

ADDENDUM



Date: November 14, 2023

Project: Craft State Office Building 1 HVAC
– 200 South Silber Avenue, North
Platte, NE, 69101

To:

Project No.: 23059

Addendum No.: 1

CC:

CHANGES TO PROJECT MANUAL

Dates were corrected in Section 00 11 13 – Notice to Bidders

CHANGES TO PROJECT DRAWINGS

Architectural – See attached sheets for more information.

1. **A1.1 – Demolition Plans**
 - a. This sheet was revised.
2. **A1.2 – Renovation Plans**
 - a. This sheet was revised.

Structural – See attached sheets for more information.

3. **S1.1 – Floor Plans & Details**
 - a. This sheet was revised.
4. **S1.2 – Alternate #1 Floor Plan**
 - a. This sheet was added.

Mechanical – See attached sheets for more information.

1. **T0.0 – Title Sheet**
 - a. Several notes we added to the "Overall Project Phasing Schedule."
 - b. Outlined alternative and base bid proposed by structural.
 - c. Added sheet to Structural Sheet list.
2. **M1.1 - GROUND & FIRST FLOOR PLAN - MECHANICAL**
 - a. Keynote 3 has been revised to specify relocating the (E)MSCU.
 - b. Keynote 4 has been revised to specify the removal of the existing refrigerant and humidity drain piping.
3. **M1.2 – Second and Third Floor Plan – Mechanical**
 - a. Keynote 3 has been revised to specify the addition of the Roof Hydrant.
 - b. keynote 4 has been revised to specify new location of (E)MSCU.
 - c. Keynote 5 has been revised to specify refrigerant piping from new location of (E)MS to new location of (E)MSCU.
4. **M2.1 – Details & Schedules - Mechanical**
 - a. Plumbing fixture schedule and RH-1 have been added to this sheet.

Electrical – See attached sheets for more information.

1. **E1.1 – GROUND & FIRST FLOOR PLAN – ELECTRICAL**
 - a. Keynote #12 has been added to specify relocating existing MSCU.
2. **E1.2 – SECOND AND THIRD FLOOR PLAN – ELECTRICAL**
 - a. Keynote #13 has been added to specify the new location of existing MSCU.

By:
Spencer Gemmell, Scott Evans

Date:
November 14, 2023

SIGN-IN SHEET



Craft State Office Building – Elevator Replacement Pre-Bid Meeting

Date Time

Name (Please Print)	Representing	Contact Information
Kyle Wilkinson	AES	Phone #: 402-488-0075 Email: Kyle.Wilkinson@a-e-sys.com
Brandon Braunsroth	AES	Phone #: 402-488-0075 Email: Brandon.Braunsroth@a-e-sys.com
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Todd Morrison	SNELL SERVICES	Phone #: 308-532-6870 Email: tmorrison@snellservices.com
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ED SZYMANSKI	SBD	Phone #: 308-224-5892 Email: EDWARD.SZYMANSKI@NEBRASKA.GOV
MATT SHAW VIA PHONE	SBD	Phone #: Email:
		Phone #: Email:
		Phone #: Email:
		Phone #: Email:

SECTION 00 41 13

BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.01 BID INFORMATION

- A. Project Name: Craft State Office Building 1 Elevator Upgrade
- B. Project Location: 200 South Silber Avenue North Platte, NE 69101
- C. Owner: State of Nebraska, Department of Administrative Services
- D. Architect/ Engineer: Advanced Engineering Systems
- E. Architect/ Engineer Project Number: 23059

1.02 AGREEMENT

- A. The undersigned, being familiar with local conditions affecting the cost of the work, and the Proposed Contract Documents, including the full set of project specifications, hereby proposes to furnish all plant, equipment, transportation, materials, tools, labor and skills necessary and required to perform all work as described in the Proposed Contract Documents titled above.

1.03 BID GUARANTEE

- A. Bidder will execute a contract within 10 days after Notice of Award, if offered 60 days, or forfeit bid bond of five percent (5%).

1.04 Bidders shall acknowledge the receipt of any and all addenda issued and have included all modifications below:

- A. The following addendums have been received and included: _____, _____, _____, _____

1.05 BID AMOUNTS

- A. The base bid price is: _____ (\$_____)
- B. The Alternate A-1 price is (Deduct / Add) : _____ (\$_____)
- C.

1.06 TIME OF COMPLETION

- A. Bidder agrees to complete the Work within _____ (_____) calendar days for Base Bid scope of work.
- B. Bidder agrees to complete the Work within _____ (_____) calendar days for scope of work including Alternate A-1.

1.07 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, _____
- B. Submitted By: _____(Name of bidding firm or corporation)
- C. Authorized Signature: _____(Handwritten signature)
- D. Signed By: _____(Type or print name)
- E. Title: _____(Owner/Partner/President/Vice President)
- F. Witnessed By: _____(Handwritten signature)
- G. Attest: _____(Handwritten signature)
- H. By: _____(Type or print name)
- I. Title: _____(Corporate Secretary or Assistant Secretary)
- J. Street Address: _____
- K. City, State, Zip: _____
- L. Phone: _____
- M. License No.: _____
- N. Federal ID No.: _____(Affix Corporate Seal Here)

END OF DOCUMENT 00 41 13

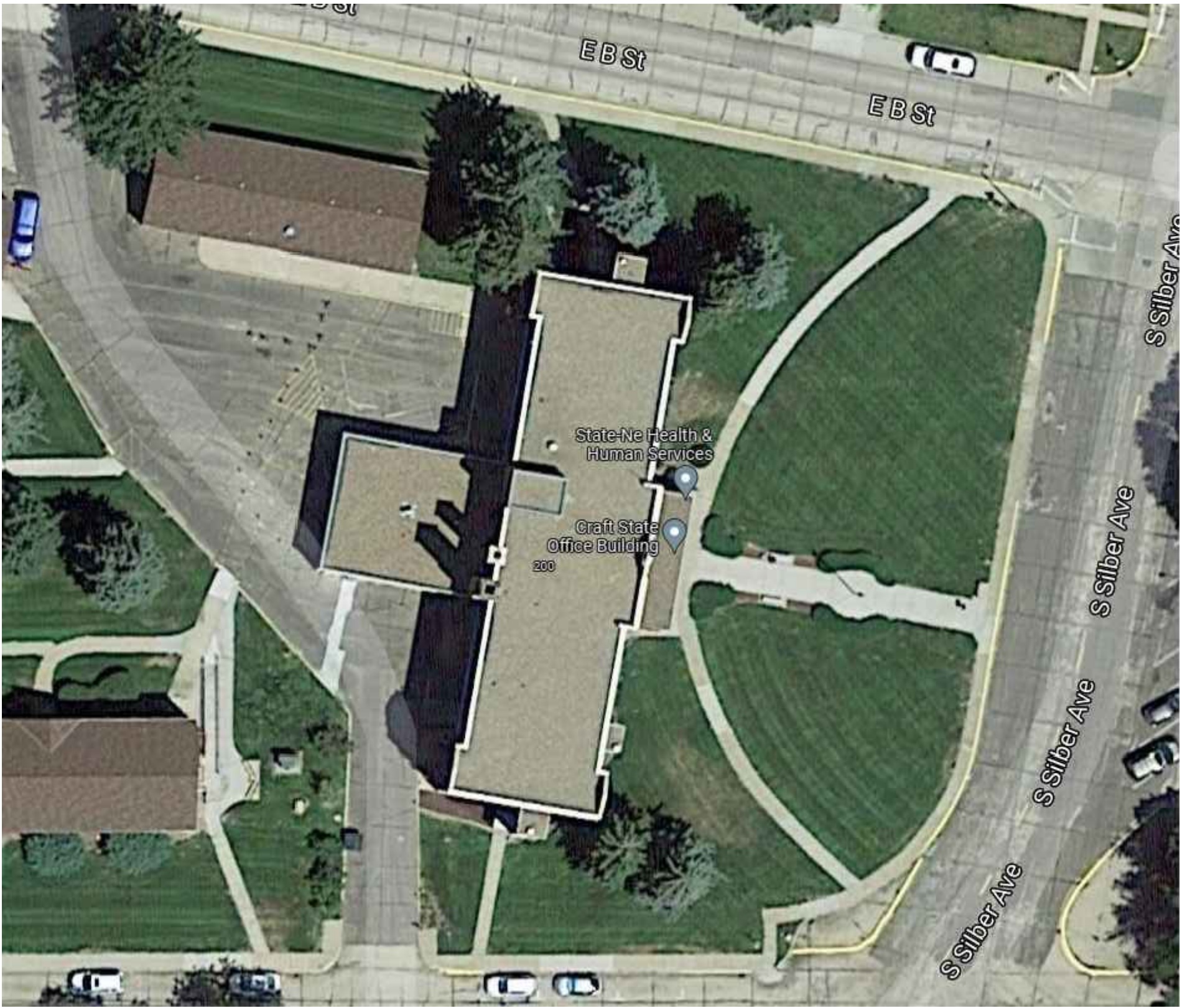
CRAFT STATE OFFICE BUILDING 1

ELEVATOR UPGRADE PROJECT

NORTH PLATTE, NEBRASKA

CONSTRUCTION DOCUMENTS: 10-26-2023

PROJECT LOCATION



NOTE:
ALL CONTRACTORS AND SUB-CONTRACTORS SHALL READ AND REVIEW ALL SHEETS FOR THE EXTENTS OF THEIR RESPECTIVE WORK. EACH CONTRACTOR'S WORK MAY SHOW UP ON SHEETS OTHER THAN THEIR NAMED SHEETS. THIS PROJECT CONTAINS BOOK SPECIFICATIONS. ALL CONTRACTORS ARE RESPONSIBLE FOR MEETING ALL REQUIREMENT OUTLINED.

ALTERNATES

- BASE BID
 - (2) 4"Ø CORE DRILLS OF THE EXISTING SLAB
 - DEMOLITION OF BASEMENT WALLS AND SLAB, UNDERPINNING, SHORING, NEW SLAB, AND WALLS AS SHOWN ON SHEET S11
- ALTERNATE: A-1
 - REDUCT: DEMOLITION, UNDERPINNING, SHORING, NEW WALLS AND NEW SLAB AT BASEMENT LEVEL
 - ADD GRINDING OF EXISTING PIT SLAB DOWN 1 1/2' CUT IN NEW SUMP PIT, INFILL EXISTING OPENING AT BASEMENT LEVEL, DEMOLITION FOR NEW ELEVATOR OPENING AT BASEMENT LEVEL, INFILL OF ROUGH OPENING AFTER ELEVATOR IS INSTALLED, PATCH AND REPAIR OF (Ø) CORE DRILL

STRUCTURAL

CA-1478



ARCHITECTURAL



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MECHANICAL/ELECTRICAL



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WWW.AES-NE.COM PROJECT # 23-059

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COORDINATING PROFESSIONAL



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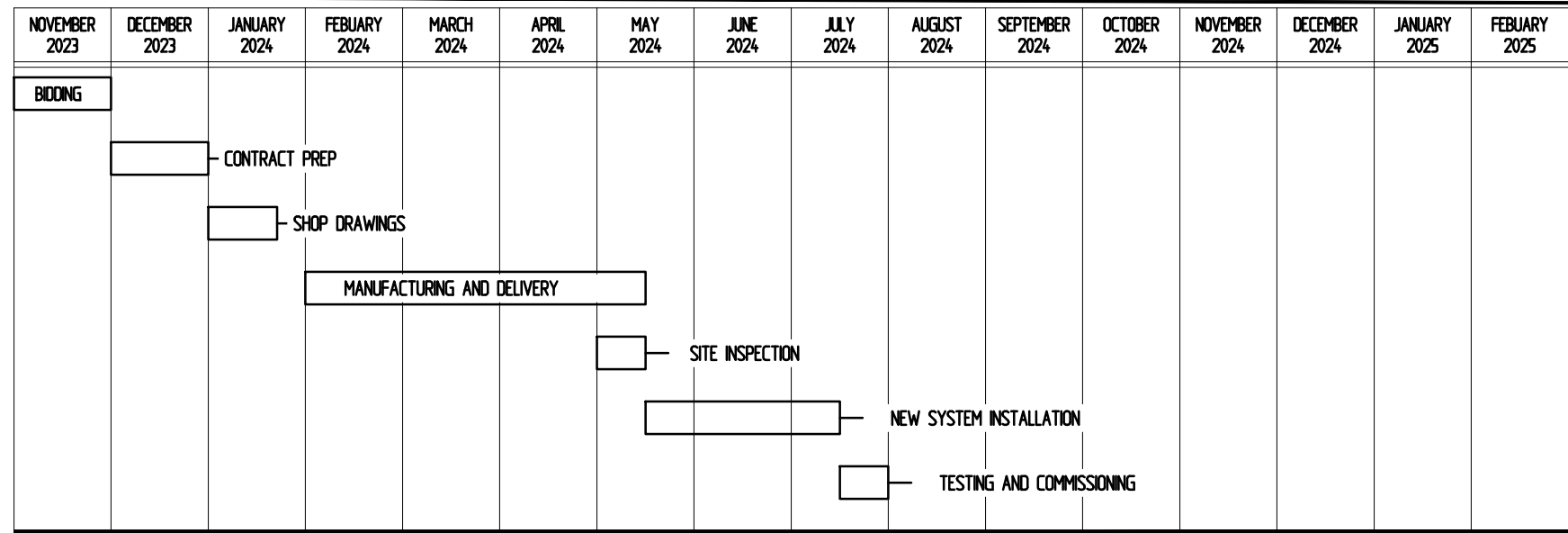
I, KYLE WILKINSON, AM THE
COORDINATING PROFESSIONAL
ON THE CRAFT STATE OFFICE
BUILDING 1 ELEVATOR
UPGRADE PROJECT



SHEET SCHEDULES

T0.0	TITLE SHEET
STRUCTURAL	
S0.1	STRUCTURAL NOTES
S11	FLOOR PLANS & DETAILS
S12	ALTERNATE #1 FLOOR PLAN
ARCHITECTURAL	
A10	ARCHITECTURAL NOTES AND SPECIFICATIONS
A11	DEMOLITION PLANS
A12	RENOVATION PLANS
A13	SCHEMATIC ELEVATOR DETAILS
MECHANICAL	
M0.0	GENERAL PROJECT NOTES & SYMBOLS - MECHANICAL
M11	GROUND & FIRST FLOOR PLAN - MECHANICAL
M12	SECOND AND THIRD FLOOR PLAN - MECHANICAL
M21	DETAILS & SCHEDULES - MECHANICAL
ELECTRICAL	
E0.0	ELECTRICAL GENERAL NOTES & SYMBOLS
E11	GROUND & FIRST FLOOR PLANS - ELECTRICAL
E12	SECOND AND THIRD FLOOR PLANS - ELECTRICAL
E21	SCHEDULES - ELECTRICAL
E31	ELECTRICAL ONE-LINE DIAGRAM

OVERALL PROJECT PHASING SCHEDULE



NOTES:
EXISTING SYSTEM SHALL REMAIN OPERATIONAL UNTIL A MINIMIZED SHUTDOWN AND SWITCH OVER IS COMPLETE AND NEW SYSTEMS OPERATIONAL. COORDINATE CLOSELY WITH OWNER FOR EXACT TIMES AND DURATIONS. SHUTDOWNS TO BE DONE OVER EXTENDED WEEKENDS.

- NOTE:**
NORMAL OPERATING TIMES AT THIS FACILITY ARE FROM 8:00 AM TO 5:00 PM MONDAY THROUGH FRIDAY. GENERAL CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH OWNER AT WEEKLY MEETINGS DURING THE ENTIRE CONSTRUCTION PERIOD. FACILITY TO BE CLOSED ON FEDERAL HOLIDAYS. ALL WORK SHALL BE COORDINATED WITH THE FACILITY DIRECTOR AT LEAST 1 WEEK PRIOR TO COMMENCING ACTIVITY IN ANY PARTICULAR AREA.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING INFORMATION ON ALL CONTRACTORS AND SUB-CONTRACTOR INFORMATION TO INCLUDE BUT NOT LIMITED TO: NAME, ADDRESS, AND DATE OF BIRTH TO THE STATE PATROL FOR BACKGROUND CHECK. GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY APPLICABLE FEE FOR BACKGROUND CHECK. GENERAL CONTRACTOR IS TO PROVIDE OWNER WITH STATE PATROL'S REPORT LISTING CONTRACTORS WHO HAVE PASSED THE BACKGROUND CHECK.
 - THIS IS A TOBACCO FREE FACILITY. CONSTRUCTION PROJECT EMPLOYEES MAY USE TOBACCO PRODUCTS ONLY IN THE DESIGNATED AREAS.
 - CONTRACTOR IS RESPONSIBLE FOR PROPER NOTIFICATION OF WORK THAT MAY AFFECT THE BUILDING OCCUPANTS; WORK INCLUDES, BUT NOT LIMITED TO, TEMPORARY BLOCKAGE OF EGRESS AND EXITS, DEACTIVATION OF FIRE ALARM AND/OR FIRE SUPPRESSION SYSTEM, OR ANY UTILITY INTERRUPTION.
 - CONTRACTOR IS RESPONSIBLE FOR INFORMING OWNER VIA HOT WORK (WELDING, BRAZING, SOLDERING PERMIT OF ALL HOT WORK BEING PERFORMED).
 - CONTRACTOR IS RESPONSIBLE FOR FILING OUT AND FILING ALL REQUIRED PERMITS AND PAPERWORK.
 - CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING CONDITIONS FOR EXACT SIZES AND LOCATIONS. ALL EXISTING CONDITIONS ARE SHOWN BASED ON VISIBLE EXISTING CONDITIONS AND ORIGINAL DESIGN DRAWINGS.
 - SYSTEM SHUT DOWNS SHALL BE COORDINATED WITH THE OWNER A MINIMUM 1 WEEK PRIOR TO ACTUAL SHUT DOWN. SHUTDOWNS WILL BE WEATHER DEPENDANT. SHUT DOWN AT THE END OF EACH PHASE SHALL BE AS SHORT AS POSSIBLE TO A MAXIMUM OF 2 DAYS. ALL EFFORTS SHALL BE MADE TO REDUCE THE LENGTH OF THE SHUTDOWN.
 - ALL PENETRATIONS NO MATTER THE FIRE RATING SHALL BE SEALED WITH FIRE CAULKING OR A FIRE RATED SLEEVE DEVICE PASS THRU.
 - CONTRACTOR SHALL WORK THROUGH EXISTING CEILING. CEILINGS SHOULD BE REMOVED AND REINSTALLED AS REQUIRED.
 - ANY DAMAGED CEILING COMPONENTS SHALL BE REPLACED TO MATCH EXISTING.
 - CONTRACTORS SHALL CHECK IN EVERYDAY WITH THE FACILITY AND COMPLY WITH FACILITY COVID 19 RELATED PROTOCOLS AND REQUIREMENTS. ALL REQUIREMENTS TO BE REVIEWED/COORDINATED WITH OWNER PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL PROVIDE THEIR OWN PPE.
 - NO CONSTRUCTION SHALL BEGIN BEFORE NEW ELEVATOR IS DELIVERED.
 - CONTRACTOR SHALL INSTALL TEMPORARY WALLS AROUND ELEVATOR CONSTRUCTION WITH LOCKABLE DOORS.
 - CONTRACTOR SHALL REMOVE EXISTING ELEVATOR AND ALL ASSOCIATED ACCESSORIES, SUPPORTS, AND EQUIPMENT. CONTRACTOR SHALL PATCH AND REPAIR WALLS AS REQUIRED.
 - ALL DEMOLISHED EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF.

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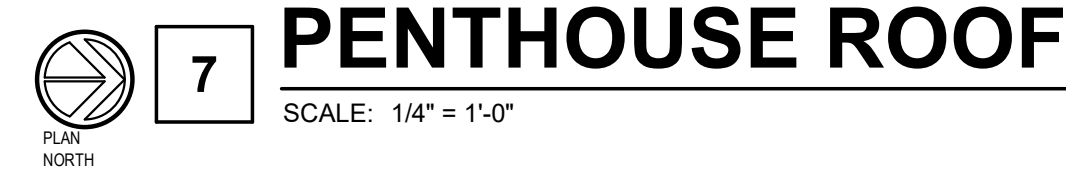
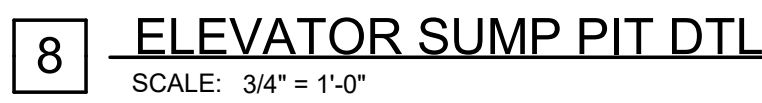
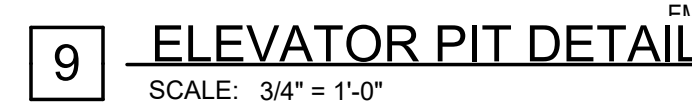
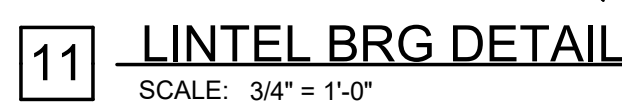
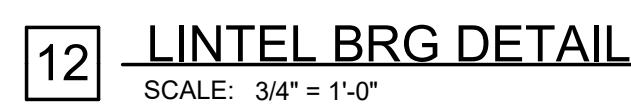
PROJECT #: 21-108

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ELEVATOR UPGRADE
200 SOUTH SILBER AVENUE
NORTH PLATTE, NE 69101**

CA-1478

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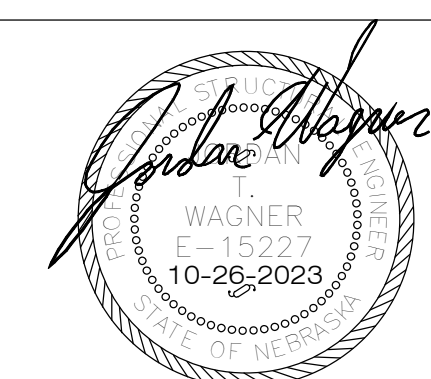
FLOOR PLANS & STRUCTURAL DETAILS



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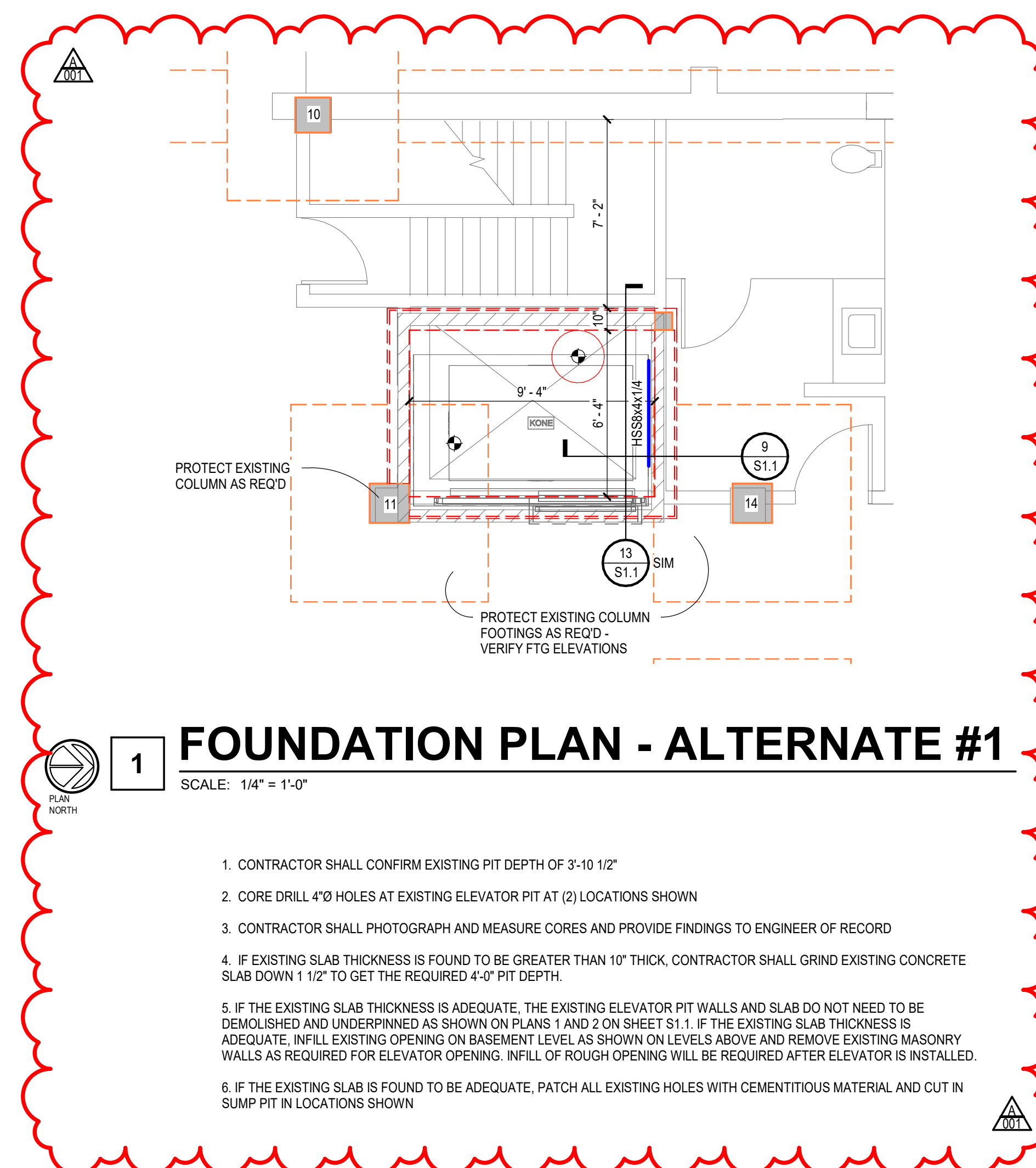


<u>Project Number</u>	
23-237	
<u>Date</u>	
10-26-2023	
<u>Revisions</u>	
#	Date
1	11-14-2023

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S1.2

ALTERNATE #1 FLOOR PLAN





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PROJECT #: 23-059

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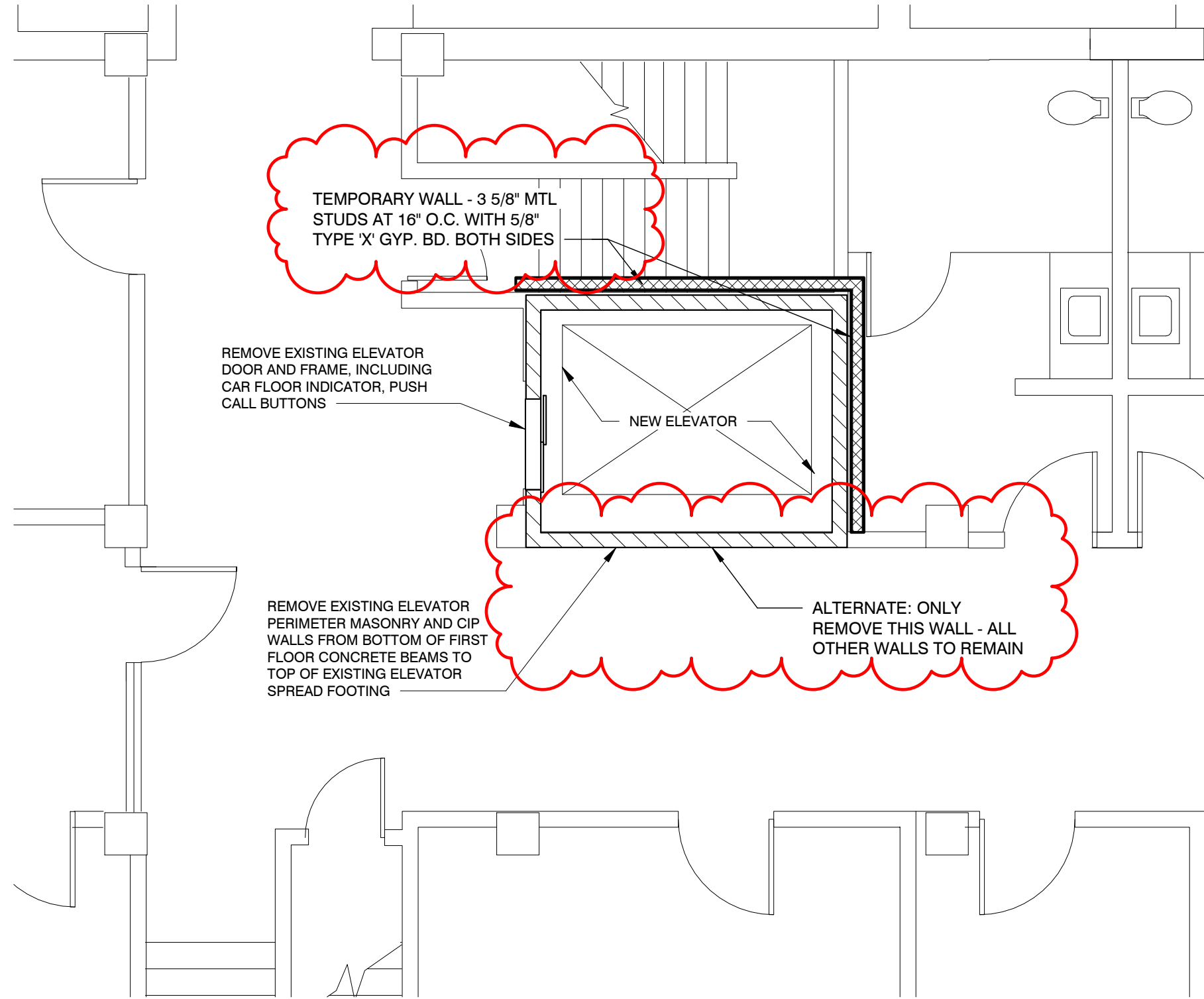


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Date	10-26-2023
Revisions	
#	Date
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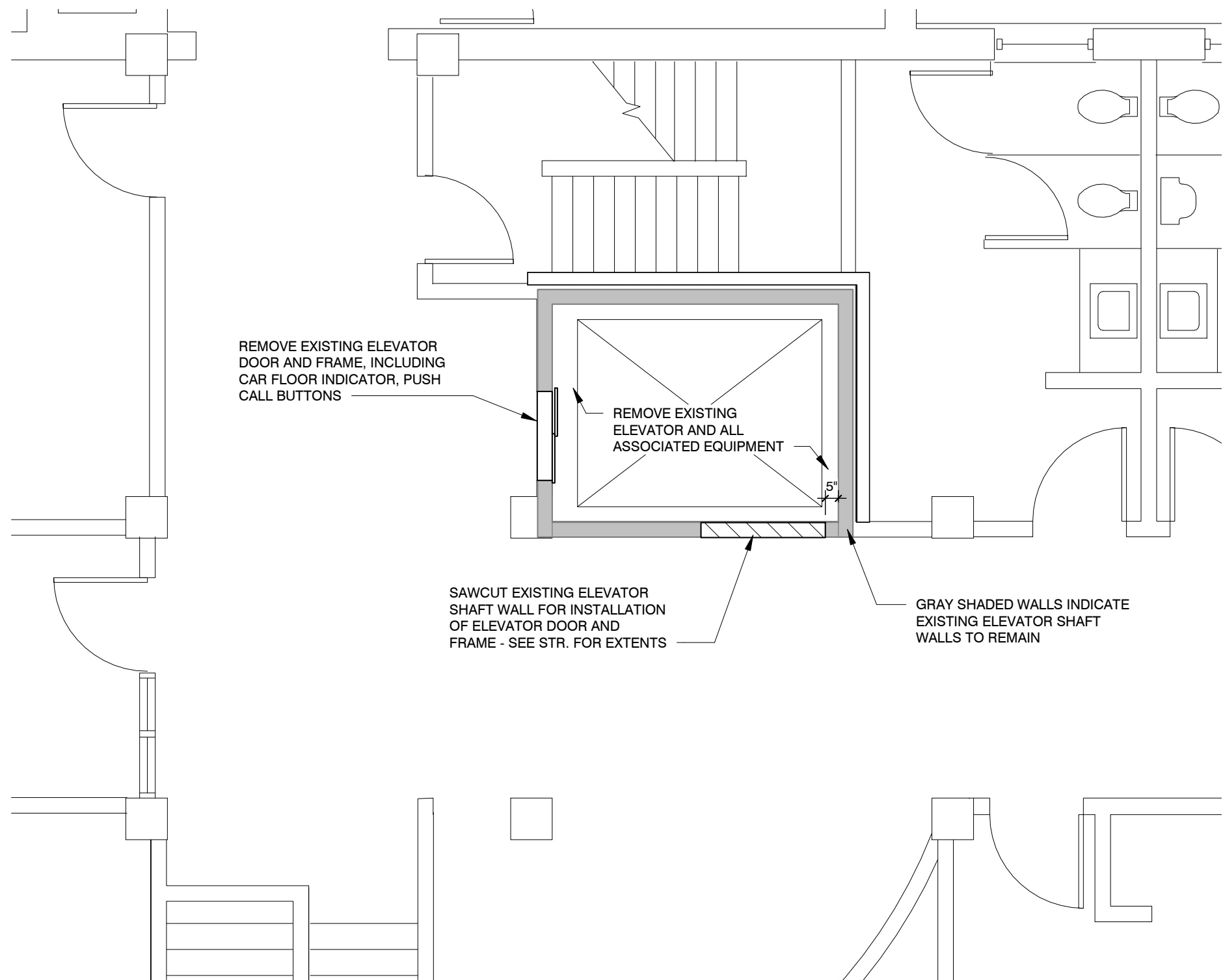
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A1.1

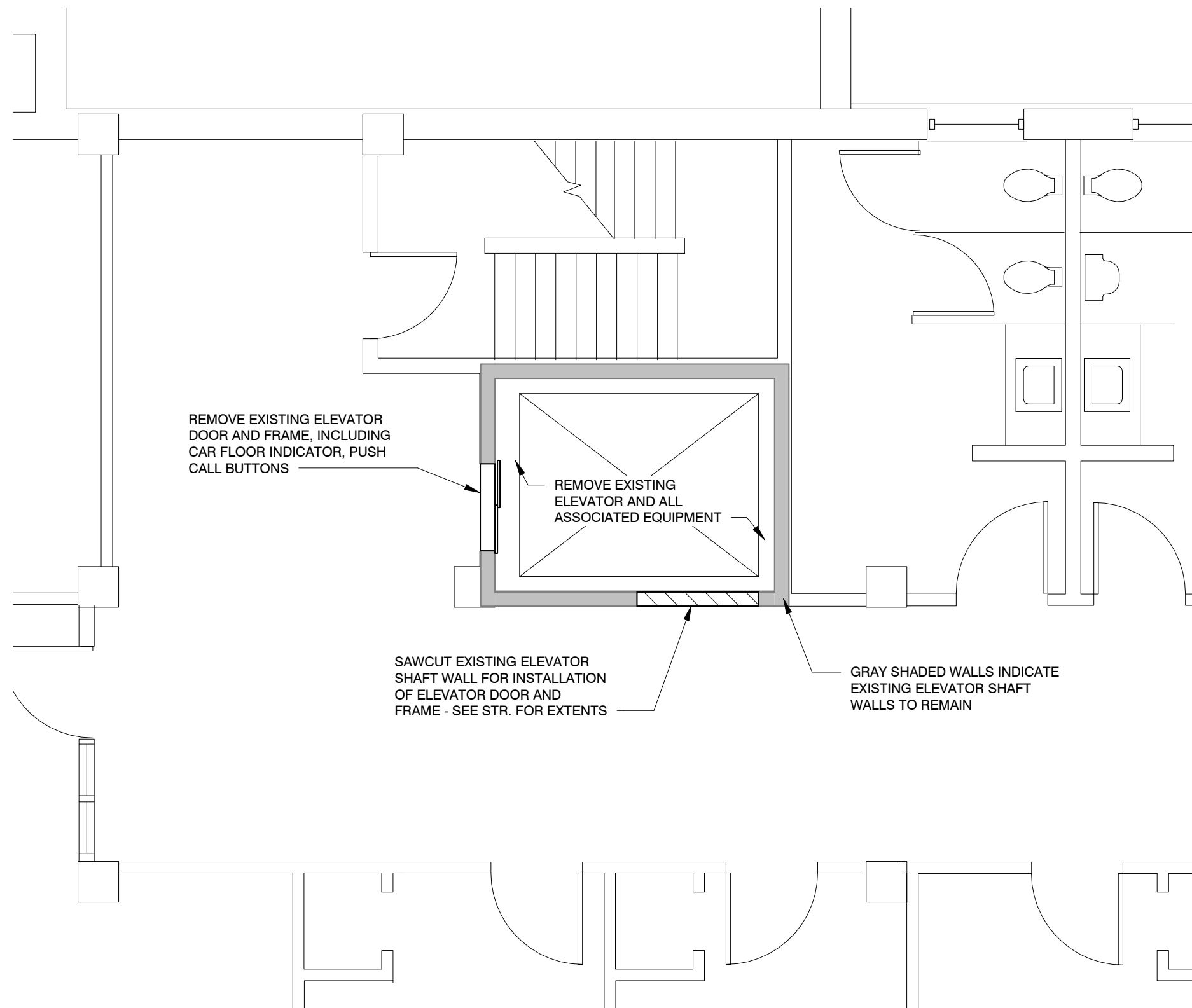
DEMOLITION PLANS



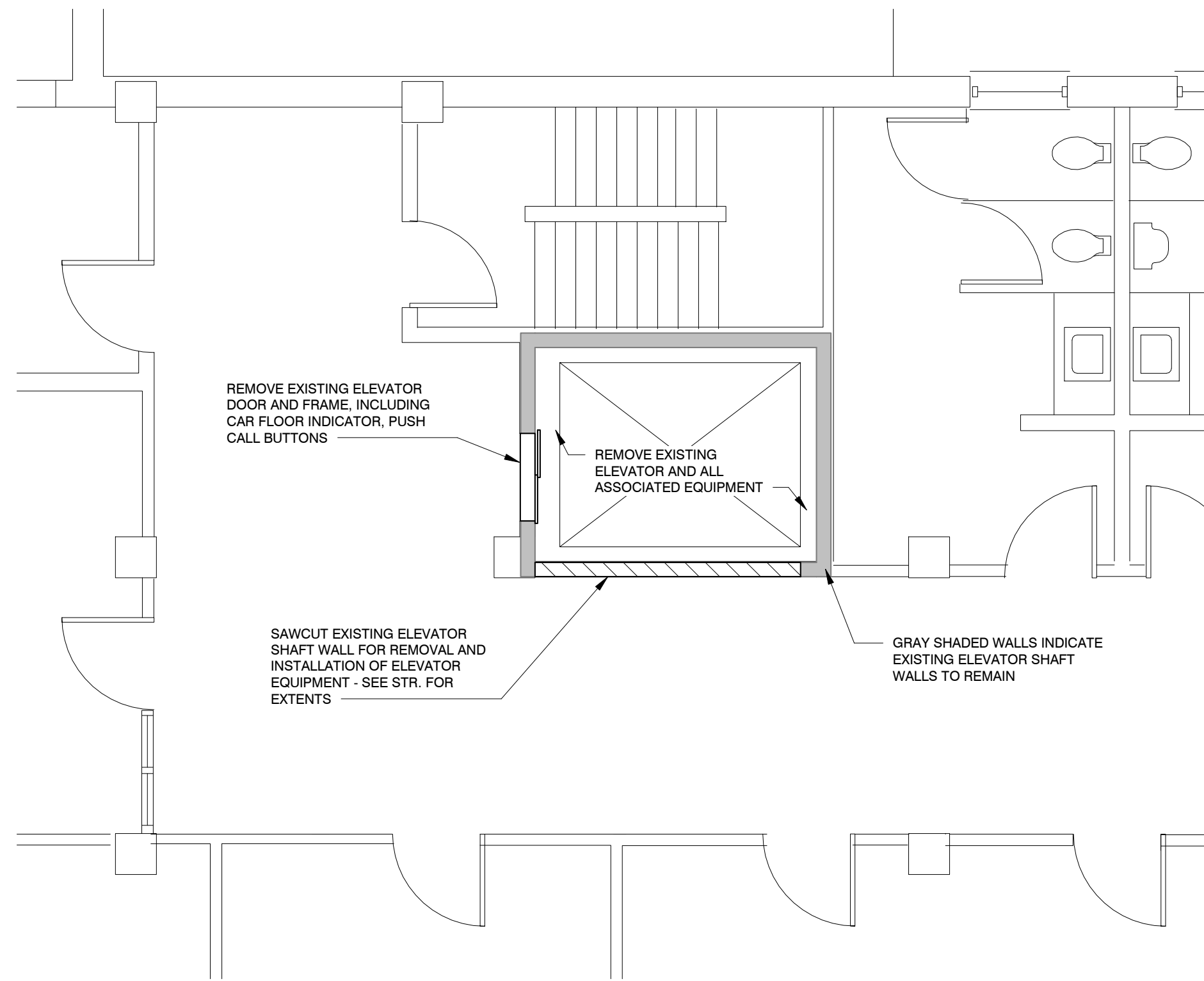
1 BASEMENT FLOOR DEMO PLAN
A1.1 1/4" = 1'-0"



2 FIRST FLOOR DEMO PLAN
A1.1 1/4" = 1'-0"



3 SECOND FLOOR DEMO PLAN
A1.1 1/4" = 1'-0"

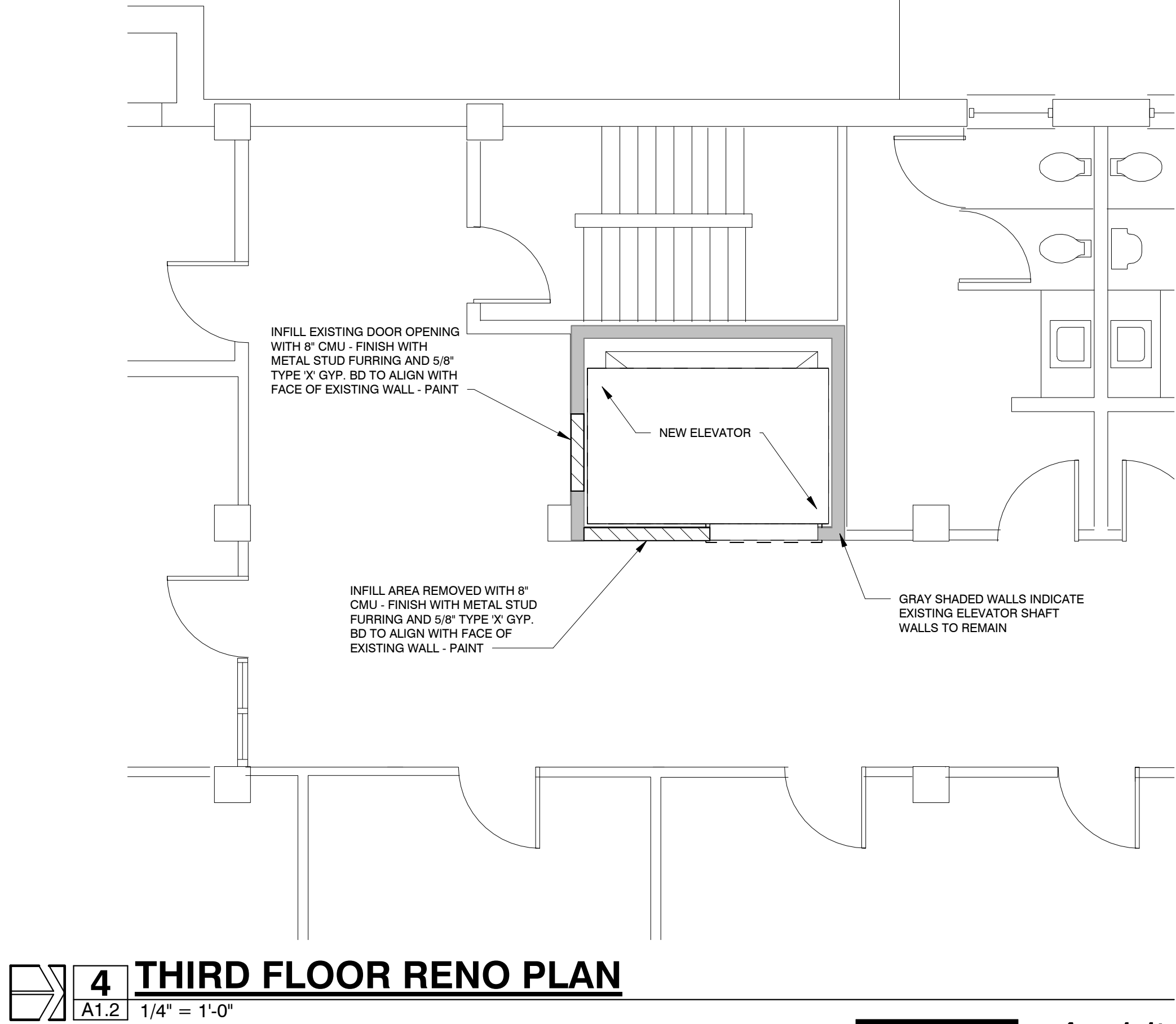
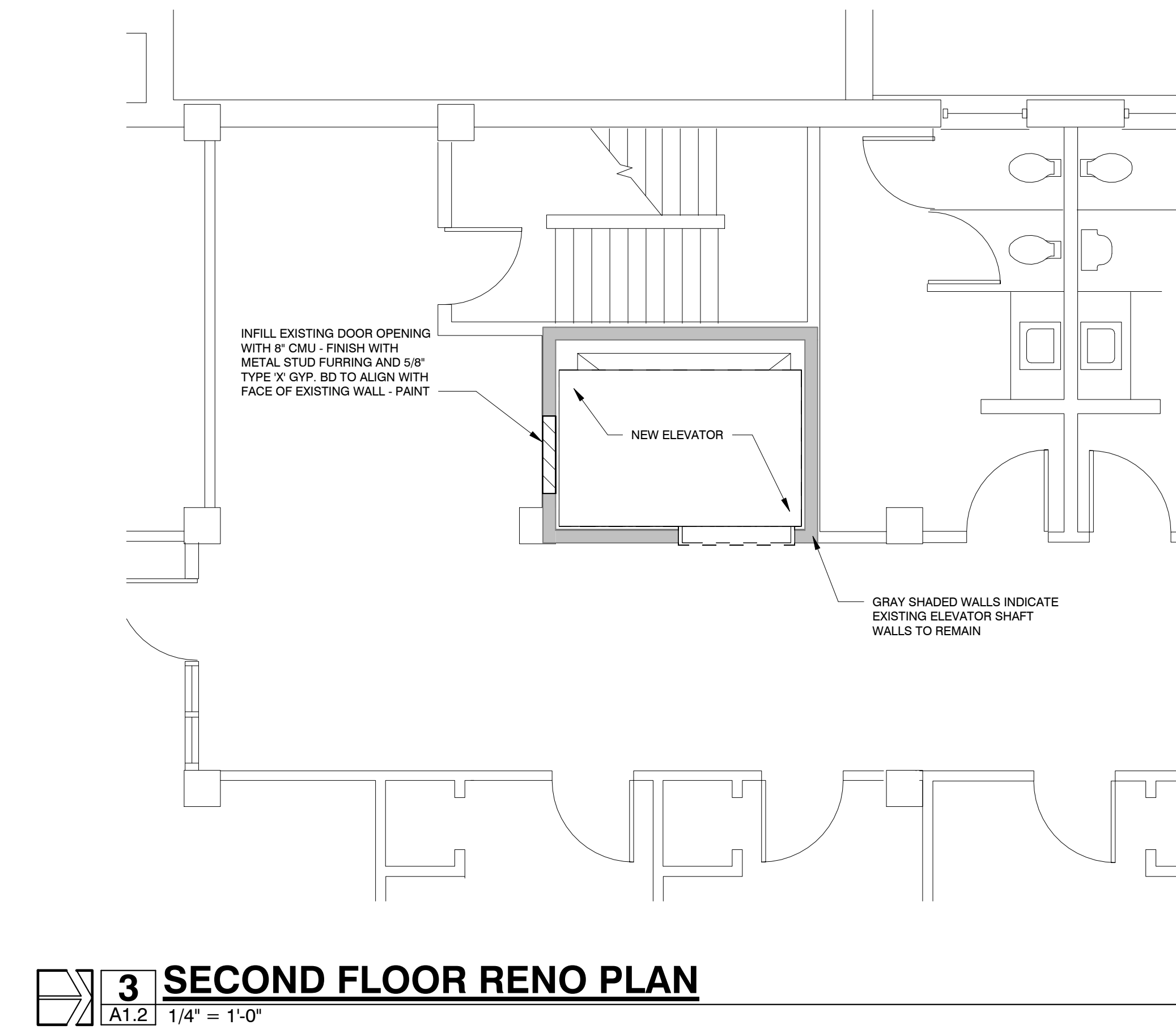
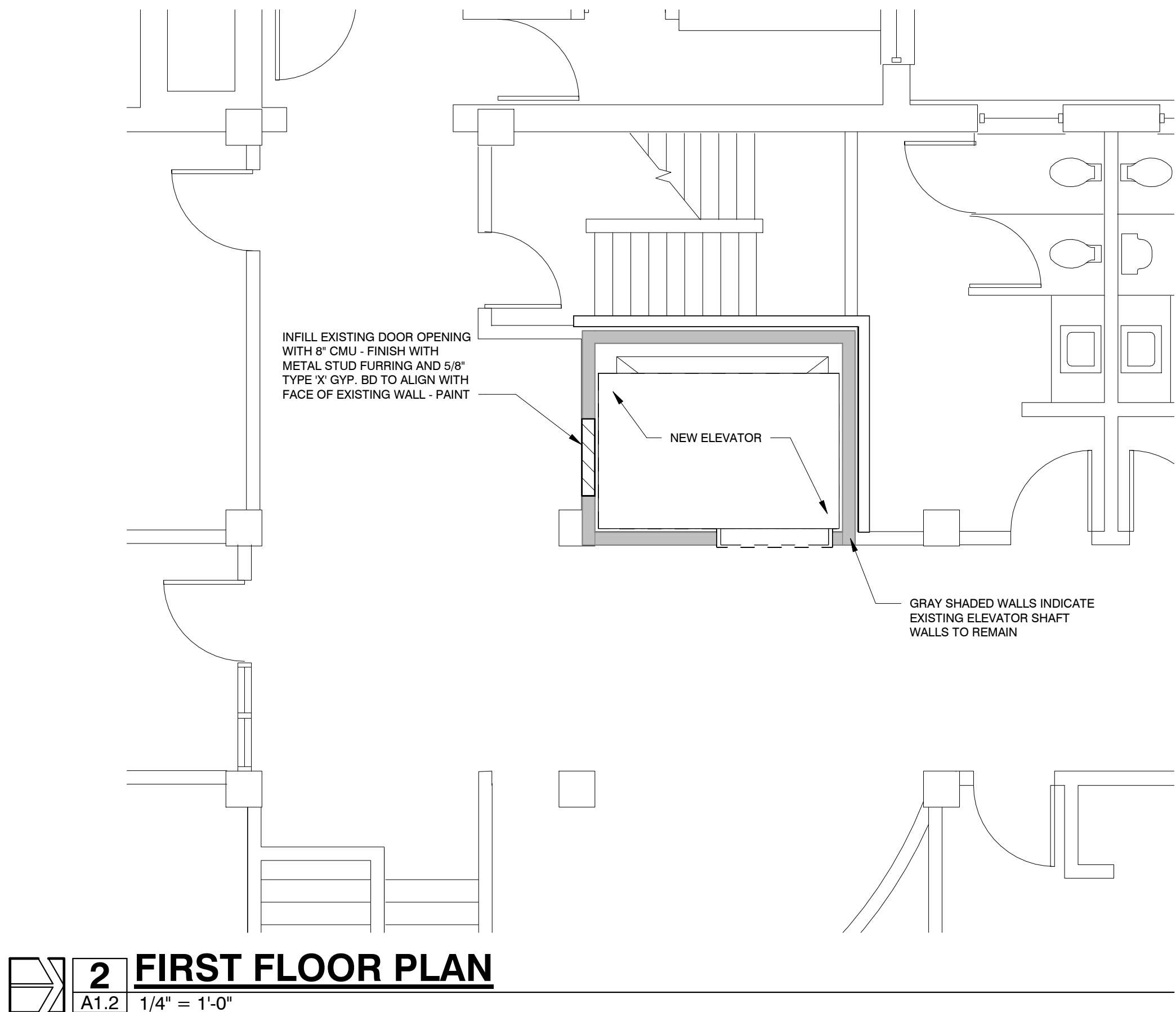
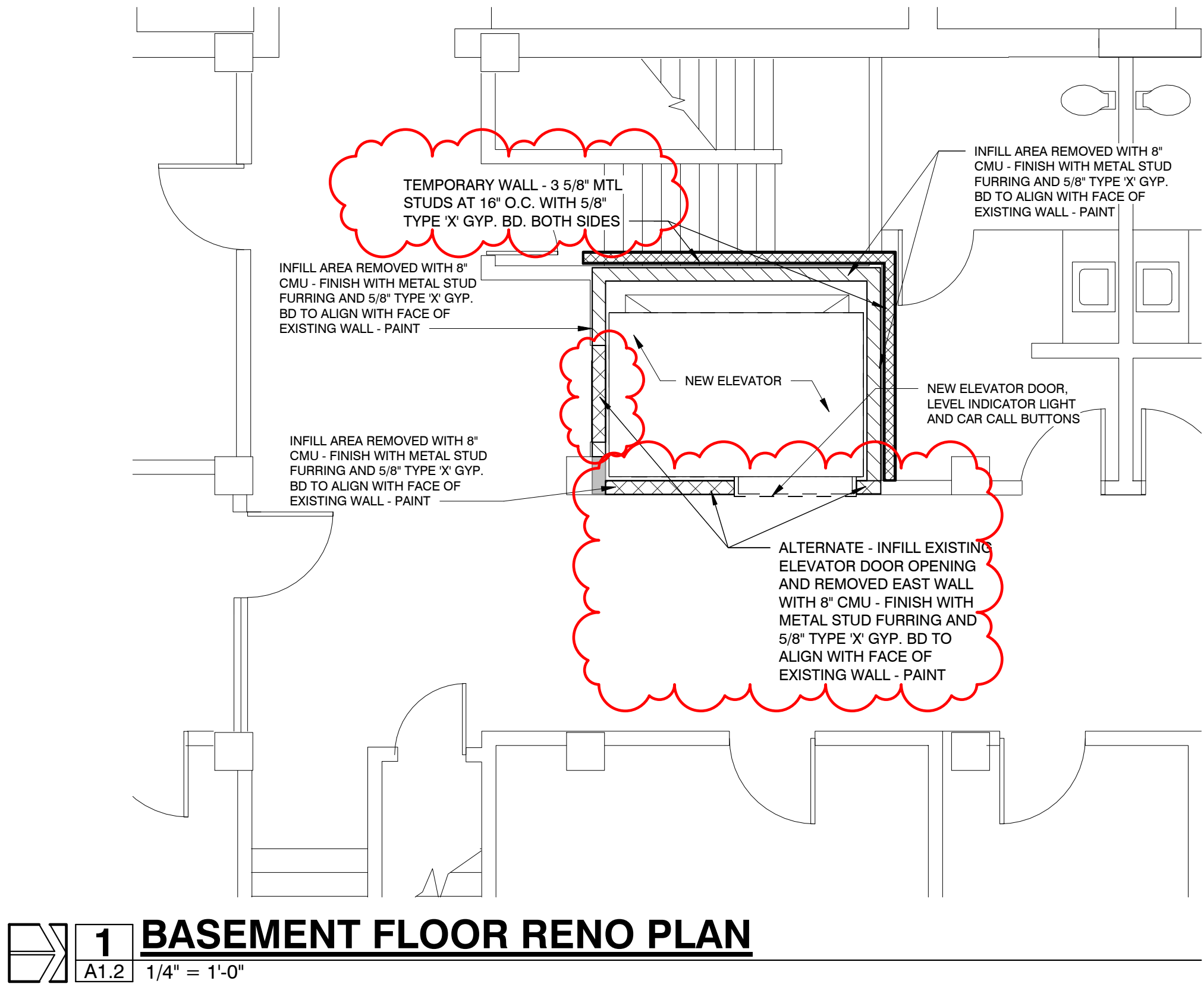


4 THIRD FLOOR DEMO PLAN
A1.1 1/4" = 1'-0"



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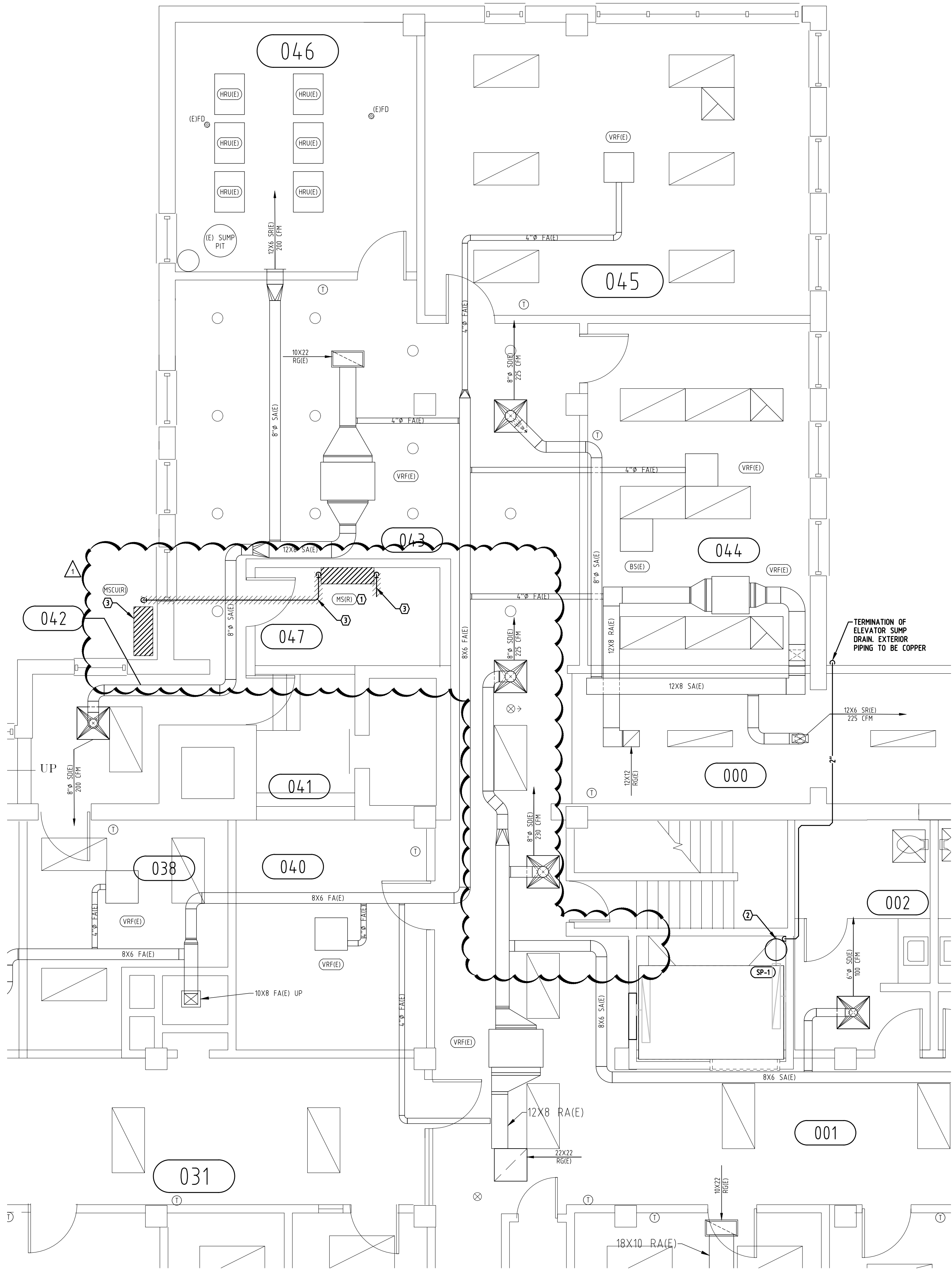
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ELEVATOR UPGRADE
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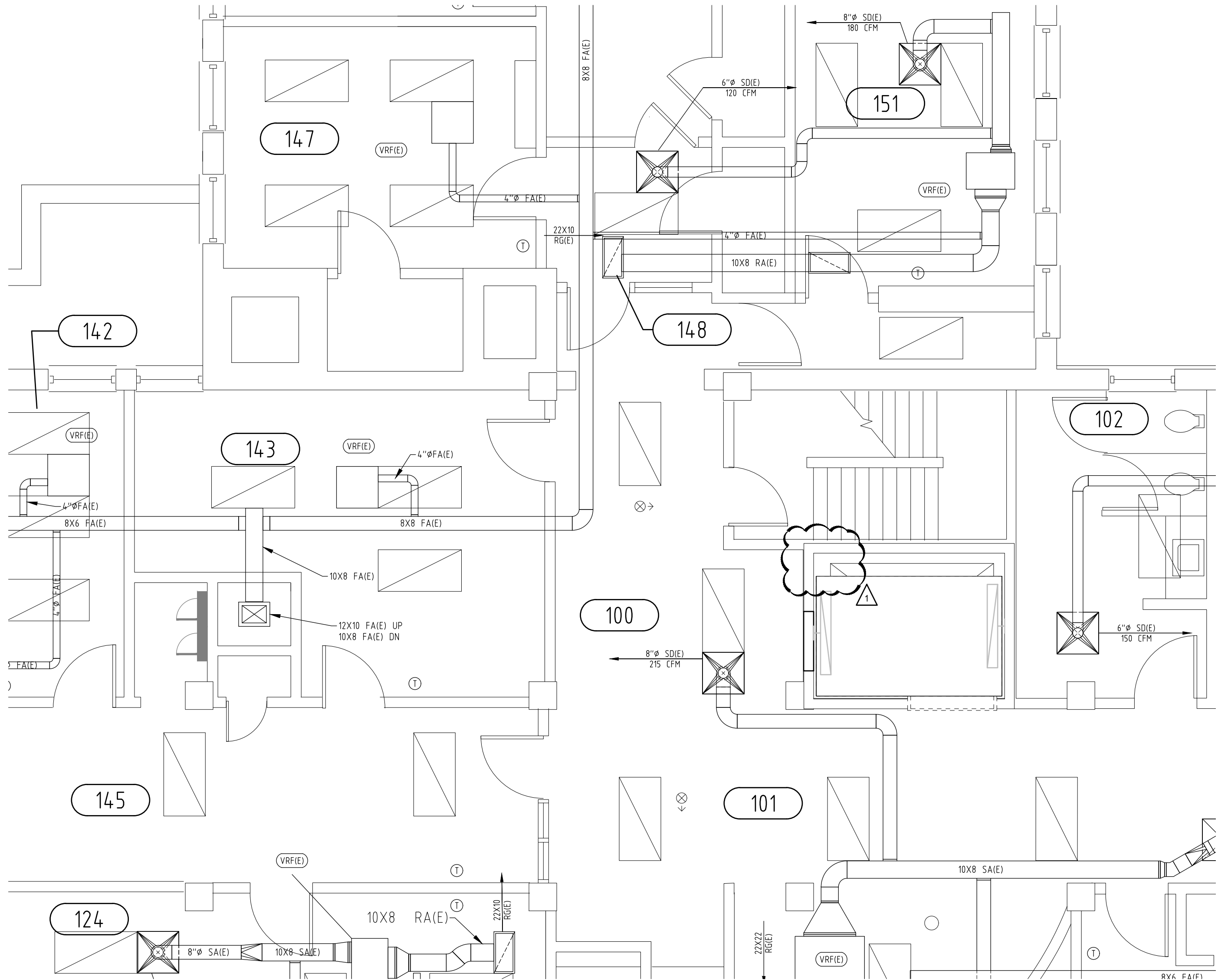


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#	Date
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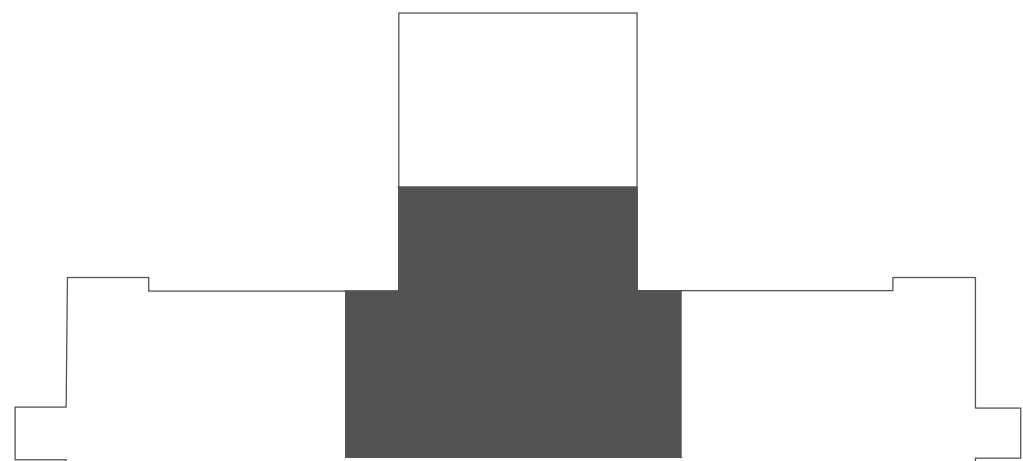
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GROUND FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"



FIRST FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"



KEYPLAN
SCALE: NTS

- SHEET NOTES** KEY NOTE SYMBOL = (K)
- KEY NOTES**
1. RELOCATE EXISTING MINI-SPLIT TO TOP OF ELEVATOR SHAFT. SEE 3RD FLOOR MECHANICAL PLAN FOR NEW LOCATION.
 2. EXTEND 2" DISCHARGE FROM ELEVATOR SUMP PUMP AND TERMINATE THROUGH EXTERIOR WALL.
 3. RELOCATE EXISTING MINI-SPLIT CONDENSING UNIT TO ROOF. 3RD FLOOR MECHANICAL PLAN FOR NEW LOCATION. RELOCATE CONTROLS AS REQUIRED.
 4. REMOVE EXISTING REFRIGERANT AND HUMIDITY DRAIN PIPING.

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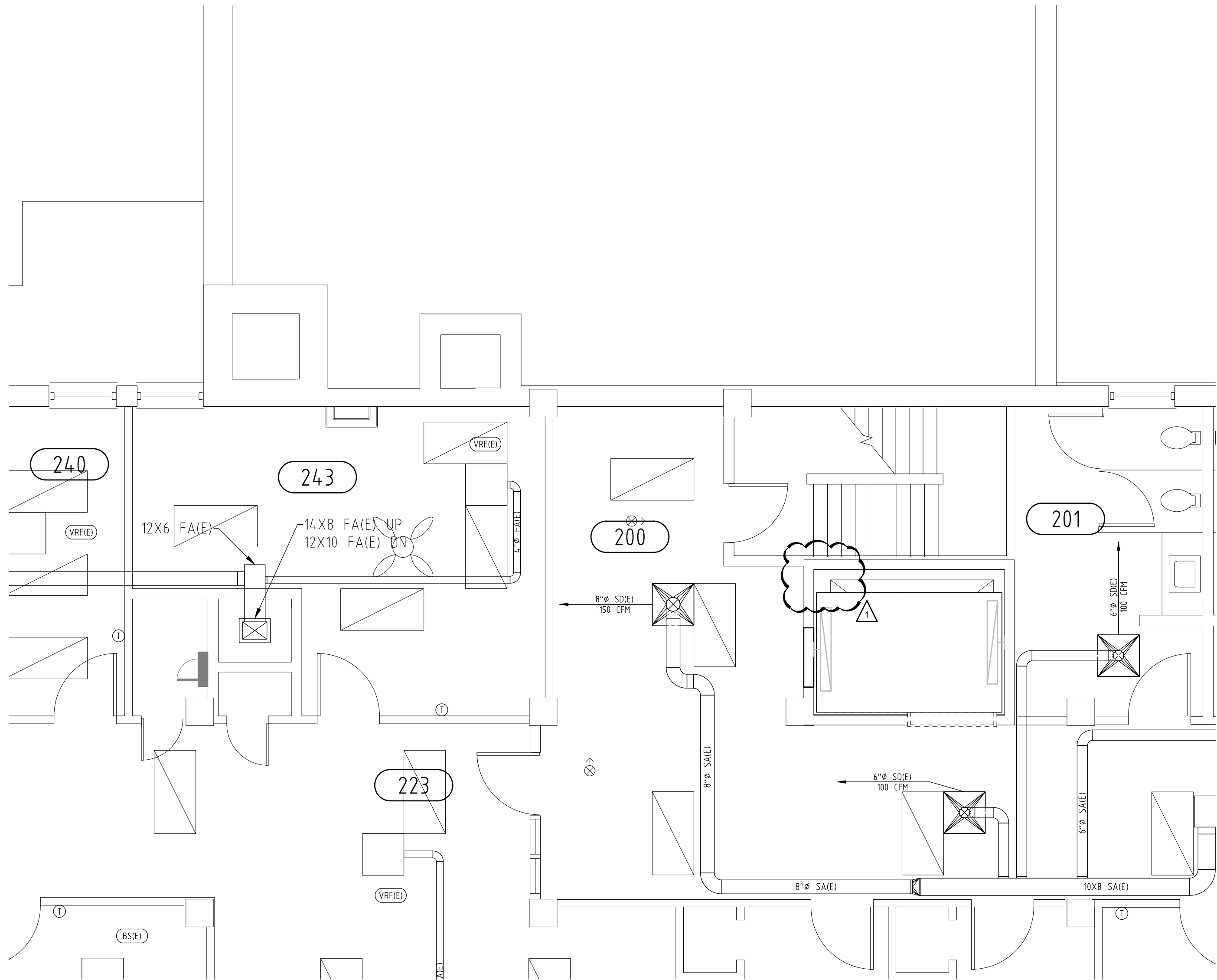
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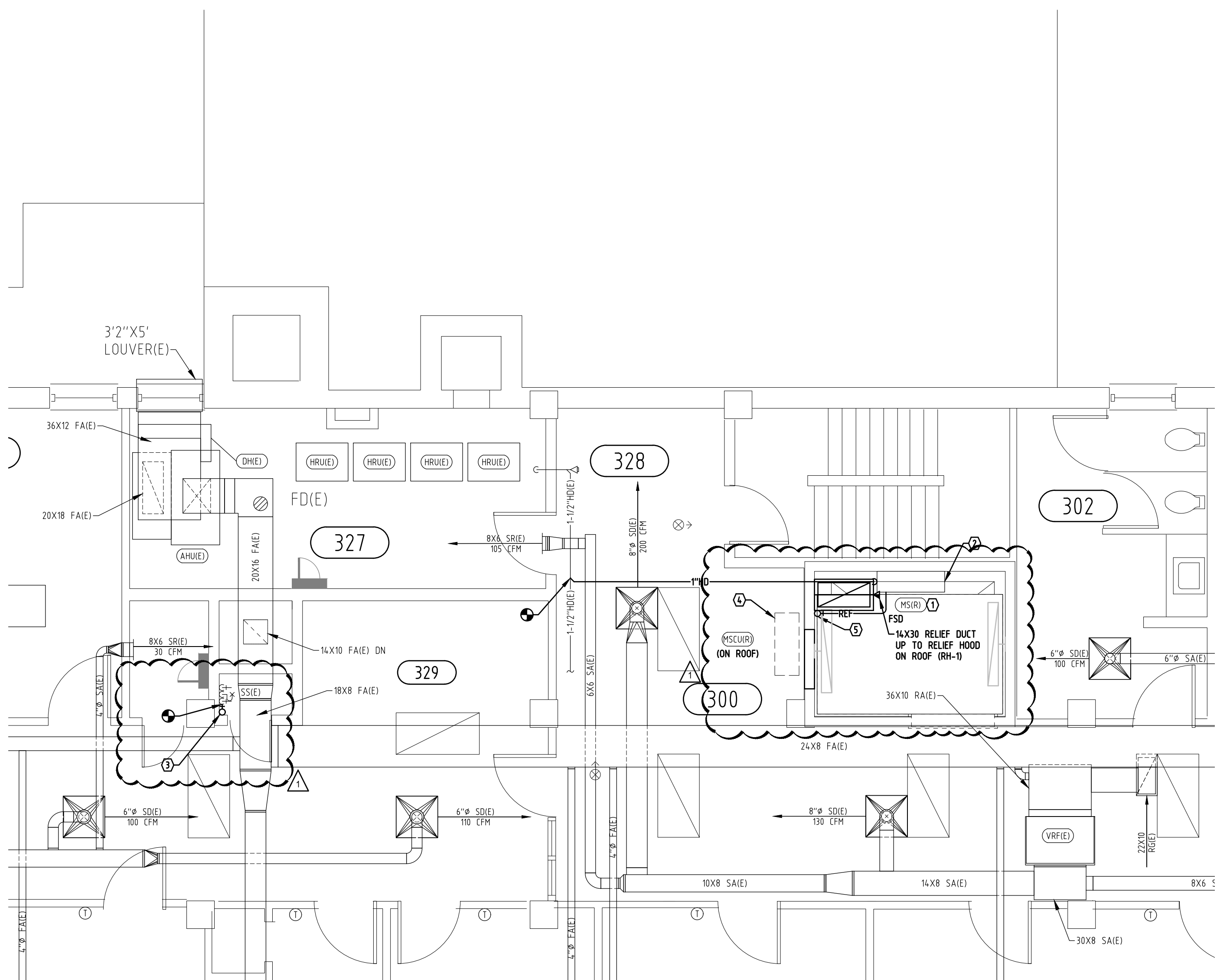


GROUND & FIRST FLOOR
PLAN - MECHANICAL

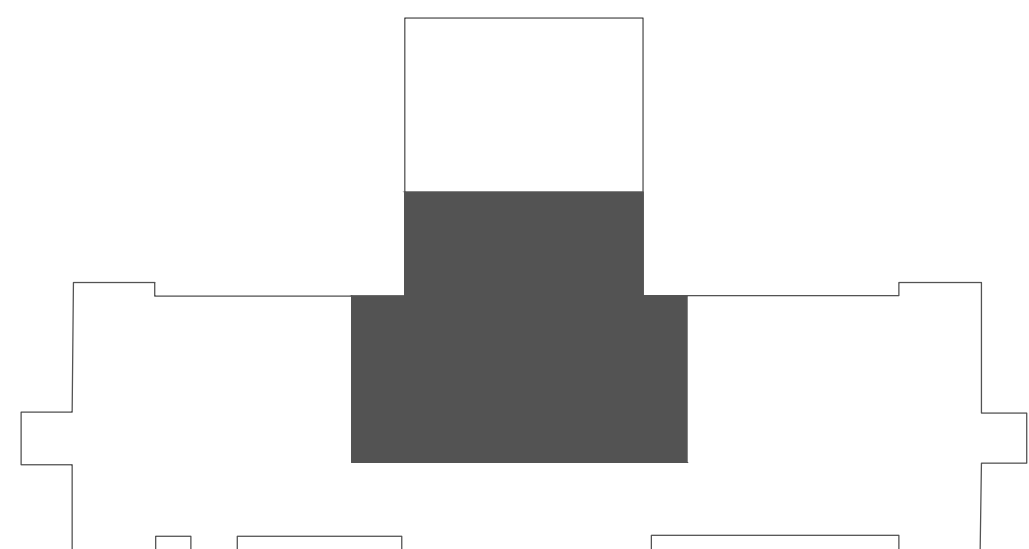
M1.1



➔ SECOND FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"



➔ THIRD FLOOR PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"



➔ KEYPLAN
SCALE: NTS

- SHEET NOTES** KEY NOTE SYMBOL = (K)
- KEY NOTES**
1. EXTEND HUMIDITY DRAIN FROM MINI-SPLIT IN ELEVATOR SHAFT TO EXISTING FLOOR DRAIN. VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
 2. NEW LOCATION OF RELOCATED MINI-SPLIT.
 3. CONNECT 3/4" DOMESTIC COLD WATER TO EXISTING COLD WATER LINE UNDER EXISTING SINK IN JANITORS CLOSET. EXTEND NEW 3/4" COLD WATER LINE UP THROUGH ROOF TO ROOF HYDRANT. PROVIDE LOW POINT VALVED DRAIN AND ISOLATION VALVE IN JANITORS ROOM ABOVE SINK. PROVIDE 3/4" THREADED HOSE CONNECTION ON DRAIN. EXTEND PIPING UP THROUGH ATTIC AND OUT ROOF. PATCH AND FLASH ROOF AS REQUIRED.
 4. NEW LOCATION OF RELOCATED MINI-SPLIT CONDENSING UNIT IS ON THE ROOF. SUPPORT UNIT ON POWDER COATED BLACK METAL WALL BRACKETS SECURED TO EXTERIOR WALL.
 5. EXTEND REFRIGERANT PIPING UP THROUGH SPACE ABOVE ELEVATOR AND OUT OF SOUTH WALL TO MINI-SPLIT CONDENSING UNIT.



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200 SOUTH SILBER AVENUE
NORTH PLATTE, NE 69101

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1	ADDENDUM #1	11/14/2023

DATE:10/26/23



SECOND AND THIRD
FLOOR PLAN -
MECHANICAL

M1.2

No.	Issued For	Date
1	ADDENDUM #1	11/14/2023

DATE:10/26/23



DETAILS & SCHEDULES -
MECHANICAL

M2.1

MECHANICAL SCHEDULES

PROVIDE SPECIFIED OR APPROVED EQUAL

PIPE SUPPORT SCHEDULE

PIPE MATERIAL	1/2" - 1-1/4" MAX. ROD SPACING SIZE	1-1/2" - 2" MAX. ROD SPACING SIZE	2-1/2" - 3" MAX. ROD SPACING SIZE	3" - 4" MAX. ROD SPACING SIZE	4" - 6" MAX. ROD SPACING SIZE	6" - 8" MAX. ROD SPACING SIZE	8" - 10" MAX. ROD SPACING SIZE	10" - 12" MAX. ROD SPACING SIZE	12" - UP MAX. ROD SPACING SIZE	NOTES
STEEL	8" 3/8"	9" 3/8"	10" 3/8"	11" 1/2"	12" 1/2"	12" 5/8"	12" 3/4"	12" 7/8"	12" 7/8"	1,2,3
COPPER	6" 3/8"	6" 3/8"	8" 3/8"	10" 1/2"	10" 1/2"	10" 5/8"	10" 3/4"	10" 7/8"	10" 7/8"	1,2,3
PVC / CPVC	4" 3/8"	4" 3/8"	4" 3/8"	4" 3/8"	4" 1/2"	4" 1/2"	4" 5/8"	4" 3/4"	4" 7/8"	1,2,3
POLYETHYLENE	3" 3/8"	3" 3/8"	3" 3/8"	NA	3/8"	4.5"	3/8"	6"	1/2"	1,2,3

PIPE SUPPORT SCHEDULE NOTES

1. PIPING SUPPORT VERTICALLY EVERY 12' OR EVERY LEVEL WHICH EVER IS LESS.
2. SPACING SCHEDULED IS THE MAXIMUM DISTANCE. SUPPORTS CAN BE INSTALLED IN SMALLER INTERVALS AND MAY NEED TO BE IF THE STRUCTURE CAN NOT HANDLE THE LOAD AT THE MAXIMUM SPACING. VERIFY WITH STRUCTURAL. A MINIMUM OF ONE SUPPORT FOR EVERY BRANCH OR PIPE SEGMENT IN EACH DIRECTION CHANGE SHALL BE PROVIDED. TWO (2) HANGERS MUST BE PROVIDED ON ALL LENGTH OF PIPE LONGER THAN 10'.
3. ALL SUPPORTS SHOULD BE ANCHORED SECURELY TO THE STRUCTURE BUT NOT THE PIPING. THE SUPPORT SHOULD ALLOW FREE MOVEMENT CAUSED BY THERMAL EXPANSION. PIPING STRAPS AND CLAMPS THAT HOLD THE PIPING TIGHT TO THE STRUCTURE WILL NOT BE ALLOWED. TYPICAL ACCEPTABLE SUPPORTS INCLUDE BUT ARE NOT LIMITED TO CLEVIS HANGERS, ADJUSTABLE SWIVEL RING SUPPORT, ROLLER HANGER AND DOUBLE BOLT PIPE CLAMP.

PIPE MATERIAL AND INSULATION

PIPE	PIPE SIZE	RELATION TO GRADE	PIPING MATERIAL	PIPING FITTING TYPE	MINIMUM SLOPE	VALVES	MUST COMPLY WITH	INSULATION TYPE	PIPING INSULATION MATERIAL TYPE	THICKNESS INCH	DENSITY LBS/FT ³	"K" VALUE" MIN. AT TEMP	NOTES
SPLIT SYSTEMS REFRIGERANT	ALL	ABOVE	TYPE "L" COPPER	BRAZED	-	-	ASTM B 88	NON-SPLIT CLOSED CELL	FLEXIBLE ELASTOMERIC	1-1/2"	3	.22	75° 1,4
HUMIDITY CONDENSATE	ALL	ABOVE	SCHEDULE 40 PVC	PRIMED AND GLUED	1/8" FOOT	-	ASTM B 88	NON-SPLIT CLOSED CELL	FLEXIBLE ELASTOMERIC	1/2"	3	.25	75° 1,3
SANITARY WASTE	2" - 3"	BELOW	SCHEDULE 40 PVC	PRIMED AND GLUED	1/4" FOOT	-	-	-	-	-	-	-	2,4
SANITARY WASTE	1-1/2" - 3"	ABOVE	SCHEDULE 40 PVC	PRIMED AND GLUED	1/4" FOOT	-	-	-	-	-	-	-	2,4

PIPE MATERIAL AND INSULATION GENERAL NOTES

- INSTALL ALL PIPING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. ALL INSTALLERS SHALL BE CERTIFIED, WITH DOCUMENTATION SUBMITTED WITH SHOP DRAWINGS.
- ALL PIPING SHALL BE TESTED, CLEANED AND CERTIFIED FOR INTENDED USE. ALL PIPING SYSTEMS SHALL BE PRESSURE TESTED WITH 1-1/2 TIMES THE OPERATING PRESSURE FOR NO LESS THAN 4 HOURS. PIPING TO BE CLEANED AND FLUSHED WITH CRITICAL CONTROL VALVES BYPASSED.
- DIELECTRIC FITTINGS SHALL BE USED AT ALL CONNECTIONS BETWEEN DISSIMILAR METALS. FITTINGS SHALL BE SOFT SOLDERED TO THE PIPING.
- ALL WELDED PIPE AND FUSION WELDED PIPE SHALL BE WELDED BY A CERTIFIED WELDER/ FUSION CONTRACTOR. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER (CERTIFICATES MUST BE SUBMITTED) AND ALL WORK SHALL BE STAMPED. BOLTED FLANGES SHALL BE INSTALLED ON 2" AND LARGER PIPE TO SECTIONALIZE THE SYSTEM INTO WORKABLE SECTIONS, INSULATION SHALL GO AROUND FLANGES.

VALVE SCHEDULE

- CALIBRATED BALANCE VALVES: SHALL BE A BRONZE OR BRASS BALL VALVE WITH A SET SCREW STOP.
- BALL VALVE: SHALL BE NSF RATED FOR POTABLE WATER, BRASS OR BRONZE BODY WITH CHROME PLATED BRONZE BALL.
- BUTTERFLY VALVE: SHALL BE CAST IRON BODY WITH FLANGED ENDS, WAFFER STYLE VALVES ARE NOT ALLOWED.
- GATE VALVE: SHALL BE A BRONZE OR CAST IRON BODY WITH A RISING STEM AND SOLID BRONZE WEDGE.
- GLOBE VALVE: SHALL BE A BRONZE OR CAST IRON BODY WITH A BRONZE DISC
- ALL VALVES SHALL BE LINE SIZE FULL PORT INSTALLED WITH FULL STEM/HANDLE. MOVEMENT: HANDLES SHALL NEVER BE INSTALLED VERTICALLY DAWN.

PIPE MATERIAL AND INSULATION SCHEDULE NOTES

1. INSULATION & ADHESIVE SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS ACCORDING TO ASTM STANDARD AND NFPA 255. INSULATION SHALL BE INSTALLED BY A SKILLED INSTALLER IN A CLEAN WORKMANSHIP LIKE MANNER AFTER THE SYSTEM HAS BEEN PROPERLY TESTED. ALL JOINTS SHALL BE PROPERLY SEALED TO KEEP INTEGRITY OF VAPOR BARRIER INTACT. ALL INSULATION SHALL HAVE PVC JACKETS ON ALL ELBOWS AND THE ENTIRE PIPING SHALL BE JACKETED WITH PVC WHERE EXPOSED IN PUBLICLY ACCESSIBLE AREAS.
2. NO INSULATION IS REQUIRED UNLESS PIPING IS A PLASTIC MATERIAL NOT MEETING 25 / 50 FLAME AND SMOKE RATING IN A RETURN AIR PLENUM (SEE NOTE 1 IF INSULATION IS REQUIRED).
3. SCHEDULE 40 PVC DWV PIPING WITH PRIMED AND GLUED FITTINGS IS AN ACCEPTABLE ALTERNATIVE ONLY IF PIPING IS NOT SERVING ANY DRAINS THAT MAY HAVE WATER HOTTER THAN 140° IN IT OR EXPOSED IN ANY KITCHEN AND ALLOWED BY LOCAL CODES. ALL EXPOSED PIPING IN KITCHENS SHALL BE COPPER. INSTALL INSULATION ON PIPING IN A CEILING PLENUM RETURN ACCORDING TO REQUIREMENTS OF LOCAL JURISDICTION - 1 HOUR FIRE WRAP SHALL BE USED UNLESS LOCAL JURISDICTION ALLOWS ALTERNATIVE PRODUCTS. ALL UNDERGROUND PIPING SHALL BE INSTALLED PER ASTM D3231
4. AFTER PIPING HAS BEEN INSTALLED, ENDS MUST BE CAPPED TO ENSURE THAT DEBRIS DOES NOT ENTER PIPING. PIPING MUST BE BRAZED WITH NITROGEN FLOWING IN THE SYSTEM. ALL OUTDOOR REFRIGERANT PIPING SHALL BE PAINTED WITH UV RESISTANT PAINT AND SHALL BE CLEARLY LABELED WITH PLASTIC / PVC PIPE TAGS TO WHICH UNIT THE PIPING SERVES.

PUMPS

MARK	MANUFACTURER	MODEL #	GPM	FEET HEAD	MINIMUM PUMPING EFFICIENCY	NO FLOW HD	PUMP NOL HP	DATA NPSH	FLUID	MOTOR DATA						PUMP TYPE	COUPLING TYPE	SYSTEM SERVED	NOTES
										HP	VOLT	PHASE	RPM	TYPE					
SP-1	STANCOR	SE50A	50	20	-	-	-	-	-	1/2	120	1	-	PSC	NON-CLOG EFFLUENT PUMP	DIRECT	ELEVATOR SUMP PIT	1	

PUMP SCHEDULE NOTES

1. SUMP PUMP SHALL BE PROVIDED WITH CORD AND PLUG. ALSO PROVIDE WITH 24"Ø X 36" DEEP FIBERGLASS BASIN WITH METAL GRATE FOR TOP.

PLUMBING FIXTURES

MARK	FIXTURE	MANUFACTURER	MODEL #	PIPING SIZE TO FIXTURE	ACCESSORIES	FIXTURE DESCRIPTION AND OPTIONS
RH-1	ROOF HYDRANT	WOODFORD	SRH-MS	3/4"	- - - -	GALVANIZED STEEL ROOF HYDRANT WITH 3/4" HOSE CONNECTION, UNDERECK ROOF MOUNTING FLANGE WITH FIELD TESTABLE BACKFLOW PREVENTER.

PLUMBING FIXTURE SCHEDULE NOTES

- ALL VENT/WASTE PIPING UNDERGROUND MUST BE 2" OR LARGER IF NOT SHOWN ON DRAWINGS.
- FOLLOW PIPING SIZES AS SHOWN ON SCHEDULE UNLESS INDICATED OTHERWISE ON DRAWINGS.
- (H) INDICATES HANDICAP FIXTURE.
- HAVE ALL PLUMBING FIXTURES APPROVED BY OWNER AND ARCHITECT PRIOR TO ORDERING.
- PROVIDE TRUEBRO LAV GUARD 2 INSULATION KIT ON ALL EXPOSED WASTE, HOT AND COLD WATER PIPING
- AND QUARTER TURN BALL VALVES UNDER ALL SINKS, COUNTER AND WALL HUNG LAVATORIES.
- PROVIDE QUARTER TURN BALL VALVE AT SUPPLY CONNECTION TO EACH PLUMBING FIXTURE.
- PROVIDE 2" CLEANOUT UNDER SINK AT AN ACCESSIBLE LOCATION.

MECHANICAL SCHEDULES

PROVIDE SPECIFIED OR APPROVED EQUAL

RELIEF AIR HOOD

MARK	MANUFACTURER	MODEL #	TYPE	VOLUME CFM	SP IN W.G.	MINIMUM THROAT AREA FT ²	MATERIAL	CURB / OPENING SIZE INCHES	AREA / SYSTEM SERVED	NOTES
RH-1	GREENHECK	FGR-14X30	RELIEF	-	.001	3	ALUMINUM	14X30	ELEVATOR SHAFT	1,2

FRESH / RELIEF AIR HOOD AND LOWERS SCHEDULE NOTES

1. PROVIDE INTEGRAL BIRD SCREEN.
2. PROVIDE PREFABRICATED ROOF CURB.

DUCT MATERIAL AND INSULATION

DUCT	DUCT LOCATION	SPACE	DUCT CONSTRUCTION MATERIAL	TYPE	CONNECTION	TYPE	MATERIAL TYPE	DUCT INSULATION SKIN TYPE	THICKNESS	DENSITY	MINIMUM INSTALLED LB/FT ³	"R" VALUE	NOTES
RETURN / TRANSFER	AIR	CONCEALED	PARTIALLY CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANTI-MICROBIAL COATING	1-1/2"	1-1/2	4	1,2,3
RETURN / TRANSFER	AIR	CONCEALED	CONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANTI-MICROBIAL COATING	1/2"	2	2	1,2,3
RETURN / TRANSFER	AIR	EXPOSED	CONDITIONED	PAINT GRIP STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANTI-MICROBIAL COATING	1"	1-1/2	3	1,2,3,4
RETURN / TRANSFER	AIR	CONCEALED	UNCONDITIONED	GALVANIZED STEEL	SINGLE WALL	SLIP & DRIVE	LINER	FIBERGLASS	ACRYLIC POLYMER ANTI-MICROBIAL COATING	2"	1-1/2	5	1,2,3

SPACE DEFINITION

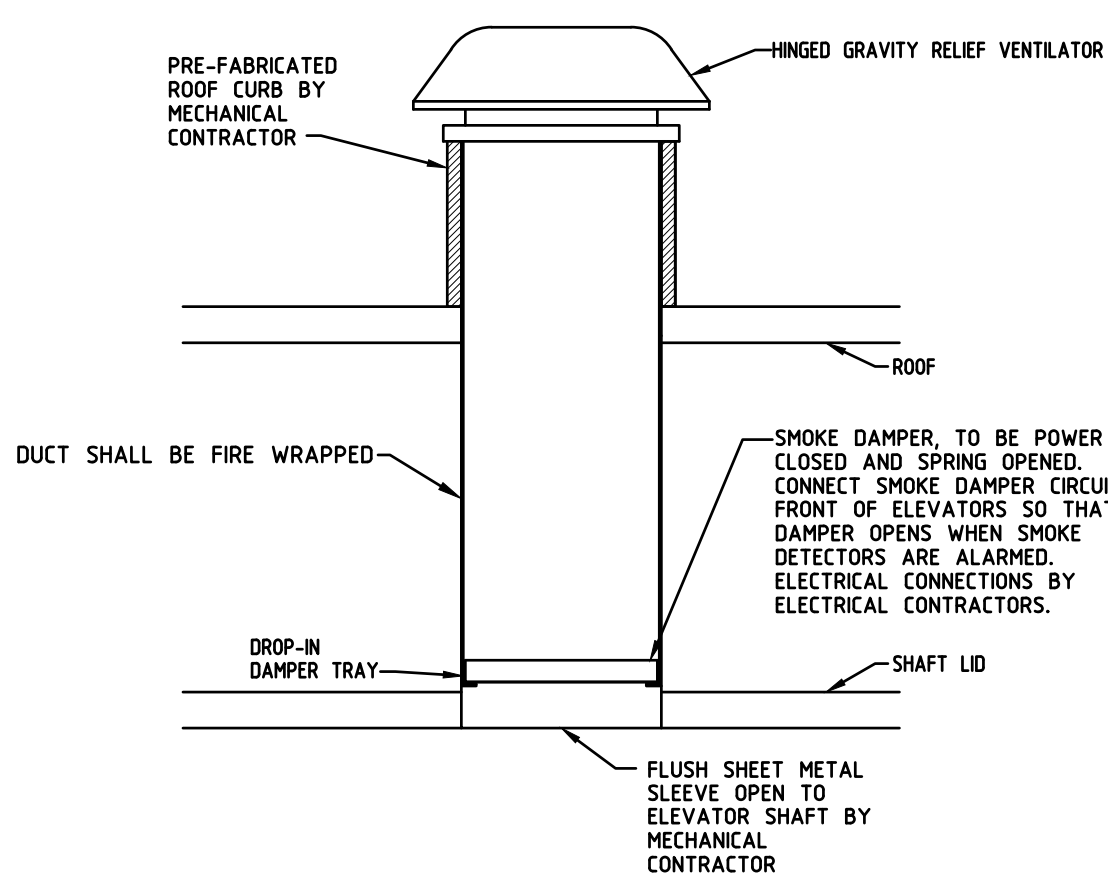
- **PARTIALLY CONDITIONED SPACE:** A SPACE THAT HAS A TEMPERATURE DIFFERENTIAL BETWEEN THE AIR IN DUCT AND THE SURROUNDING GREATER THAN 15°. EXAMPLES INCLUDE: ATTIC SPACE (WITH INSULATION ON ROOF), CRAWL SPACE, GARAGE, MECHANICAL / ELECTRICAL ROOM, NON PLENUM RETURN CEILING SPACE.
- **CONDITIONED SPACE:** A SPACE THAT HAS A TEMPERATURE DIFFERENTIAL BETWEEN THE AIR IN DUCT AND THE SURROUNDING LESS THAN 15°. EXAMPLES INCLUDE: ABOVE CEILING RETURN PLENUM SPACE, HEATED AND COOLED SPACE.
- **UNCONDITIONED SPACE:** A SPACE WHOSE TEMPERATURE IS THE SAME AS OUTDOORS OR WORSE (FURTHER FROM ROOM SET POINT) OR IS THE OUTDOORS. EXAMPLES INCLUDING: ATTIC WITH INSULATION AT CEILING, DUCT CHASES.
- **EXTERIOR (OUTSIDE):** LOCATED OUTSIDE OF THE BUILDING ENVELOPE. EXPOSED TO THE WEATHER.

WHERE DUCT INSULATION IS SPECIFIED:

- ALL DUCTS SHALL BE COMPLETELY INSULATED ON ALL SIDES ENCOMPASSING DUCT SUPPORTS/ HANGERS WITH INSULATION SEALED TO SUPPORTS AS THEY PENETRATE INSULATION.
- ALL SUPPLY AND FRESH AIR DIFFUSERS AND REGISTERS INCLUDING DUCT BOOTS SHALL BE COMPLETELY WRAPPED IN INSULATION DOWN TO THE CEILING TO PREVENT CONDENSATION.
- ALL INSULATION HOLES FROM TESTING AND BALANCING SHALL BE RE-SEALED.
- ALL BALANCING DAMPERS SHALL HAVE THE HANDLES OUTSIDE THE INSULATION, WITH A PROPER STANDOFF/ SHAFT LENGTH TO ALLOW PROPER DAMPER ADJUSTMENT.

DUCT MATERIAL AND INSULATION SCHEDULE NOTES

1. ALL DUCTWORK SHALL BE CONSTRUCTED, REINFORCED AND SUPPORTED ACCORDING TO CURRENT MECHANICAL CODE, SMACNA STANDARDS, AND PER REQUIREMENTS OF CURRENT EDITION OF INTERNATIONAL ENERGY CODES. DUCTS SHALL BE CONSTRUCTED BASED ON THE TOTAL FAN PRESSURE THE DUCTS ARE CONNECTED TO (A MINIMUM OF 2") AND BE TAKEN AS POSITIVE ON THE FAN DISCHARGE SIDE AND NEGATIVE ON THE FAN SUCTION SIDE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE FAN PRESSURES BEFORE BIDDING AND CONSTRUCTION. SINGLE WALL DUCT SHALL BE SEALED WITH EITHER FOIL TAPE OR DUCT SEAL COMPOUND ON ALL JOINTS INCLUDING LONG TRANSVERSE JOINTS. FOR LOW PRESSURE (< 2" W.C.) NON SPIRAL DUCT, ADJUSTABLE 1xRADIUS ELBOWS AND SNAPLOCK PIPE ARE ACCEPTABLE. FOR DUCT MATE/TOC CONNECTIONS FOAM TAPE, PLASTIC CLEATS ARE NOT ACCEPTABLE, BUTYL TAPE, METAL CLEATS AND NUT & BOLTS MUST BE USED.
2. INSULATION SHALL HAVE A PIC OF 25/50 AND BE CLASSIFIED AS MEETING THE REQUIREMENTS OF LIMITED COMBUSTIBILITY.
3. DUCT LINER INSULATION: INSULATION SHALL COMPLY WITH ASTM C 1071. PROVIDE MANUFACTURER'S SEALANT FOR COATING OF ALL EXPOSED EDGES, CONNECTIONS, OR MINOR SURFACE DAMAGE. WELD PINS OF SUFFICIENT LENGTH AND GLUE OR STAPLES WITH SHEET METAL DISCS SHALL BE USED TO FASTEN LINER TO DUCT. ALL BUTT EDGES SHALL BE COATED WITH ADHESIVE AND PRESSED TOGETHER. DUCT LINER SHALL HAVE PERMACOTE ANTI FUNG AND BACTERIA GROWTH AGENT APPLIED TO THE LINER. ALL ROUND RETURN DUCT MUST BE WRAPPED WITH DUCT WRAP INSULATION OF AN EQUAL INSTALLED "R" VALUE SCHEDULED LINER.
4. IF DUCT IS GOING TO BE PAINTED, THOROUGHLY CLEAN AND DRY OUTSIDE OF DUCT WITH A WARM SOAPY SOLUTION CONSISTING OF "SIMPLE GREEN" CLEANER AND WATER PRIOR TO BEING PAINTED. THIS SHALL BE WITNESSED BY THE GENERAL CONTRACTOR AND PAINTER.

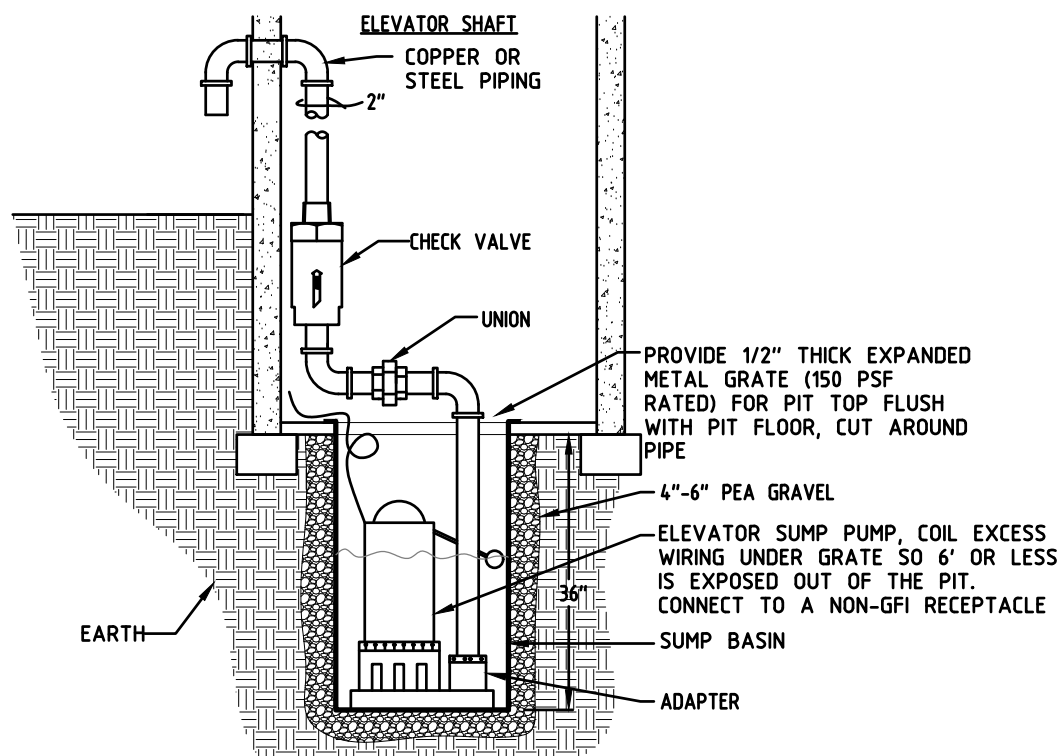


ELEVATOR SMOKE VENT

SCALE: NONE

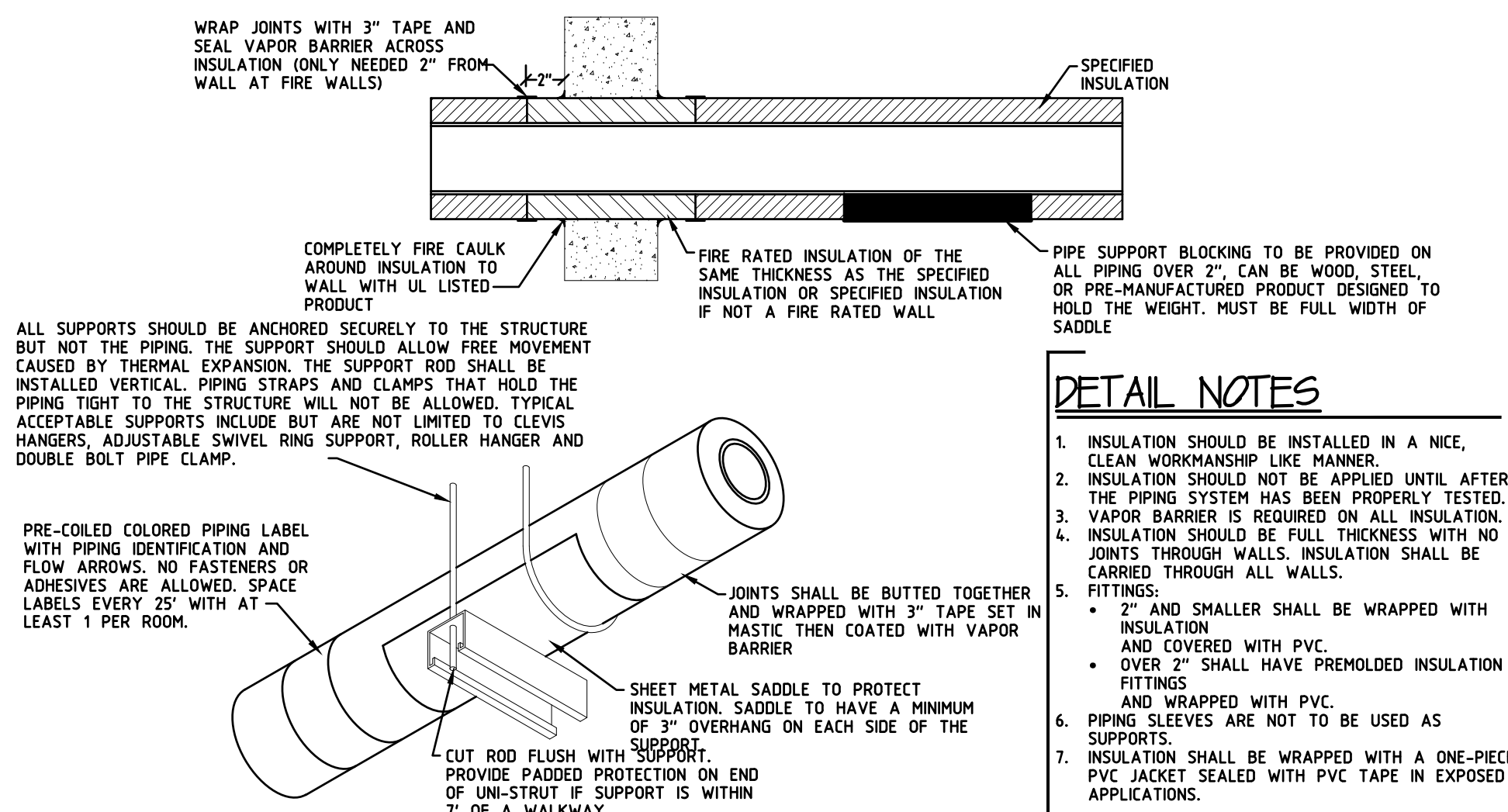
DETAIL NOTES

1. EXCAVATE A HOLE LARGE ENOUGH FOR BASIN AND AT LEAST 4"-6" OF CLEAN PEA GRAVEL.
2. PREPARE THE BOTTOM OF THE HOLE WITH 6" OF CLEAN PEA GRAVEL OR A LEVEL CONCRETE PAD.
3. INSTALL THE BASIN IN THE HOLE MAKING CERTAIN IT IS LEVEL AND MEETS GRADE REQUIREMENTS.
4. CONNECT ANY UNDERGROUND PIPING REQUIRED THEN CAREFULLY BACKFILL WITH PEA GRAVEL.
5. INSTALL PUMP PER MANUFACTURES INSTRUCTIONS AND ABOVE GROUND PIPING, ATTACH COVER TO BASIN AND COMPLETE INSTALLATION BY ATTACHING ELECTRICAL, VENTS, AND CHECK VALVES AS REQUIRED.



ELEVATOR SUMP PUMP DETAIL

SCALE: NONE

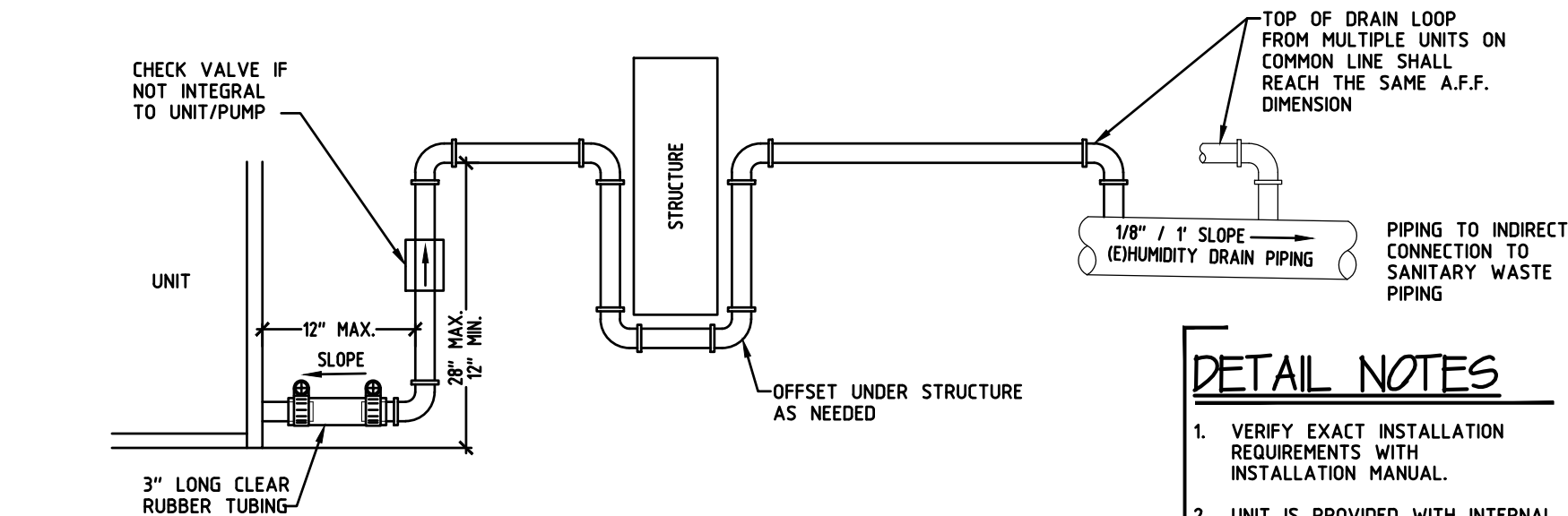


DETAIL NOTES

1. INSULATION SHOULD BE INSTALLED IN A NICE, CLEAN WORKMANSHIP LIKE MANNER.
2. INSULATION SHOULD NOT BE APPLIED UNTIL AFTER THE PIPING SYSTEM HAS BEEN PROPERLY TESTED.
3. VAPOR BARRIER IS REQUIRED ON ALL INSULATION.
4. INSULATION SHOULD BE FULL THICKNESS WITH NO JOINTS THROUGH WALLS. INSULATION SHALL BE CARRIED THROUGH ALL WALLS.
5. FITTINGS:
 - 2" AND SMALLER SHALL BE WRAPPED WITH INSULATION AND COVERED WITH PVC.
 - OVER 2" SHALL HAVE PREMOLED INSULATION FITTINGS AND WRAPPED WITH PVC.
6. PIPING SLEEVES ARE NOT TO BE USED AS SUPPORTS.
7. INSULATION SHALL BE WRAPPED WITH A ONE-PIECE PVC JACKET SEALED WITH PVC TAPE IN EXPOSED APPLICATIONS.

TYPICAL FIBERGLASS PIPE INSULATION DETAIL

SCALE: NONE

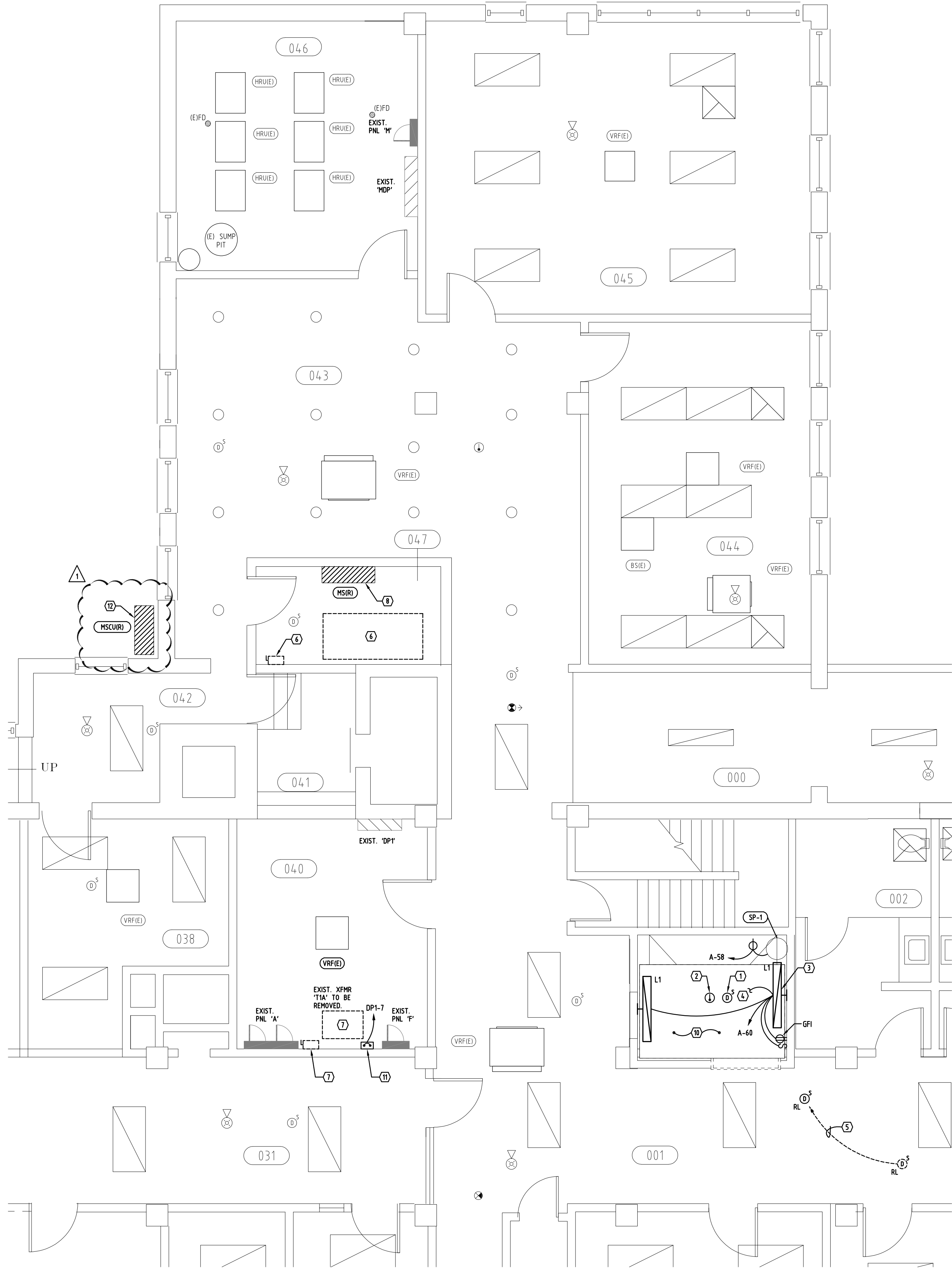


DETAIL NOTES

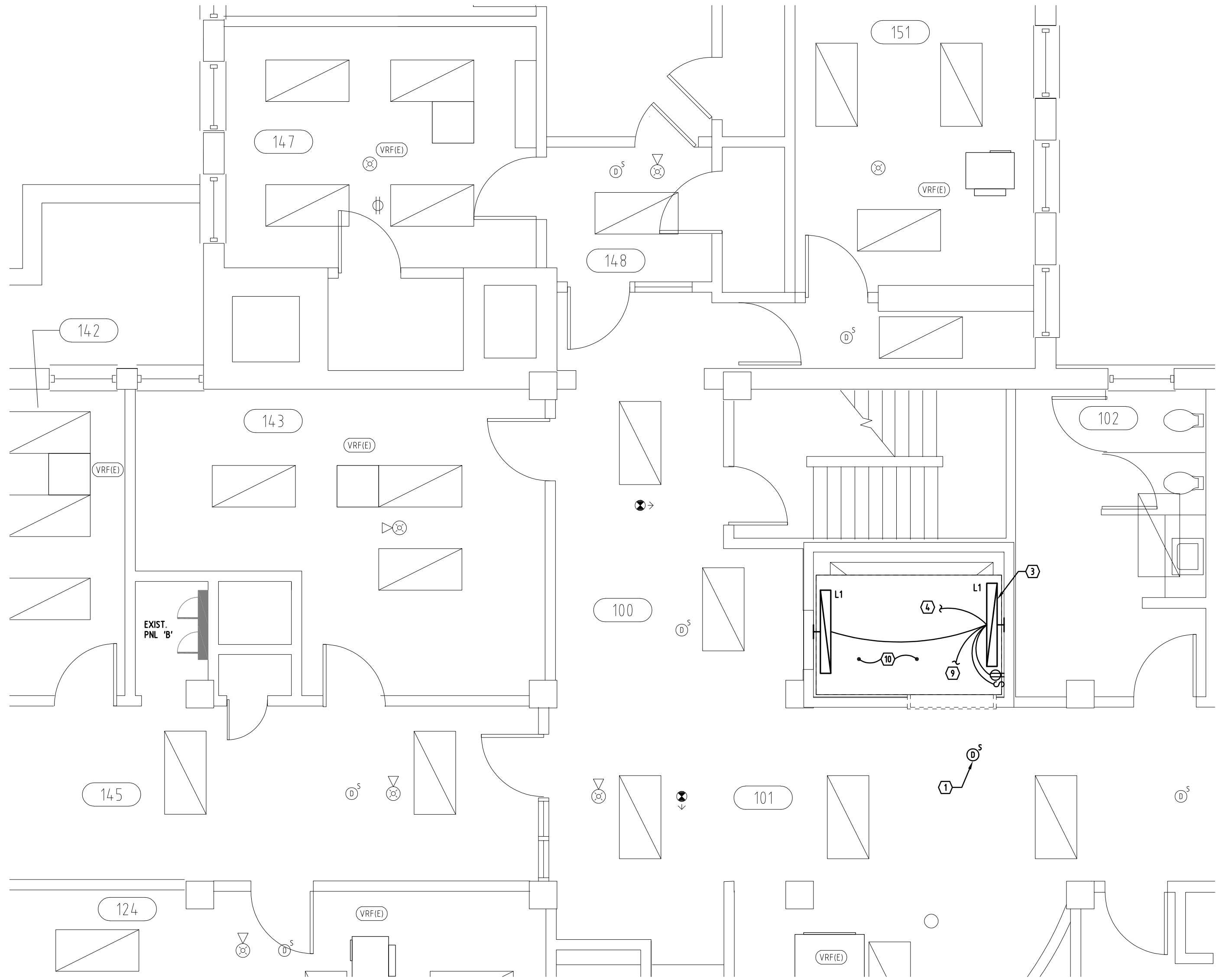
1. VERIFY EXACT INSTALLATION REQUIREMENTS WITH INSTALLATION MANUAL.
2. UNIT IS PROVIDED WITH INTERNAL SECONDARY DRAIN PAN.

PUMPED INDIRECT DRAIN DETAIL

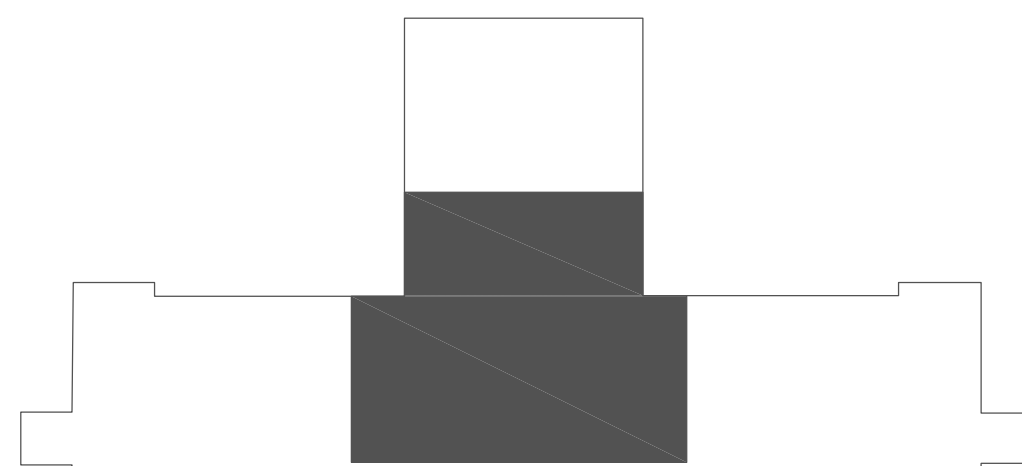
SCALE: NONE



GROUND FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



FIRST FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



KEYPLAN
SCALE: NTS

KEY NOTES SYMBOL = (X)

1. SMOKE DETECTOR AT ELEVATOR LANDING/MACHINE ROOM/HOISTWAY. DETECTOR SHALL INITIATE RECALL TO PRIMARY/ALTERNATE FLOOR. DETERMINED BY AHJ. PROVIDE COMPATIBLE DEVICE TO EXISTING FIRE ALARM SYSTEM.
2. HEAT DETECTOR IN HOISTWAY/ELEVATOR MACHINE ROOM. HEAT DETECTOR SHALL SHUT DOWN POWER TO ELEVATOR CONTROLLER. PROVIDE COMPATIBLE DEVICE TO EXISTING FIRE ALARM SYSTEM.
3. PROVIDE AND INSTALL LIGHT FIXTURES AND GFI RECEPTACLES IN ELEVATOR SHAFT PER STATE ELEVATOR REQUIREMENTS.
4. TO LIGHT FIXTURES ABOVE.
5. RELOCATE EXISTING SMOKE DETECTOR.
6. EXISTING ELEVATOR CONTROLLER TO BE REMOVED IN ITS ENTIRETY. REMOVE ALL CONDUIT/WIRE TO SOURCE.
7. EXISTING ELEVATOR TRANSFORMER AND SERVICE DISCONNECT TO BE REMOVED IN THEIR ENTIRETY. REMOVE ALL CONDUIT/WIRE TO SOURCE. EXISTING BREAKER(S) TO REMAIN AS SPARES.
8. RELOCATE EXISTING MINI-SPLIT TO TOP OF SHAFT. EXTEND ALL CONDUIT/WIRE AND CONTROLS TO NEW LOCATION SHOWN ON SHEET EL2. COORDINATE WITH MECHANICAL CONTRACTOR.
9. TO LIGHT FIXTURES BELOW.
10. TYPICAL. COORDINATE LIGHT AND SWITCH LOCATIONS WITH ELEVATOR INSTALLER AND MECHANICAL CONTRACTOR. PROVIDE BRACKETS AND POINT LIGHT DOWN FOR BEST COVERAGE ON LANDING.
11. ELEVATOR ENCLOSED CIRCUIT BREAKER FOR PERMANENT THREE-PHASE POWER TO ELEVATOR CONTROLLER, SEE ONE-LINE DIAGRAM. COORDINATE WITH ELEVATOR MANUFACTURER.
12. EXISTING CONDENSING UNIT, DISCONNECT, CONTROLS, AND RECEPTACLE TO BE RELOCATED TO ROOF. CONTRACTOR TO FIELD VERIFY EXISTING BREAKER AND CONDUIT/WIRE SIZE. COORDINATE WITH MECHANICAL CONTRACTOR.



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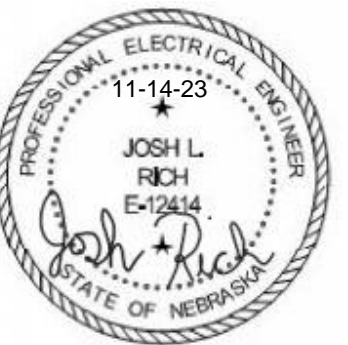
CERTIFICATE OF
AUTHORIZATION #: CA-1800

PROJECT #: 23-059

CRAFT STATE OFFICE BUILDING
ELEVATOR UPGRADE
200 SOUTH SILBER AVENUE
NORTH PLATTE, NE 69101

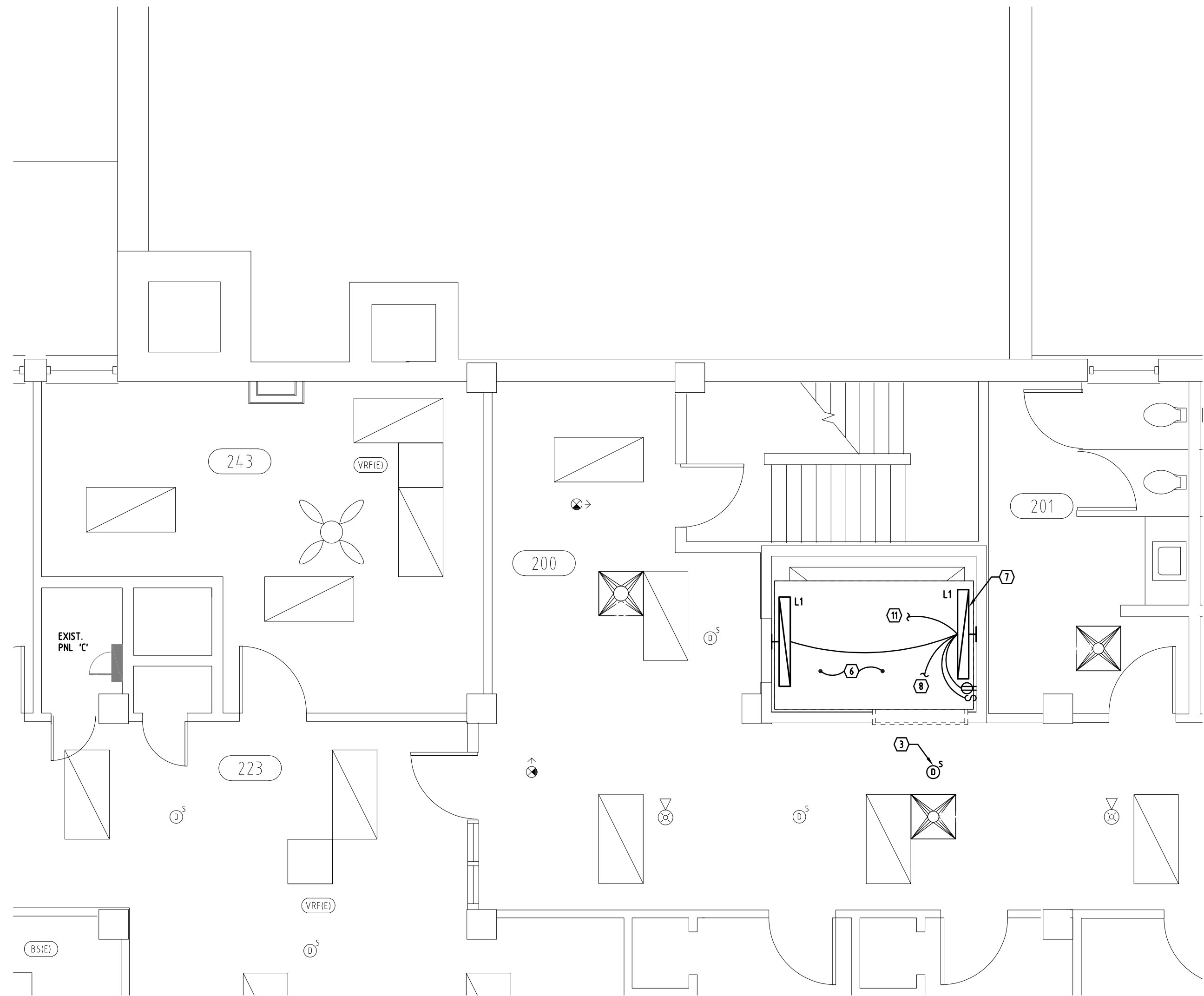
No.	Issued For	Date
1	ADDENDUM #1	11/14/2023

DATE:10/26/23

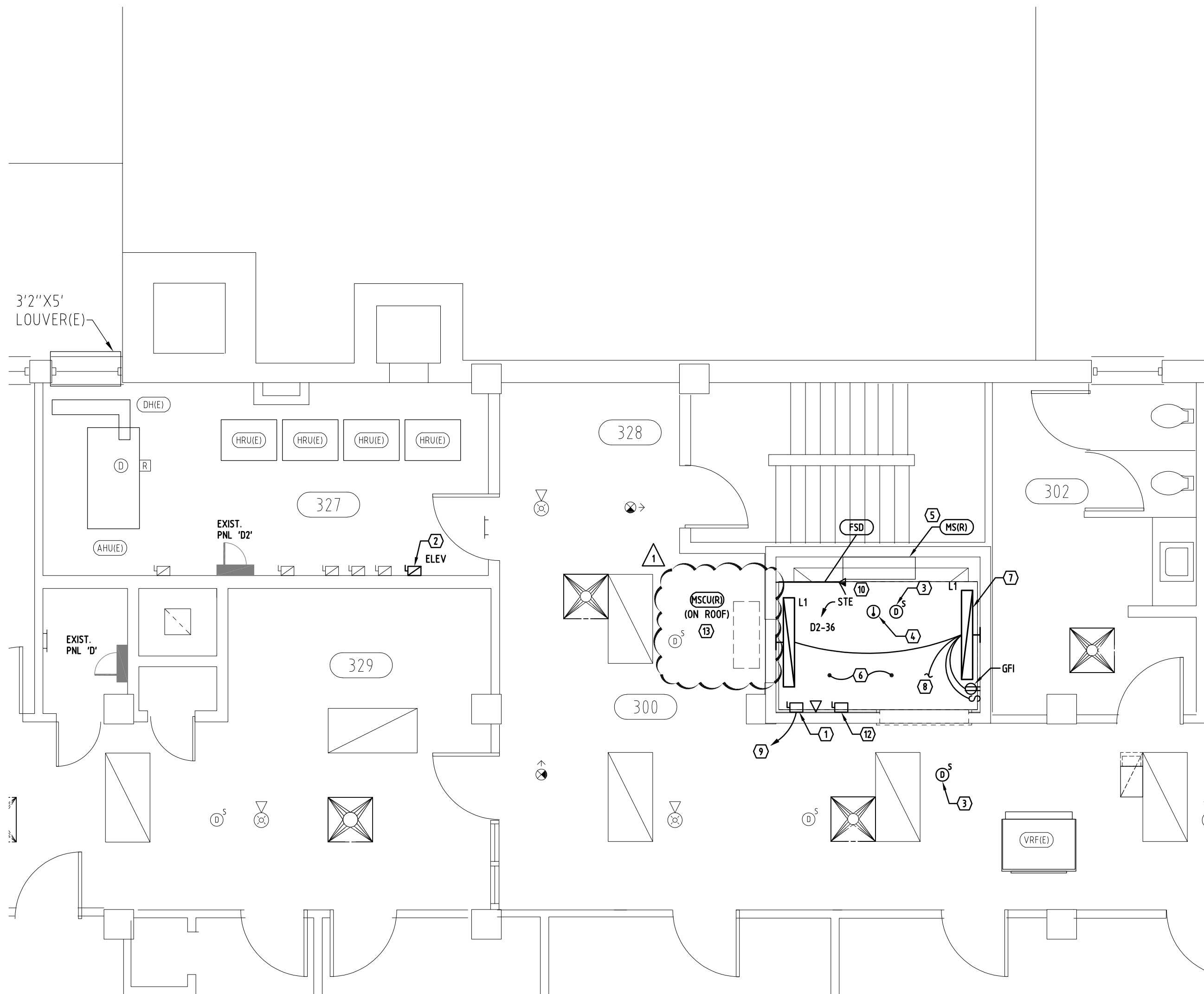


GROUND & FIRST FLOOR
PLAN - ELECTRICAL

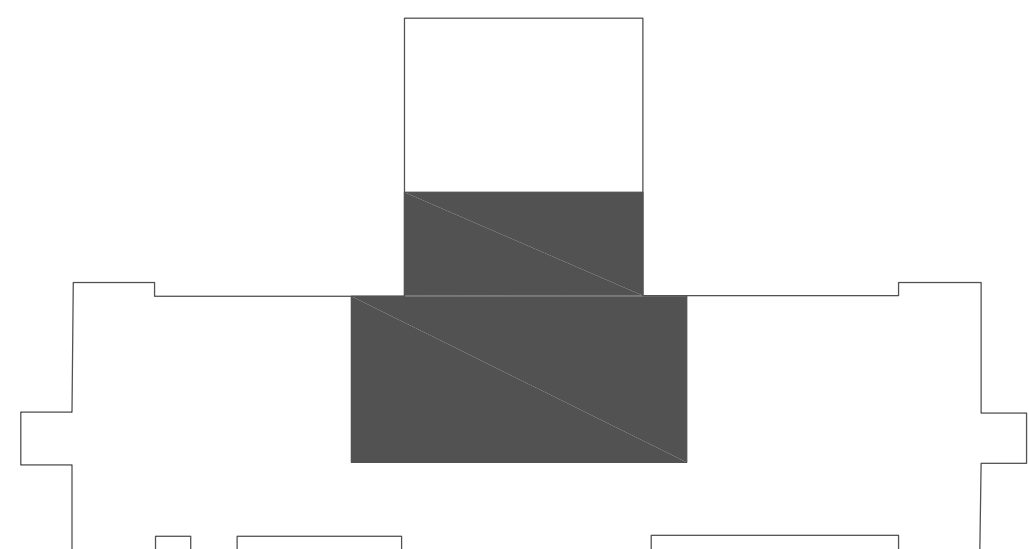
E1.1



➔ SECOND FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



➔ THIRD FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



➔ KEYPLAN
SCALE: NTS

KEY NOTES

SYMBOL = (X)

1. DEDICATED, LABELED 120V, 20A CIRCUIT TO ELEVATOR CONTROLLER FOR ELEVATOR LIGHTS/FAN. COORDINATE REQUIREMENTS WITH ELEVATOR MANUFACTURER. PROVIDE LOCKABLE 30A, NEMA-1 SAFETY SWITCH.

2. FUSED DISCONNECT FOR ELEVATOR POWER. SEE ELECTRICAL ONE-LINE DIAGRAM. COORDINATE WITH ELEVATOR MANUFACTURER.

3. SMOKE DETECTOR AT ELEVATOR LANDING/MACHINE ROOM/HOISTWAY. DETECTOR SHALL INITIATE RECALL TO PRIMARY/ALTERNATE FLOOR DETERMINED BY AHJ. PROVIDE COMPATIBLE DEVICE TO EXISTING FIRE ALARM SYSTEM.

4. HEAT DETECTOR IN HOISTWAY/ELEVATOR MACHINE ROOM. HEAT DETECTOR SHALL SHUT DOWN POWER TO ELEVATOR CONTROLLER. PROVIDE COMPATIBLE DEVICE TO EXISTING FIRE ALARM SYSTEM.

5. RELOCATED MINI-SPLIT. EXTEND ALL CONDUIT/WIRE AND CONTROLS TO THIS LOCATION. COORDINATE WITH MECHANICAL CONTRACTOR.

6. PROVIDE AND INSTALL LIGHT FIXTURES AND GFI RECEPTACLES IN ELEVATOR SHAFT PER STATE ELEVATOR REQUIREMENTS.

7. TYPICAL. COORDINATE LIGHT AND SWITCH LOCATIONS WITH ELEVATOR INSTALLER AND MECHANICAL CONTRACTOR. PROVIDE BRACKETS AND POINT LIGHT DOWN FOR BEST COVERAGE ON LANDING.

8. TO LIGHT FIXTURES BELOW.

9. ROUTE 2-#12, PLUS 1-#12 GND IN 3/4" IC TO EXISTING ELEVATOR CAB LIGHT/FAN CIRCUIT IN EXISTING SQUARE D PANEL 'A'. PROVIDE NEW BREAKER AS NECESSARY.

10. CONNECT FIRE/SMOKE DAMPER TO EXISTING FIRE ALARM SYSTEM.

11. TO LIGHT FIXTURES ABOVE.

12. DISCONNECT FOR ELEVATOR POWER, SEE ELECTRICAL ONE-LINE DIAGRAM. COORDINATE WITH ELEVATOR MANUFACTURER.

13. RELOCATED EXISTING CONDENSING UNIT ON ROOF. ROUTE MATCHING CONDUIT/WIRE TO PANEL 'D2'. PROVIDE NEW MATCHING BREAKER. COORDINATE WITH MECHANICAL CONTRACTOR.

⚠



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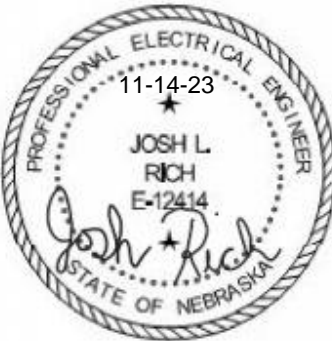
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DATE:10/26/23



SECOND AND THIRD
FLOOR PLAN -
ELECTRICAL

E1.2