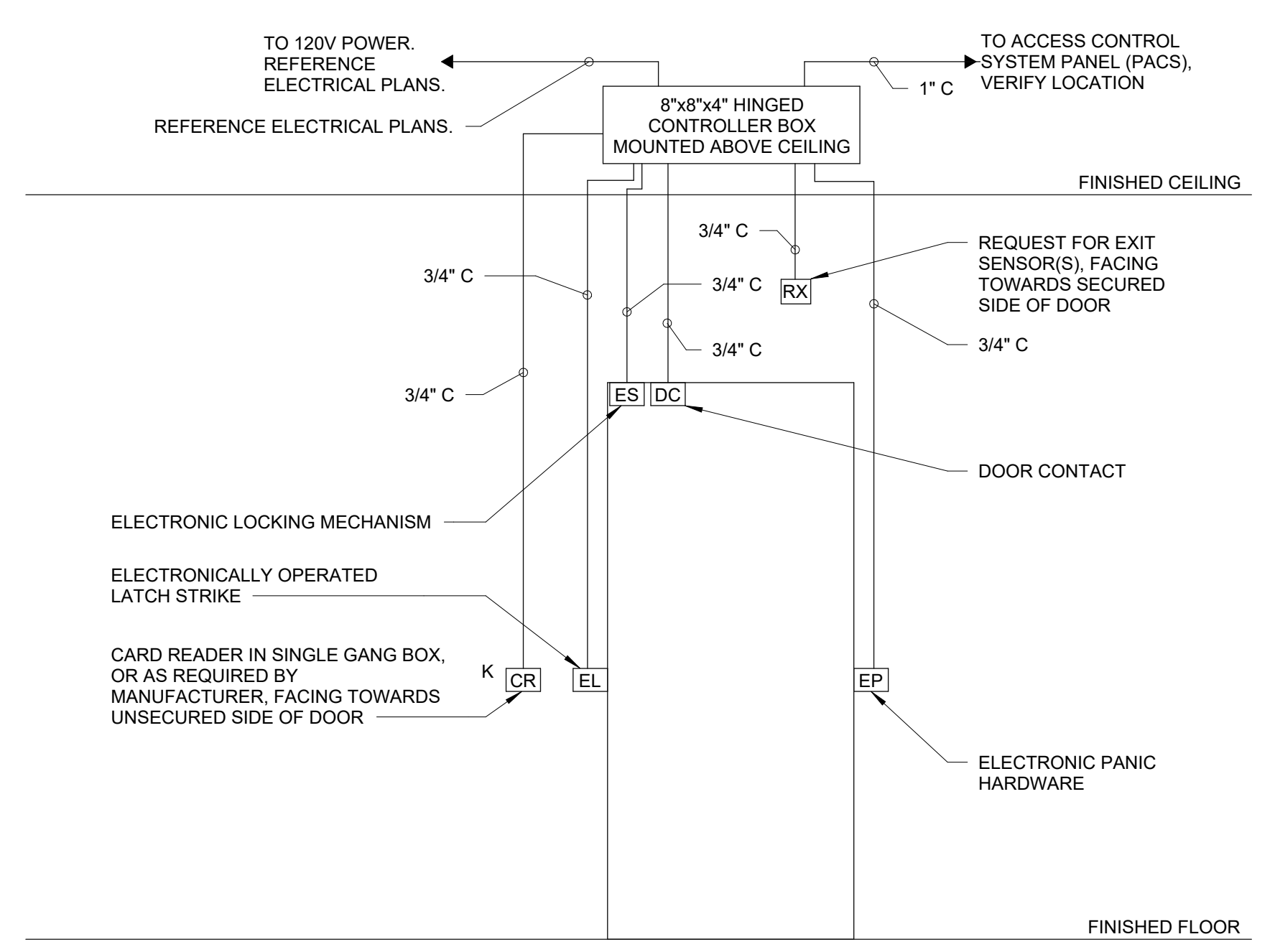


3 PACS WITH ELEVATORS DETAIL
Scale: No Scale



- NOTES:**
1. IN CASE OF A FIRE ALARM THE ELEVATORS PRIMARY RECALL SHALL BE THE GROUND LEVEL AND THE SECONDARY RECALL SHALL BE THE SECOND LEVEL.
 2. SEE ARCHITECTURAL PLANS FOR EXACT FLOOR NAMES AND ADDITIONAL HOISTWAY AND PIT INFORMATION.

1 ELEVATOR PIT
Scale: No Scale

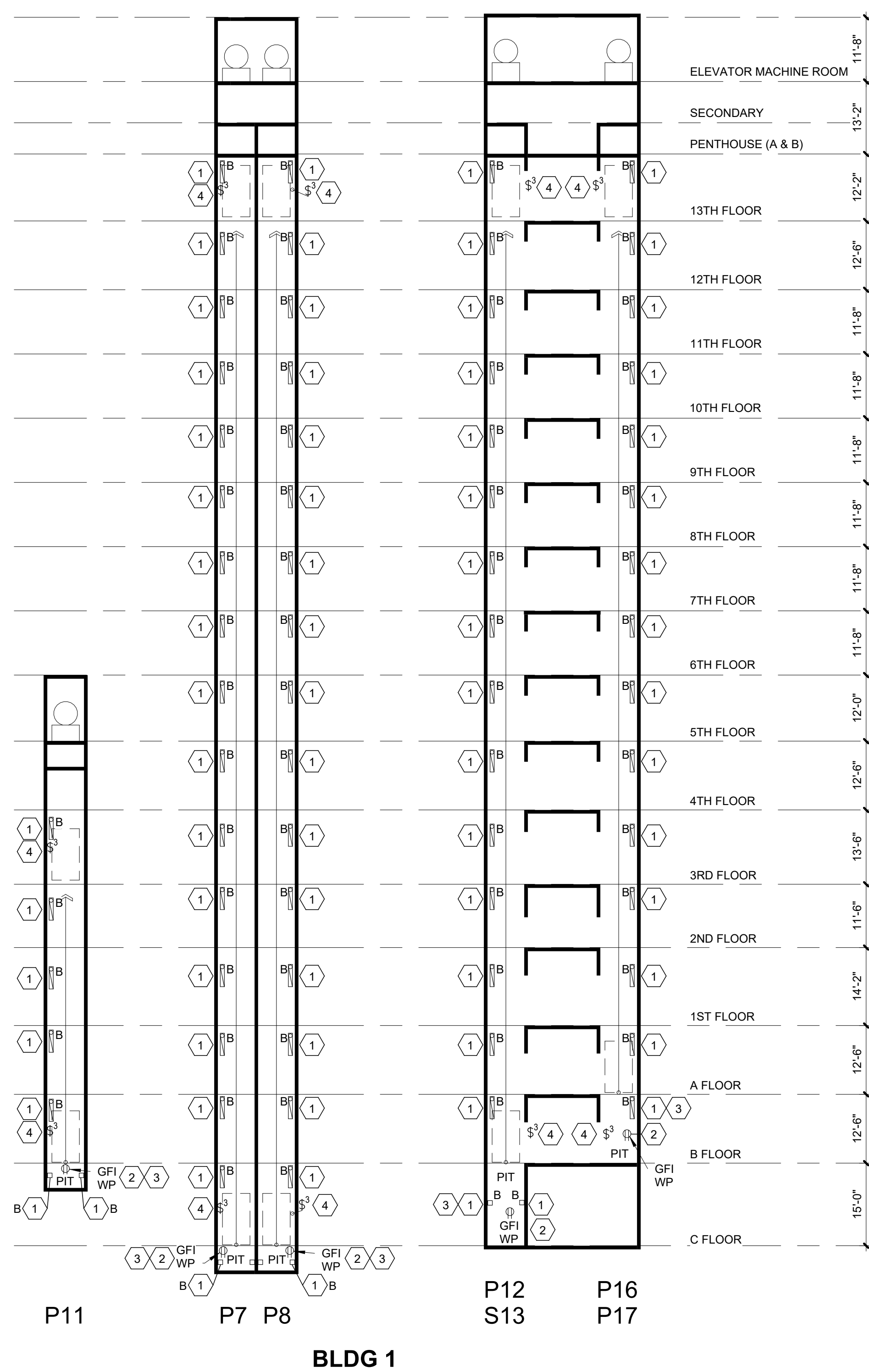


- DETAIL NOTES:**
- A. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, BOXES, AND SUPPORTS. COORDINATE AND VERIFY LOCATIONS WITH THE VA.
 - B. PROVIDE CABLING PER MANUFACTURER'S RECOMMENDATION.
 - C. COORDINATE PER ARCHITECTURAL PLANS & DOOR HARDWARE SCHEDULE. INDICATED AS GENERAL. PROVIDE AS INDICATED ON PLANS.

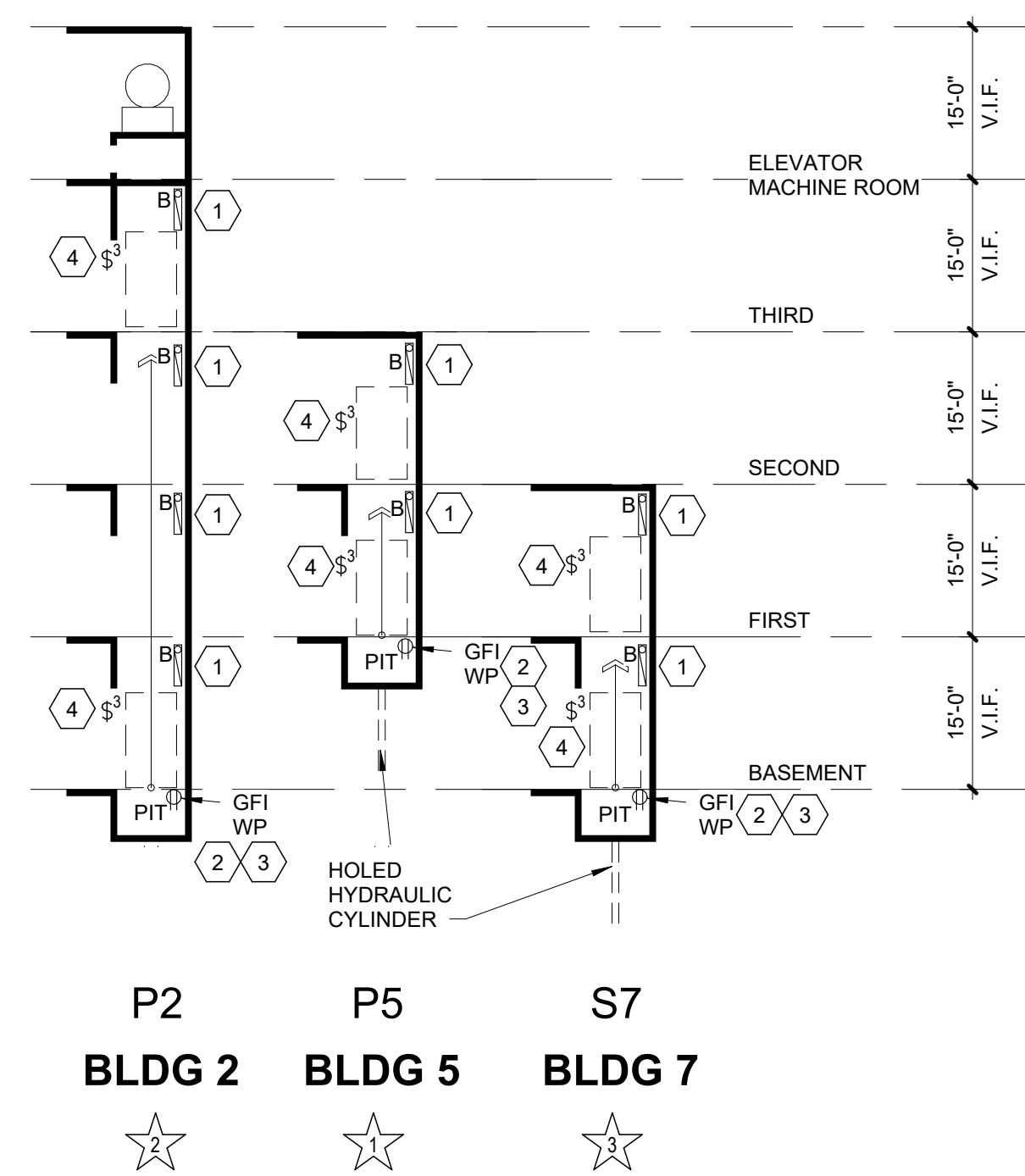
2 SINGLE DOOR CARD ACCESS - PANIC HARDWARE
Scale: No Scale

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100% CONSTRUCTION DOCUMENTS

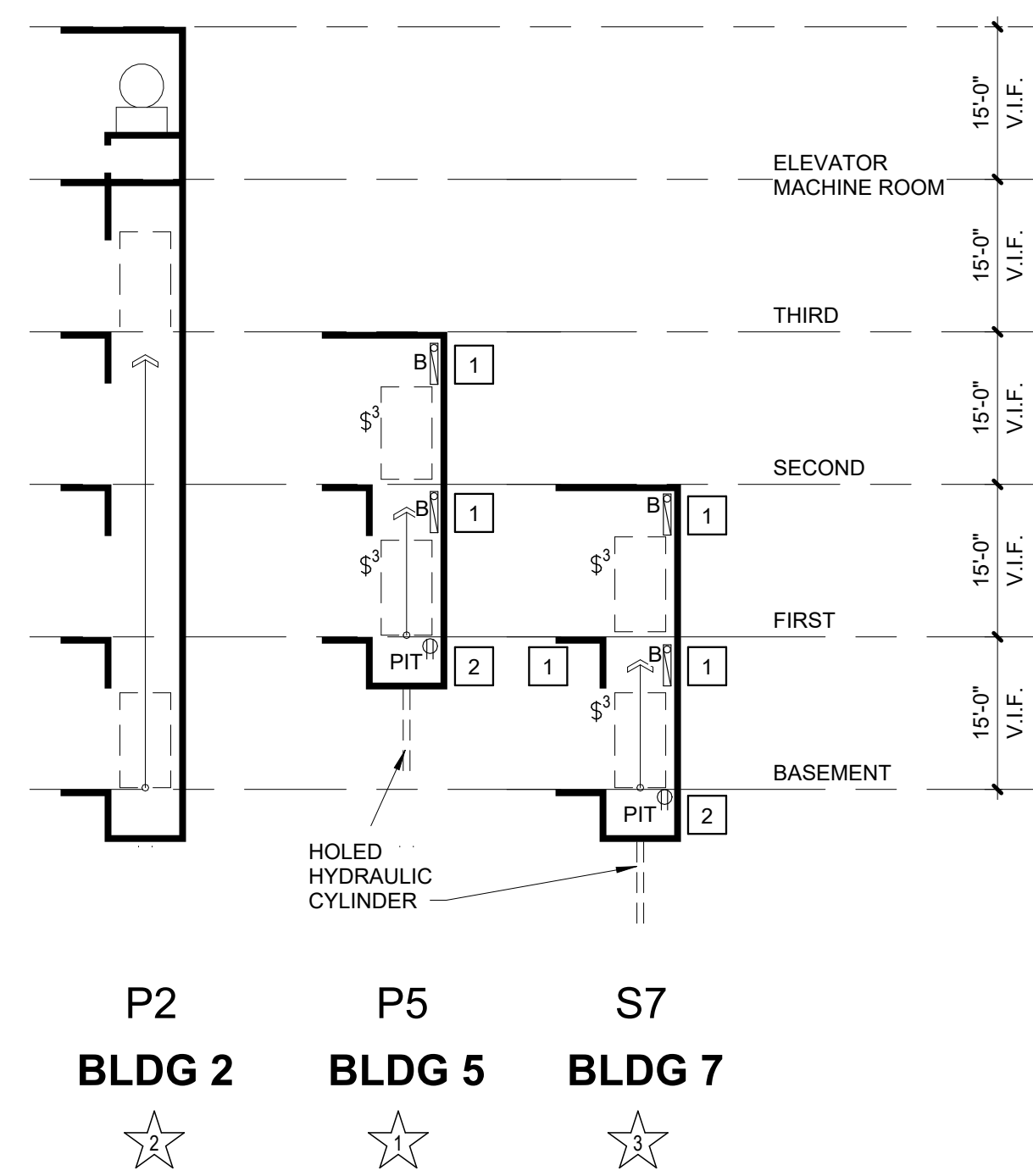
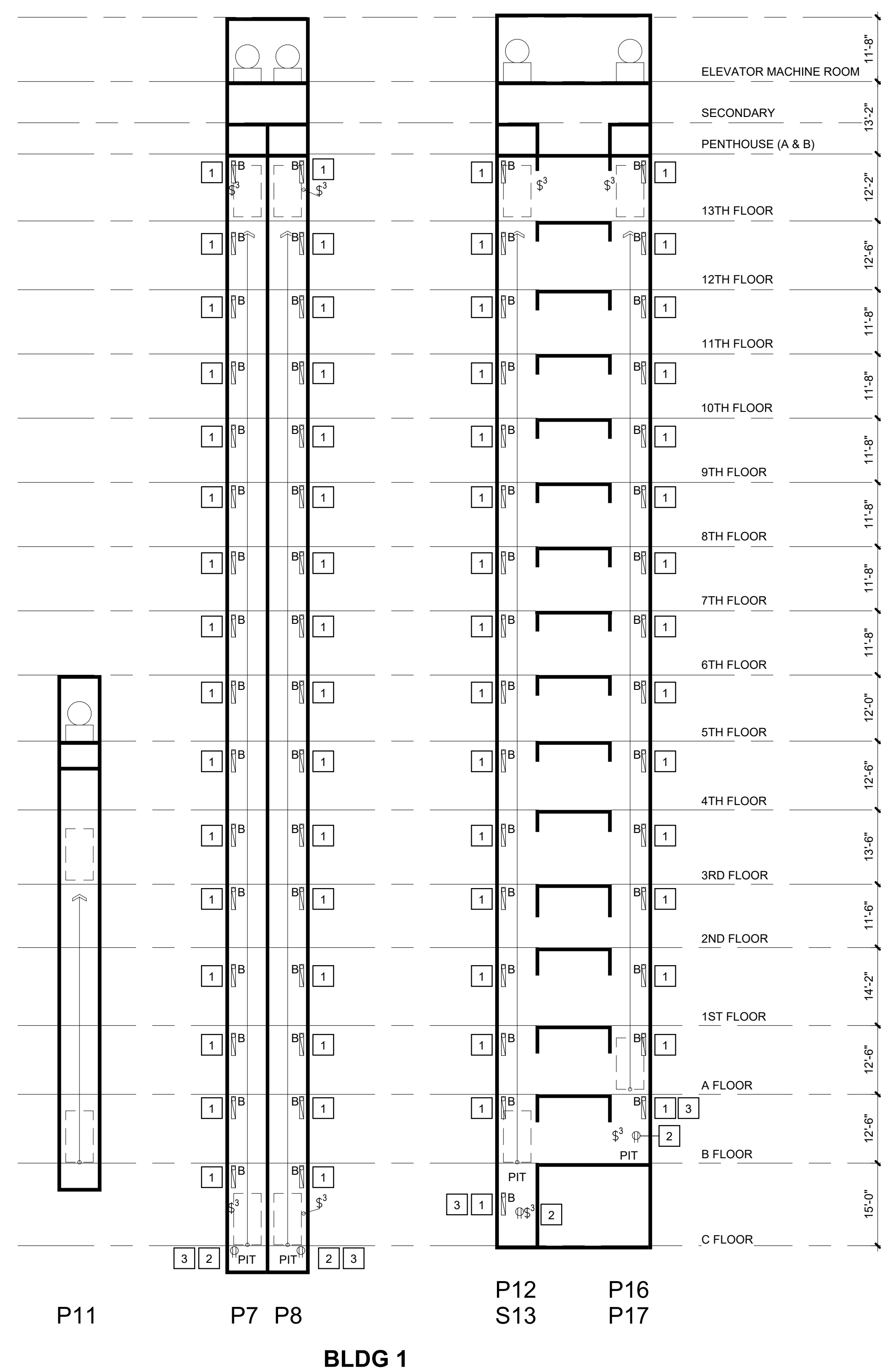
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2 ELEVATORS - SCHEMATIC SECTIONS NEW
Scale: No Scale



1 ELEVATORS - SCHEMATIC SECTIONS DEMOLITION
Scale: No Scale



 KEY NOTES:

- A. IN PASSENGER ELEVATOR SHAFTS, ONE HOISTWAY LIGHT SHALL BE ADDED AT EACH LEVEL, FOR EACH ELEVATOR CAB. IF MULTIPLE ELEVATORS SHARE A SHAFT THERE WILL BE MULTIPLE LIGHTS AT EACH LEVEL OF THE HOISTWAY.
- B. ONLY ONE BANK OF ELEVATORS TO BE DOWN AT A TIME AND ALL WORK ASSOCIATED WITH THE ELEVATOR IS TO BE COMPLETED BEFORE MOVING TO THE NEXT ELEVATOR BANK.

- 1 REMOVE EXISTING HOISTWAY LIGHTING AND RETAIN CIRCUITING.
- 2 REMOVE EXISTING CONVENIENCE OUTLET AND RETAIN CIRCUITING.
- 3 REMOVE EXISTING PIT LIGHTS AND RETAIN EXISTING CIRCUITING.

KEY NOTES:

- 1 INSTALL ONE (1) TYPE B FIXTURE IN THE HOISTWAY FOR EACH ELEVATOR CAB, ON EACH LEVEL. COORDINATE LOCATION WITH ELEVATOR GUIDANCES. MAINTAIN CIRCUITING AND CONTROL.
- 2 REPLACE EXISTING CONVENIENCE OUTLET IN EACH ELEVATOR PIT WITH GFI TYPE. MAINTAIN EXISTING CIRCUITING.
- 3 INSTALL NEW LED FIXTURES IN EACH ELEVATOR PIT CIRCUITED TO THE EXISTING CIRCUIT AND CONTROL.
- 4 INSTALL 3-WAY SWITCH IN PIT AND AT TOP FLOOR, ACCESSIBLE FROM FLOOR, FOR SHAFT AND PIT LIGHTING.

FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

[illegible]

PANEL: PHA-EMP (NEW)		VOLTAGE: 120/208V, 3PH, 4W				MAINS:				400 A MAIN CB				AIC: 10,000 AMPS SYMMETRICAL					
		MOUNTING: SURFACE				FED FROM:				LOCATION:				EXISTING/NEW: New Construction					
		ENCLOSURE: NEMA 1				BRANCH:													
LOAD NAME		BKR	P	CKT	A (kVA)	B (kVA)	C (kVA)	CKT	P	BKR	LOAD NAME								
ELEVATOR 7		200	A	3	1	0	0			2	3	100 A 25KVA XFMR (PANEL PHA-EP-1)							
				3		0	0			4									
				5						6									
				7	0	--				8									
ELEVATOR 8		200	A	3	9		0	--		10	3	--	SPACE						
				11				0	--	12									
SPACE		--	3	13	--	--				14	3	--	SPACE						
				15			--	--		16									
				17				--	--	18									
				19	--	--				20									
SPACE		--	3	21			--	--		22	3	--	SPACE						
				23					--	24									
				25	--	--				26									
SPACE		--	3	27			--	--		28	3	--	SPACE						
				29					--	30									
				31	--	--				32									
SPACE		--	3	33			--	--		34	3	--	SPACE						
				35					--	36									
PER PHASE CONNECTED LOAD:					0.00 kVA	0.00 kVA	0.00 kVA												
LOAD SUMMARY		CONNECTED LOAD		DEMAND FACTOR		DEMAND LOAD		TOTALS											