

Replace 13 Elevators and 6 Escalators Truman State Office Building Jefferson City, MO

ARCHITECTURE &
ENGINEERING:



6 SOUTH OLD ORCHARD
ST. LOUIS, MO 63119
T 314.918.8383
F 314.918.1766
www.introba.com

ELEVATOR
CONSULTANT:



600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
(636) 861-2722

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E-105	ELECTRICAL ESCALATORS - NEW WORK
E-106	ELECTRICAL 8TH FLOOR - NEW WORK
E-107	ELECTRICAL PENTHOUSE - NEW WORK

OWNER:

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

PROJECT
MANAGEMENT:

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DESIGNER:

Introba

PROJECT NUMBER:

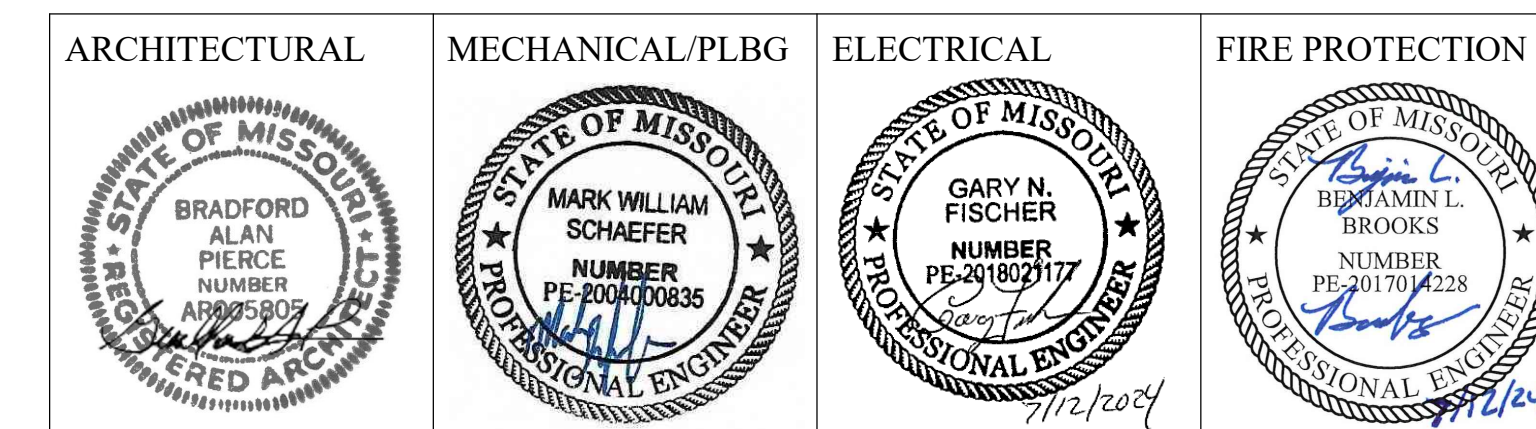
O2354-01

SITE NUMBER:

1001

FACILITY NUMBER:

3101001050



SHEET NUMBER:

G-000

SHEET NO. 1 OF 56
2024-07-12

ARCHITECTURAL SYMBOLS			
ANNOTATION			
#	KEYNOTE		SECTION - WALL
R308A	DOOR NUMBER		SECTION - DETAIL & CASEWORK
10'-0"	CEILING HEIGHT		
W1	WINDOW TYPE		
A0000	JSN TYPE		REVISION
A	SIGNAGE TYPE		COLUMN LINES
GF1A	PARTITION TYPE		
TLT-1	TOILET ACCESSORY TYPE		
Room Name 101	ROOM NAME AND NUMBER		FINISH FLOOR ELEVATION
1 A101	EXTERIOR BUILDING ELEVATION		
1 Ref	INTERIOR ELEVATION		
1 AD888	SECTION - BUILDING		DETAIL REFERENCE
			NORTH ARROW
			DETAIL REFERENCE
MODELING			
	NEW DOOR		NEW PARTITION
	EXISTING DOOR TO REMAIN		EXISTING PARTITION TO REMAIN
	EXISTING DOOR TO BE REMOVED		EXISTING PARTITION OR CONSTRUCTION TO BE REMOVED
LINETYPES			
CENTER LINE			
SMOKE PARTITION			
1 HR FIRE BARRIER			
2 HR FIRE BARRIER			
3 HR FIRE BARRIER			
4 HR FIRE BARRIER			
1 HR SMOKE BARRIER			
INSULATED FOR SOUND ATTENUATION			
PATH/ DIRECTION OF EGRESS			
HAND RAIL AND BUMPER RAIL			

GENERAL MATERIALS LEGEND	
NOT ALL SYMBOLS ARE USED	
	CMU
	CONCRETE
	EARTH (DETAIL/SECTION)
	FACE BRICK
	GRANULAR FILL
	GYP BD (DETAIL/SECTION)
	INSULATION-BATT
	INSULATION-RIGID (DETAIL/SECTION)
	INSULATION-SPRAYED ON (DETAIL/SECTION)
	PARTICLE BOARD (SECTION)
	PLYWOOD
	SAND
	STEEL
	WOOD
	WOOD BLOCKING
	WOOD SHIM

ABBREVIATIONS			
ACOUST	ACOUSTICAL	GA	GAUGE
ACT	ACOUSTICAL CEILING TILE	GALV	GALVANIZED
ADJ	ADJACENT	GB	GRAB BAR
AF	ACCESS FLOOR	GL	GLASS
AFF	ABOVE FINISH FLOOR	GR	GRADE
AGG	AGGREGATE	GRND	GROUND
ALT	ALTERNATE or ALTERNATIVE	GWB	GYP GYPSUM WALLBOARD
ALUM	ALUMINUM	GYP	GYP GYPSUM
APPROX	APPROXIMATE(LY)	H	HIGH
ARCH	ARCHITECTURAL/ARCHITECT	HB	HOSE BIBB
ASPH	ASPHALT	HD	HEAD
ATTN	ATTENTION	HDW	HARDWARE
BD	BOARD	HDWD	HARDWOOD
BLDG	BUILDING	HM	HOLLOW METAL
BLK	BLOCK	HORIZ	HORIZONTAL
BLKG	BLOCKING	HR	HOUR
BM	BEAM	HT	HEIGHT
BO	BOTTOM OF	HVAC	HEATING, VENTILATING AND AIR CONDITIONING
BRG	BEARING	ID	INSIDE DIAMETER
BSMT	BASEMENT	IN	INCH
BUR	BUILT-UP ROOFING	INFO	INFORMATION
CAB(S)	CABINET(S)	INSUL	INSULATION
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	INT	INTERIOR
CG	CORNER GUARD	JST	JOIST
CJ	CONTROL JOINT	JT	JOINT
CL	CENTER LINE	KIT	KITCHEN
CLG	CEILING	LAM	LAMINATE OR LAMINATED
CLOS	CLOSET	LAV	LAVATORY
CLR	CLEAR	LBR	LUMBER
CMU	CONCRETE MASONRY UNIT	LG	LIQUID GLAZE EPOXY
CO	CLEAN OUT	LKR	LOCKER
COL	COLUMN	LT	LIGHT
CONC	CONCRETE	LVT	LUXURY VINYL TILE
CONN	CONNECTION	M	MALE
CONST	CONSTRUCTION	MACH	MACHINE
CONT	CONTINUOUS	MANUF	MANUFACTURER
CONTR	CONTRACTOR	MAS	MASONRY
CPT	CARPET	MAX	MAXIMUM
CT	CERAMIC TILE	MECH	MECHANICAL
D	DEEP / DEPTH	MEMB	MEMBRANE
DBL	DOUBLE	MFR	MANUFACTURER
DEG	DEGREE	MH	MANHOLE
DF	DRINKING FOUNTAIN	MIN	MINIMUM
DIA	DIAMETER	MISC	MISCELLANEOUS
DIAG	DIAGONAL	MO	MASONRY OPENING
DIFF	DIFFUSER	MTD	MOUNTED
DIM	DIMENSION	MTL	METAL / MATERIAL
DISP	DISPENSER	MULL	MULLION
DN	DOWN	MWP	METAL WALL PANEL
DPW	DEPARTMENT OF PUBLIC WORKS	N	NORTH
DS	DOWNSPOUT	NIC	NOT IN CONTRACT
DT	DRAIN TILE	NO or #	NUMBER
DTL	DETAIL	NOM	NOMINAL
DWG(S)	DRAWING(S)	NTS	NOT TO SCALE
DWR	DRAWER	OC	ON CENTER
E	EAST	OD	OUTSIDE DIAMETER
EA	EACH	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
EJ	EXPANSION JOINT	OFF	OFFICE
EL	ELEVATION	OFOI	OWNER FURNISHED, OWNER INSTALLED
ELEC	ELECTRICAL	OH	OPPOSITE HAND
ELEV	ELEVATOR	OPNG	OPENING
ENGR	ENGINEER	OPP	OPPOSITE
EP	ELECTRICAL PANEL	PL	PLASTIC LAMINATE
EQ.	EQUAL	PLAS	PLASTER
EQUIP	EQUIPMENT	PLBG	PLUMBING
ESMT	EASEMENT	PLWD	PLYWOOD
EW	EYE WASH	POT	PORCELAIN TILE
EWC	ELECTRIC WATER COOLER	PR	PAIR
EXH	EXHAUST	PREFAB	PREFABRICATED
EXIST	EXISTING	PROJ	PROJECTION
EXP	EXPANSION	PRTN	PARTITION
EXP AGG	EXPOSED AGGREGATE	PT	PAINT
EXT	EXTERIOR	PT	PRESSURE TREATED
FA	FIRE ALARM	PTD	PAPER TOWEL DISPENSER
FCU	FAN COIL UNIT		
FD	FLOOR DRAIN		
FE	FIRE EXTINGUISHER		
FEC	FIRE EXTINGUISHER CABINET		
FF	FINISH FLOOR		
FIN	FINISH		
FLASH	FLASHING		
FLR	FLOOR		
FND	FOUNDATION		
FRZ	FREEZER		
FT	FEET (FOOT)		
FTG	FOOTING		
FUR	FURRING		
FUT	FUTURE		
FV	FIELD VERIFY		
		RA	RETURN AIR
		RAD	RADIUS
		RCP	REFLECTED CEILING PLAN
		REF	REFERENCE/REFER TO
		REFR	REFRIGERATOR
		REIN	REINFORCING OR REINFORCEMENT
		REOD	REQUIRED
		REV	REVISION
		RM	ROOM
		RO	ROUGH OPENING
		RT	RUBBER TILE
		RTU	ROOF TOP UNIT
		S	SOUTH
		S STL	STAINLESS STEEL
		SA	SUPPLY AIR
		SA	SANITARY
		SC	SEALED CONCRETE
		SCHED	SCHEDULE
		SD	SMOKE DETECTOR
		SECT	SECTION
		SF	SQUARE FEET
		SHT	SHEET
		SHWR	SHOWER
		SIM	SIMILAR
		SND	SANITARY NAPKIN DISPENSER
		SNR	SANITARY NAPKIN RECEPTACLE
		SPAN	SPANDREL
		SPEC	SPECIFICATION
		SPMR	SINGLE PLY MEMBRANE ROOF(ING)
		SQ	SQUARE
		SS	STAINLESS STEEL
		SSK	SERVICE SINK
		SSM	SOLID SERVICE MATERIAL
		SST	SAFETY STATION
		STD	STANDARD
		STL	STEEL
		STOR	STORAGE
		STRUC	STRUCTURE
		SUSP	SUSPENDED
		SVT	SOLID VINYL TILE
		T & B	TOP AND BOTTOM
		T & G	TONGUE AND GROOVE
		TB	TACKBOARD
		TELE	TELEPHONE
		TEMP	TEMPERED
		TG	TILE GROUT
		TH	THICK
		THRU	THROUGH
		TO	TOP OF
		TOC	TOP OF CURB
		TOP	TOP OF PAVEMENT
		TOW	TOP OF WALL
		TP	TOILET PAPER
		TP	TOILET PARTITION
		TS	TUB SURROUND
		TTD	TOILET TISSUE DISPENSER
		TV	TELEVISION
		TYP	TYPICAL
		UC	UNDER COUNTER
		UC REFR	UNDER COUNTER REFRIGERATOR
		UCB	UNDER COUNTER BRACKET
		UH	UNIT HEATER
		UL	UNDERWRITER'S LABORATORY
		UNIFN	UNFINISHED
		UNO	UNLESS NOTED OTHERWISE
		UR	URINAL
		VB	VINYL BASE
		VCT	VINYL COMPOSITION TILE
		VERT	VERTICAL
		VEST	VESTIBULE
		VIF	VERIFY IN FIELD
		VTR	VENT THROUGH ROOF
		VW	VINYL WALL COVERING
		W	WEST
		W	WIDE
		W/(O)	WITH / WITHOUT
		WC	WATER CLOSET
		WD	WOOD
		WH	WALL HYDRANT
		WIND	WINDOW
		WP	WALL PROTECTION
		WS	WIRE SHELVING
		WT	WINDOW TREATMENT
		WWF	WELDED WIRE FABRIC
		WWM	WELDED WIRE MESH
		YD	YARD

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL

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MISSOURI STATE CERTIFICATE
OF AUTHORITY #000148

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ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: MAH _____
CHECKED BY: BAP _____
DESIGNED BY: MAH _____

SHEET TITLE:

LEGEND, SYMBOLS
AND
ABBREVIATIONS

SHEET NUMBER:

A-000

SHEET NO. 2 OF 56
2024-07-12



PROFESSIONAL SEAL

ARCHITECTURE &
ENGINEERING



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PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
NORTH PASSENGER
ELEVATORS DEMO 1,
2, 3, 4 & 13

SHEET NUMBER:

AD-101

SHEET NO. 3 OF 56
2024-07-12

GENERAL DEMOLITION NOTES

- EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY, AND WILL NOT BE CONSTRUED AS "AS BUILT". THE CONTRACTOR WILL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ONSET OF CONSTRUCTION.
- SEE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS FOR THE EXTENT OF THEIR WORK. COORDINATE DEMOLITION WORK IN OCCUPIED SPACES AND NOTIFY OWNER TWO WEEKS PRIOR TO COMMENCING WORK. MINIMIZE DISRUPTIONS TO SPACES THAT REMAIN IN OPERATION. PROTECT EXISTING FLOOR, WALL, AND CEILING FINISHES.
- THE CONTRACTOR WILL PROVIDE FALL AND SAFETY PROTECTION AT ANY HAZARDOUS CONDITION CAUSED BY THE DEMOLITION PROCESS.
- NOTES WHICH DO NOT HAVE ARROWS TO SPECIFIC ITEMS INDICATE MATERIAL TO BE REMOVED FOR ENTIRE ROOM IN WHICH NOTE OCCURS.
- MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER SUITABLE FOR NEW FINISHES AND SURFACES.
- WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN IN THE FINISHED WORK, SUCH CONDITIONS WILL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES. REPAIRS MUST BE ACCEPTABLE TO OWNER.
- THE CONTRACTOR WILL CLEAN, PATCH, AND REPAIR EXISTING SURFACES AFFECTED DURING DEMOLITION AND CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES. REPAIRS WILL BE MADE AS TO MATCH EXISTING CONSTRUCTION IN MATERIAL, METHOD, TECHNOLOGY, COLOR PATTERNS, ETC.
- CONTRACTOR WILL VERIFY, MAINTAIN, AND PROTECT ALL EXISTING FIRE-RATED AND/OR SMOKE-RATED ASSEMBLIES WITHIN THE PROJECT AREA THAT ARE TO REMAIN DURING CONSTRUCTION. ALL FIRE WATCHES ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

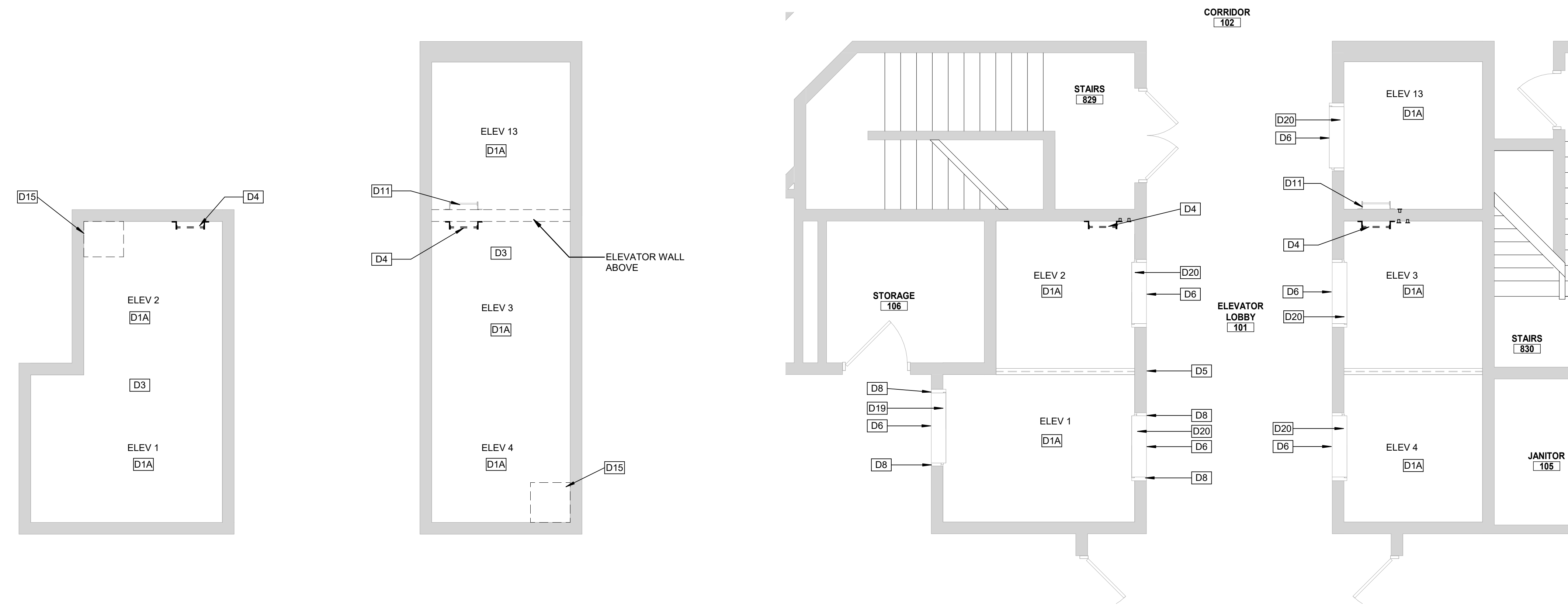
SHEET KEYNOTES

D1A	EXISTING ELEVATOR STRUCTURAL PLATFORM AND SLINGS TO REMAIN. EXISTING CAB ENCLOSURE TO BE REMOVED AND REPLACED WITH NEW INTERIOR FINISHES.
D2	BRONZE ELEVATOR HOISTWAY DOOR PANELS TO BE REMOVED AND PREPPED FOR REPLACEMENT. ELEVATOR DOOR HEAD, JAMBS, AND TRANSOM TO BE PREPPED FOR RECLADDING WITH STAINLESS STEEL SHEET.
D3	EXISTING ELEVATOR PIT TO REMAIN.
D4	EXISTING PIT LADDER TO BE REMOVED AND SALVAGED FOR RELOCATION.
D5	EXISTING CAST BRONZE ELEVATOR HALL BUTTON FACEPLATE TO BE REMOVED AND TURNED OVER TO OWNER.
D6	EXISTING ELEVATOR HALL LANTERNS TO BE REMOVED.
D8	REMOVE EXISTING HIGHLOW VINYL WALL BUMPER RAILS AT ELEVATOR 1 ENTRY.
D11	EXISTING METAL PIT ACCESS LADDER TO REMAIN.
D15	SAWCUT AND REMOVE EXISTING CONCRETE SLAB AS REQUIRED TO INSTALL NEW SUMP PIT AND ASSOCIATED PLUMBING WORK. SEE DETAIL 3/A103
D19	PAINTED STEEL ELEVATOR HOISTWAY DOOR PANELS TO BE REMOVED AND PREPPED FOR REPLACEMENT. EXISTING PAINTED STEEL ELEVATOR DOOR HEAD, JAMBS, AND TRANSOM TO BE PREPPED FOR REPAINTING.
D20	EXISTING PAINTED STEEL ELEVATOR DOOR PANELS, HEAD, JAMBS AND TRANSOM TO BE PREPPED FOR REPAINTING.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

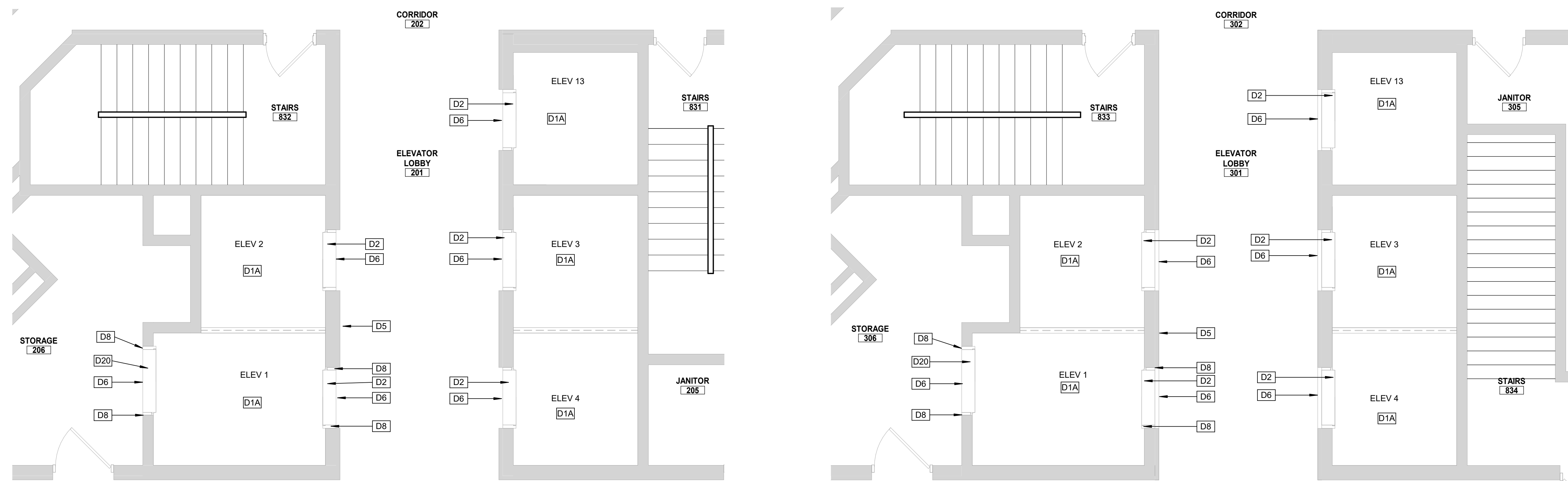
PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE PASSENGER ELEVATOR NOS. 1 - 4, 13 AND 5 - 8, 14 IN THE BUILDING, TWO (2) ELEVATORS AT A TIME.

- NORMAL WORKING HOURS FOR THE CONTRACTOR IN THIS SECTION SHALL BE BETWEEN 6:30AM AND 5:00PM ON WEEKDAYS. OFF-HOUR WORK IS ALLOWED FOR CALL BUTTON UPGRADES AND FIRE ALARM PRETESTING.
- ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ELEVATOR PER GROUP TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
- PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ELEVATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.



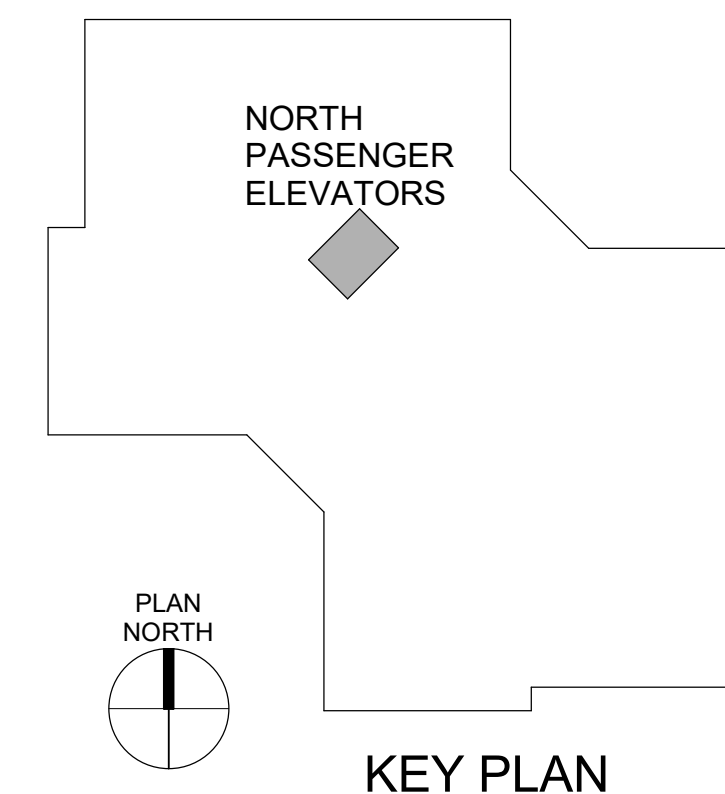
PLAN NORTH
TRUE NORTH
1
ELEVATOR PIT DEMO - NORTH PASSENGER ELEVATORS
1/4" = 1'-0"

PLAN NORTH
TRUE NORTH
2
1ST FLOOR DEMO - NORTH PASSENGER ELEVATORS
1/4" = 1'-0"



PLAN NORTH
TRUE NORTH
3
2ND FLOOR DEMO - NORTH CORE
1/4" = 1'-0"

PLAN NORTH
TRUE NORTH
4
3RD FLOOR DEMO - NORTH PASSENGER ELEVATORS
1/4" = 1'-0"





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CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:

NORTH PASSENGER
ELEVATORS DEMO 1,
2, 3, 4 & 13

SHEET NUMBER:

AD-102

SHEET NO. 4 OF 56
2024-07-12

GENERAL DEMOLITION NOTES

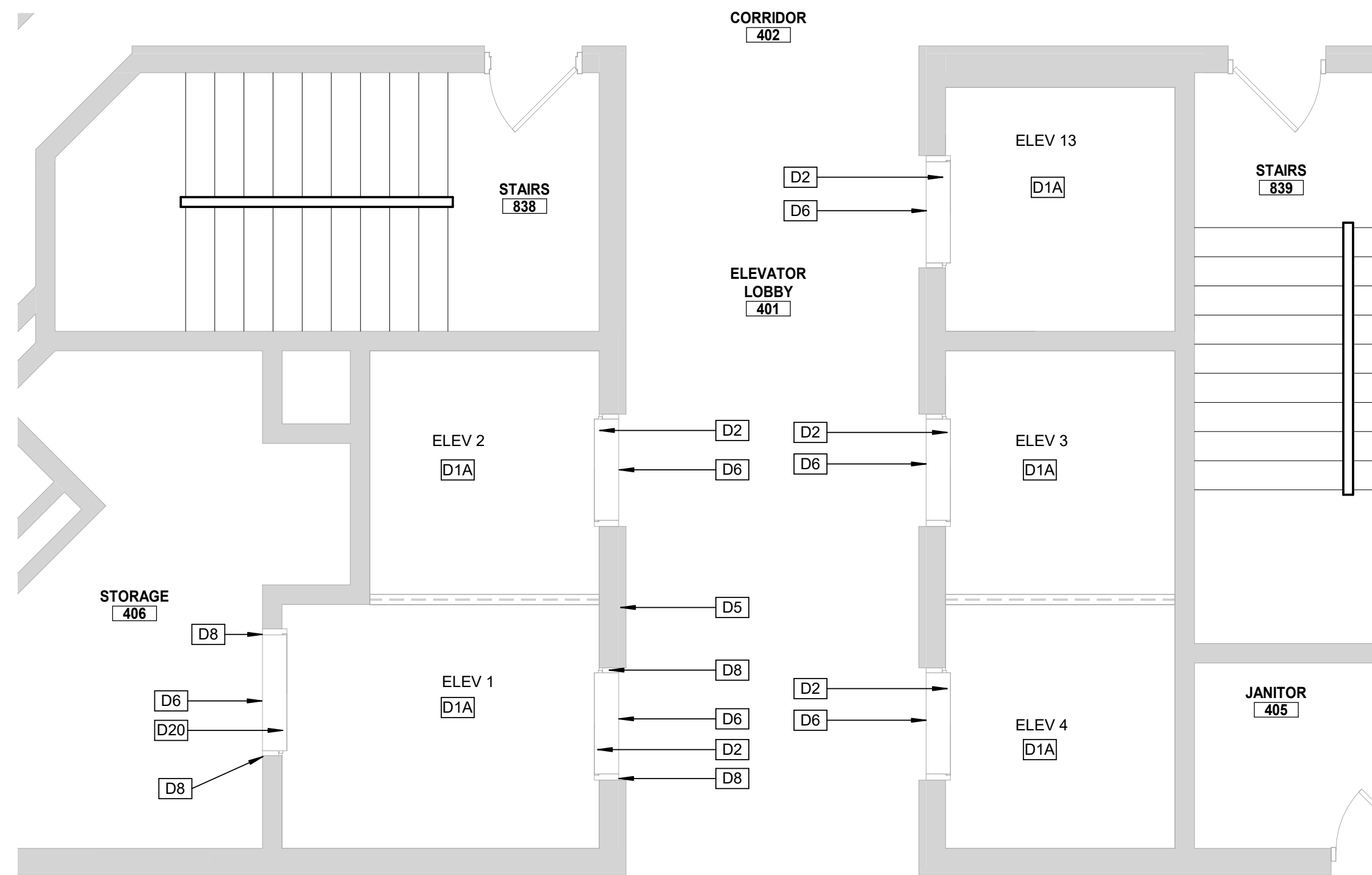
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Key Note Legend

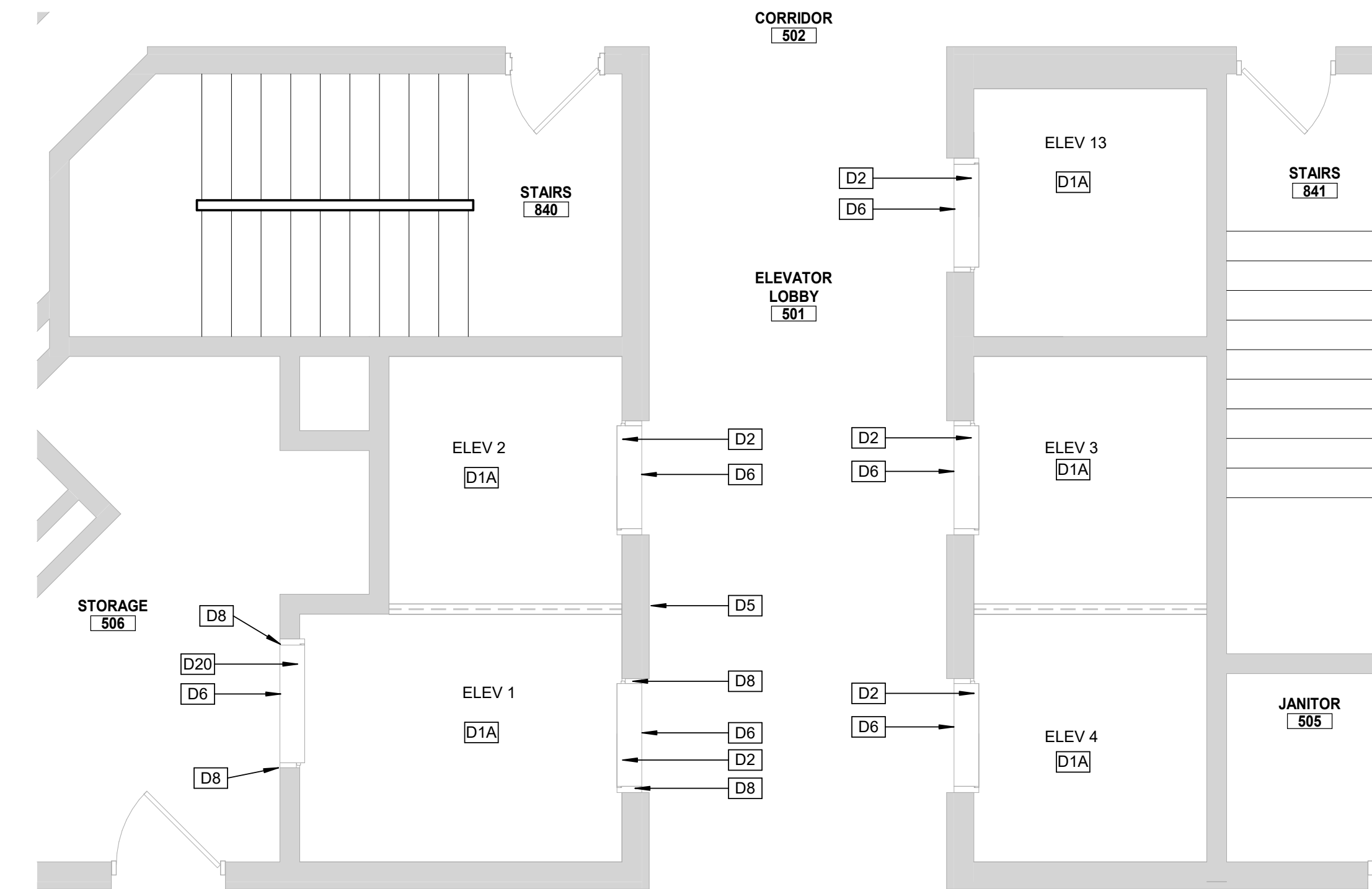
Key Value	Keynote Text
D1A	EXISTING ELEVATOR STRUCTURAL PLATFORM AND SLINGS TO REMAIN. EXISTING CAB ENCLOSURE TO BE REMOVED AND REPLACED WITH NEW INTERIOR FINISHES.
D2	BRONZE ELEVATOR HOISTWAY DOOR PANELS TO BE REMOVED AND PREPPED FOR REPLACEMENT. ELEVATOR DOOR HEAD, JAMBS, AND TRANSOM TO BE PREPPED FOR RECLADDING WITH STAINLESS STEEL SHEET.
D5	EXISTING CAST BRONZE ELEVATOR HALL BUTTON FACEPLATE TO BE REMOVED AND TURNED OVER TO OWNER.
D6	EXISTING ELEVATOR HALL LANTERNS TO BE REMOVED.
D8	REMOVE EXISTING HIGH/LOW VINYL WALL BUMPER RAILS AT ELEVATOR 1 ENTRY.
D20	EXISTING PAINTED STEEL ELEVATOR DOOR PANELS, HEAD, JAMBS AND TRANSOM TO BE PREPPED FOR REPAINTING.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

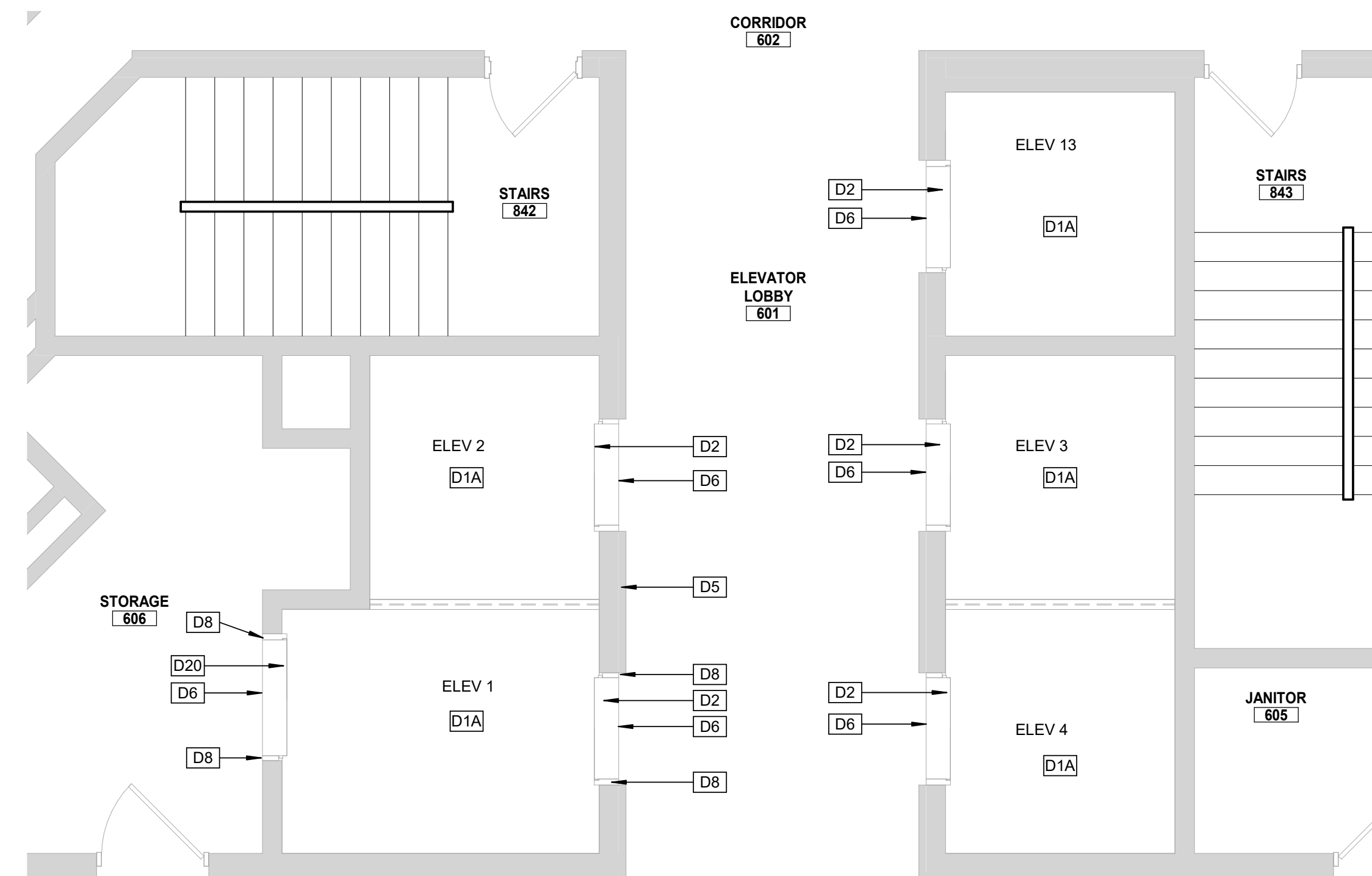
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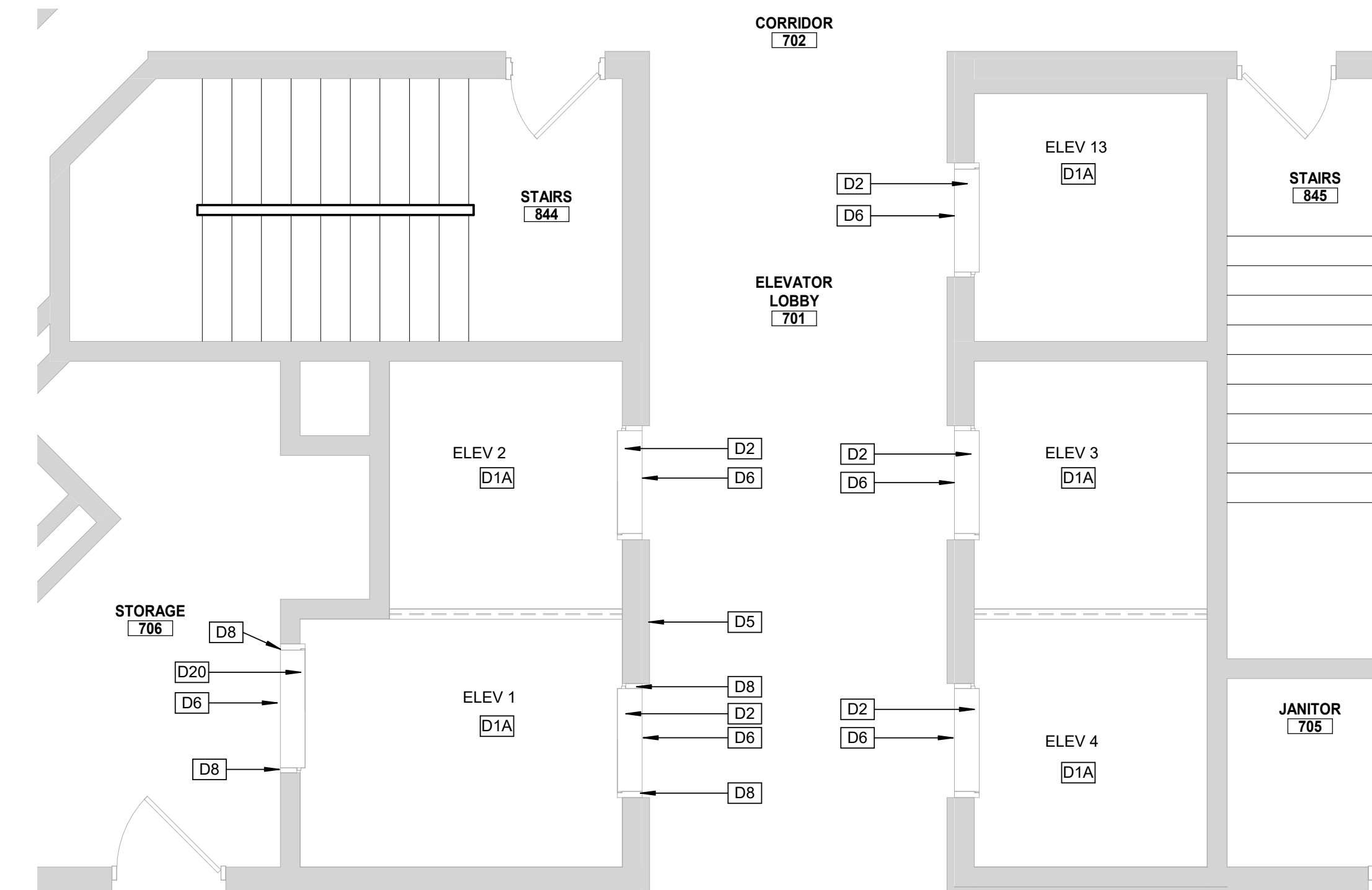
PLAN NORTH
TRUE NORTH
1
4TH FLOOR DEMO - NORTH PASSENGER
ELEVATORS
1/4" = 1'-0"



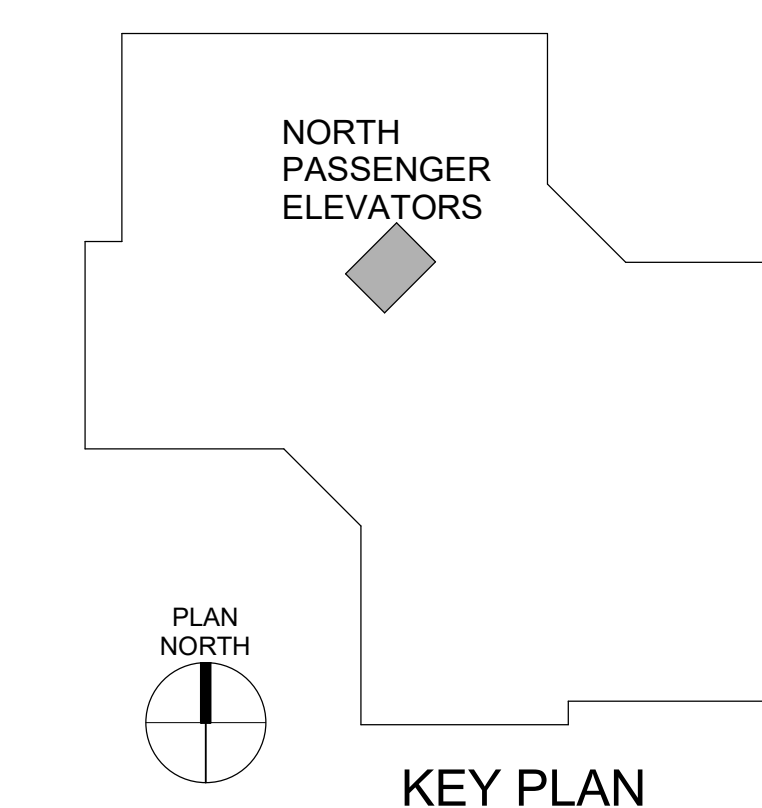
PLAN NORTH
TRUE NORTH
2
5TH FLOOR DEMO - NORTH PASSENGER
ELEVATORS
1/4" = 1'-0"



PLAN NORTH
TRUE NORTH
3
6TH FLOOR DEMO - NORTH PASSENGER
ELEVATORS
1/4" = 1'-0"



PLAN NORTH
TRUE NORTH
4
7TH FLOOR DEMO - NORTH PASSENGER
ELEVATORS
1/4" = 1'-0"





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MISSOURI STATE CERTIFICATE
OF AUTHORITY #000148

ELEVATOR
CONSULTANT



600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
(636) 861-2722

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:

NORTH PASSENGER
ELEVATORS DEMO 1,
2, 3, 4 & 13

SHEET NUMBER:

AD-103

SHEET NO. 5 OF 56
2024-07-12

GENERAL DEMOLITION NOTES

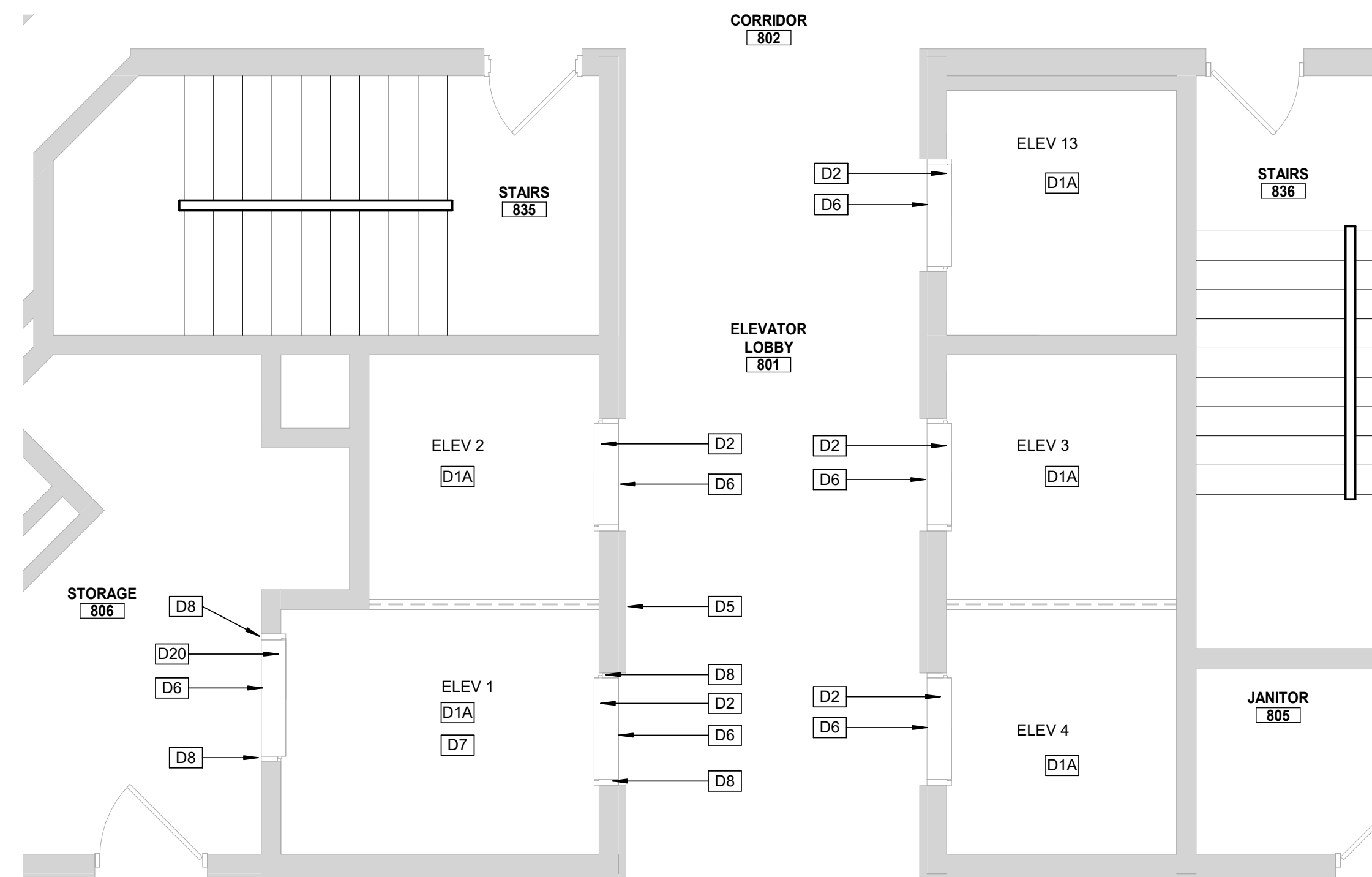
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- SEE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS FOR THE EXTENT OF THEIR WORK. COORDINATE DEMOLITION WORK IN OCCUPIED SPACES AND NOTIFY OWNER TWO WEEKS PRIOR TO COMMENCING WORK. MINIMIZE DISRUPTIONS TO SPACES THAT REMAIN IN OPERATION. PROTECT EXISTING FLOOR, WALL, AND CEILING FINISHES.
- THE CONTRACTOR WILL PROVIDE FALL AND SAFETY PROTECTION AT ANY HAZARDOUS CONDITION CAUSED BY THE DEMOLITION PROCESS.
- NOTES WHICH DO NOT HAVE ARROWS TO SPECIFIC ITEMS INDICATE MATERIAL TO BE REMOVED FOR ENTIRE ROOM IN WHICH NOTE OCCURS.
- MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER SUITABLE FOR NEW FINISHES AND SURFACES.
- WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN IN THE FINISHED WORK SUCH CONDITIONS WILL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES. REPAIRS MUST BE ACCEPTABLE TO OWNER.
- THE CONTRACTOR WILL CLEAN, PATCH, AND REPAIR EXISTING SURFACES AFFECTED DURING DEMOLITION AND CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES. REPAIRS WILL BE MADE AS TO MATCH EXISTING CONSTRUCTION IN MATERIAL, METHOD, TECHNOLOGY, COLOR PATTERNS, ETC.
- CONTRACTOR WILL VERIFY, MAINTAIN, AND PROTECT ALL EXISTING FIRE-RATED AND/OR SMOKE-RATED ASSEMBLIES WITHIN THE PROJECT AREA THAT ARE TO REMAIN DURING CONSTRUCTION. ALL FIRE WATCHES ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

Key Note Legend

Key Value	Keynote Text
D1A	EXISTING ELEVATOR STRUCTURAL PLATFORM AND SLINGS TO REMAIN. EXISTING CAB ENCLOSURE TO BE REMOVED AND REPLACED WITH NEW INTERIOR FINISHES.
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D5	EXISTING CAST BRONZE ELEVATOR HALL BUTTON FACEPLATE TO BE REMOVED AND TURNED OVER TO OWNER.
D6	EXISTING ELEVATOR HALL LANTERNS TO BE REMOVED.
D7	REMOVE EXISTING WOOD FORMS FROM CONCRETE ROOF AT TOP OF ELEVATOR 1 SHAFT
D8	REMOVE EXISTING HIGH/LOW VINYL WALL BUMPER RAILS AT ELEVATOR 1 ENTRY.
D9	ALL RELATED TRACTION ELEVATOR EQUIPMENT (DRIVE MACHINES, CONTROLLERS AND SAFETY GOVERNORS) TO BE REMOVED BY ELEVATOR CONTRACTOR.
D16	EXISTING FIRE SERVICE PANELS SERVING ELEVATORS TO BE REMOVED. COORDINATE PHASING WITH ELEVATOR BEING REMOVED. REFER TO FIRE PROTECTION DRAWINGS.
D20	EXISTING PAINTED STEEL ELEVATOR DOOR PANELS, HEAD, JAMBS AND TRANSOM TO BE PREPPED FOR REPAINTING.

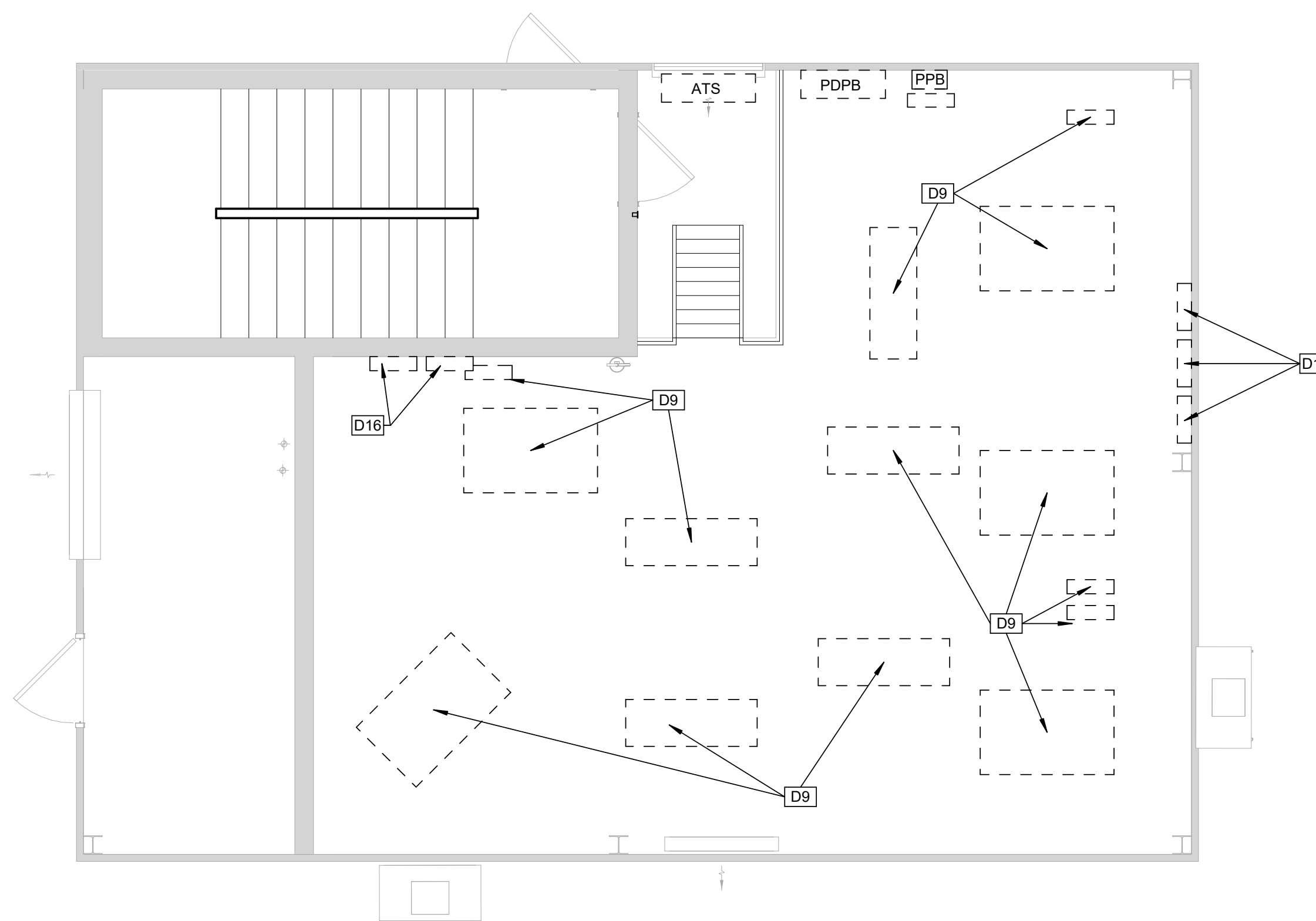
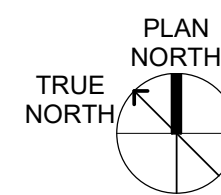
CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

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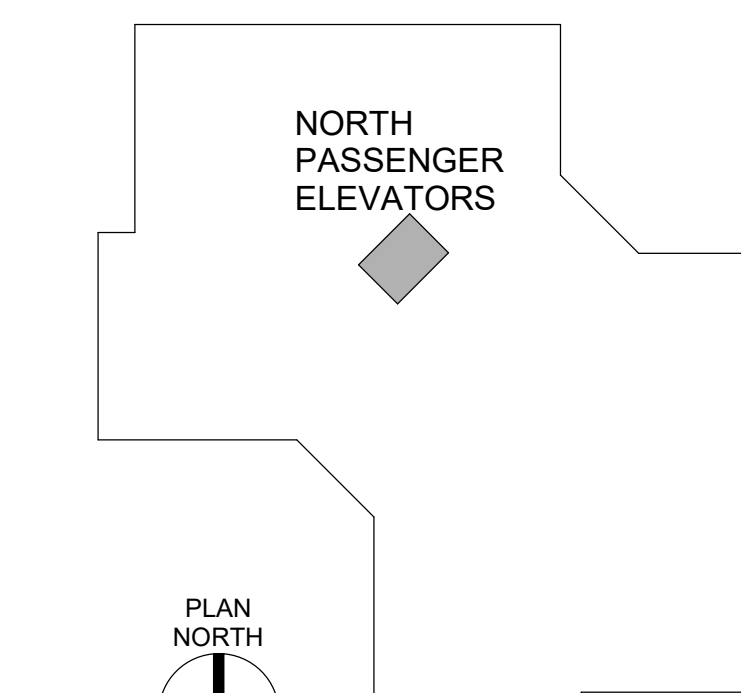
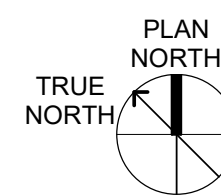
8TH FLOOR DEMO - NORTH PASSENGER ELEVATORS

1/4" = 1'-0"



ELEVATOR PENTHOUSE DEMO - NORTH PASSENGER ELEVATORS

1/4" = 1'-0"



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Replace 13 Elevators and 6
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REVISION: _____
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DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:

**SOUTH PASSENGER
ELEVATORS DEMO 5,
6, 7, 8 & 14**

SHEET NUMBER:

AD-104

SHEET NO. 6 OF 56
2024-07-12

GENERAL DEMOLITION NOTES

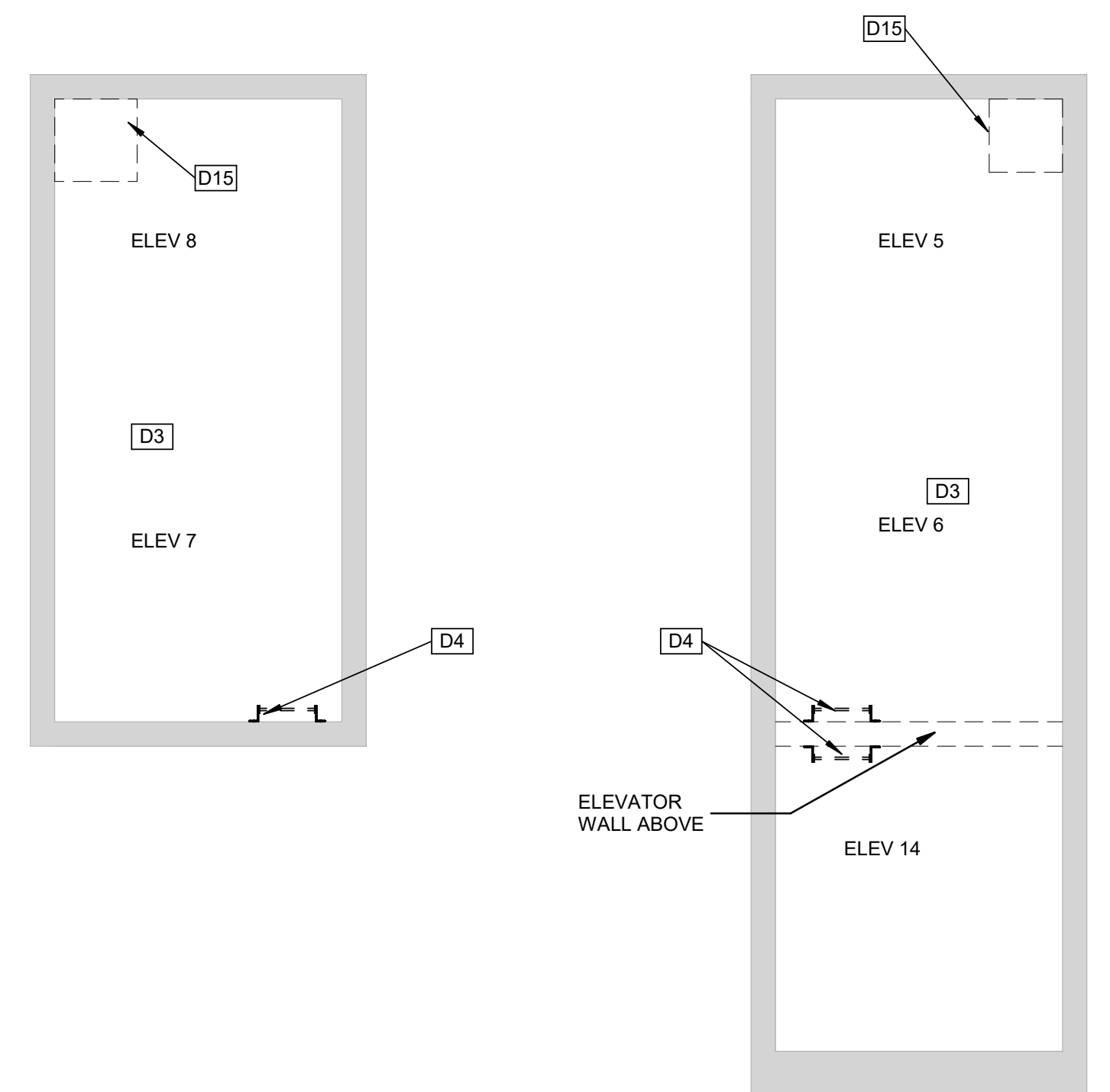
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- B. SEE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS FOR THE EXTENT OF THEIR WORK. COORDINATE DEMOLITION WORK IN OCCUPIED SPACES AND NOTIFY OWNER TWO WEEKS PRIOR TO COMMENCING WORK. MINIMIZE DISRUPTIONS TO SPACES THAT REMAIN IN OPERATION. PROTECT EXISTING FLOOR, WALL, AND CEILING FINISHES.
- C. THE CONTRACTOR WILL PROVIDE FALL AND SAFETY PROTECTION AT ANY HAZARDOUS CONDITION CAUSED BY THE DEMOLITION PROCESS.
- D. NOTES WHICH DO NOT HAVE ARROWS TO SPECIFIC ITEMS INDICATE MATERIAL TO BE REMOVED FOR ENTIRE ROOM IN WHICH NOTE OCCURS.
- E. MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER SUITABLE FOR NEW FINISHES AND SURFACES.
- F. WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN IN THE FINISHED WORK SUCH CONDITIONS WILL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES. REPAIRS MUST BE ACCEPTABLE TO OWNER.
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Key Note Legend

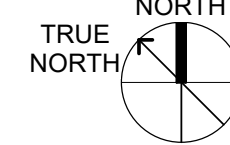
Key Value	Keynote Text
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D3	EXISTING ELEVATOR PIT TO REMAIN.
D4	EXISTING PIT LADDER TO BE REMOVED AND SALVAGED FOR RELOCATION.
D5	EXISTING CAST BRONZE ELEVATOR HALL BUTTON FACEPLATE TO BE REMOVED AND TURNED OVER TO OWNER.
D6	EXISTING ELEVATOR HALL LANTERNS TO BE REMOVED.
D15	SAWCUT AND REMOVE EXISTING CONCRETE SLAB AS REQUIRED TO INSTALL NEW SUMP PIT AND ASSOCIATED PLUMBING WORK. SEE DETAIL 3/A103

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

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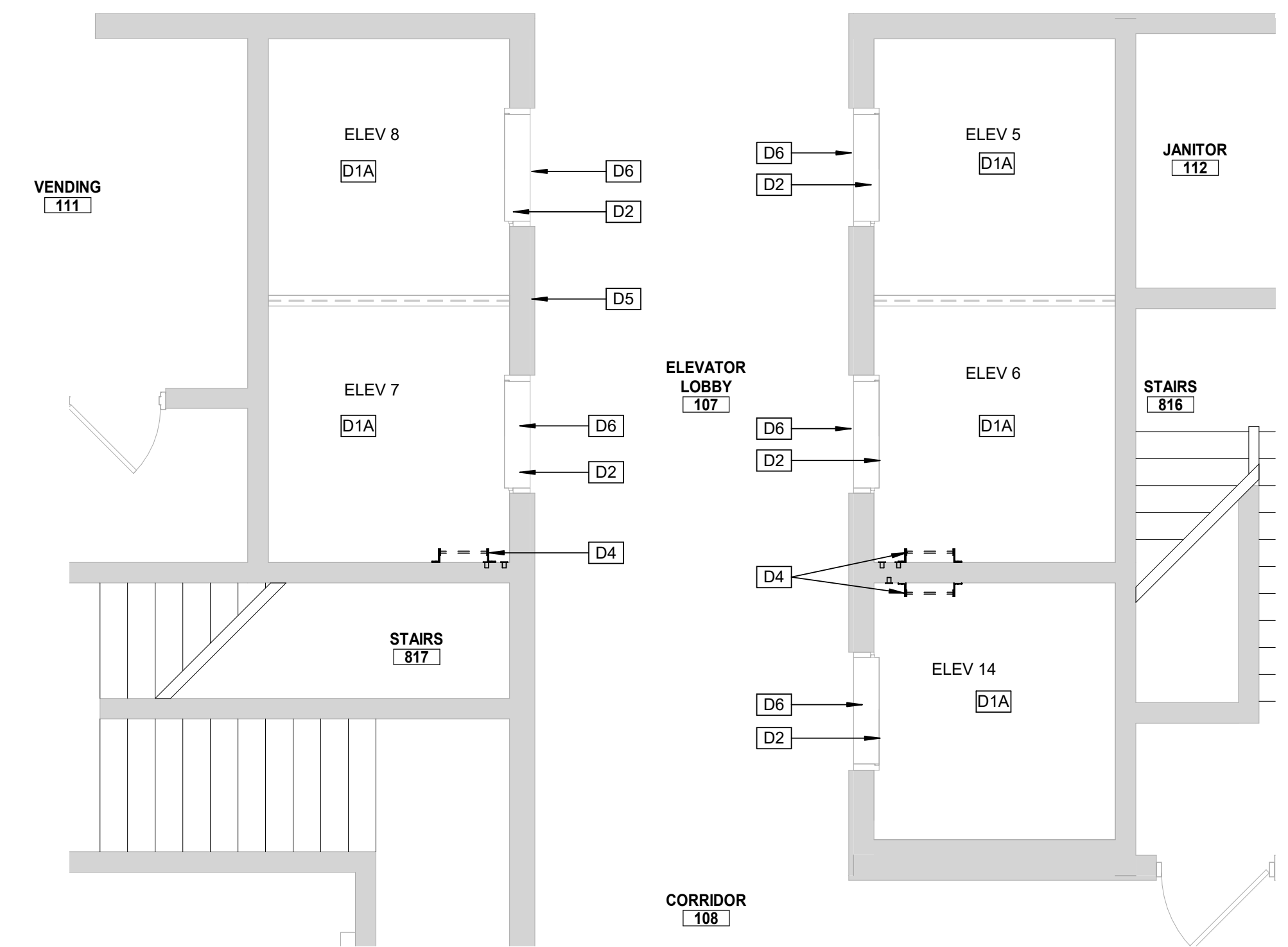


ELEVATOR PIT DEMO - SOUTH PASSENGER ELEVATORS

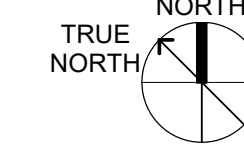


1

1/4" = 1'-0"

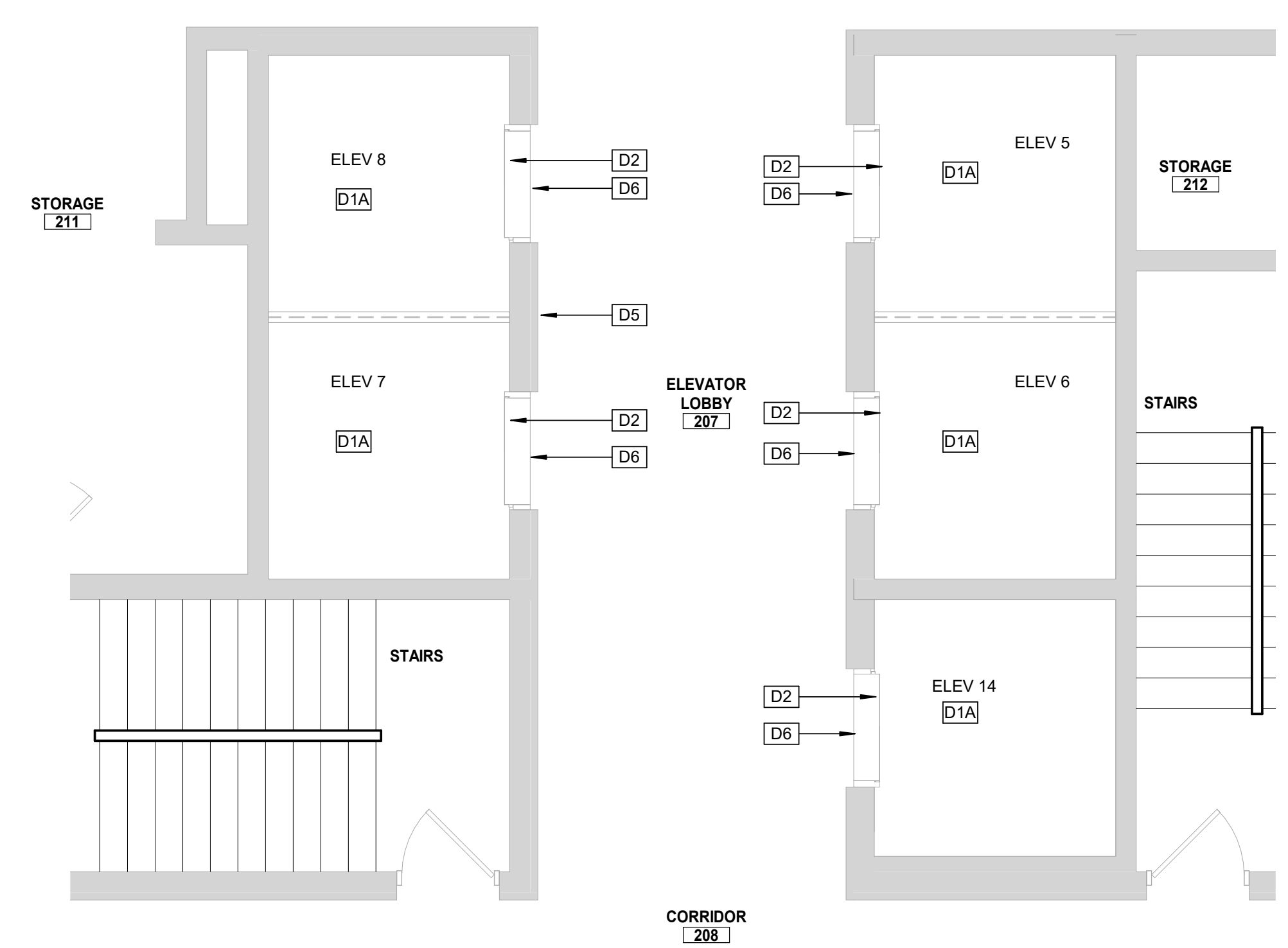


1ST FLOOR DEMO - SOUTH PASSENGER ELEVATORS

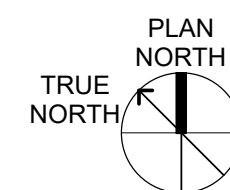


2

1/4" = 1'-0"

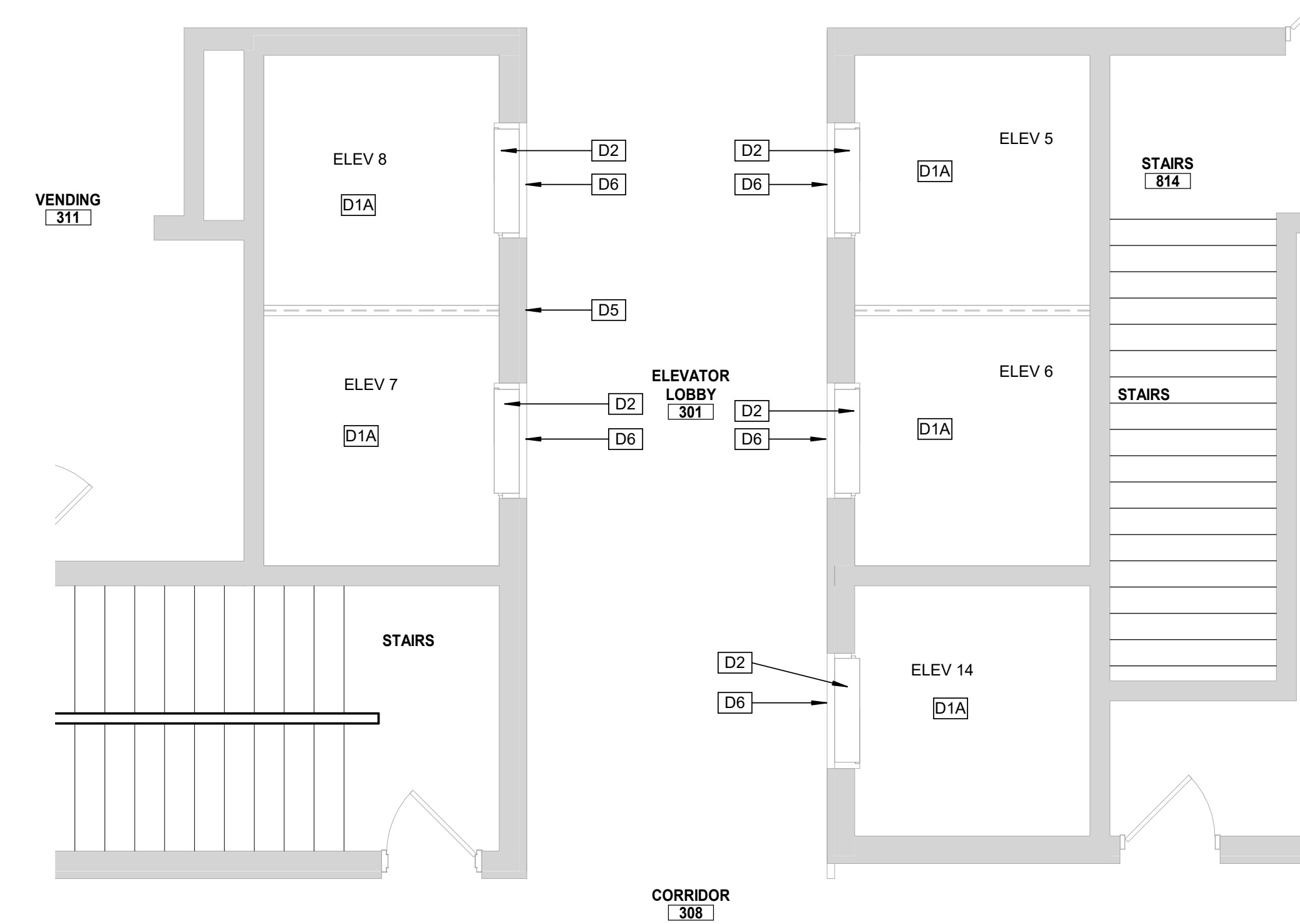


2ND FLOOR DEMO - SOUTH PASSENGER ELEVATORS

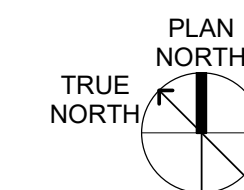


3

1/4" = 1'-0"

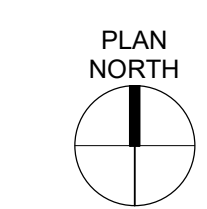
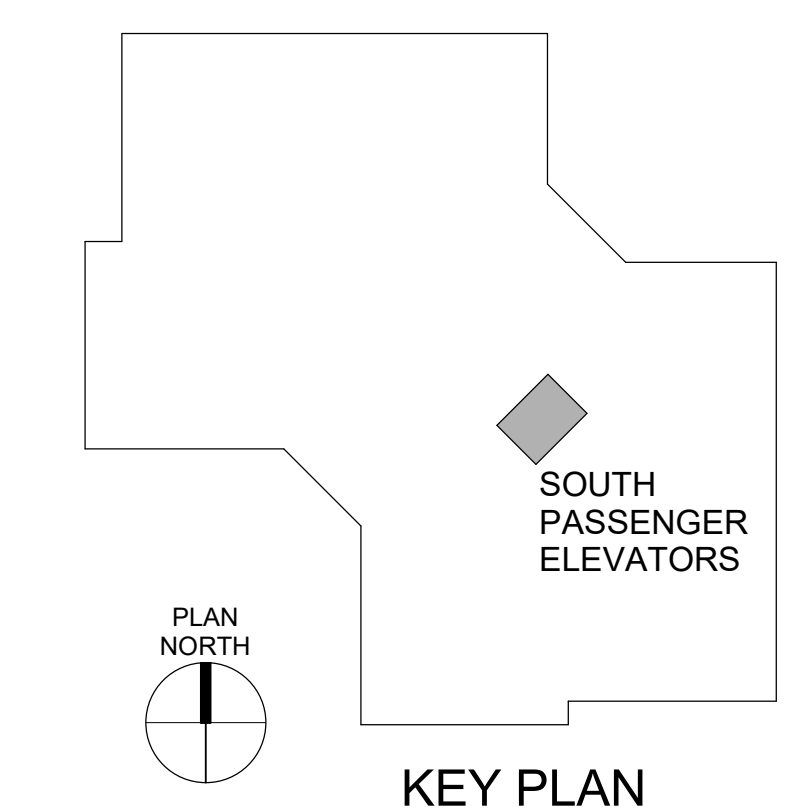


3RD FLOOR DEMO - SOUTH PASSENGER ELEVATORS



4

1/4" = 1'-0"



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GENERAL DEMOLITION NOTES

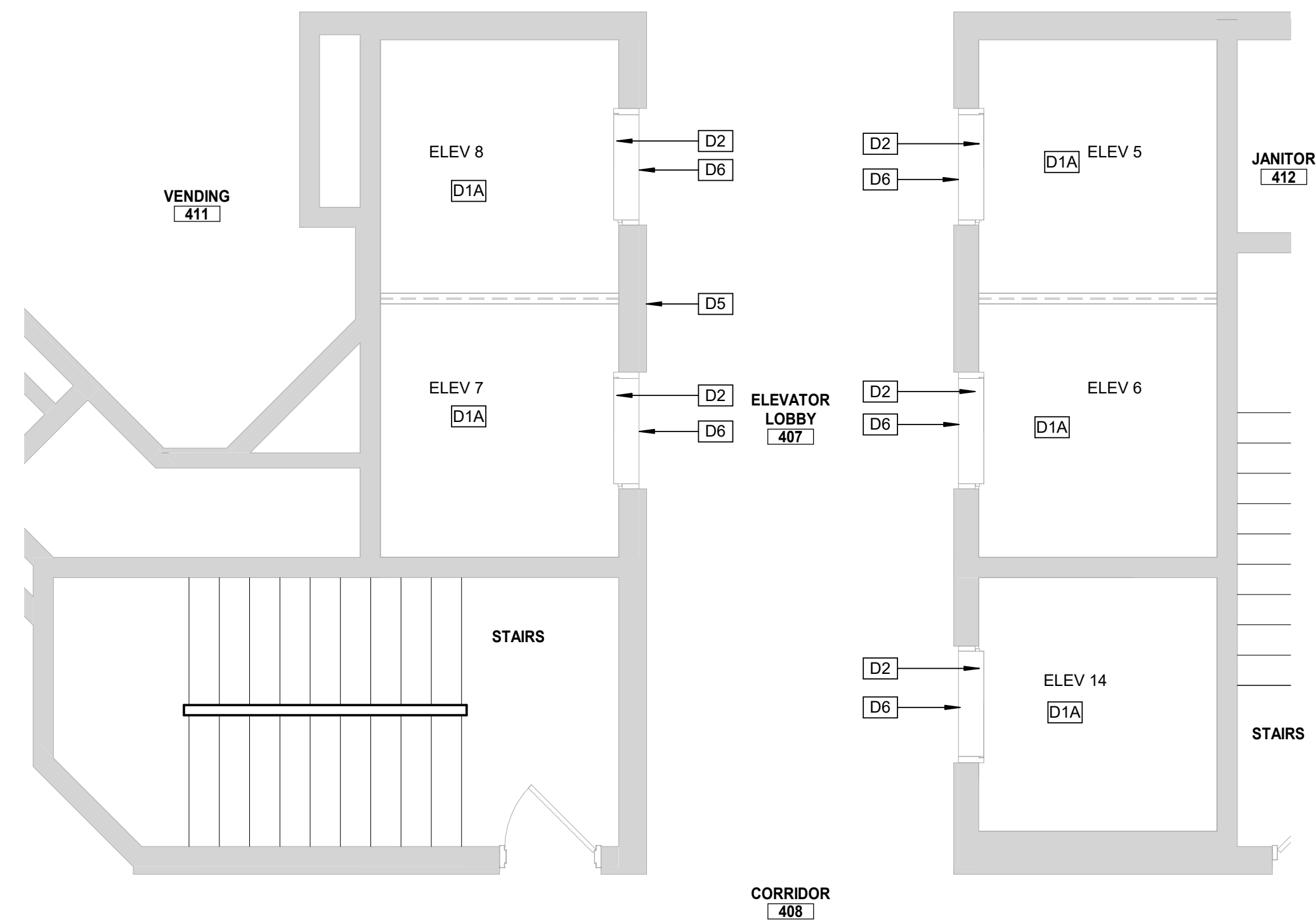
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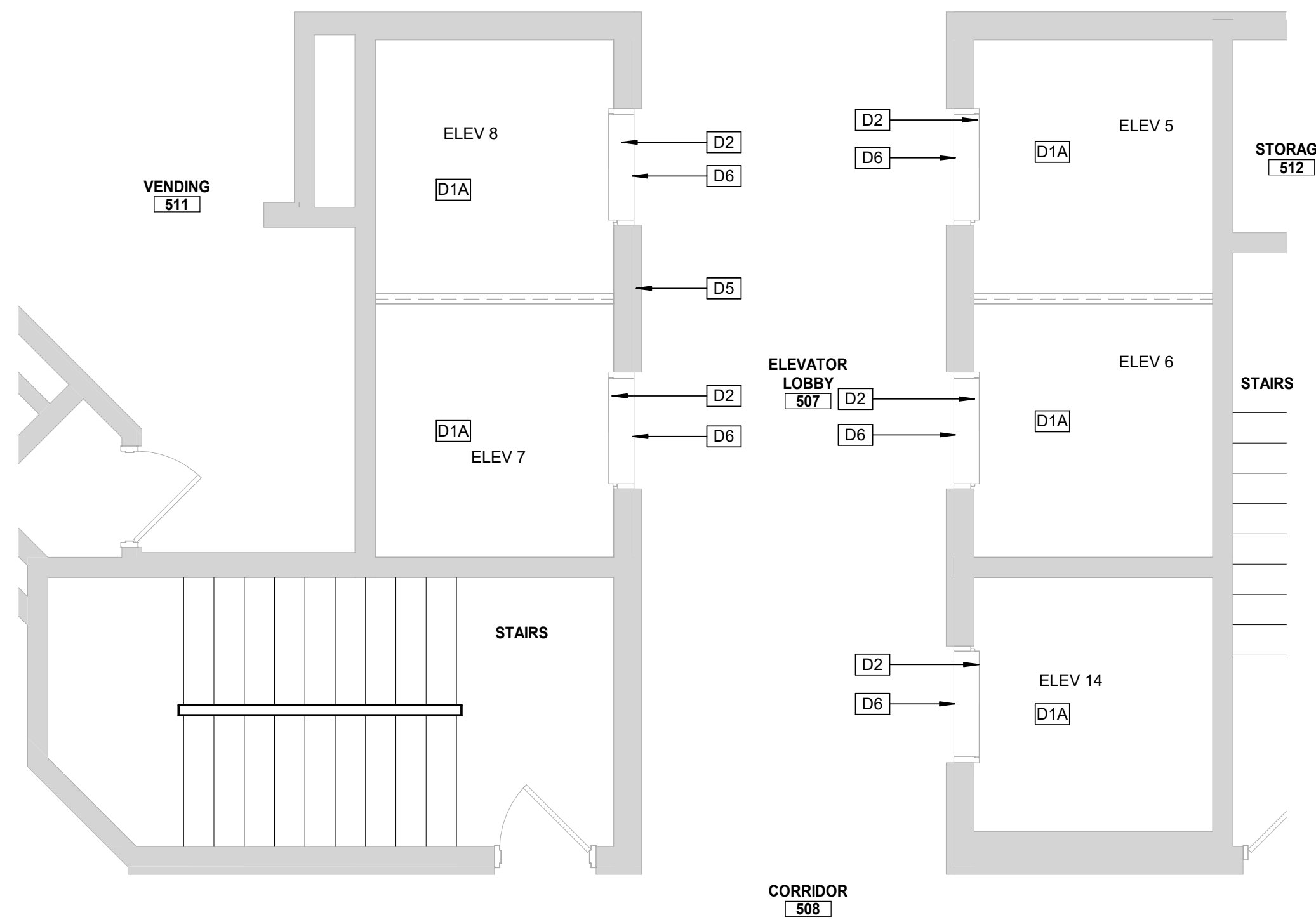
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D6	EXISTING ELEVATOR HALL LANTERNS TO BE REMOVED.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

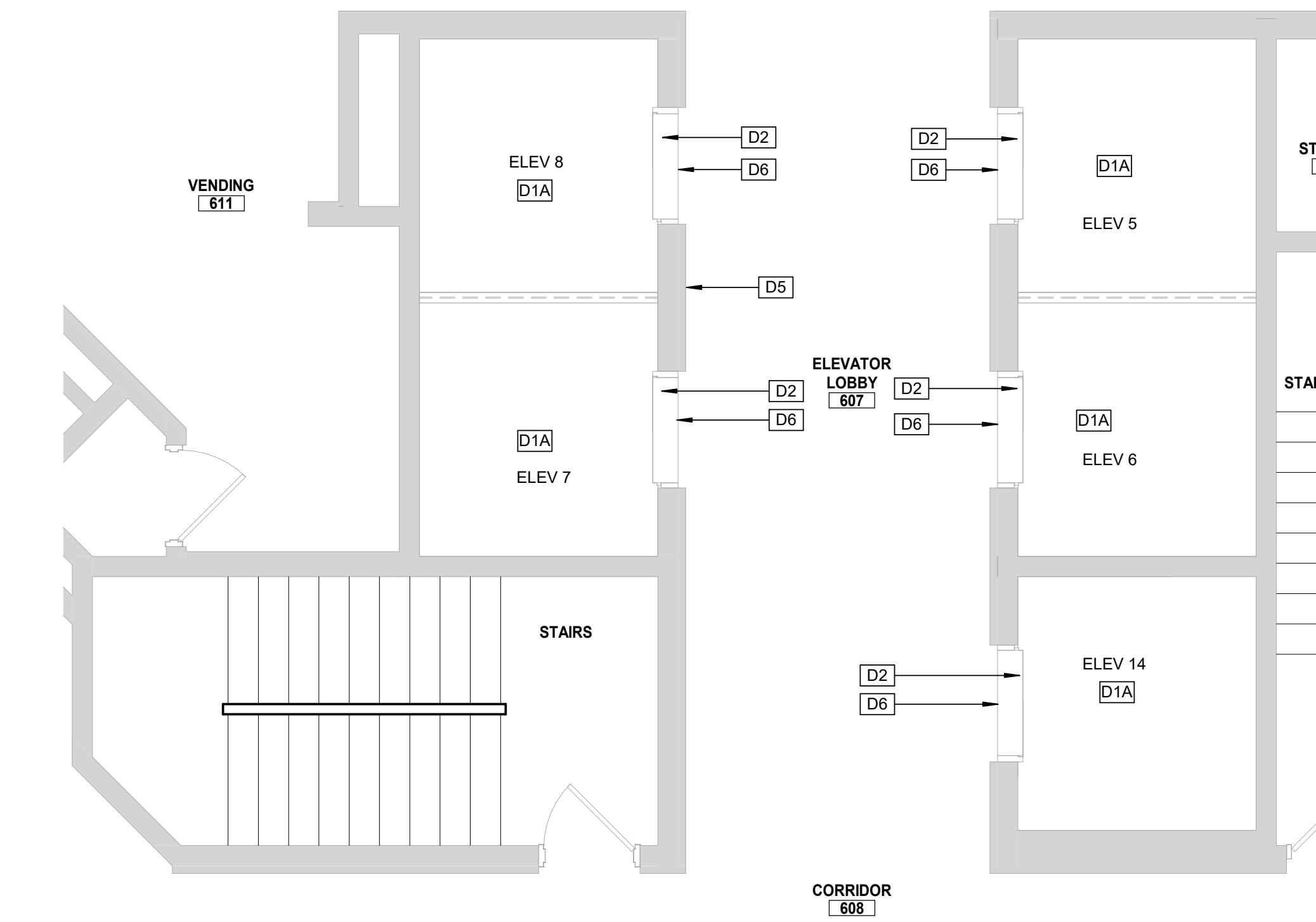
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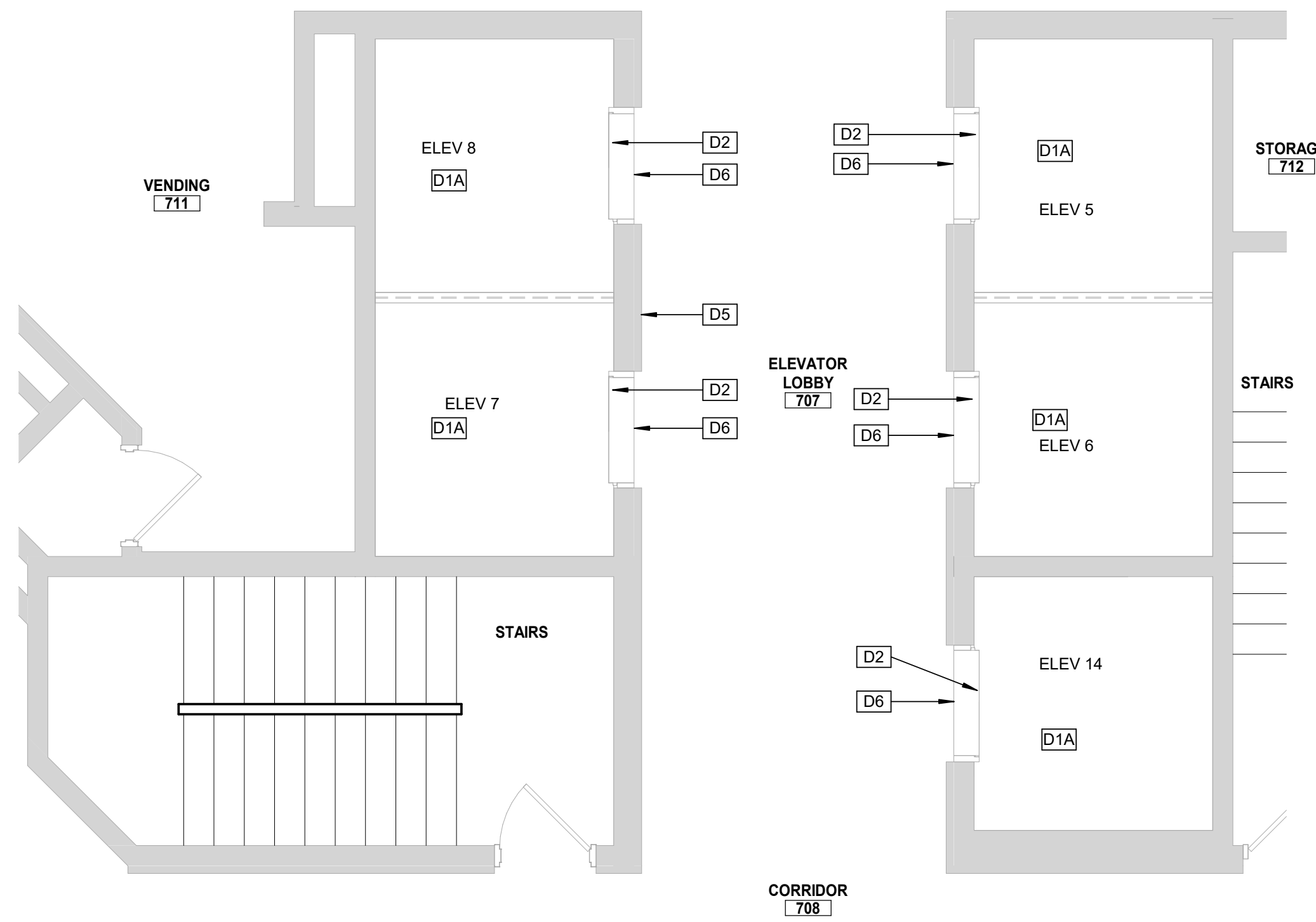
1
4TH FLOOR DEMO - SOUTH PASSENGER ELEVATORS
1/4" = 1'-0"



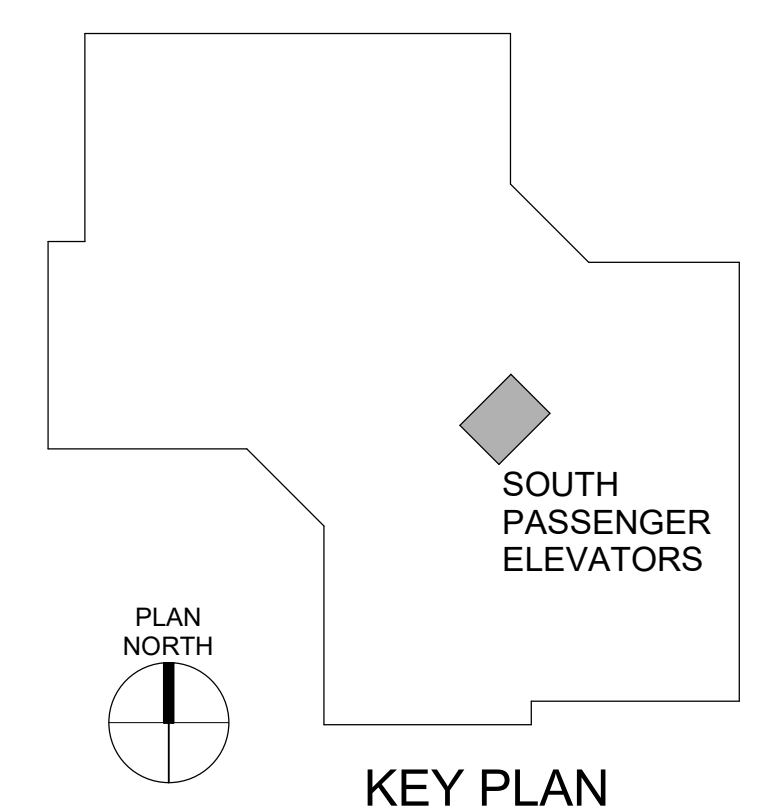
2
5TH FLOOR DEMO - SOUTH PASSENGER ELEVATORS
1/4" = 1'-0"



3
6TH FLOOR DEMO - SOUTH PASSENGER ELEVATORS
1/4" = 1'-0"



4
7TH FLOOR DEMO - SOUTH PASSENGER ELEVATORS
1/4" = 1'-0"



OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6 Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
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DATE: _____
ISSUE DATE: 2024-07-12

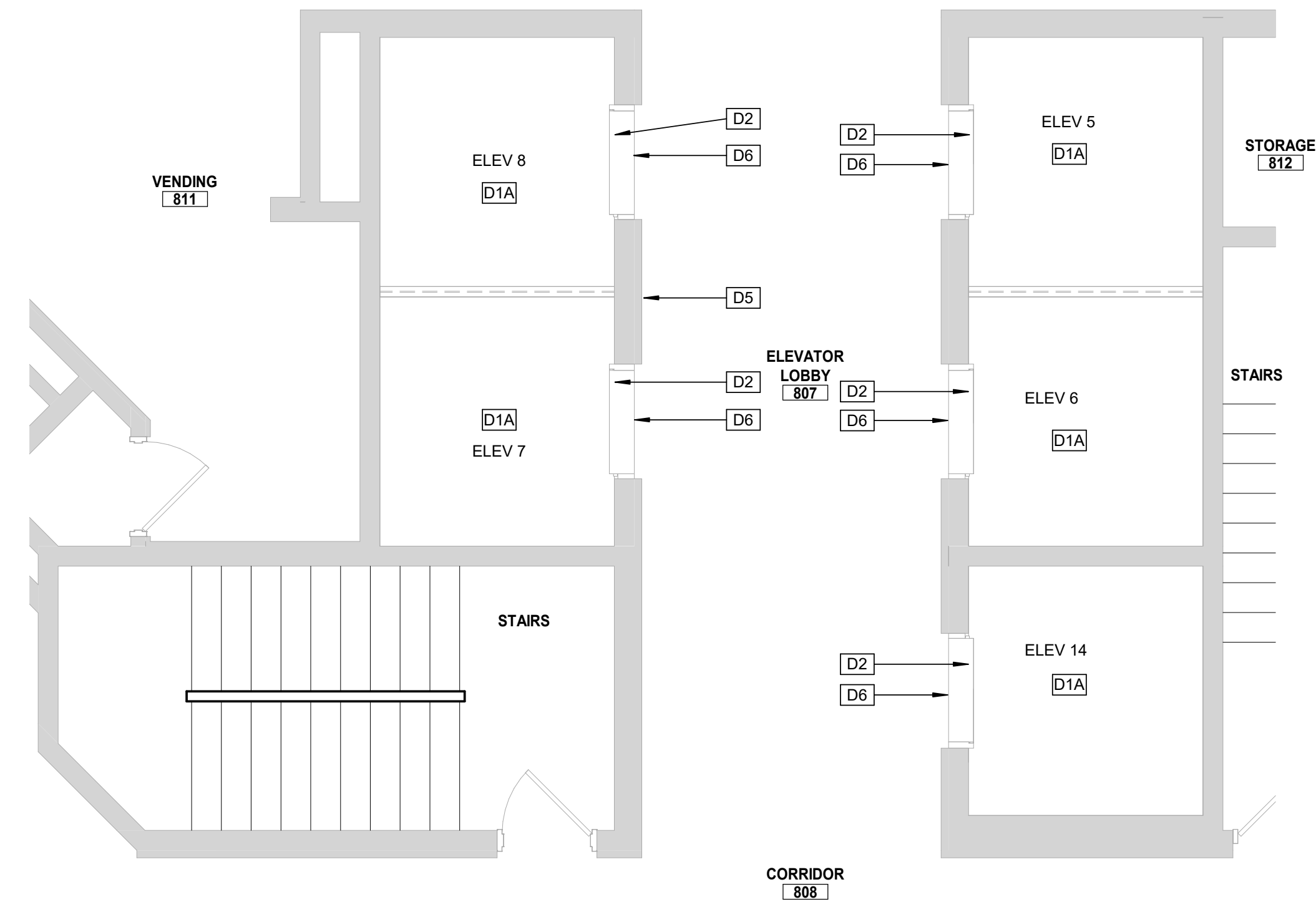
CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
SOUTH PASSENGER
ELEVATORS DEMO 5,
6, 7, 8 & 14

SHEET NUMBER:

AD-105

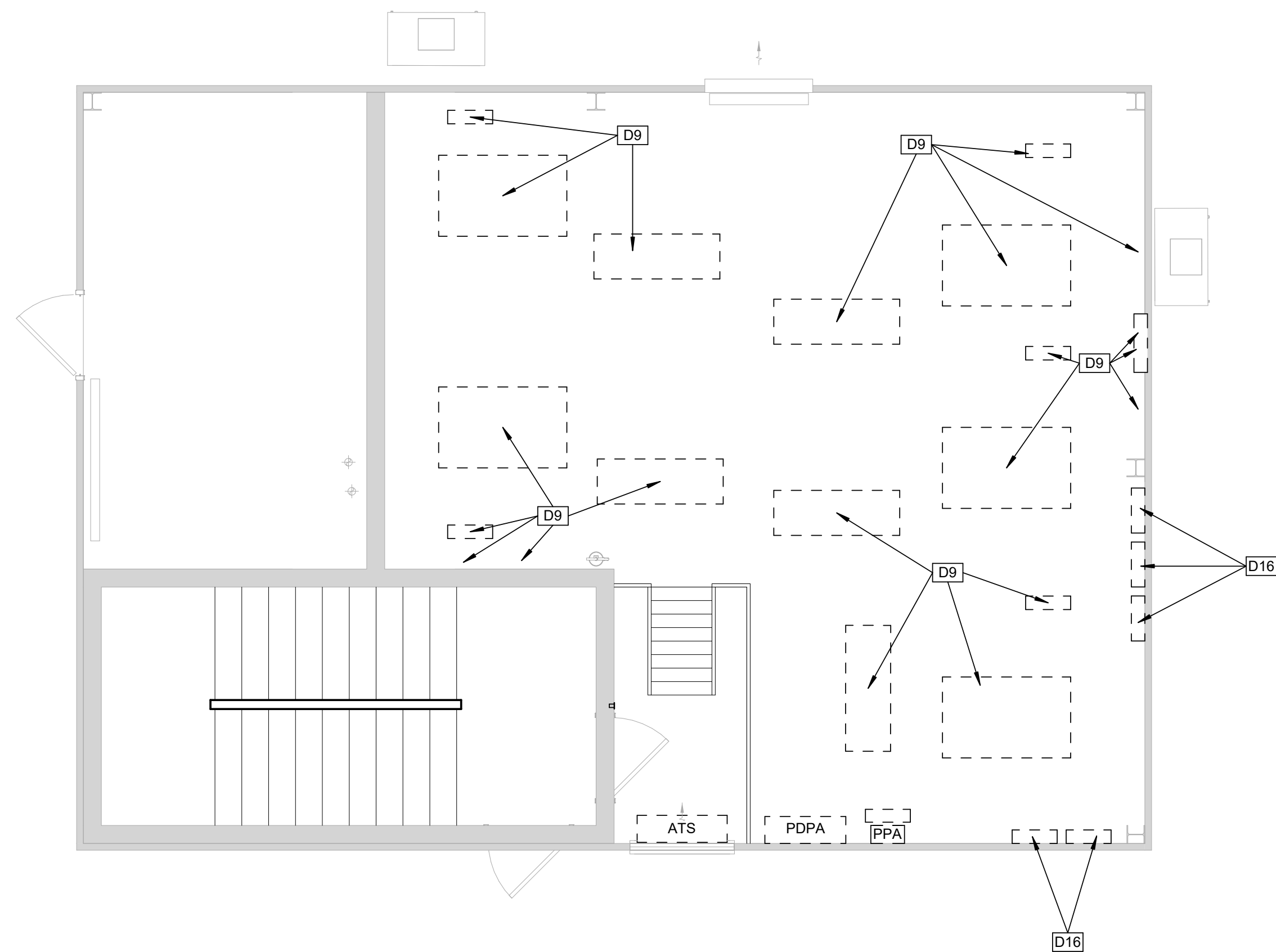
SHEET NO. 7 OF 56
2024-07-12



PLAN NORTH
TRUE NORTH

8TH FLOOR DEMO - SOUTH PASSENGER ELEVATORS

1
1/4" = 1'-0"



PLAN NORTH
TRUE NORTH

ELEVATOR PENTHOUSE DEMO - SOUTH PASSENGER ELEVATORS

2
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

- A. EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY, AND WILL NOT BE CONSTRUED AS "AS BUILT". THE CONTRACTOR WILL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ONSET OF CONSTRUCTION.
- B. SEE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS FOR THE EXTENT OF THEIR WORK. COORDINATE DEMOLITION WORK IN OCCUPIED SPACES AND NOTIFY OWNER TWO WEEKS PRIOR TO COMMENCING WORK. MINIMIZE DISRUPTIONS TO SPACES THAT REMAIN IN OPERATION. PROTECT EXISTING FLOOR, WALL, AND CEILING FINISHES.
- C. THE CONTRACTOR WILL PROVIDE FALL AND SAFETY PROTECTION AT ANY HAZARDOUS CONDITION CAUSED BY THE DEMOLITION PROCESS.
- D. NOTES WHICH DO NOT HAVE ARROWS TO SPECIFIC ITEMS INDICATE MATERIAL TO BE REMOVED FOR ENTIRE ROOM IN WHICH NOTE OCCURS.
- E. MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER SUITABLE FOR NEW FINISHES AND SURFACES.
- F. WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN IN THE FINISHED WORK, SUCH CONDITIONS WILL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES. REPAIRS MUST BE ACCEPTABLE TO OWNER.
- G. THE CONTRACTOR WILL CLEAN, PATCH, AND REPAIR EXISTING SURFACES AFFECTED DURING DEMOLITION AND CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES. REPAIRS WILL BE MADE AS TO MATCH EXISTING CONSTRUCTION IN MATERIAL, METHOD, TECHNOLOGY, COLOR PATTERNS, ETC.
- H. CONTRACTOR WILL VERIFY, MAINTAIN, AND PROTECT ALL EXISTING FIRE-RATED AND/OR SMOKE-RATED ASSEMBLIES WITHIN THE PROJECT AREA THAT ARE TO REMAIN DURING CONSTRUCTION. ALL FIRE WATCHES ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

Key Note Legend

Key Value	Keynote Text
D1A	EXISTING ELEVATOR STRUCTURAL PLATFORM AND SLINGS TO REMAIN. EXISTING CAB ENCLOSURE TO BE REMOVED AND REPLACED WITH NEW INTERIOR FINISHES.
D2	BRONZE ELEVATOR HOISTWAY DOOR PANELS TO BE REMOVED AND PREPPED FOR REPLACEMENT. ELEVATOR DOOR HEAD, JAMBS, AND TRANSOM TO BE PREPPED FOR RECLADDING WITH STAINLESS STEEL SHEET.
D5	EXISTING CAST BRONZE ELEVATOR HALL BUTTON FACEPLATE TO BE REMOVED AND TURNED OVER TO OWNER.
D6	EXISTING ELEVATOR HALL LANTERNS TO BE REMOVED.
D9	ALL RELATED TRACTION ELEVATOR EQUIPMENT (DRIVE MACHINES, CONTROLLERS AND SAFETY GOVERNORS) TO BE REMOVED BY ELEVATOR CONTRACTOR.
D16	EXISTING FIRE SERVICE PANELS SERVING ELEVATORS TO BE REMOVED. COORDINATE PHASING WITH ELEVATOR BEING REMOVED. REFER TO FIRE PROTECTION DRAWINGS.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE PASSENGER ELEVATOR NOS. 1 - 4, 13 AND 5 - 8, 14 IN THE BUILDING, TWO (2) ELEVATORS AT A TIME.

- NORMAL WORKING HOURS FOR THE CONTRACTOR IN THIS SECTION SHALL BE BETWEEN 6:30AM AND 5:00PM ON WEEKDAYS. OFF-HOUR WORK IS ALLOWED FOR CALL BUTTON UPGRADES AND FIRE ALARM PRETESTING.
- ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ELEVATOR PER GROUP TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
- PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ELEVATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL

ARCHITECTURE &
ENGINEERING



6 SOUTH OLD ORCHARD AVE.
ST. LOUIS, MO 63119
T: 314.918.8383
F: 314.918.1766
www.introba.com

MISSOURI STATE CERTIFICATE
OF AUTHORITY #000148

ELEVATOR
CONSULTANT



600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
(636) 861-2722

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

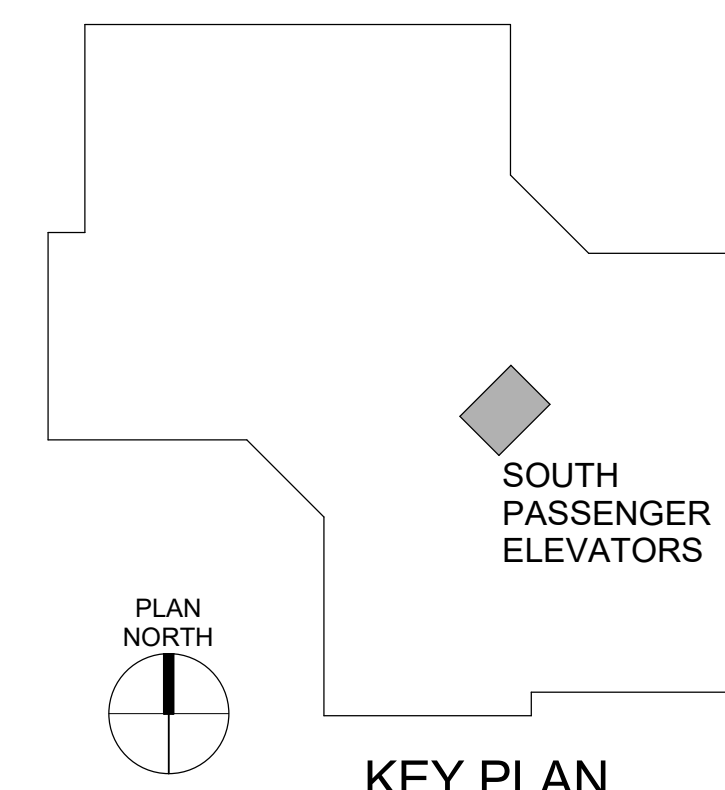
CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
**SOUTH PASSENGER
ELEVATORS DEMO 5,
6, 7, 8 & 14**

SHEET NUMBER:

AD-106

SHEET NO. 8 OF 56
2024-07-12





PROFESSIONAL SEAL

ARCHITECTURE &
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DATE: _____

ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:

ELEVATORS 9 & 10
DEMO

SHEET NUMBER:

AD-107

SHEET NO. 9 OF 56
2024-07-12

GENERAL DEMOLITION NOTES

- EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY, AND WILL NOT BE CONSTRUED AS "AS BUILT". THE CONTRACTOR WILL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ONSET OF CONSTRUCTION.
- SEE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS FOR THE EXTENT OF THEIR WORK. COORDINATE DEMOLITION WORK IN OCCUPIED SPACES AND NOTIFY OWNER TWO WEEKS PRIOR TO COMMENCING WORK. MINIMIZE DISRUPTIONS TO SPACES THAT REMAIN IN OPERATION. PROTECT EXISTING FLOOR, WALL, AND CEILING FINISHES.
- THE CONTRACTOR WILL PROVIDE FALL AND SAFETY PROTECTION AT ANY HAZARDOUS CONDITION CAUSED BY THE DEMOLITION PROCESS.
- NOTES WHICH DO NOT HAVE ARROWS TO SPECIFIC ITEMS INDICATE MATERIAL TO BE REMOVED FOR ENTIRE ROOM IN WHICH NOTE OCCURS.
- MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER SUITABLE FOR NEW FINISHES AND SURFACES.
- WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN IN THE FINISHED WORK, SUCH CONDITIONS WILL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES. REPAIRS MUST BE ACCEPTABLE TO OWNER.
- THE CONTRACTOR WILL CLEAN, PATCH, AND REPAIR EXISTING SURFACES AFFECTED DURING DEMOLITION AND CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES. REPAIRS WILL BE MADE AS TO MATCH EXISTING CONSTRUCTION IN MATERIAL, METHOD, TECHNOLOGY, COLOR PATTERNS, ETC.
- CONTRACTOR WILL VERIFY, MAINTAIN, AND PROTECT ALL EXISTING FIRE-RATED AND/OR SMOKE-RATED ASSEMBLIES WITHIN THE PROJECT AREA THAT ARE TO REMAIN DURING CONSTRUCTION. ALL FIRE WATCHES ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

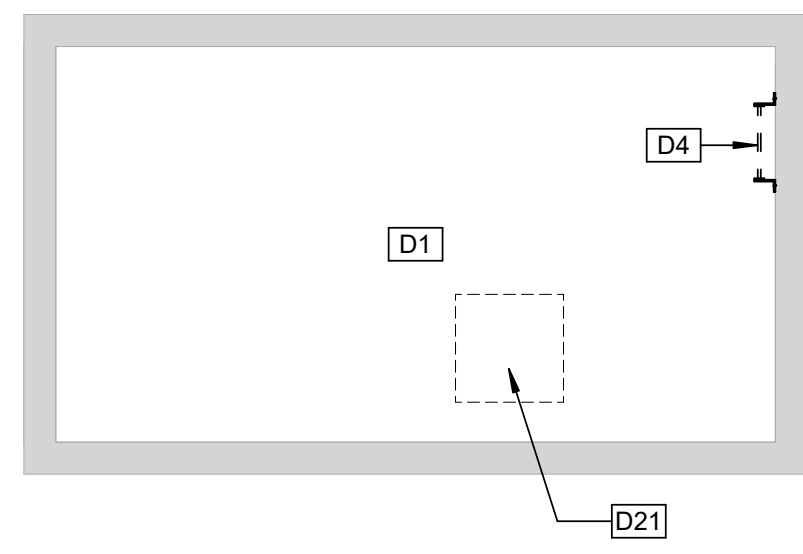
Key Note Legend

Key Value	Keynote Text
D1	EXISTING ELEVATOR STRUCTURAL PLATFORM AND SLINGS TO REMAIN. EXISTING CAB ENCLOSURE TO BE REMOVED AND REPLACED WITH NEW INTERIOR FINISHES. EXISTING HYDRAULIC ELEVATOR JACKS TO BE REMOVED.
D2	BRONZE ELEVATOR HOISTWAY DOOR PANELS TO BE REMOVED AND PREPPED FOR REPLACEMENT. ELEVATOR DOOR HEAD, JAMBS, AND TRANSOM TO BE PREPPED FOR RECLADDING WITH STAINLESS STEEL SHEET.
D4	EXISTING PIT LADDER TO BE REMOVED AND SALVAGED FOR RELOCATION.
D5	EXISTING CAST BRONZE ELEVATOR HALL BUTTON FACEPLATE TO BE REMOVED AND TURNED OVER TO OWNER.
D6	EXISTING ELEVATOR HALL LANTERNS TO BE REMOVED.
D10	ALL RELATED HYDRAULIC ELEVATOR EQUIPMENT (CONTROLLER AND HYDRAULIC PUMP) TO BE REMOVED BY ELEVATOR CONTRACTOR.
D12	EXISTING RATED HOLLOW METAL DOOR, FRAME & HARDWARE TO REMAIN.
D21	EXISTING CONCRETE SUMP PIT TO REMAIN. DEMO CONCRETE BASE OF SUMP PIT AS REQUIRED FOR MINIMUM 18" DEPTH. FIELD VERIFY SIZE AND DEPTH OF EXISTING PIT AND REPORT TO DOR.

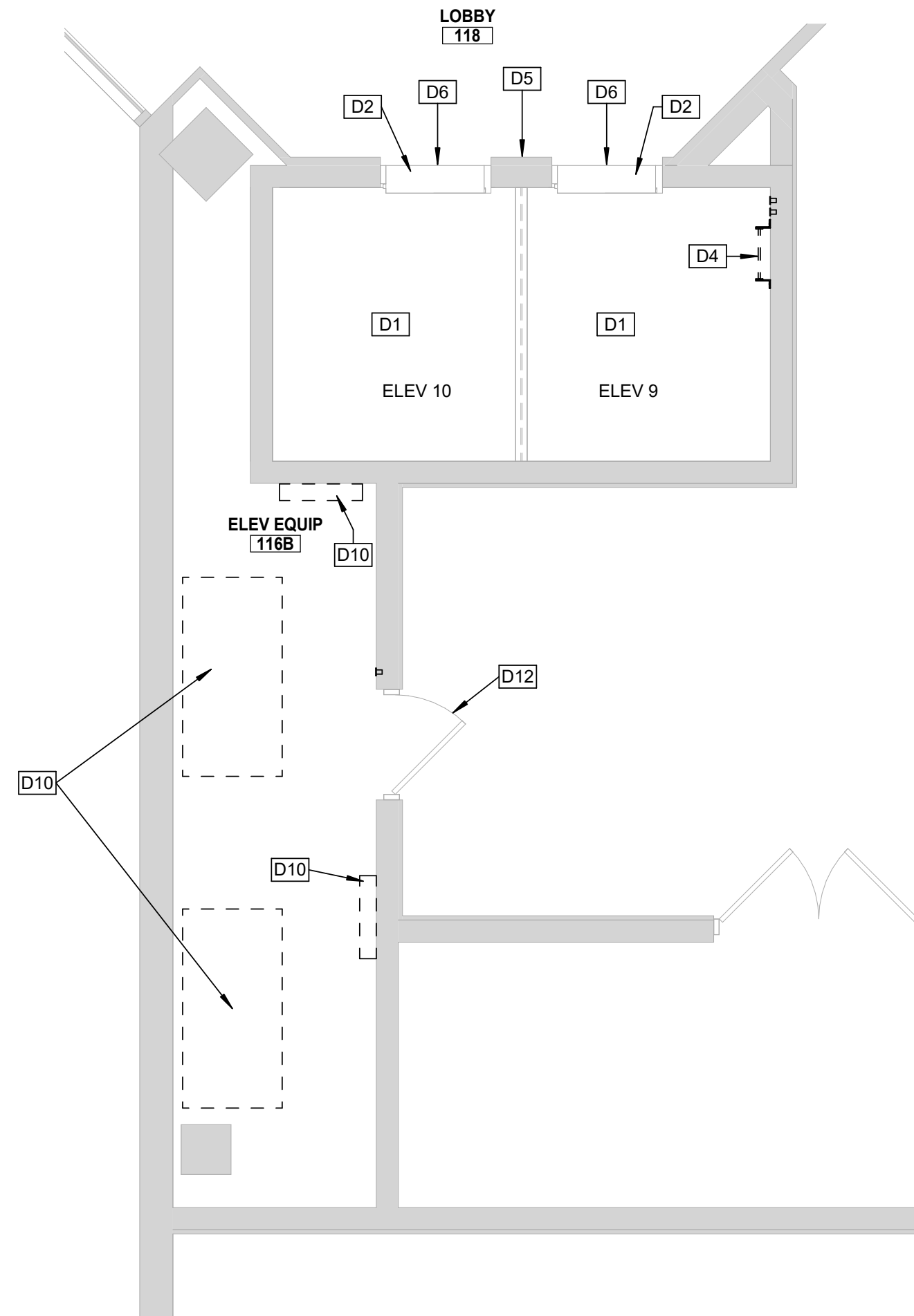
CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE PASSENGER ELEVATOR NOS. 1 - 4, 13 AND 5 - 8, 14 IN THE BUILDING, TWO (2) ELEVATORS AT A TIME.

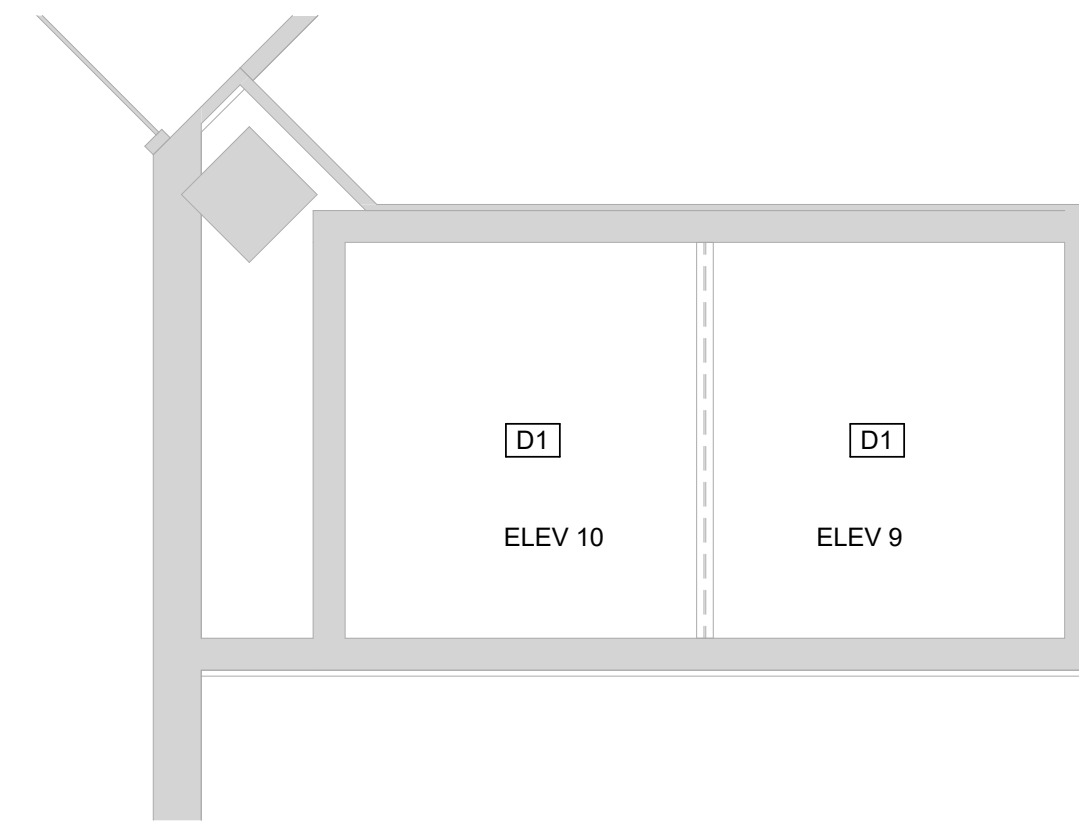
- NORMAL WORKING HOURS FOR THE CONTRACTOR IN THIS SECTION SHALL BE BETWEEN 6:30AM AND 5:00PM ON WEEKDAYS. OFF-HOUR WORK IS ALLOWED FOR CALL BUTTON UPGRADES AND FIRE ALARM PRETESTING.
- ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ELEVATOR PER GROUP TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
- PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ELEVATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.



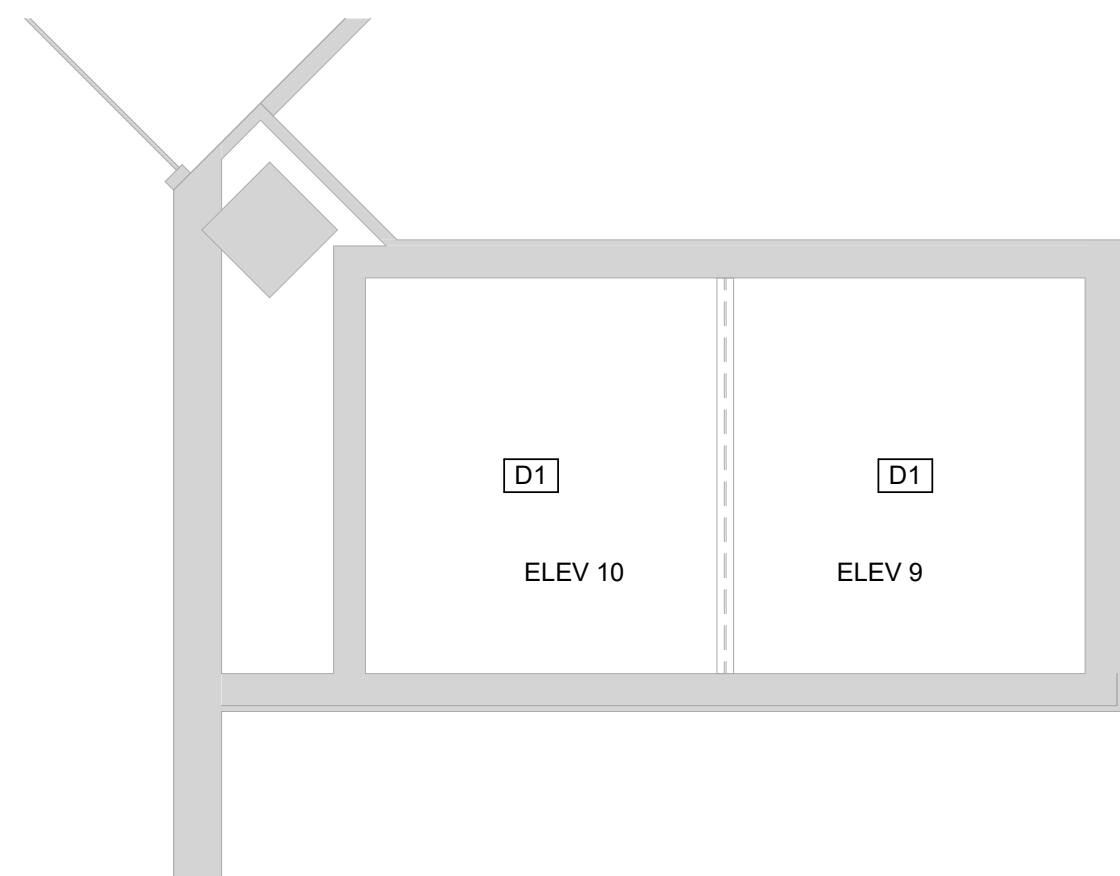
1 ELEVATOR PIT DEMO - ELEVATORS 9 & 10
1/4" = 1'-0"



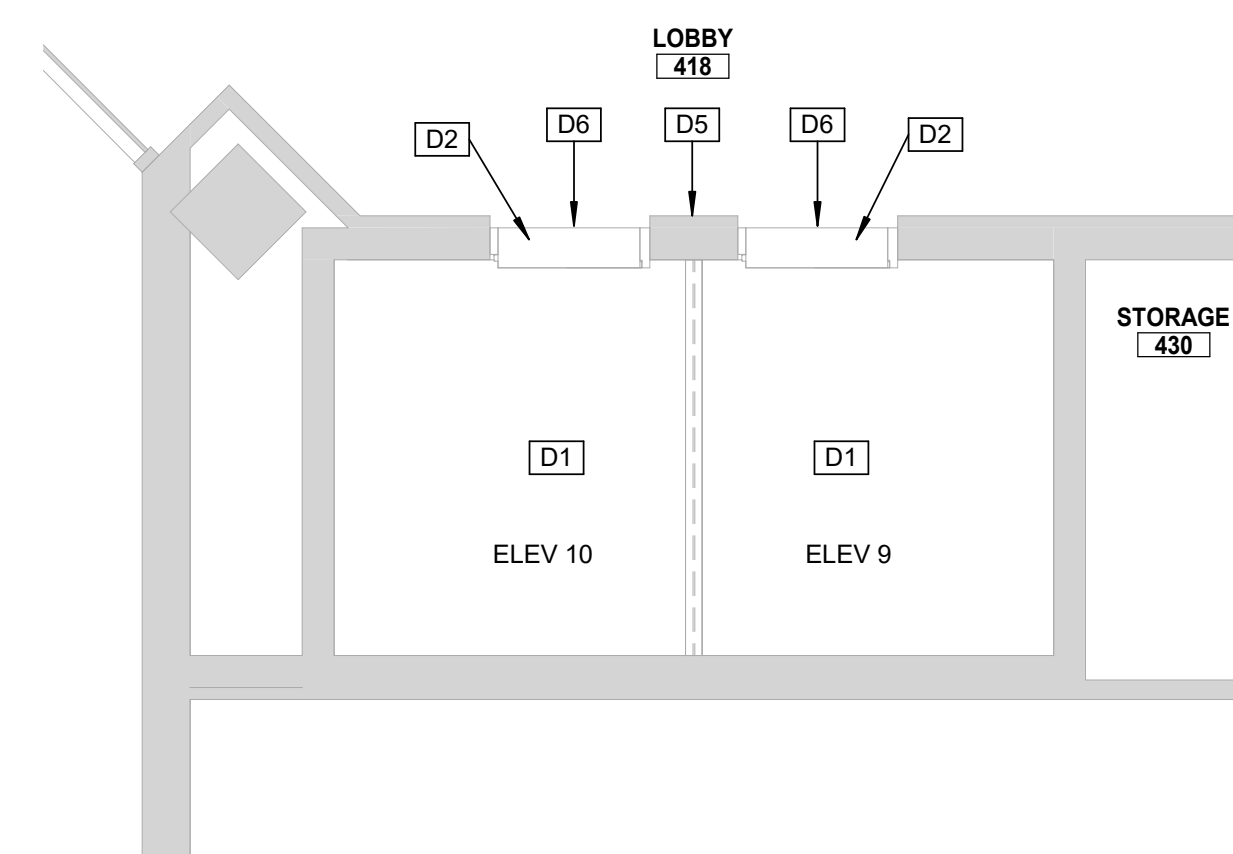
2 1ST FLOOR DEMO - ELEVATORS 9 & 10
1/4" = 1'-0"



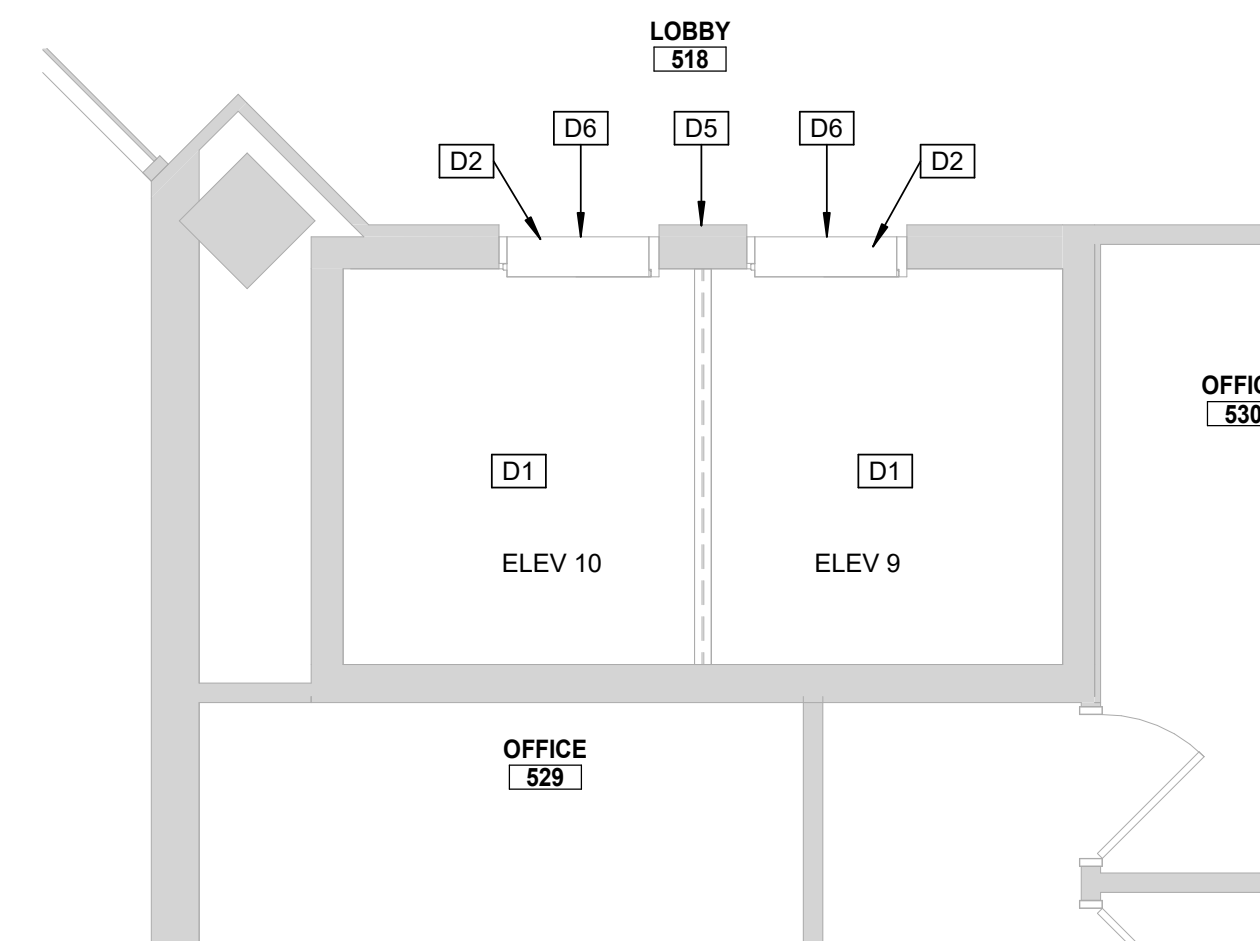
3 2ND FLOOR DEMO - ELEVATORS 9 & 10
1/4" = 1'-0"



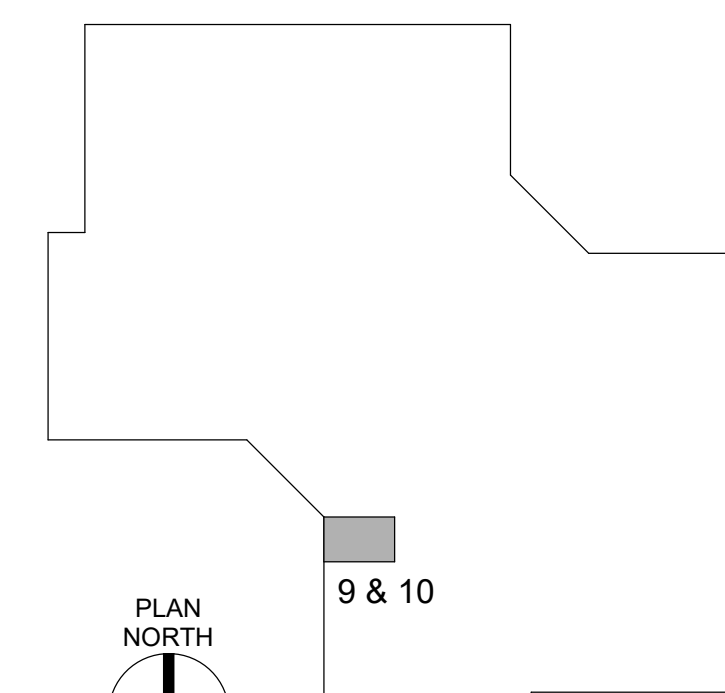
4 3RD FLOOR DEMO - ELEVATORS 9 & 10
1/4" = 1'-0"



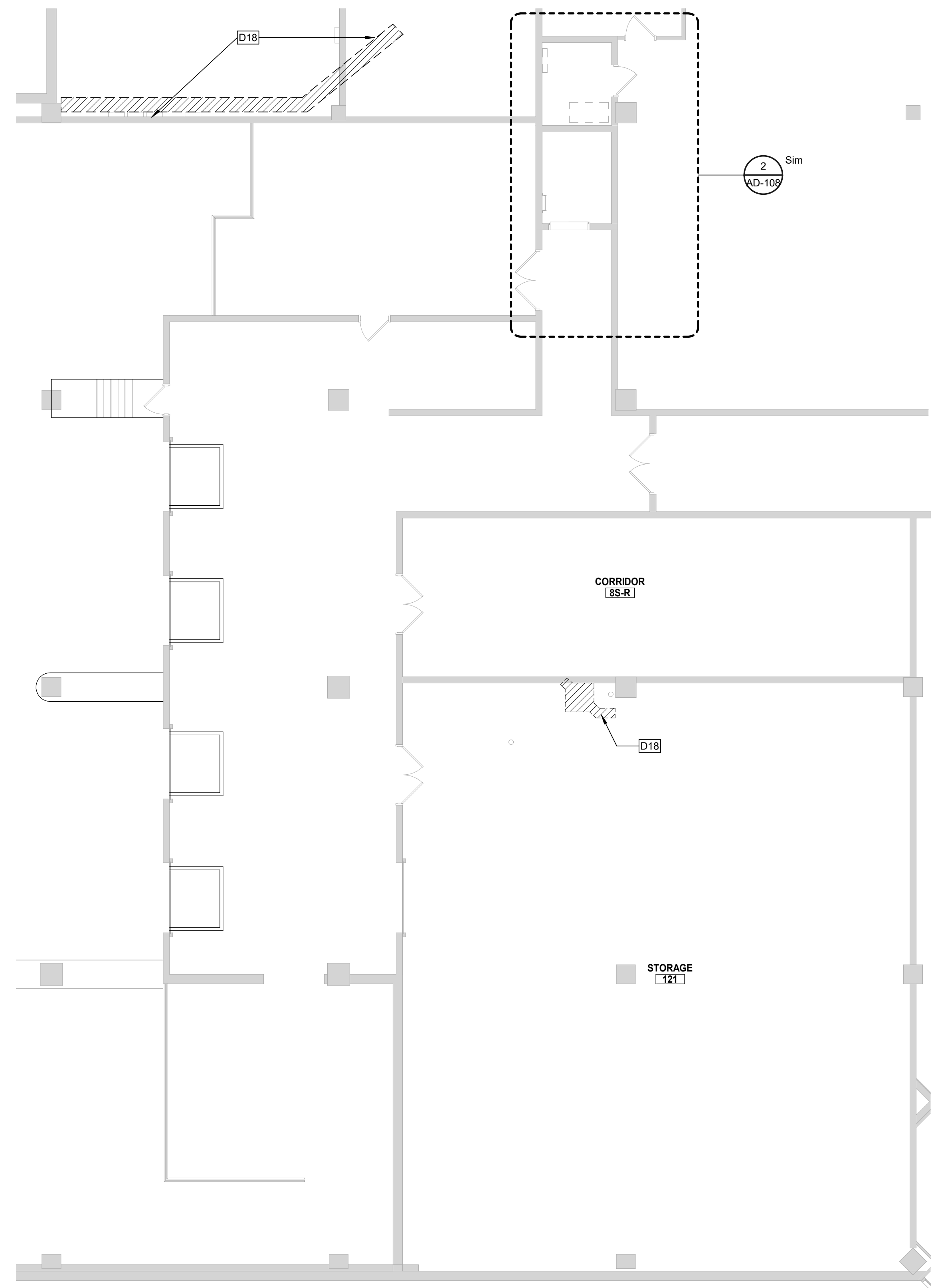
5 4TH FLOOR DEMO - ELEVATORS 9 & 10
1/4" = 1'-0"



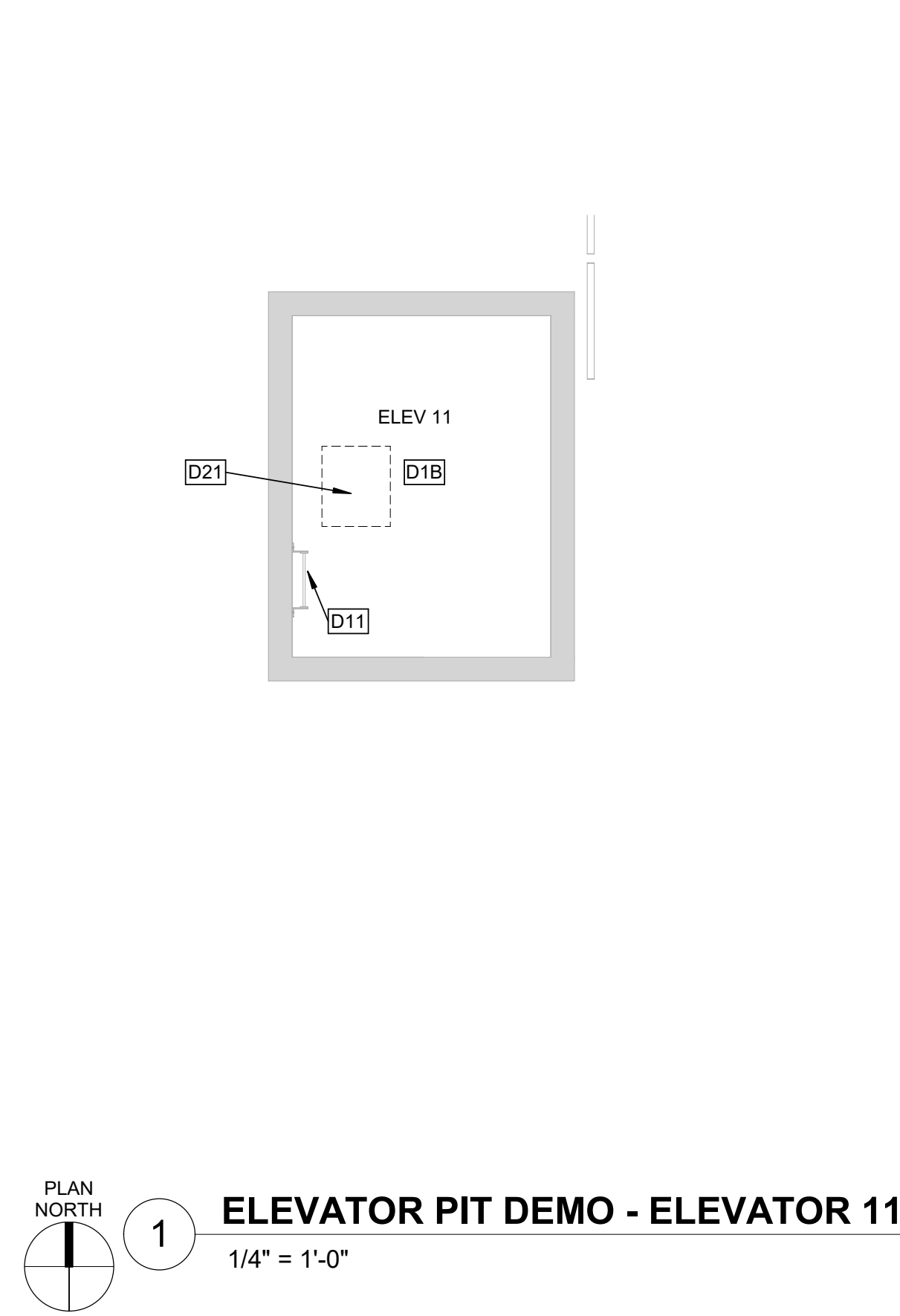
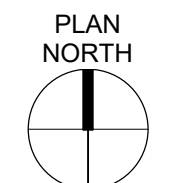
6 5TH FLOOR DEMO - ELEVATORS 9 & 10
1/4" = 1'-0"



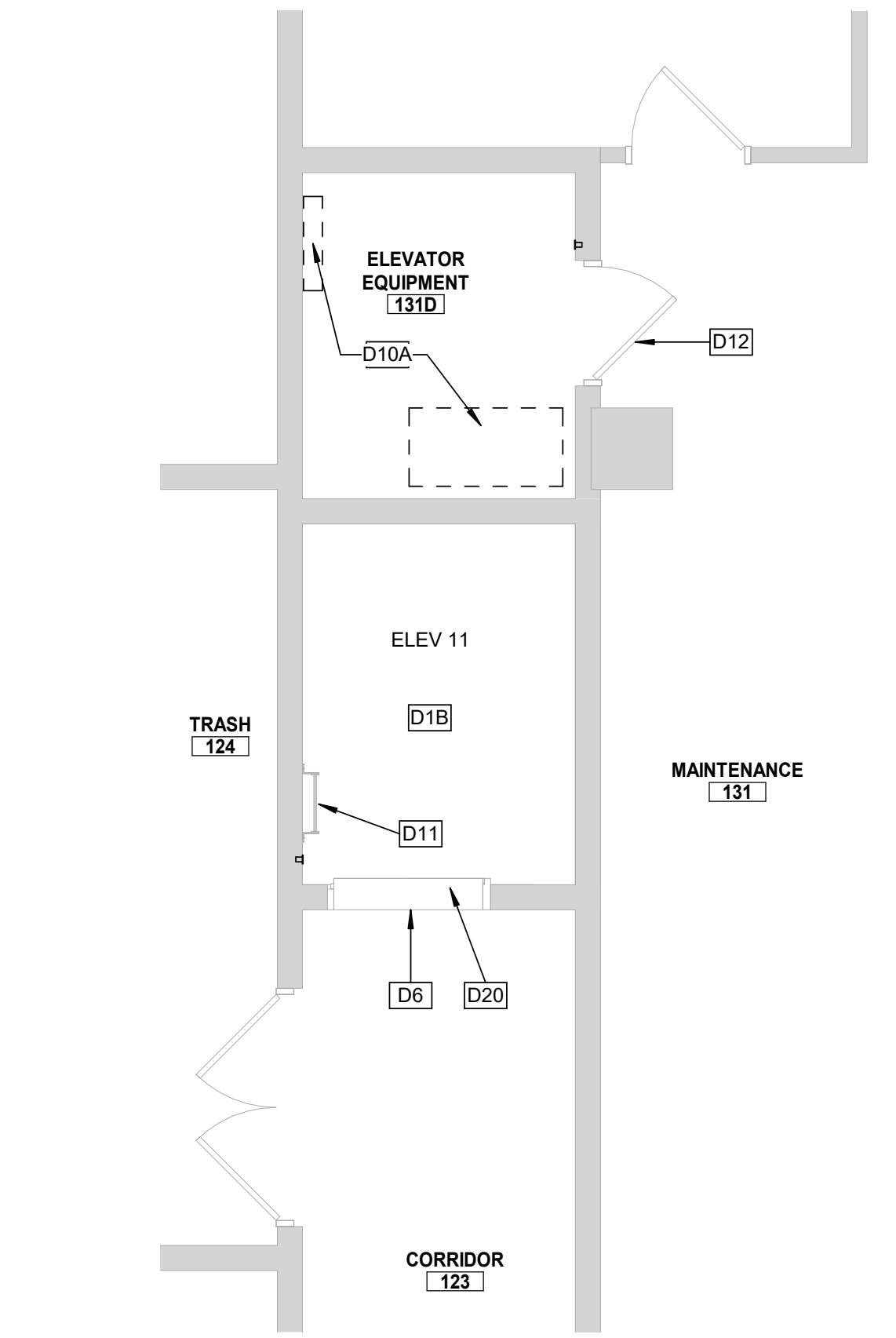
KEY PLAN



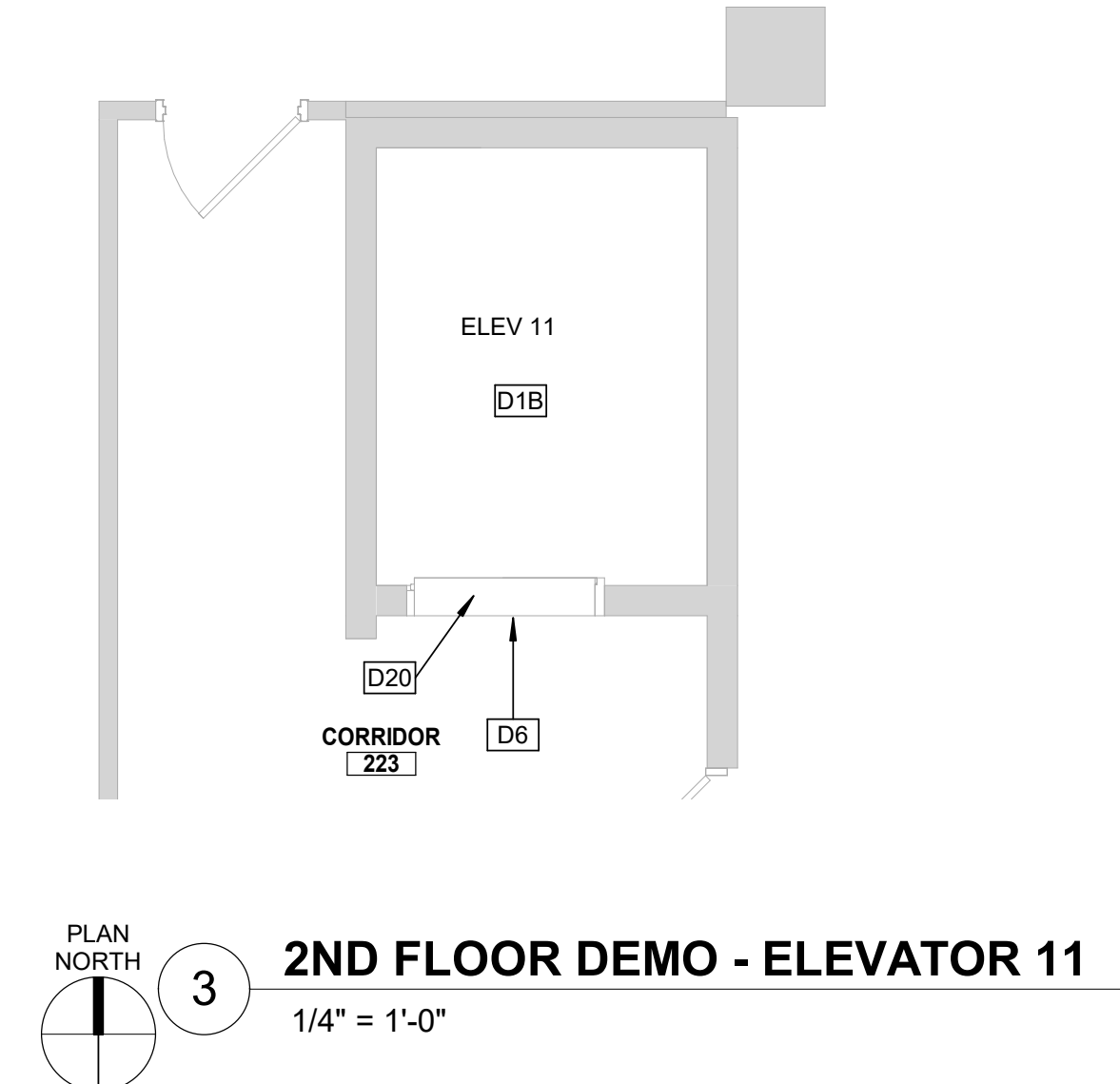
1ST FLOOR DEMO - EXISTING LOADING DOCK AREA
 1/8" = 1'-0"



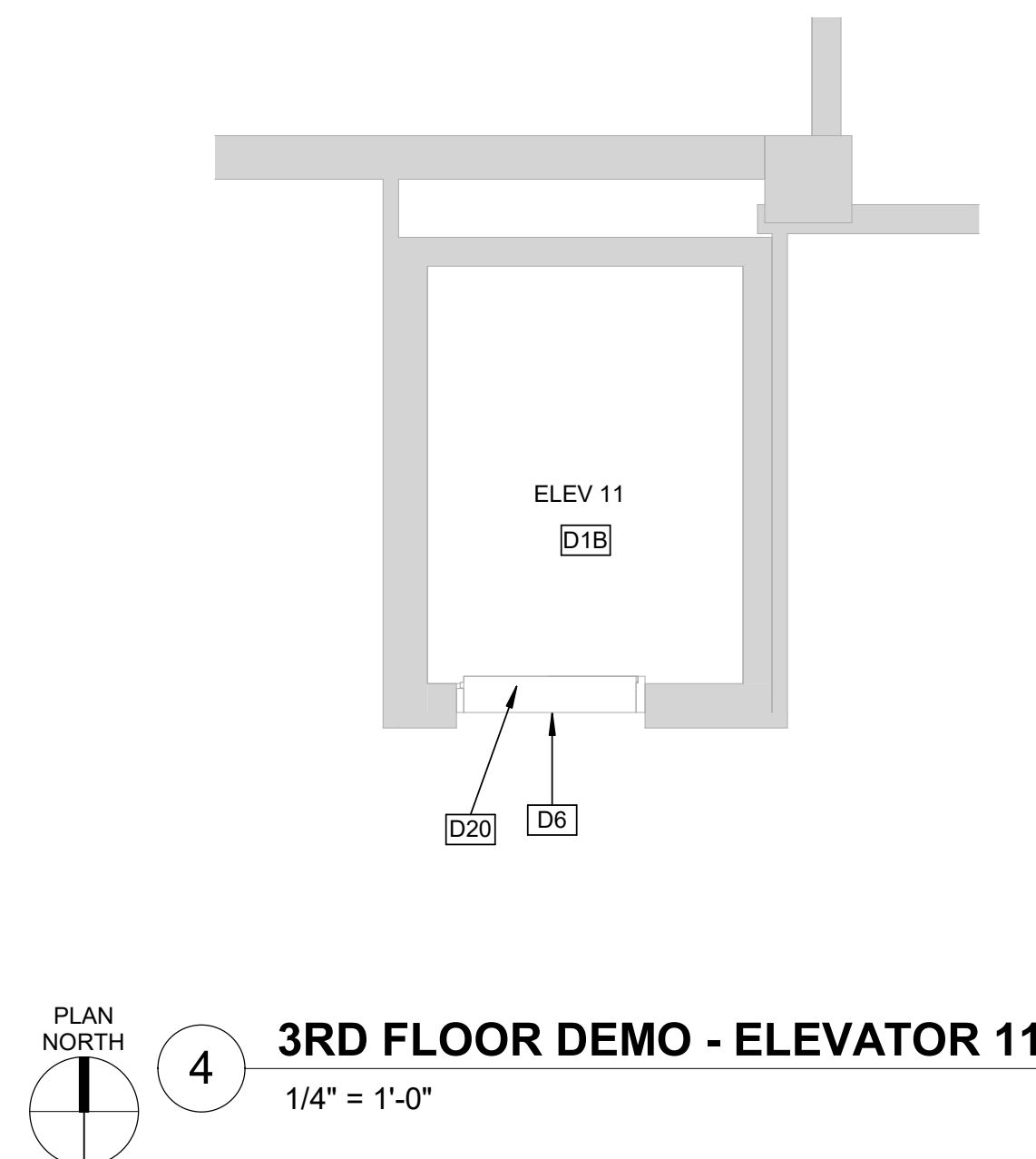
ELEVATOR PIT DEMO - ELEVATOR 11
 1/4" = 1'-0"



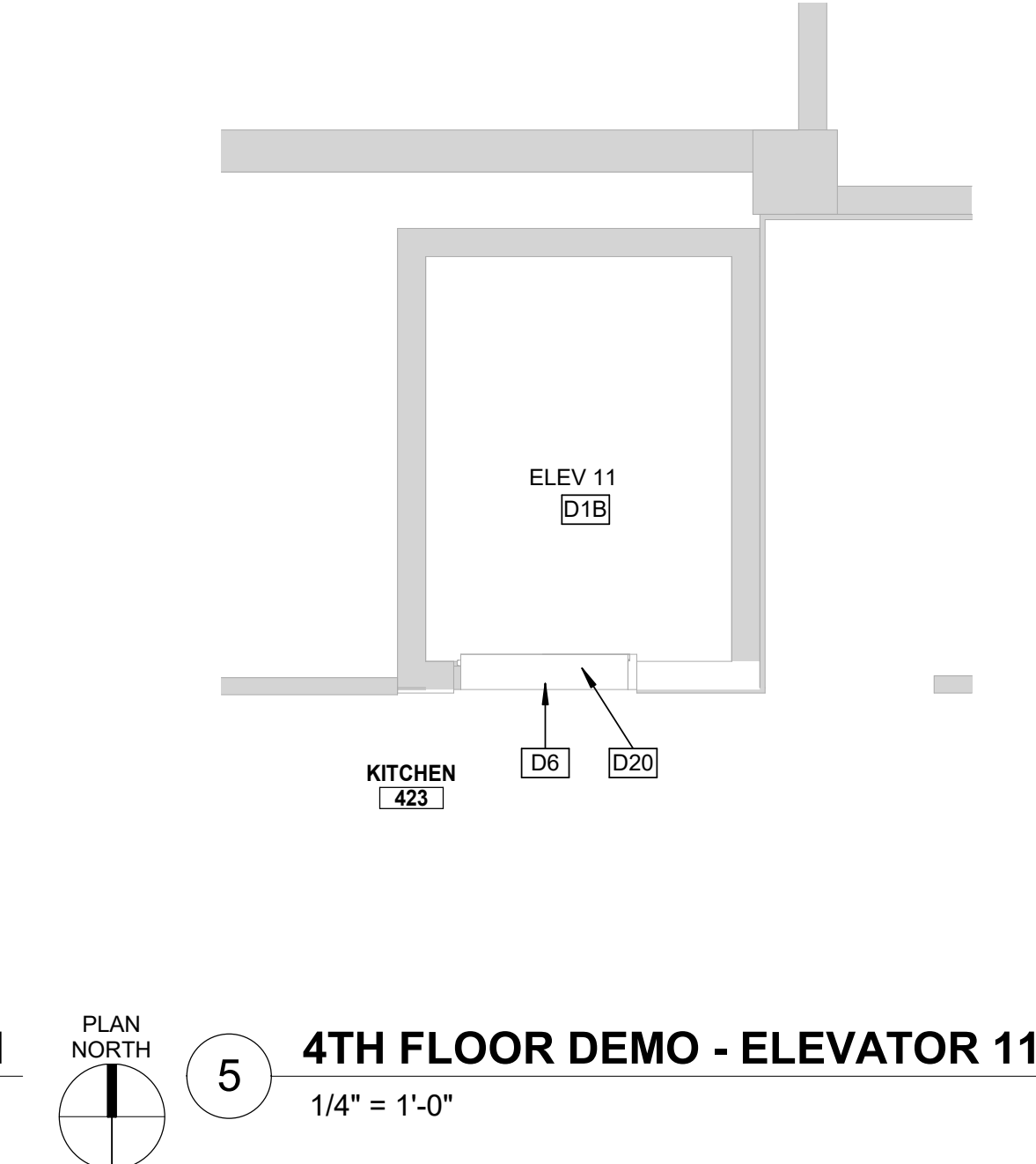
1ST FLOOR DEMO - ELEVATOR 11
 1/4" = 1'-0"



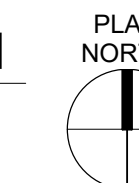
2ND FLOOR DEMO - ELEVATOR 11
 1/4" = 1'-0"



3RD FLOOR DEMO - ELEVATOR 11
 1/4" = 1'-0"



4TH FLOOR DEMO - ELEVATOR 11
 1/4" = 1'-0"



CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

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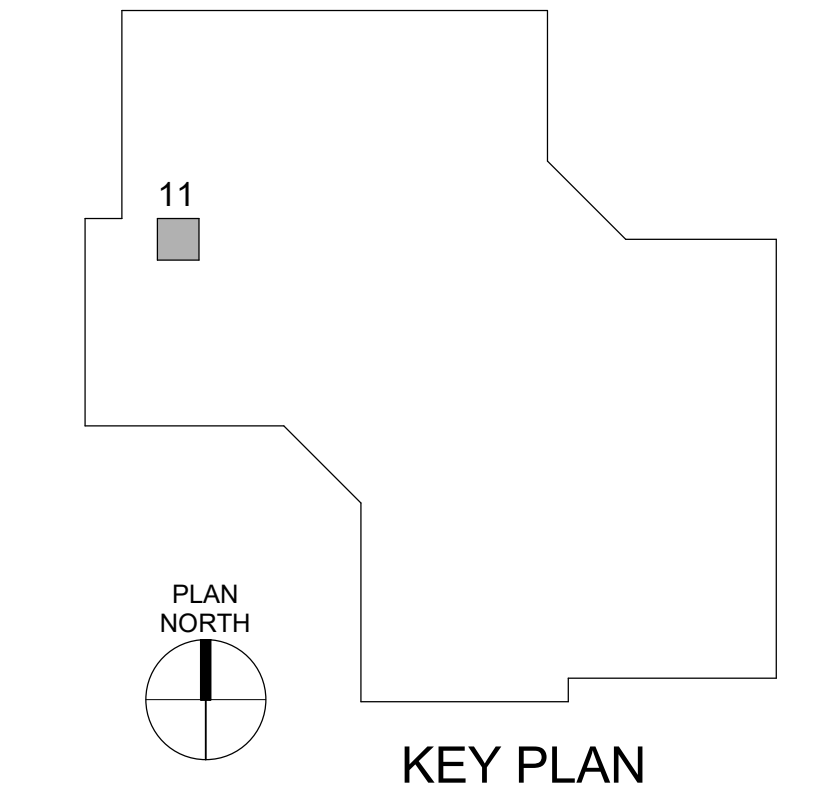
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- ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ELEVATOR PER GROUP TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
- PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ELEVATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.

GENERAL DEMOLITION NOTES

- EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY, AND WILL NOT BE CONSTRUED AS "AS BUILT". THE CONTRACTOR WILL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ONSET OF CONSTRUCTION.
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- THE CONTRACTOR WILL PROVIDE FALL AND SAFETY PROTECTION AT ANY HAZARDOUS CONDITION CAUSED BY THE DEMOLITION PROCESS.
- NOTES WHICH DO NOT HAVE ARROWS TO SPECIFIC ITEMS INDICATE MATERIAL TO BE REMOVED FOR ENTIRE ROOM IN WHICH NOTE OCCURS.
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- CONTRACTOR WILL VERIFY, MAINTAIN, AND PROTECT ALL EXISTING FIRE-RATED AND/OR SMOKE-RATED ASSEMBLIES WITHIN THE PROJECT AREA THAT ARE TO REMAIN DURING CONSTRUCTION. ALL FIRE WATCHES ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

Key Note Legend

Key Value	Keynote Text
D1B	EXISTING ELEVATOR STRUCTURAL PLATFORM, SLING AND CAB ENCLOSURE TO BE REMOVED.
D6	EXISTING ELEVATOR HALL LANTERNS TO BE REMOVED.
D10A	ALL RELATED HYDRAULIC ELEVATOR EQUIPMENT (CONTROLLER) TO BE REMOVED BY ELEVATOR CONTRACTOR. HYDRAULIC PUMP UNIT TO REMAIN.
D11	EXISTING METAL PIT ACCESS LADDER TO REMAIN.
D12	EXISTING RATED HOLLOW METAL DOOR, FRAME & HARDWARE TO REMAIN.
D18	SAWCUT AND REMOVE EXISTING CONCRETE SLAB-ON-GRADE AS REQUIRED FOR NEW PLUMBING LINES BELOW FLOOR. COORDINATE WITH PLUMBING DRAWINGS FOR EXTENT OF WORK.
D20	EXISTING PAINTED STEEL ELEVATOR DOOR PANELS, HEAD, JAMBS AND TRANSOM TO BE PREPPED FOR REPAINTING.
D21	EXISTING CONCRETE SUMP PIT TO REMAIN. DEMO CONCRETE BASE OF SUMP PIT AS REQUIRED FOR MINIMUM 18" DEPTH. FIELD VERIFY SIZE AND DEPTH OF EXISTING PIT AND REPORT TO DOR.



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OFFICE OF
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 DIVISION OF FACILITIES
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 DESIGN AND
 CONSTRUCTION

Replace 13 Elevators and 6
 Escalators

Truman State Office Building
 Jefferson City, MO 65102

PROJECT # O2354-01
 SITE # 1001
 FACILITY # 3101001050

REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
 DRAWN BY: KK
 CHECKED BY: BAP
 DESIGNED BY: MAH

SHEET TITLE:
ELEVATOR 11 DEMO

SHEET NUMBER:

AD-108

SHEET NO. 10 OF 56
 2024-07-12



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6 SOUTH OLD ORCHARD AVE.
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CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
ESCALATOR DEMO
PLANS

SHEET NUMBER:

AD-109

SHEET NO. 11 OF 56
2024-07-12

GENERAL DEMOLITION NOTES

- A. EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM EXISTING DRAWINGS AND FIELD SURVEY, AND WILL NOT BE CONSTRUED AS "AS BUILT". THE CONTRACTOR WILL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ONSET OF CONSTRUCTION.
- B. SEE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS FOR THE EXTENT OF THEIR WORK. COORDINATE DEMOLITION WORK IN OCCUPIED SPACES AND NOTIFY OWNER TWO WEEKS PRIOR TO COMMENCING WORK. MINIMIZE DISRUPTIONS TO SPACES THAT REMAIN IN OPERATION. PROTECT EXISTING FLOOR, WALL, AND CEILING FINISHES.
- C. THE CONTRACTOR WILL PROVIDE FALL AND SAFETY PROTECTION AT ANY HAZARDOUS CONDITION CAUSED BY THE DEMOLITION PROCESS.
- D. NOTES WHICH DO NOT HAVE ARROWS TO SPECIFIC ITEMS INDICATE MATERIAL TO BE REMOVED FOR ENTIRE ROOM IN WHICH NOTE OCCURS.
- E. MAKE ALL DEMOLITION CLEAN AND COMPLETE IN A MANNER SUITABLE FOR NEW FINISHES AND SURFACES.
- F. WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE TO FLOOR SLAB, WALL, OR CEILING SURFACES WHICH WILL REMAIN IN THE FINISHED WORK, SUCH CONDITIONS WILL BE REPAIRED AND LEVELED AS REQUIRED TO RECEIVE NEW FINISHES. REPAIRS MUST BE ACCEPTABLE TO OWNER.
- G. THE CONTRACTOR WILL CLEAN, PATCH, AND REPAIR EXISTING SURFACES AFFECTED DURING DEMOLITION AND CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES. REPAIRS WILL BE MADE AS TO MATCH EXISTING CONSTRUCTION IN MATERIAL, METHOD, TECHNOLOGY, COLOR PATTERNS, ETC.
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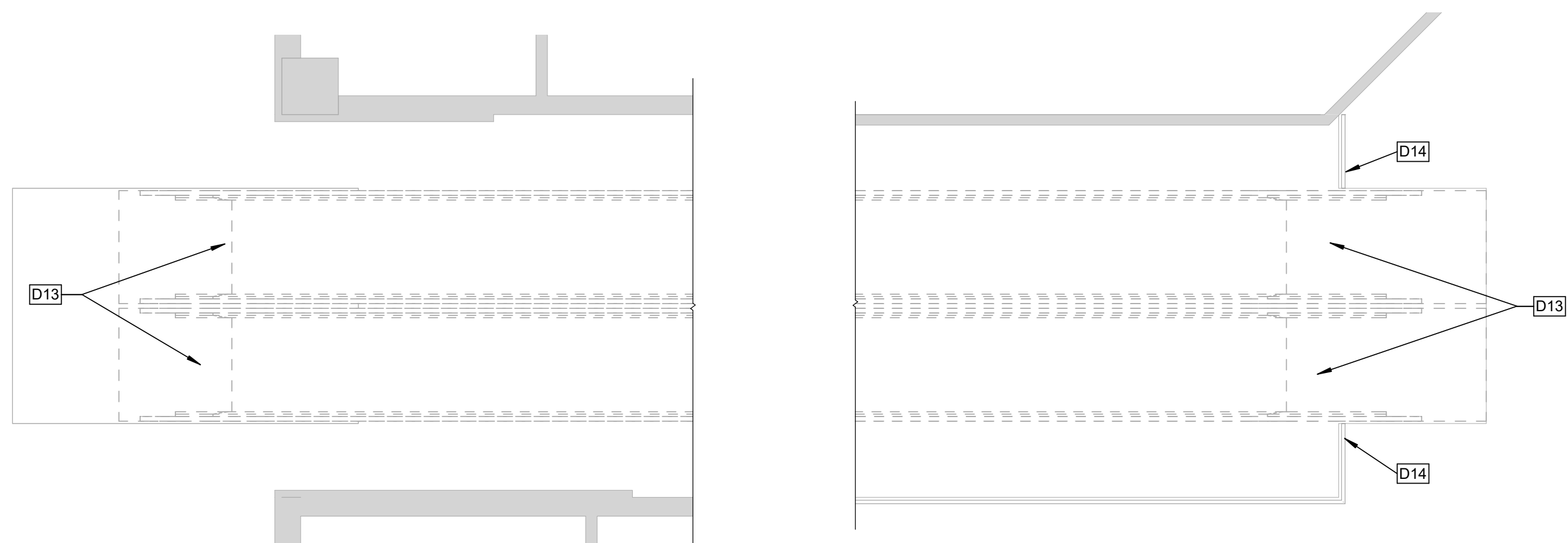
Key Note Legend

Key Value	Keynote Text
D13	EXISTING ESCALATOR TO BE FULLY RENOVATED BY ESCALATOR CONTRACTOR, INCLUDING REMOVAL OF ESCALATOR ASSEMBLY AND STAINLESS STEEL TRIM & COVERS; EXISTING TRUSSES TO REMAIN AND ARE TO BE REUSED.
D14	EXISTING BRASS RAILING WITH GLASS PANELS TO REMAIN; PROTECT FROM DAMAGE DURING DEMOLITION.

CONSTRUCTION SEQUENCE AND SCHEDULING - ESCALATORS

PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE ESCALATORS ONE (1) AT A TIME. RENOVATED ESCALATORS SHALL BE PROVIDED WITH A TWO (2) DAY BREAK IN PERIOD PRIOR TO REMOVING THE NEXT ESCALATOR FROM SERVICE.

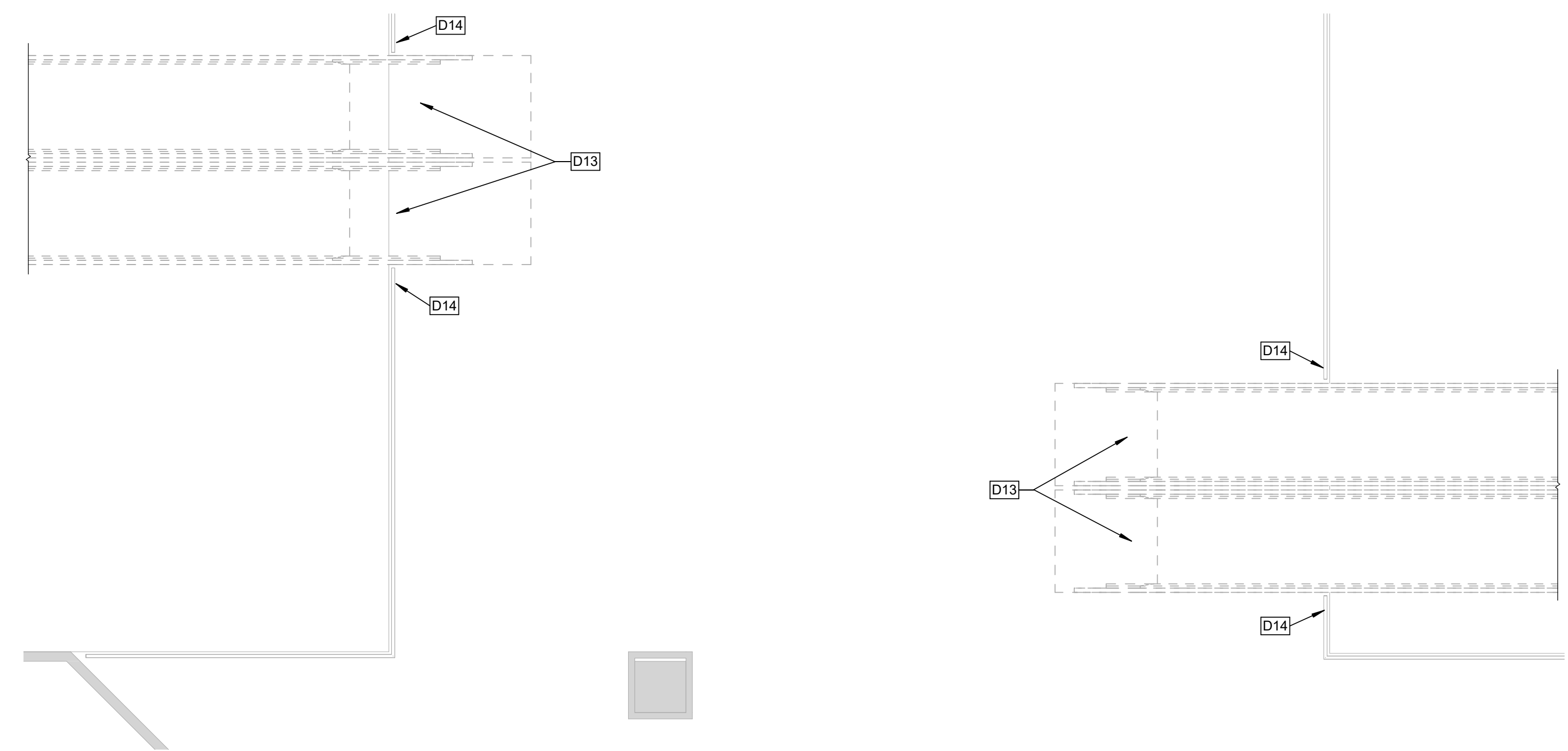
1. ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ESCALATOR TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
2. PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ESCALATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.



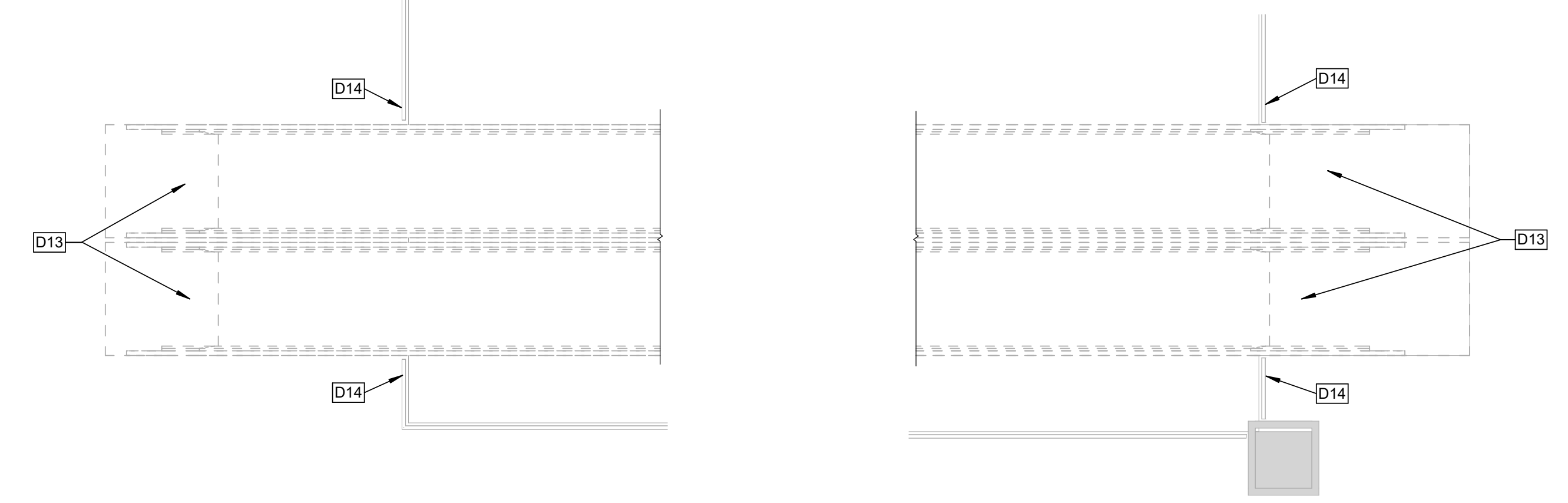
PLAN NORTH
TRUE NORTH
1 1ST FLOOR DEMO - ESCALATOR
1/4" = 1'-0"



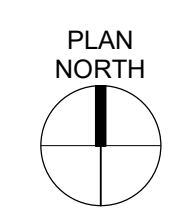
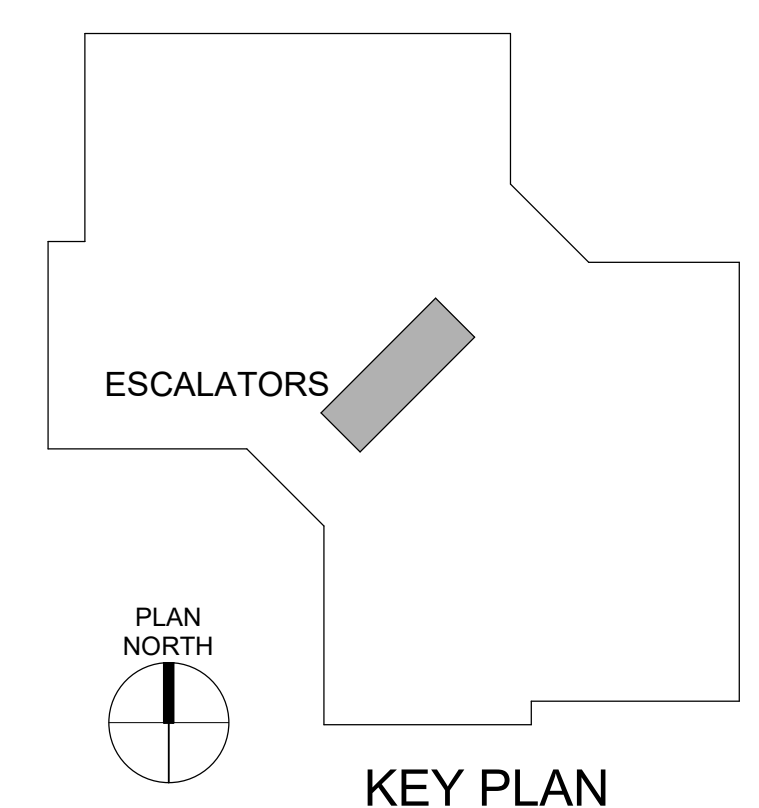
PLAN NORTH
TRUE NORTH
2 2ND FLOOR DEMO - ESCALATOR
1/4" = 1'-0"



PLAN NORTH
TRUE NORTH
3 3RD FLOOR DEMO - ESCALATOR
1/4" = 1'-0"



PLAN NORTH
TRUE NORTH
4 4TH FLOOR DEMO - ESCALATOR
1/4" = 1'-0"



KEY PLAN



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(636) 861-2722

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
**NORTH PASSENGER
ELEVATORS 1, 2, 3, 4
& 13**

SHEET NUMBER:

A-101

SHEET NO. 12 OF 56
2024-07-12

GENERAL NOTES - FLOOR PLANS

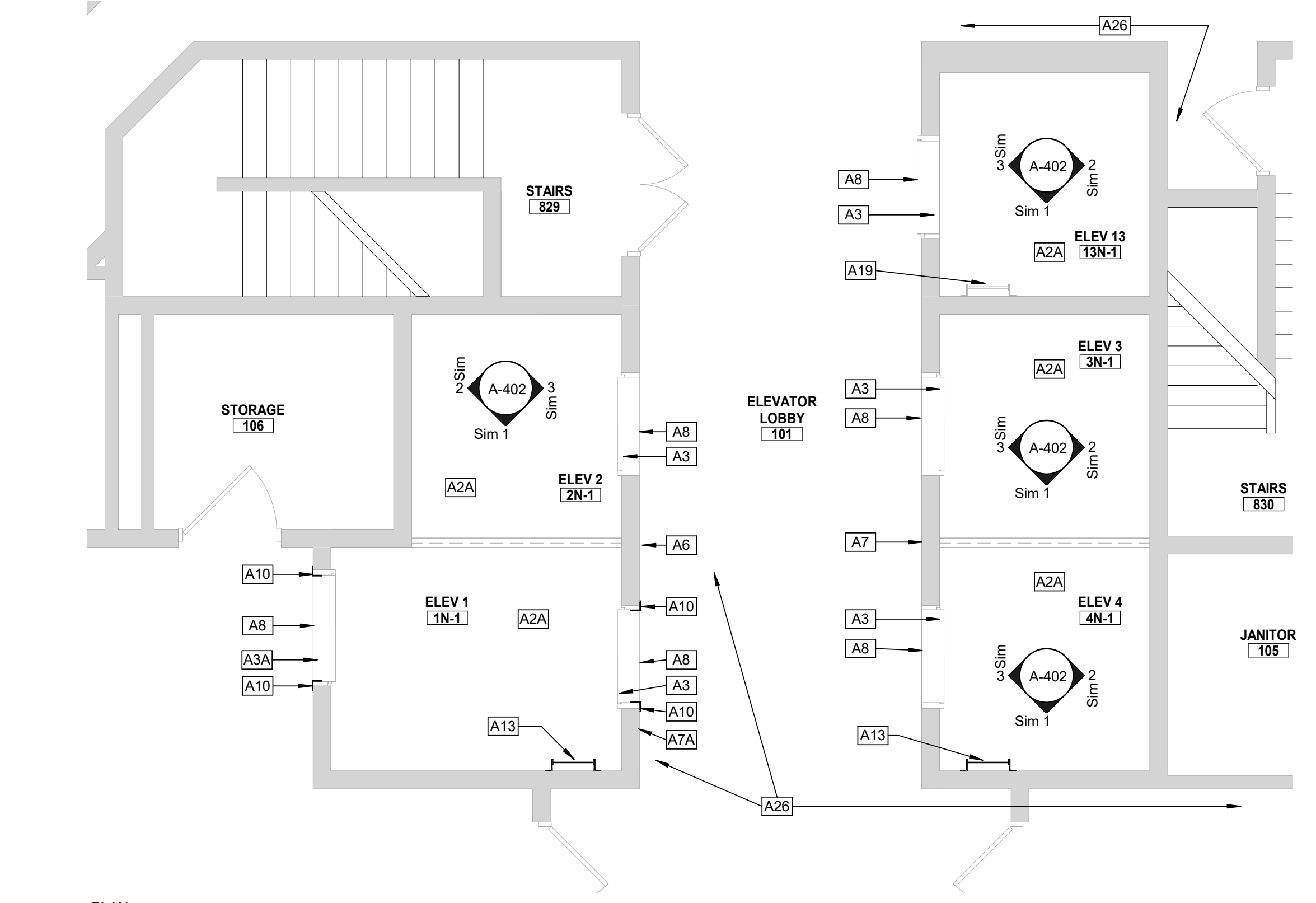
- A. REMOVE AND REPLACE CEILINGS AS REQUIRED FOR WORK ABOVE CEILINGS BY OTHER TRADES. PATCH AND REPAIR OR REPLACE CEILINGS TO MATCH EXISTING CONDITION.
- B. ALL HORIZONTAL/VERTICAL PENETRATIONS THROUGH RATED WALL, FLOOR, ROOF, AND CEILING ASSEMBLIES WILL BE FIRESTOPPED PER I.B.C. SECTION 712. ALL FIRESTOPPING MATERIAL WILL BE APPROVED BY FIRE MARSHALL.
- C. ELEVATOR CONTRACTOR TO COORDINATE WITH FACILITY TO PROVIDE 400 SF LAYDOWN SPACE FOR EACH ELEVATOR & ESCALATOR GROUPING LOCATION. SPACE FOR DUMPSTER WILL BE PROVIDED IN ONE BAY OF THE LOADING DOCK AREA. THE ELEVATOR CONTRACTOR WILL BE ABLE TO UTILIZE PARKING LOT 13 NEAR THE BUILDING FOR CONTRACTOR-SUPPLIED CONEX STORAGE BOXES.

SHEET KEYNOTES

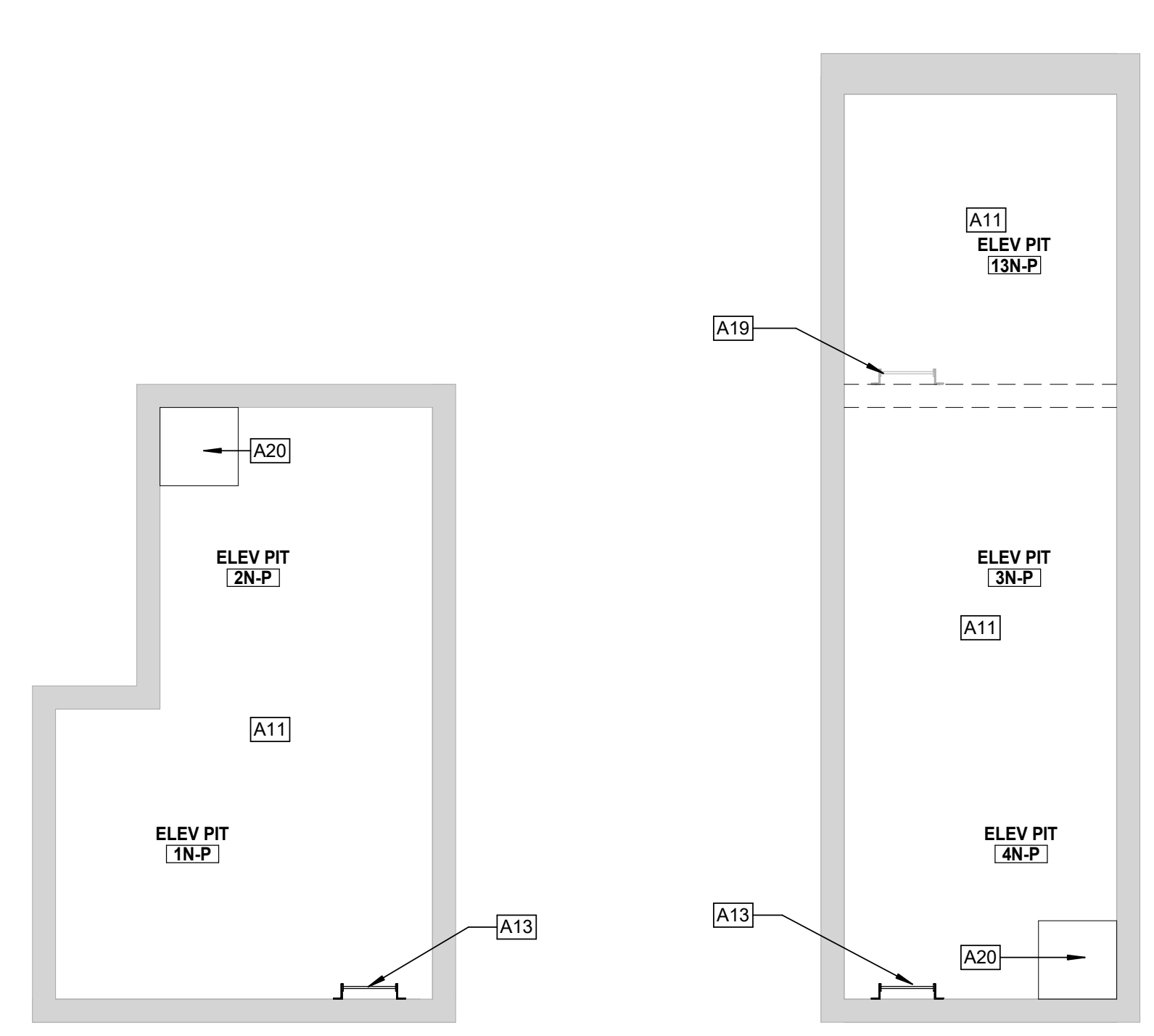
A2A	PROVIDE NEW ELEVATOR CAB STRUCTURE, INCLUDING INTERIOR FINISHES, FLOORING, SS WALLS & DOOR PANEL, AND CEILING / LIGHTING. SEE ROOM FINISH SCHEDULE SHEET A406. TOP OF NEW CAB TO BE PAINTED GRAY.
A3	EXISTING METAL ELEVATOR HOISTWAY DOOR PANELS, HEAD, JAMBS AND TRANSOM TO BE PREPPED AND REPAINTED.
A3A	NEW METAL ELEVATOR HOISTWAY ENTRANCE DOOR PANELS TO BE INSTALLED, EXISTING METAL ELEVATOR DOOR HEAD, JAMBS AND TRANSOM TO BE PREPPED AND REPAINTED.
A4	NEW STAINLESS STEEL ELEVATOR HOISTWAY ENTRANCE DOOR PANELS TO BE INSTALLED, EXISTING BRONZE ELEVATOR DOOR HEAD, JAMBS, AND TRANSOMS TO BE RECLAD IN STAINLESS STEEL. REFER TO SPECIFICATIONS.
A6	ELEVATOR HALL BUTTON / FACEPLATE TO BE REPLACED BY ELEVATOR CONTRACTOR. PATCH AND REFINISH EXISTING WOOD PANELS TO MATCH EXISTING. PROVIDE GROUING AND FIRESTOPPING AT SHAFT OPENING TO MAINTAIN 2-HOUR FIRE RATING.
A7	NEW ELEVATOR HALL BUTTON / FACEPLATE BY ELEVATOR CONTRACTOR. NEW OPENING TO BE CUT INTO EXISTING CMU & WOOD PANEL FURRING WALL. PATCH AND REFINISH EXISTING WOOD PANELS TO MATCH EXISTING. PROVIDE GROUING AND FIRESTOPPING AT SHAFT OPENING TO MAINTAIN 2-HOUR FIRE RATING.
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A8	NEW HALL LANTERN IN EXISTING OPENING IN TRANSOM PANEL ABOVE ELEVATOR.
A10	PROVIDE NEW RIGID VINYL ELEVATOR FRAME GUARD TO 4'-0" AFF AT ELEVATOR 1 ENTRANCE. SEE DETAIL 7/A402.
A11	EXISTING CONCRETE ELEVATOR PIT FLOOR TO BE CLEANED AND PAINTED GRAY.
A13	REINSTALL EXISTING SALVAGED ELEVATOR PIT ACCESS LADDER. REPAIR EXISTING LADDER.
A19	EXISTING PIT ACCESS LADDER TO REMAIN AND BE REPAINTED.
A20	NEW CONCRETE SUMP PIT WITH METAL GRATE. SEE DETAIL 3/A103. COORDINATE WITH PLUMBING DRAWINGS.
A26	REMOVE AND REPLACE EXISTING LAY-IN ACOUSTICAL CEILING TILES AND GRID AS REQUIRED FOR WORK ABOVE CEILING BY OTHER TRADES. COORDINATE FINAL EXTENT OF WORK WITH MEPPF DRAWINGS.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

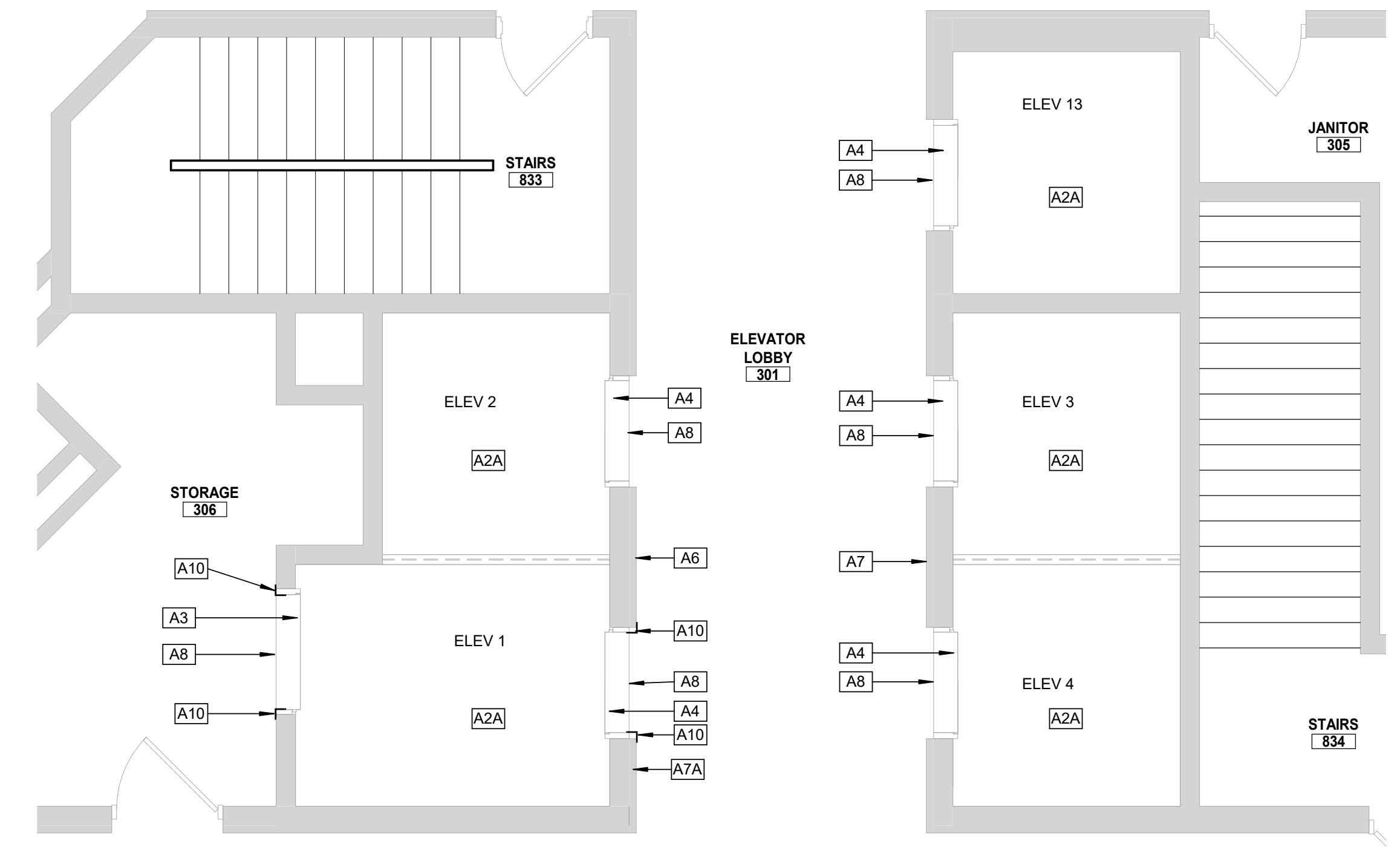
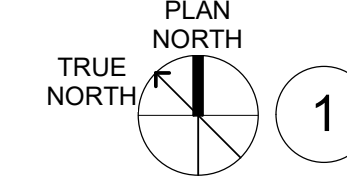
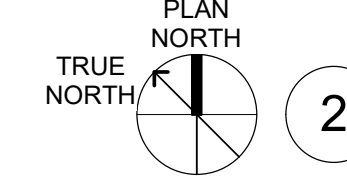
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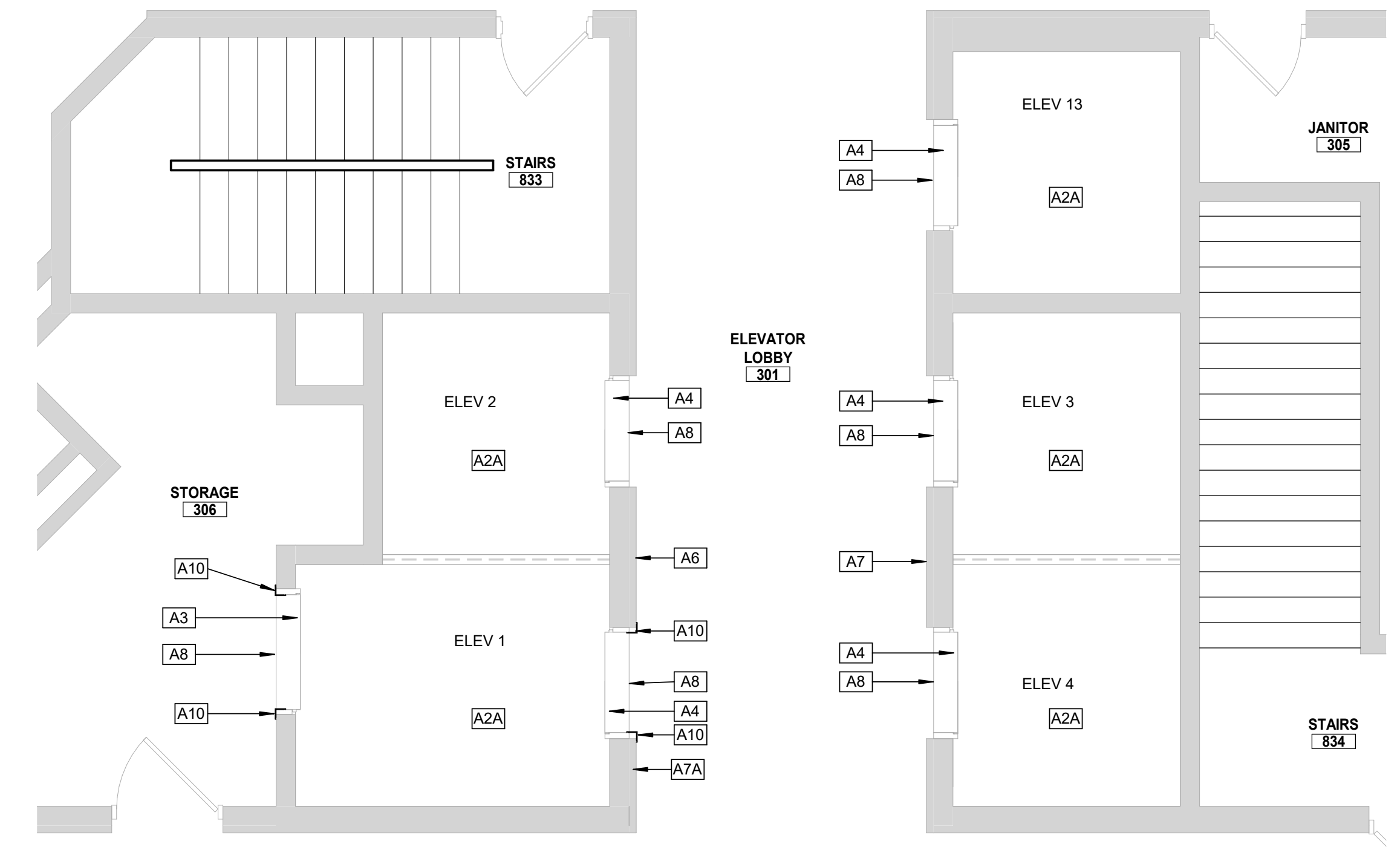
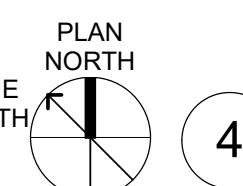
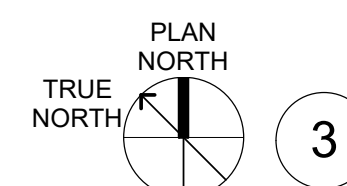
1ST FLOOR PLAN - NORTH PASSENGER ELEVATORS
1/4" = 1'-0"



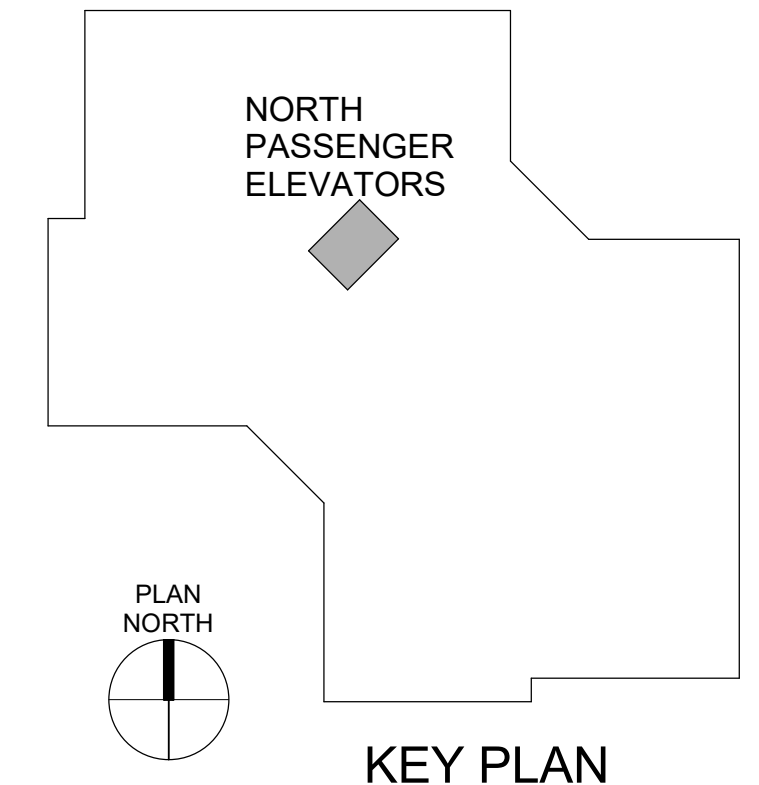
ELEVATOR PIT PLAN - NORTH PASSENGER ELEVATORS
1/4" = 1'-0"



2ND FLOOR PLAN - NORTH PASSENGER ELEVATORS
1/4" = 1'-0"



3RD FLOOR PLAN - NORTH PASSENGER ELEVATORS
1/4" = 1'-0"



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GENERAL NOTES - FLOOR PLANS

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CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

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**OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION**

Replace 13 Elevators and 6 Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

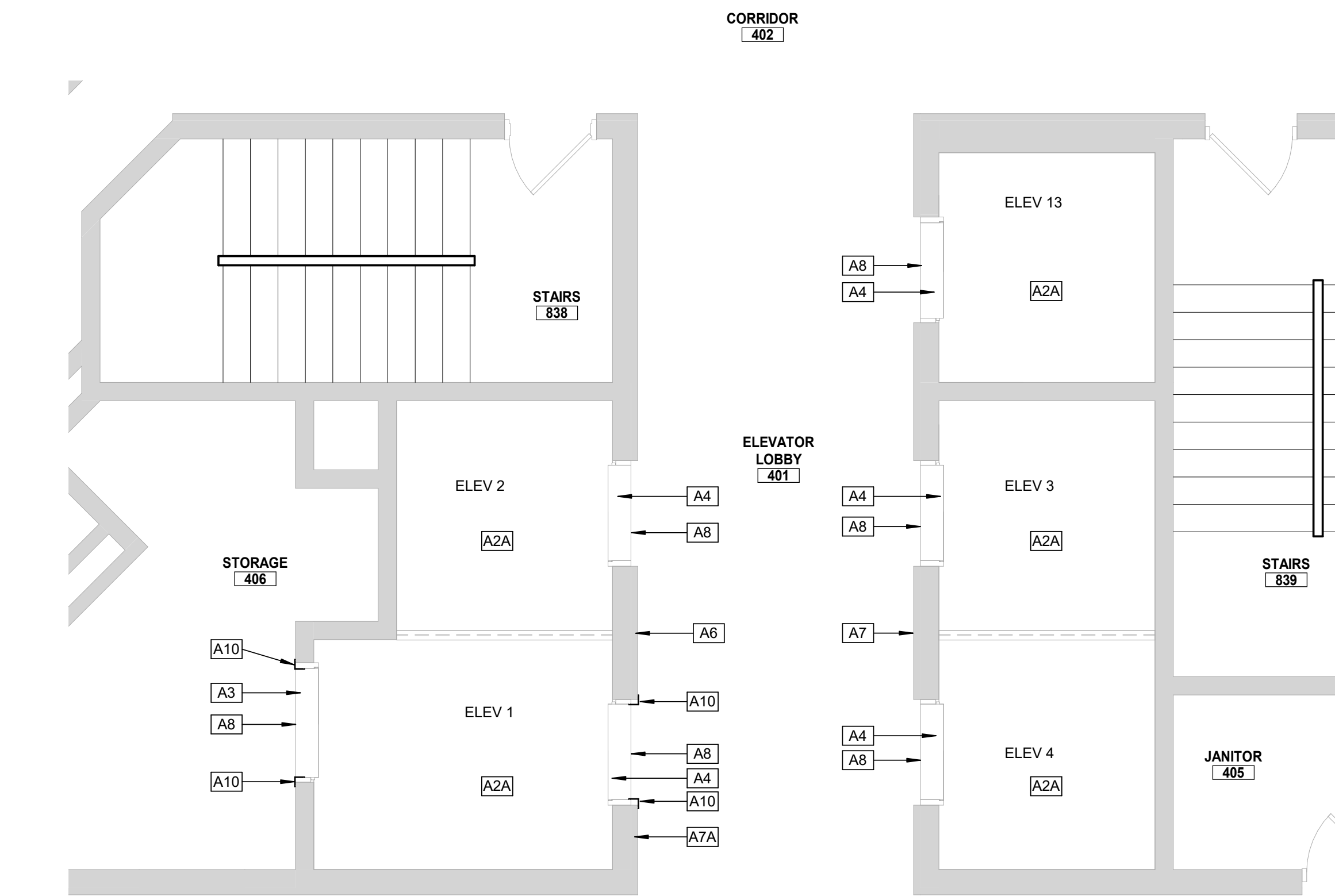
CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
**NORTH PASSENGER
ELEVATORS 1, 2, 3, 4
& 13**

SHEET NUMBER:

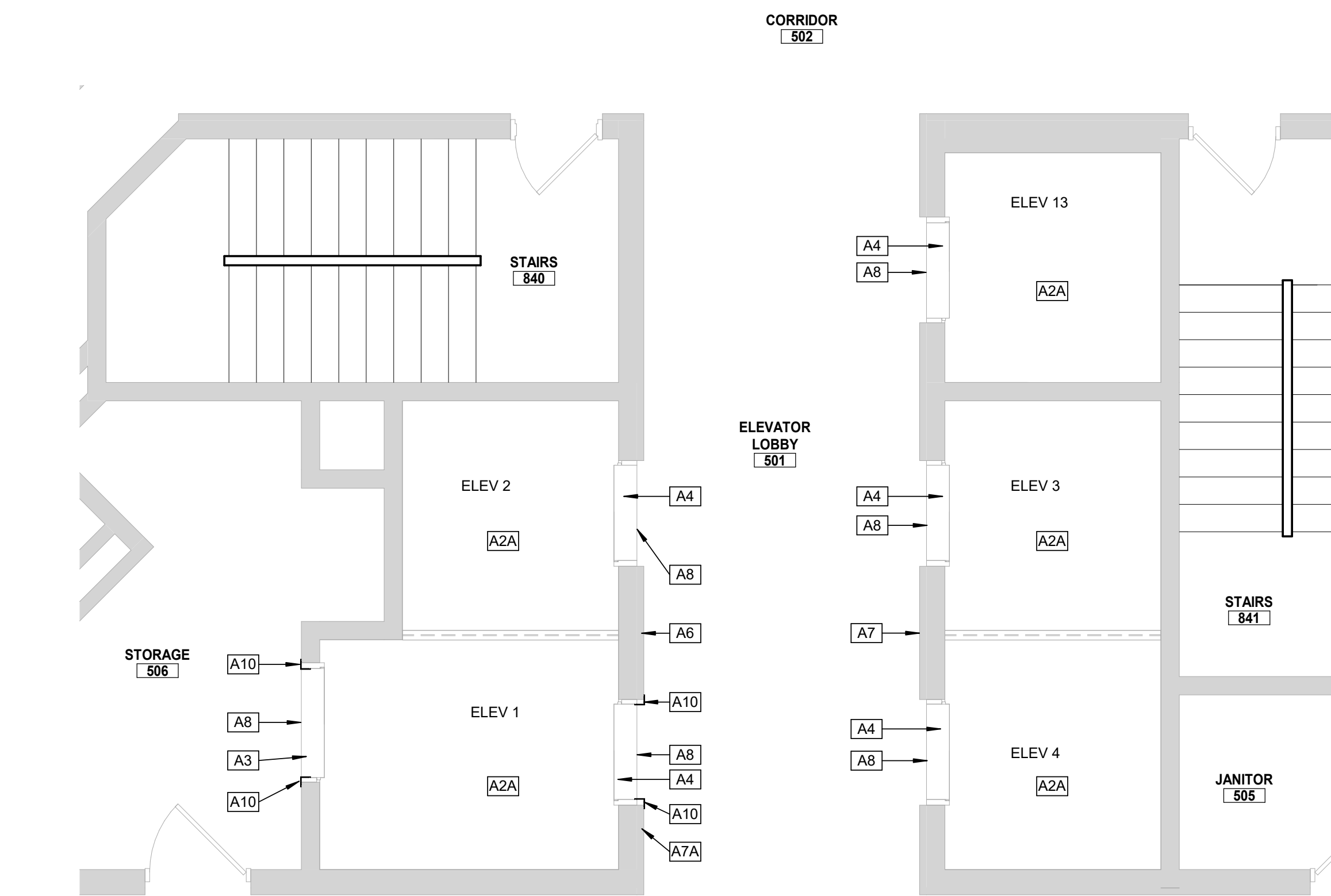
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SHEET NO. 13 OF 56
2024-07-12



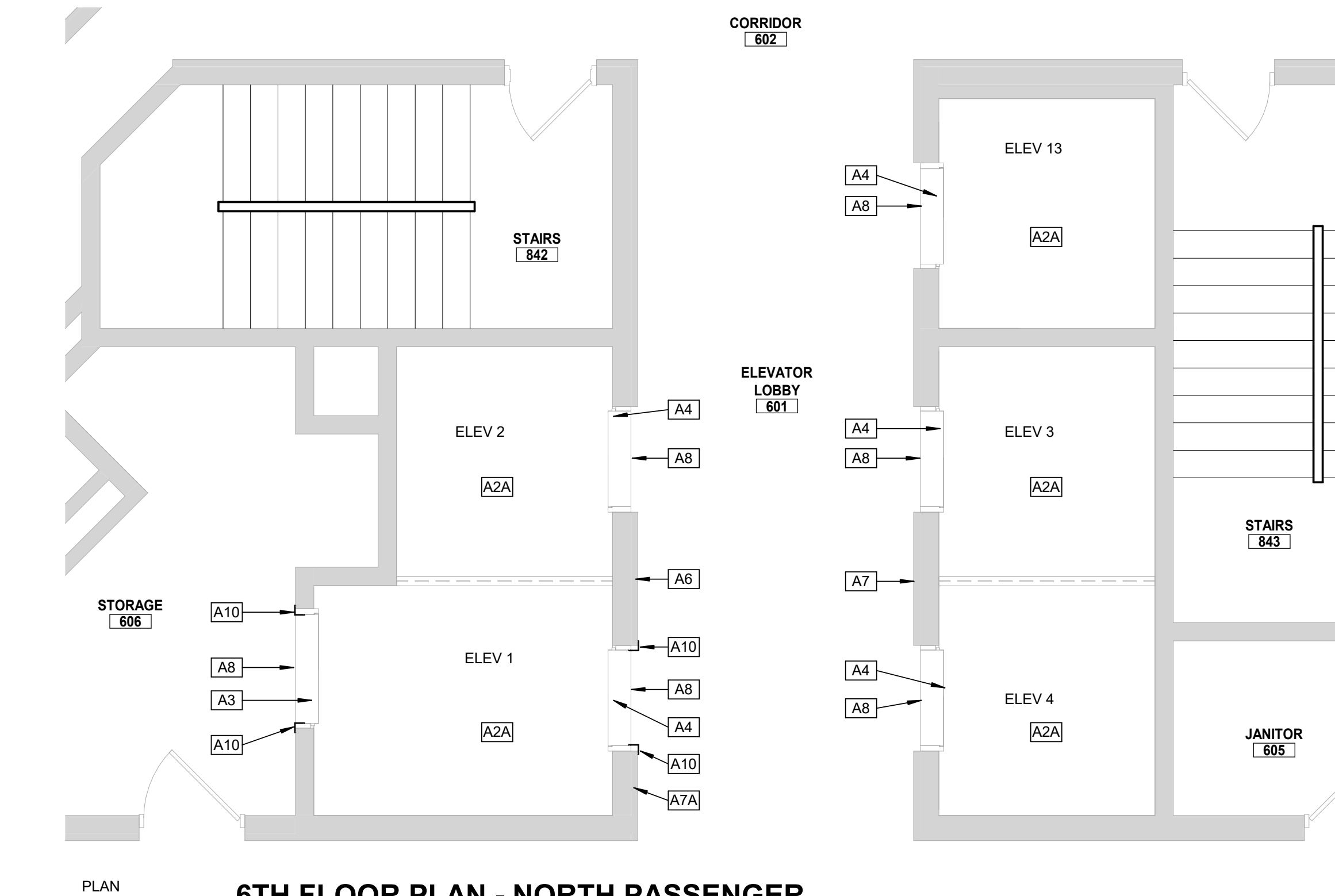
**4TH FLOOR PLAN - NORTH PASSENGER
ELEVATORS**

1
1/4" = 1'-0"



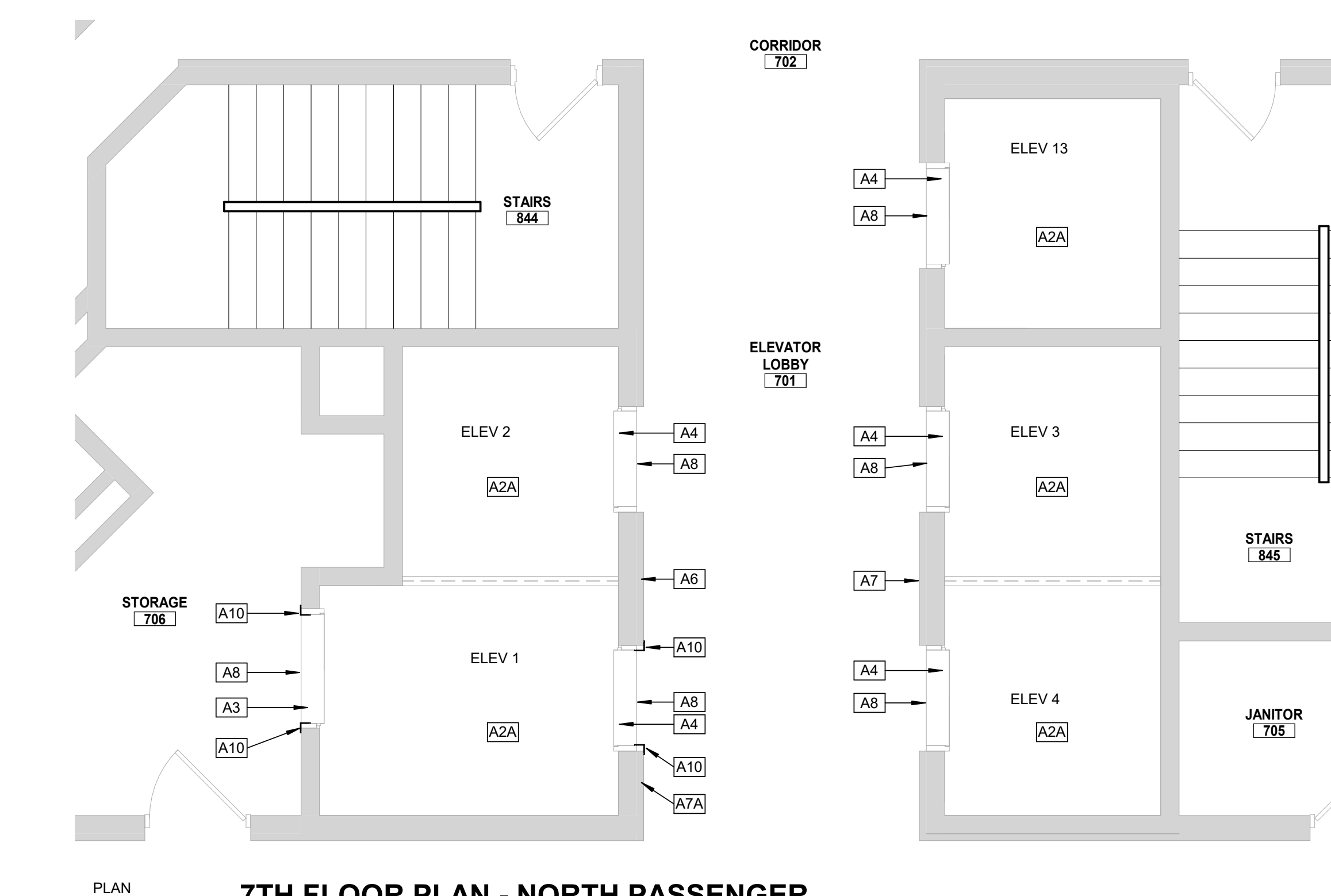
**5TH FLOOR PLAN - NORTH PASSENGER
ELEVATORS**

2
1/4" = 1'-0"



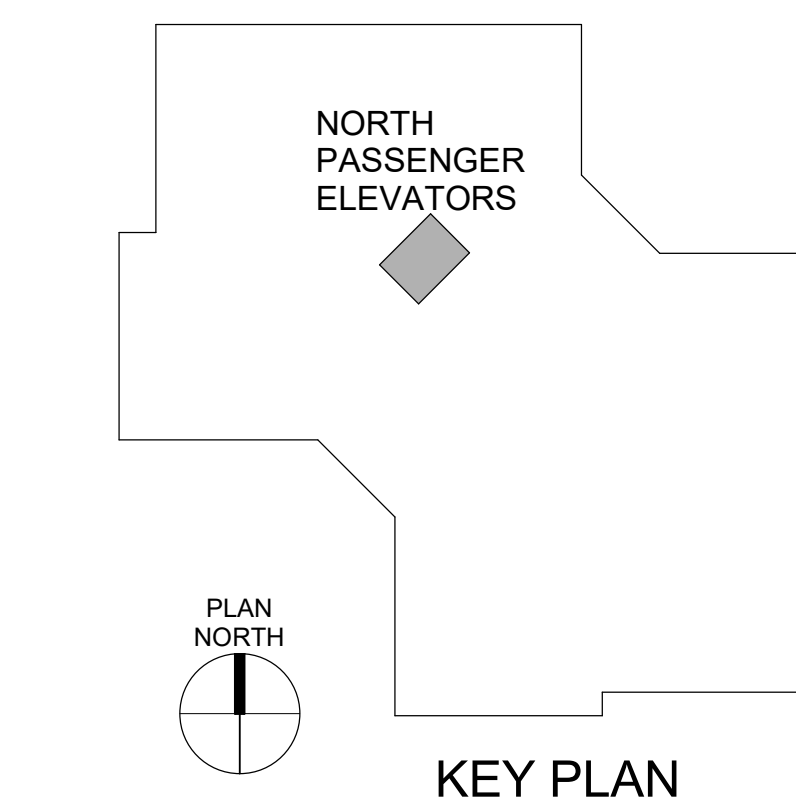
**6TH FLOOR PLAN - NORTH PASSENGER
ELEVATORS**

3
1/4" = 1'-0"



**7TH FLOOR PLAN - NORTH PASSENGER
ELEVATORS**

4
1/4" = 1'-0"



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OFFICE OF
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DESIGN AND
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Replace 13 Elevators and 6
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Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
NORTH PASSENGER
ELEVATORS 1, 2, 3, 4
& 13

SHEET NUMBER:

A-103

SHEET NO. 14 OF 56
2024-07-12

GENERAL NOTES - FLOOR PLANS

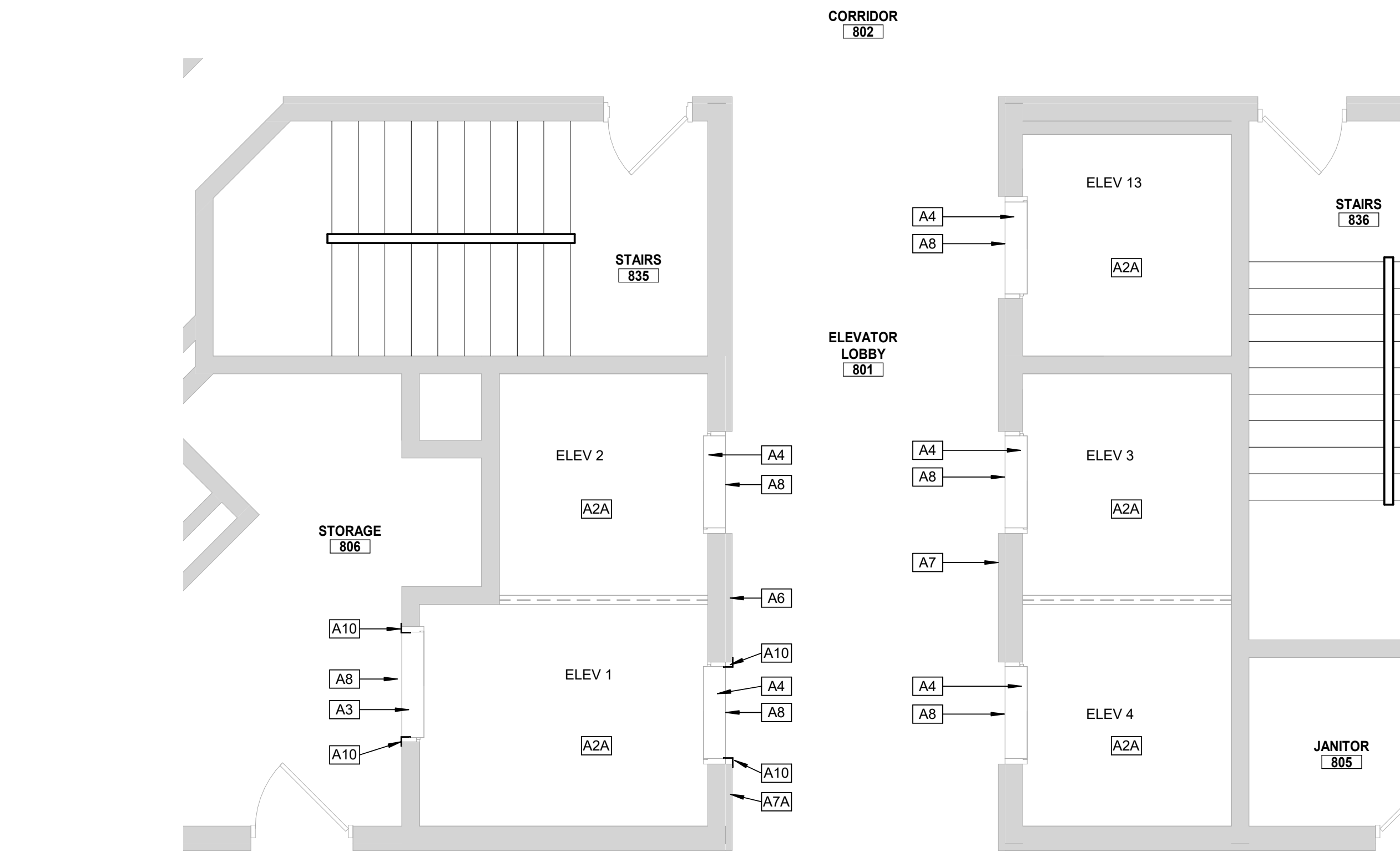
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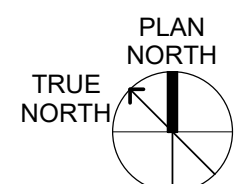
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A12	EXISTING CONCRETE ELEVATOR EQUIPMENT ROOM FLOOR TO BE CLEANED AND PAINTED GRAY.
A15	NEW 10LB ABC FIRE EXTINGUISHER WITH MOUNTING BRACKET.
A16	NEW ELEVATOR DRIVE MACHINE, CONTROLLER CABINET, SAFETY GOVERNOR AND ALL ASSOCIATED EQUIPMENT TO BE PROVIDED AND INSTALLED BY ELEVATOR CONTRACTOR.
A25	NEW ELECTRICAL GEAR. REFER TO ELECTRICAL DRAWINGS.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

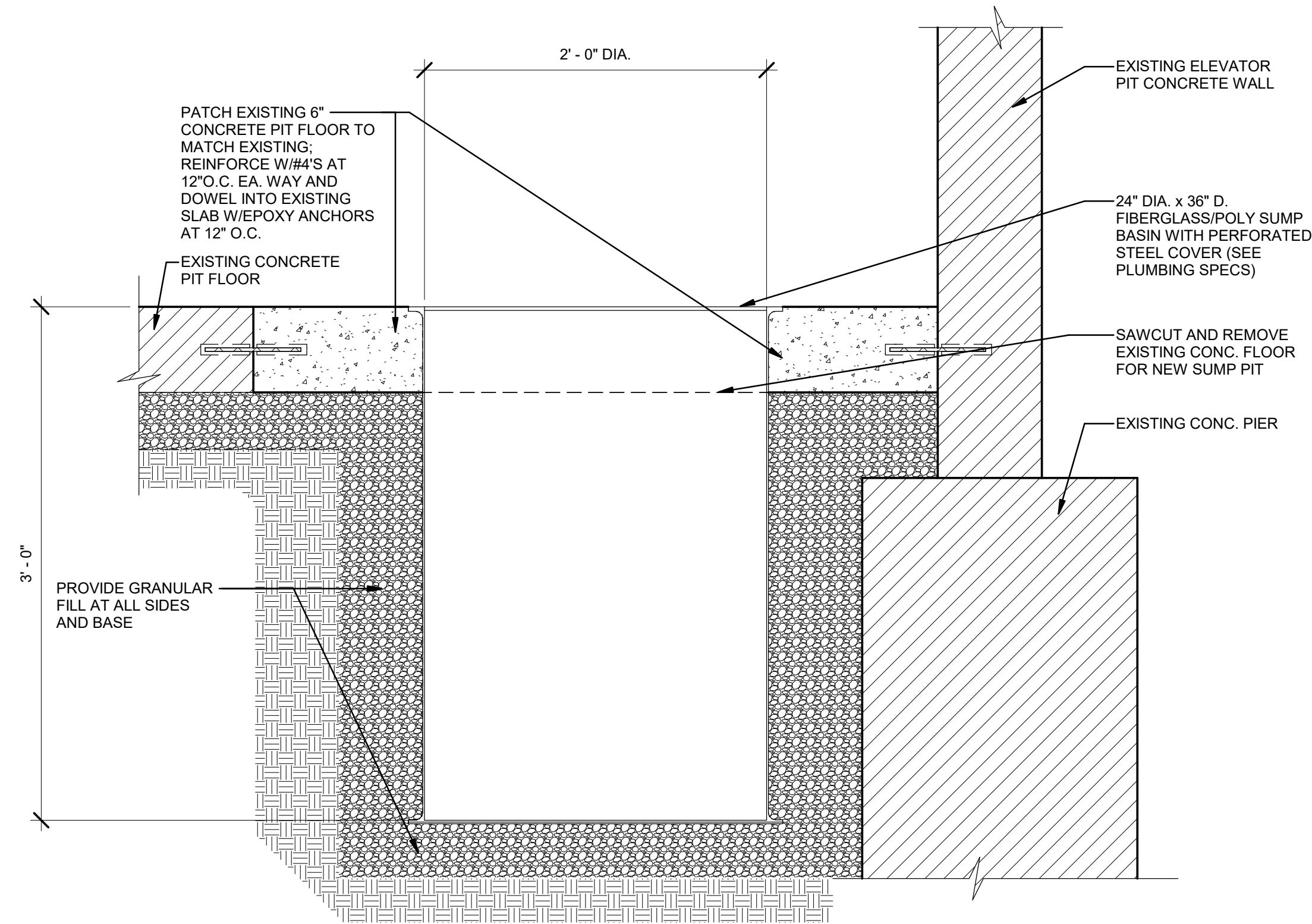
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8TH FLOOR PLAN - NORTH PASSENGER ELEVATORS

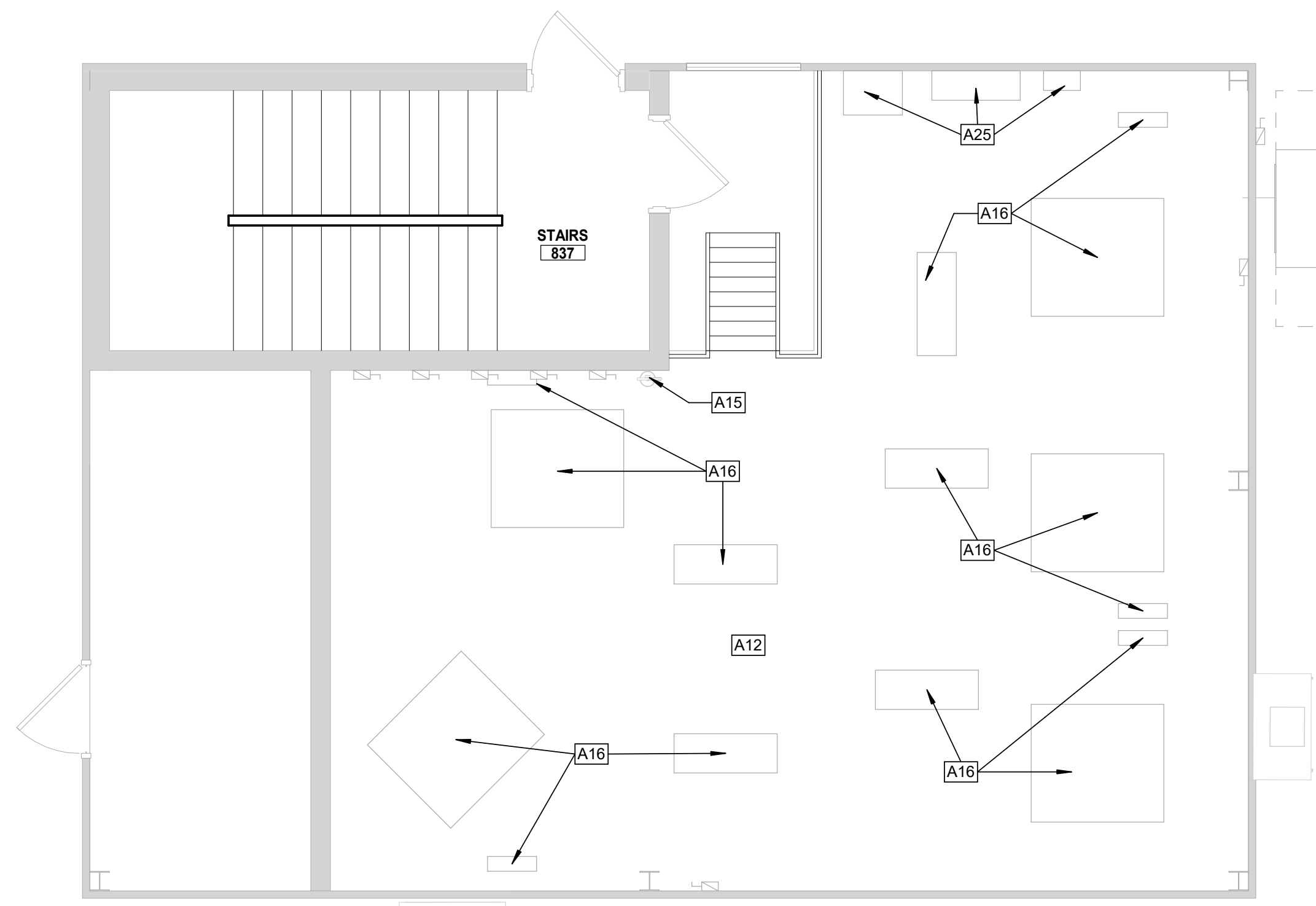


1
1/4" = 1'-0"

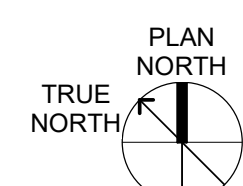


DETAIL AT ELEVATOR SUMP PIT

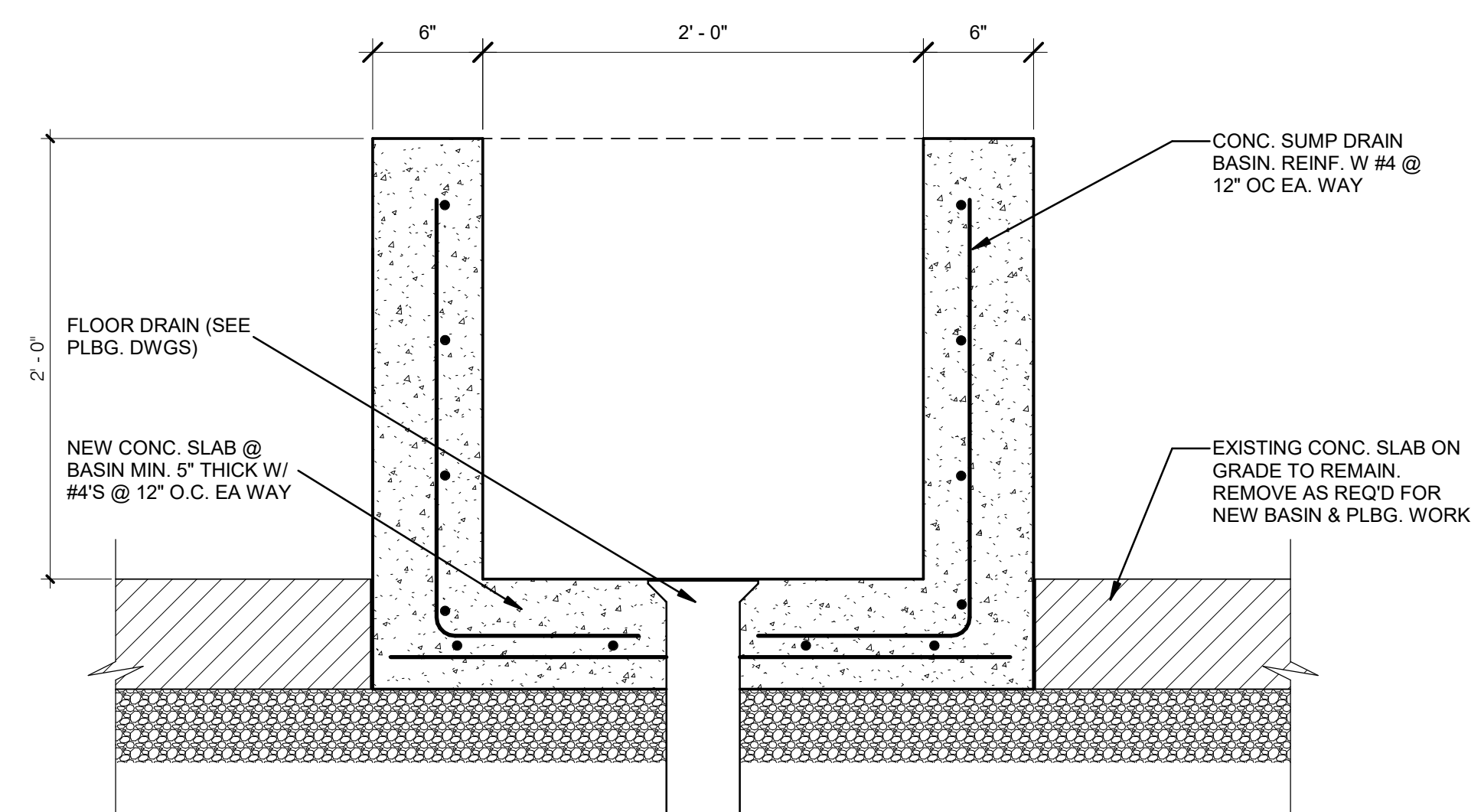
3
1 1/2" = 1'-0"



PENTHOUSE PLAN - NORTH PASSENGER ELEVATORS

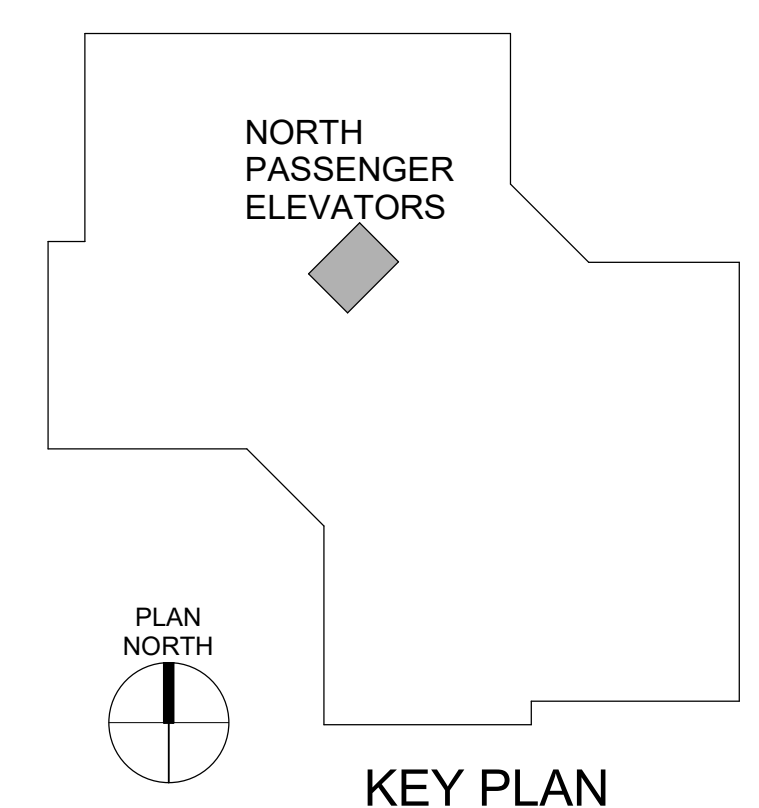


2
1/4" = 1'-0"



DETAIL @ SUMP DRAIN BASIN

4
1 1/2" = 1'-0"



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A4	NEW STAINLESS STEEL ELEVATOR HOISTWAY ENTRANCE DOOR PANELS TO BE INSTALLED. EXISTING BRONZE ELEVATOR DOOR HEAD, JAMBS, AND TRANSOMS TO BE RECLAD IN STAINLESS STEEL. REFER TO SPECIFICATIONS.
A6	ELEVATOR HALL BUTTON / FACEPLATE TO BE REPLACED BY ELEVATOR CONTRACTOR. PATCH AND REFINISH EXISTING WOOD PANELS TO MATCH EXISTING. PROVIDE GROUTING AND FIRESTOPPING AT SHAFT OPENING TO MAINTAIN 2-HOUR FIRE RATING.
A7	NEW ELEVATOR HALL BUTTON / FACEPLATE BY ELEVATOR CONTRACTOR. NEW OPENING TO BE CUT INTO EXISTING CMU & WOOD PANEL FURRING WALL. PATCH AND REFINISH EXISTING WOOD PANELS TO MATCH EXISTING. PROVIDE GROUTING AND FIRESTOPPING AT SHAFT OPENING TO MAINTAIN 2-HOUR FIRE RATING.
A8	NEW HALL LANTERN IN EXISTING OPENING IN TRANSOM PANEL ABOVE ELEVATOR.
A11	EXISTING CONCRETE ELEVATOR PIT FLOOR TO BE CLEANED AND PAINTED GRAY.
A13	REINSTALL EXISTING SALVAGED ELEVATOR PIT ACCESS LADDER. REPAINT EXISTING LADDER.
A20	NEW CONCRETE SUMP PIT WITH METAL GRATE. SEE DETAIL 3/A103. COORDINATE WITH PLUMBING DRAWINGS.
A26	REMOVE AND REPLACE EXISTING LAY-IN ACOUSTICAL CEILING TILES AND GRID AS REQUIRED FOR WORK ABOVE CEILING BY OTHER TRADES. COORDINATE FINAL EXTENT OF WORK WITH MEFPF DRAWINGS.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE PASSENGER ELEVATOR NOS. 1 - 4, 13 AND 5 - 8, 14 IN THE BUILDING, TWO (2) ELEVATORS AT A TIME.

- NORMAL WORKING HOURS FOR THE CONTRACTOR IN THIS SECTION SHALL BE BETWEEN 6:30AM AND 5:00PM ON WEEKDAYS. OFF-HOUR WORK IS ALLOWED FOR CALL BUTTON UPGRADES AND FIRE ALARM PRETESTING.
- ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ELEVATOR PER GROUP TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
- PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ELEVATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6 Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

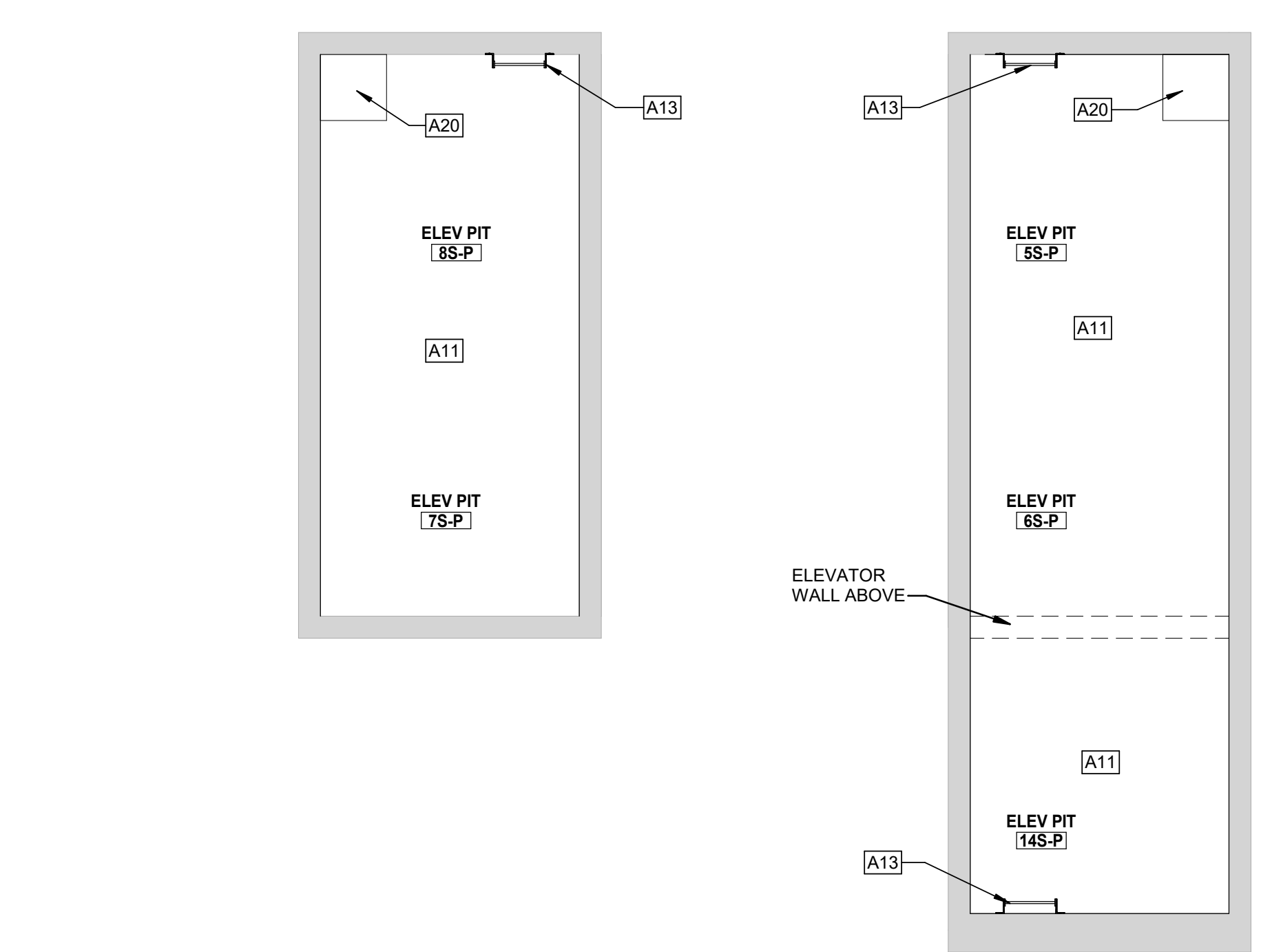
CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
**SOUTH PASSENGER
ELEVATORS 5, 6, 7, 8
& 14**

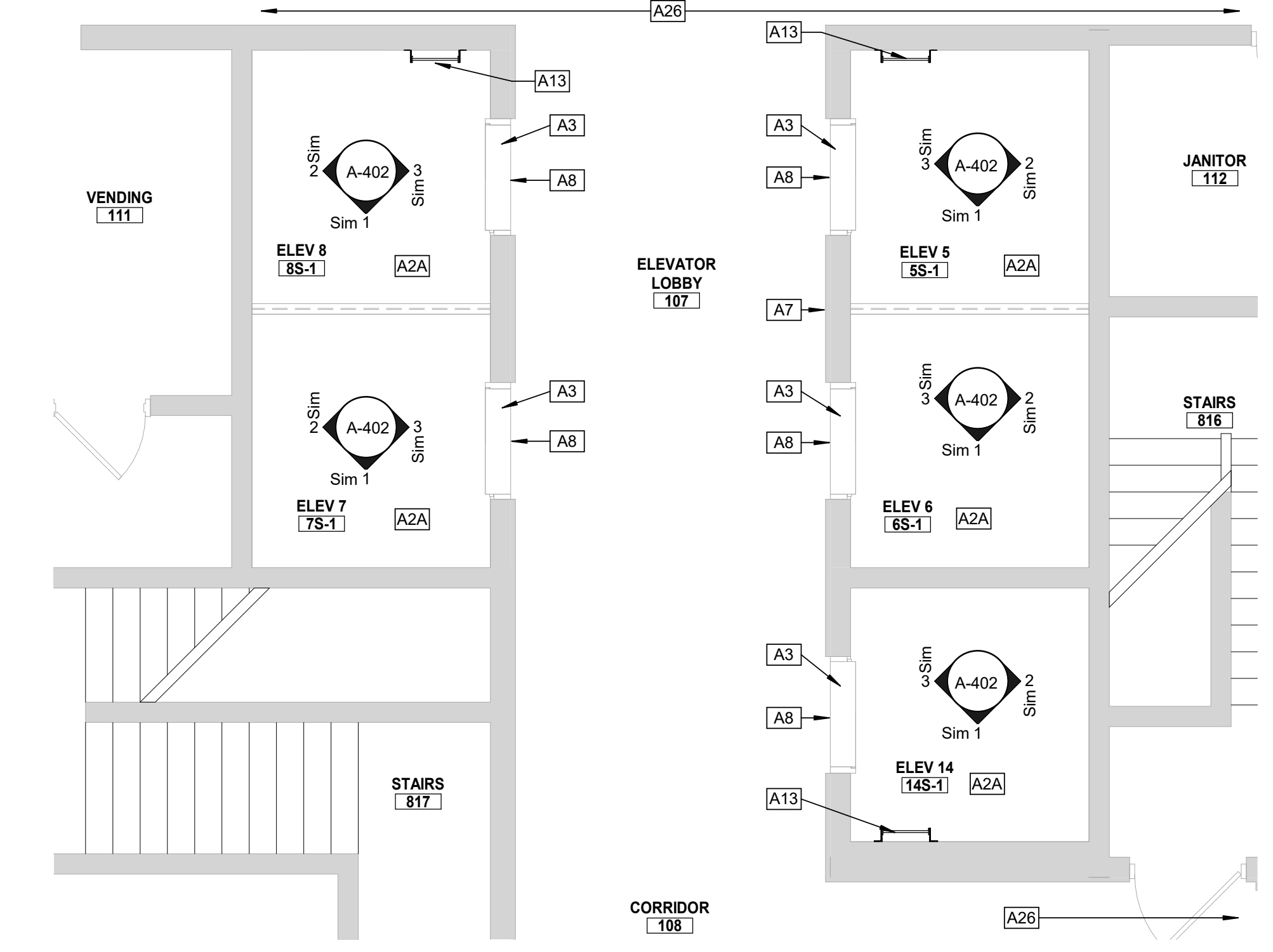
SHEET NUMBER:

A-104

SHEET NO. 15 OF 56
2024-07-12



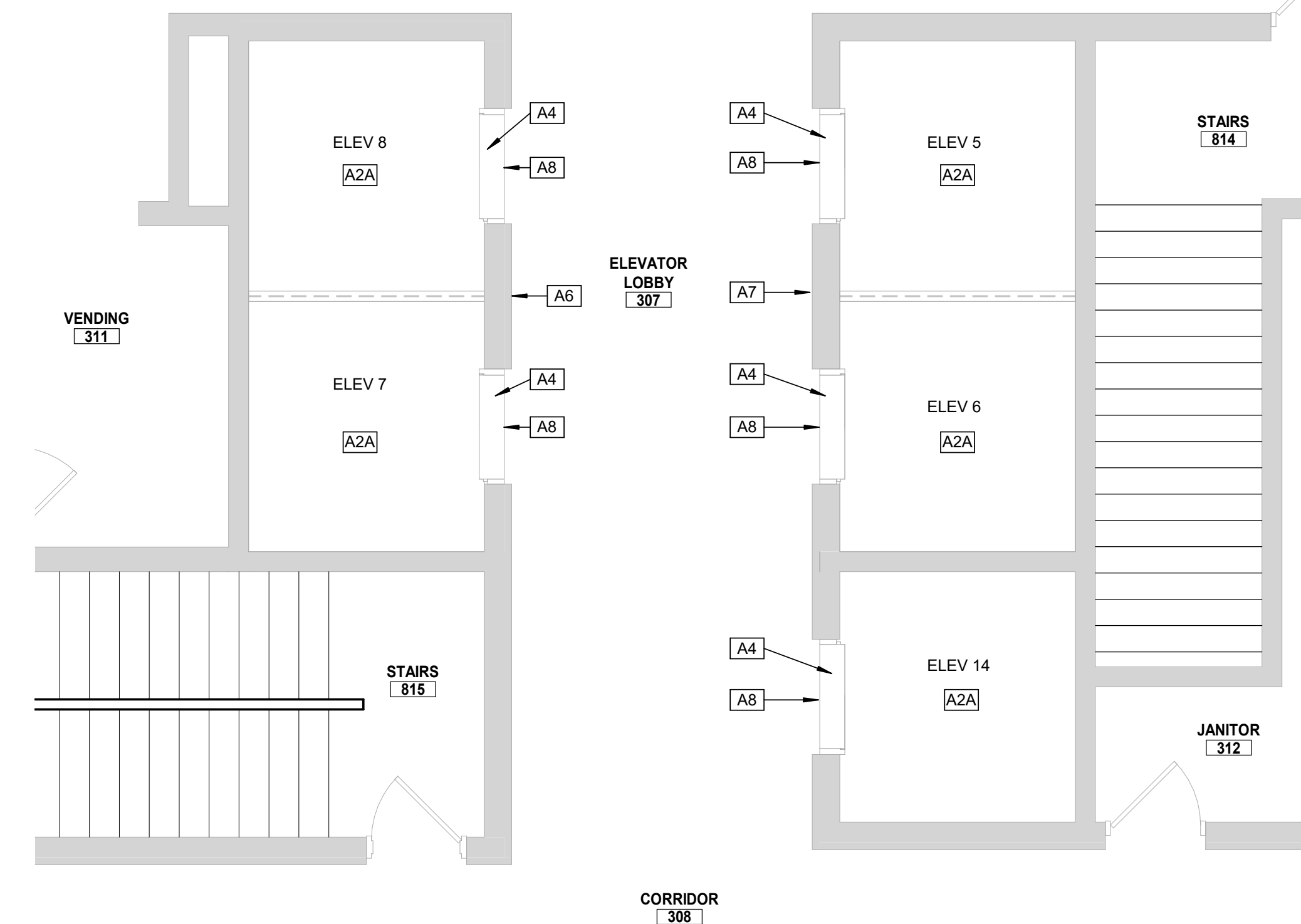
ELEVATOR PIT PLAN - SOUTH PASSENGER ELEVATORS
1
1/4" = 1'-0"



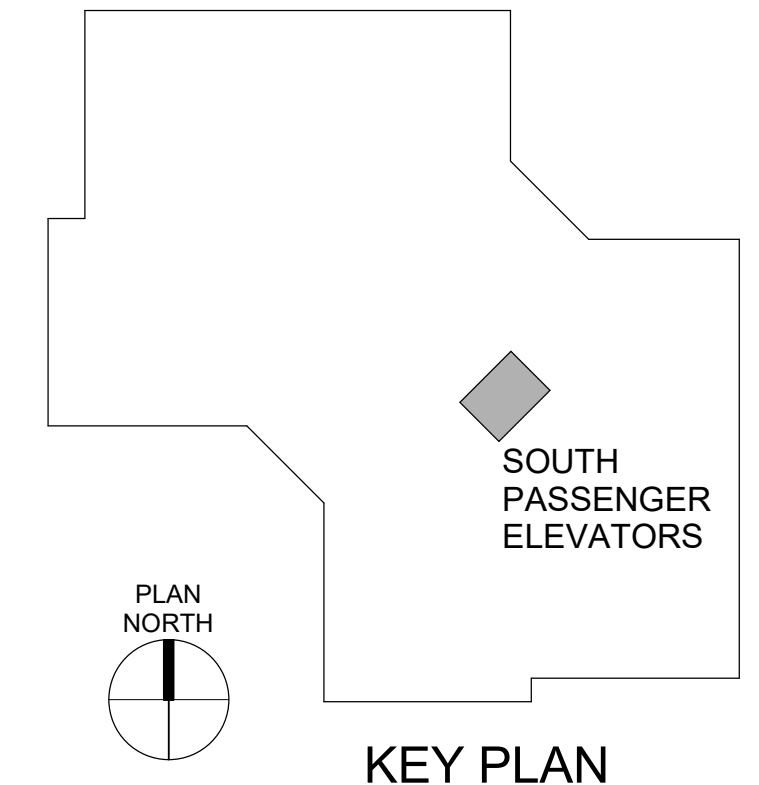
1ST FLOOR PLAN - SOUTH PASSENGER ELEVATORS
2
1/4" = 1'-0"



2ND FLOOR PLAN - SOUTH PASSENGER ELEVATORS
3
1/4" = 1'-0"



3RD FLOOR PLAN - SOUTH PASSENGER ELEVATORS
4
1/4" = 1'-0"



KEY PLAN



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F: 314.918.1766
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OF AUTHORITY #000148

ELEVATOR
CONSULTANT



600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
(636) 861-2722

OFFICE OF
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MANAGEMENT,
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Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

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REVISION: _____
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CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
**SOUTH PASSENGER
ELEVATORS 5, 6, 7, 8
& 14**

SHEET NUMBER:

A-105

SHEET NO. 16 OF 56
2024-07-12

GENERAL NOTES - FLOOR PLANS

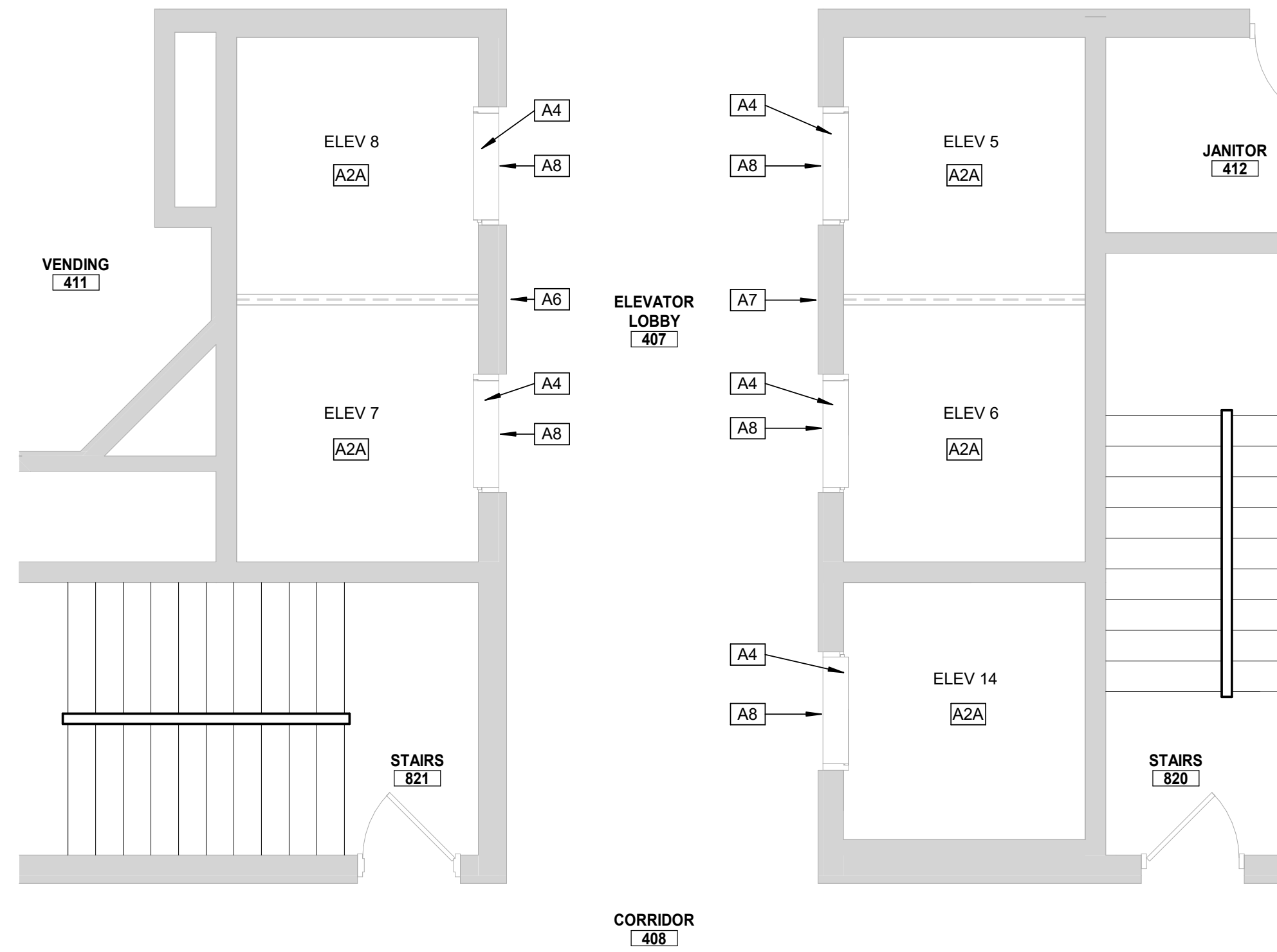
- A. REMOVE AND REPLACE CEILINGS AS REQUIRED FOR WORK ABOVE CEILINGS BY OTHER TRADES. PATCH AND REPAIR OR REPLACE CEILINGS TO MATCH EXISTING CONDITION.
- B. ALL HORIZONTAL/VERTICAL PENETRATIONS THROUGH RATED WALL, FLOOR, ROOF, AND CEILING ASSEMBLIES WILL BE FIRESTOPPED PER I.B.C. SECTION 712. ALL FIRESTOPPING MATERIAL WILL BE APPROVED BY FIRE MARSHALL.
- C. ELEVATOR CONTRACTOR TO COORDINATE WITH FACILITY TO PROVIDE 400 SF LAYDOWN SPACE FOR EACH ELEVATOR & ESCALATOR GROUPING / LOCATION. SPACE FOR DUMPSTER WILL BE PROVIDED IN ONE BAY OF THE LOADING DOCK AREA. THE ELEVATOR CONTRACTOR WILL BE ABLE TO UTILIZE PARKING LOT 13 NEAR THE BUILDING FOR CONTRACTOR-SUPPLIED CONEX STORAGE BOXES.

SHEET KEYNOTES

A2A	PROVIDE NEW ELEVATOR CAB STRUCTURE, INCLUDING INTERIOR FINISHES: FLOORING, SS WALLS & DOOR PANEL, AND CEILING / LIGHTING. SEE ROOM FINISH SCHEDULE SHEET A406. TOP OF NEW CAB TO BE PAINTED GRAY.
A4	NEW STAINLESS STEEL ELEVATOR HOISTWAY ENTRANCE DOOR PANELS TO BE INSTALLED. EXISTING BRONZE ELEVATOR DOOR HEAD, JAMBS, AND TRANSOMS TO BE RECLAD IN STAINLESS STEEL. REFER TO SPECIFICATIONS.
A6	ELEVATOR HALL BUTTON / FACEPLATE TO BE REPLACED BY ELEVATOR CONTRACTOR. PATCH AND REFINISH EXISTING WOOD PANELS TO MATCH EXISTING. PROVIDE GROUTING AND FIRESTOPPING AT SHAFT OPENING TO MAINTAIN 2-HOUR FIRE RATING.
A7	NEW ELEVATOR HALL BUTTON / FACEPLATE BY ELEVATOR CONTRACTOR. NEW OPENING TO BE CUT INTO EXISTING CMU & WOOD PANEL FURRING WALL. PATCH AND REFINISH EXISTING WOOD PANELS TO MATCH EXISTING. PROVIDE GROUTING AND FIRESTOPPING AT SHAFT OPENING TO MAINTAIN 2-HOUR FIRE RATING.
A8	NEW HALL LANTERN IN EXISTING OPENING IN TRANSOM PANEL ABOVE ELEVATOR.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

- PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE PASSENGER ELEVATOR NOS. 1 - 4, 13 AND 5 - 8, 14 IN THE BUILDING, TWO (2) ELEVATORS AT A TIME.
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 - ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ELEVATOR PER GROUP TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
 - PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ELEVATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.



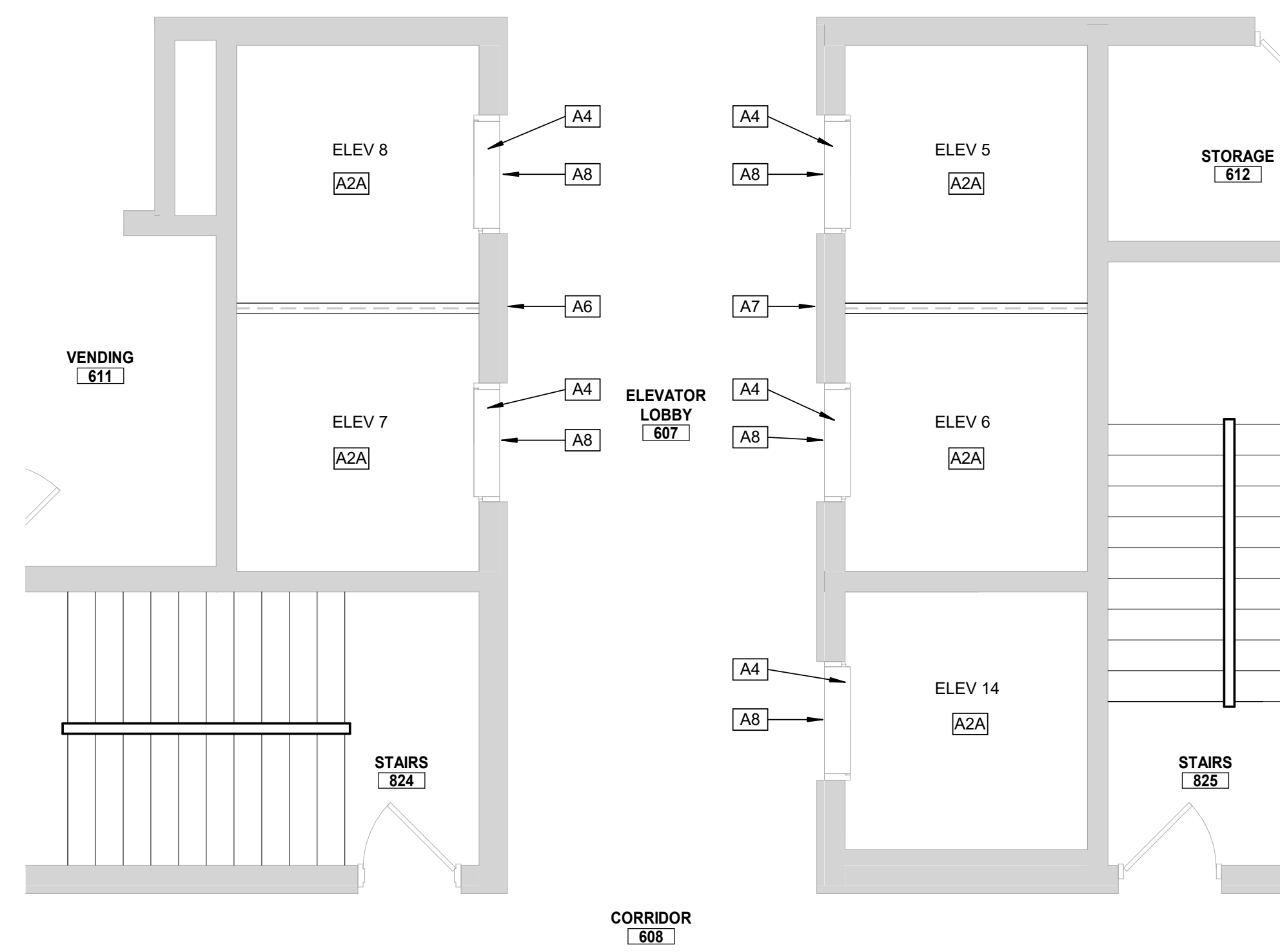
4TH FLOOR PLAN - SOUTH PASSENGER ELEVATORS

1
1/4" = 1'-0"



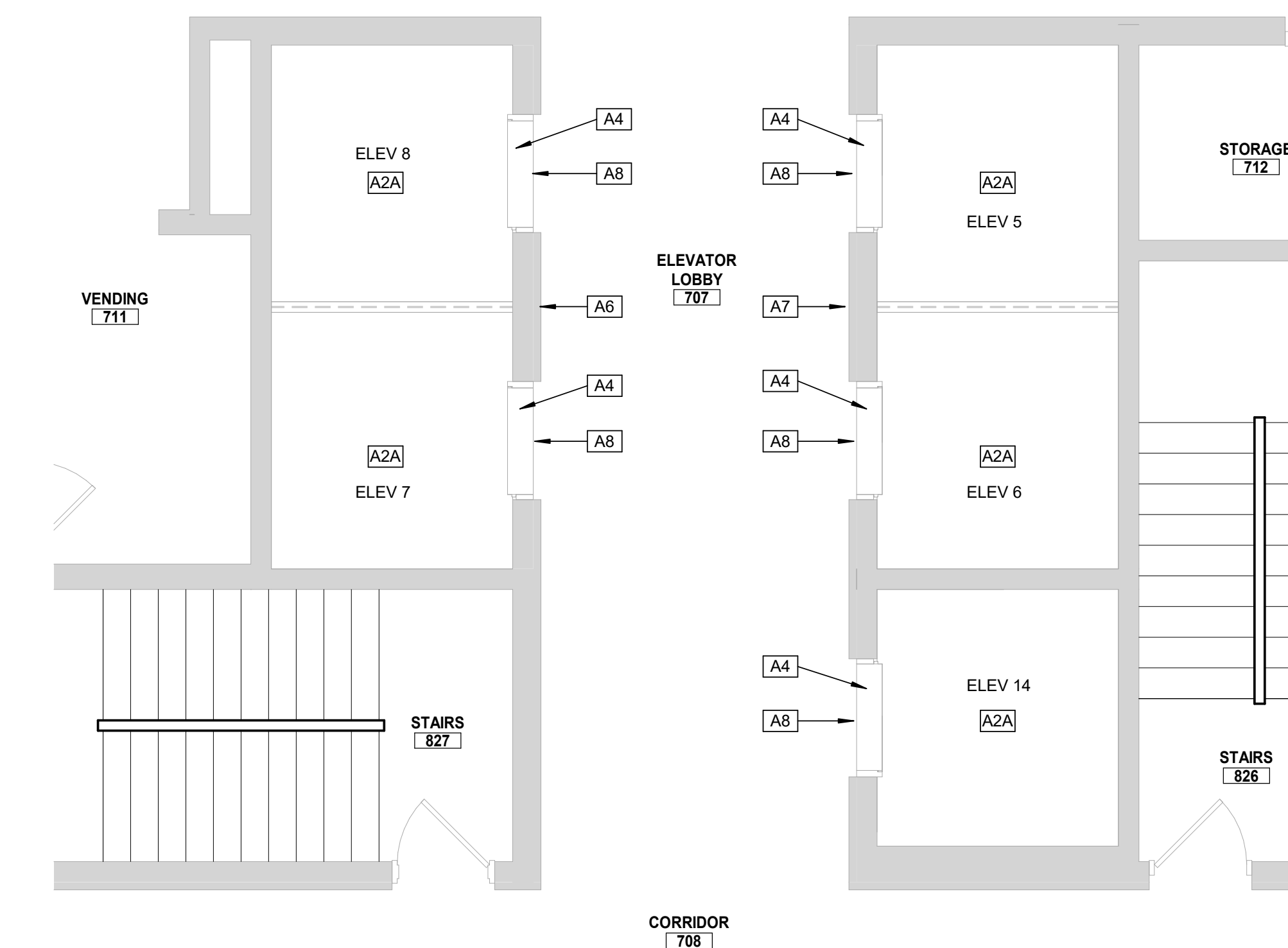
5TH FLOOR PLAN - SOUTH PASSENGER ELEVATORS

2
1/4" = 1'-0"



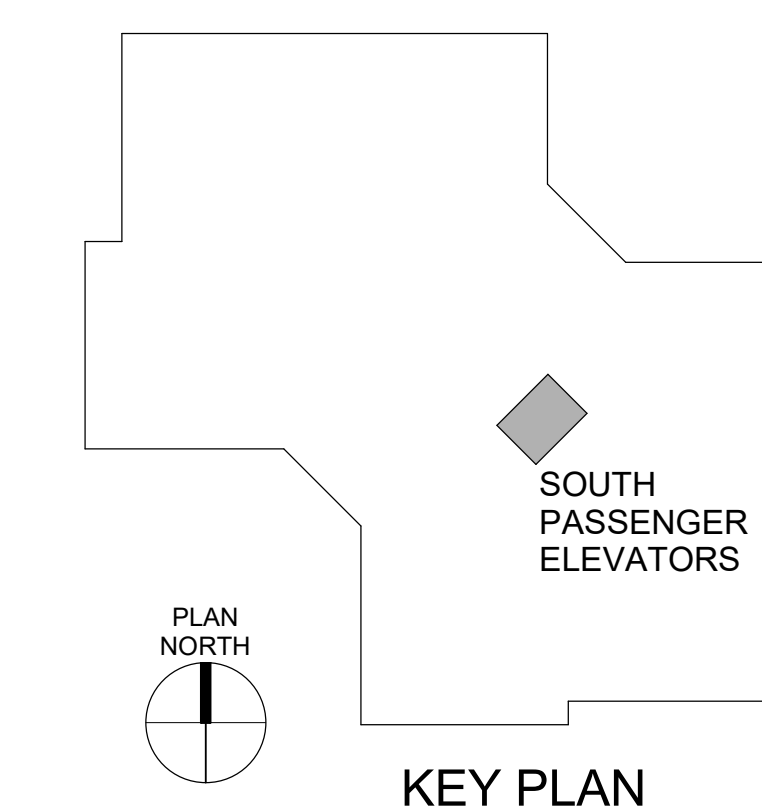
6TH FLOOR PLAN - SOUTH PASSENGER ELEVATORS

3
1/4" = 1'-0"



7TH FLOOR PLAN - SOUTH PASSENGER ELEVATORS

4
1/4" = 1'-0"



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600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
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GENERAL NOTES - FLOOR PLANS

- A. REMOVE AND REPLACE CEILINGS AS REQUIRED FOR WORK ABOVE CEILINGS BY OTHER TRADES. PATCH AND REPAIR OR REPLACE CEILINGS TO MATCH EXISTING CONDITION.
- B. ALL HORIZONTAL/VERTICAL PENETRATIONS THROUGH RATED WALL, FLOOR, ROOF, AND CEILING ASSEMBLIES WILL BE FIRESTOPPED PER I.B.C. SECTION 712. ALL FIRESTOPPING MATERIAL WILL BE APPROVED BY FIRE MARSHALL.
- C. ELEVATOR CONTRACTOR TO COORDINATE WITH FACILITY TO PROVIDE 400 SF LAYDOWN SPACE FOR EACH ELEVATOR & ESCALATOR GROUPING / LOCATION. SPACE FOR DUMPSTER WILL BE PROVIDED IN ONE BAY OF THE LOADING DOCK AREA. THE ELEVATOR CONTRACTOR WILL BE ABLE TO UTILIZE PARKING LOT 13 NEAR THE BUILDING FOR CONTRACTOR-SUPPLIED CONEX STORAGE BOXES.

SHEET KEYNOTES

A2A	PROVIDE NEW ELEVATOR CAB STRUCTURE, INCLUDING INTERIOR FINISHES: FLOORING, SS WALLS & DOOR PANEL, AND CEILING / LIGHTING. SEE ROOM FINISH SCHEDULE SHEET A406. TOP OF NEW CAB TO BE PAINTED GRAY.
A3	EXISTING METAL ELEVATOR HOISTWAY DOOR PANELS, HEAD, JAMBS AND TRANSOM TO BE PREPPED AND REPAINTED.
A4	NEW STAINLESS STEEL ELEVATOR HOISTWAY ENTRANCE DOOR PANELS TO BE INSTALLED. EXISTING BRONZE ELEVATOR DOOR HEAD, JAMBS, AND TRANSOMS TO BE RECLAD IN STAINLESS STEEL. REFER TO SPECIFICATIONS.
A6	ELEVATOR HALL BUTTON / FACEPLATE TO BE REPLACED BY ELEVATOR CONTRACTOR. PATCH AND REFINISH EXISTING WOOD PANELS TO MATCH EXISTING. PROVIDE GROUTING AND FIRESTOPPING AT SHAFT OPENING TO MAINTAIN 2-HOUR FIRE RATING.
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A8	NEW HALL LANTERN IN EXISTING OPENING IN TRANSOM PANEL ABOVE ELEVATOR.
A12	EXISTING CONCRETE ELEVATOR EQUIPMENT ROOM FLOOR TO BE CLEANED AND PAINTED GRAY.
A15	NEW 10LB ABC FIRE EXTINGUISHER WITH MOUNTING BRACKET.
A16	NEW ELEVATOR DRIVE MACHINE, CONTROLLER CABINET, SAFETY GOVERNOR AND ALL ASSOCIATED EQUIPMENT TO BE PROVIDED AND INSTALLED BY ELEVATOR CONTRACTOR.
A25	NEW ELECTRICAL GEAR. REFER TO ELECTRICAL DRAWINGS.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

- PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE PASSENGER ELEVATOR NOS. 1 - 4, 13 AND 5 - 8, 14 IN THE BUILDING, TWO (2) ELEVATORS AT A TIME.
- NORMAL WORKING HOURS FOR THE CONTRACTOR IN THIS SECTION SHALL BE BETWEEN 6:30AM AND 5:00PM ON WEEKDAYS. OFF-HOUR WORK IS ALLOWED FOR CALL BUTTON UPGRADES AND FIRE ALARM PRETESTING.
 - ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ELEVATOR PER GROUP TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
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OFFICE OF
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DIVISION OF FACILITIES
MANAGEMENT,
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CONSTRUCTION

Replace 13 Elevators and 6 Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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ISSUE DATE: 2024-07-12

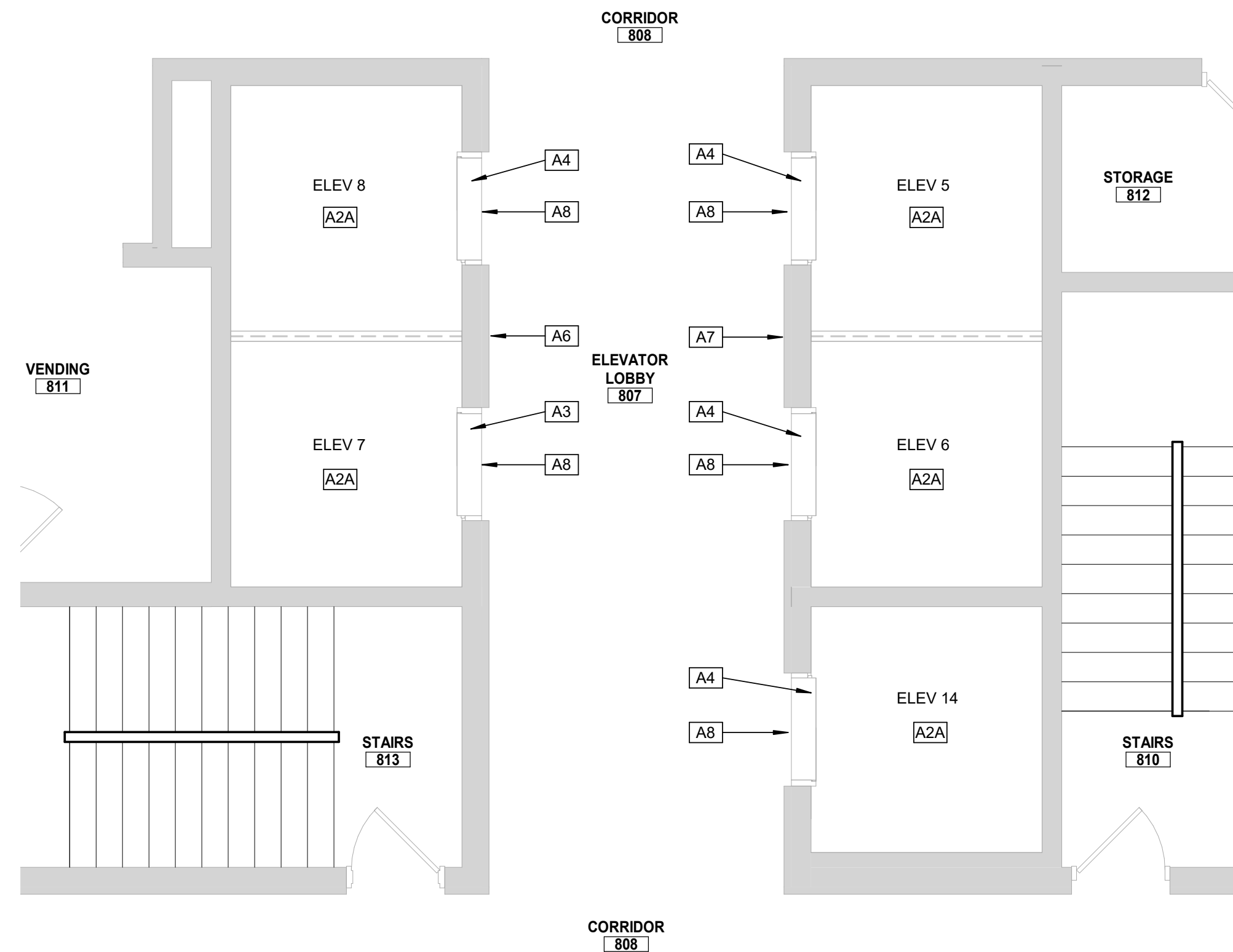
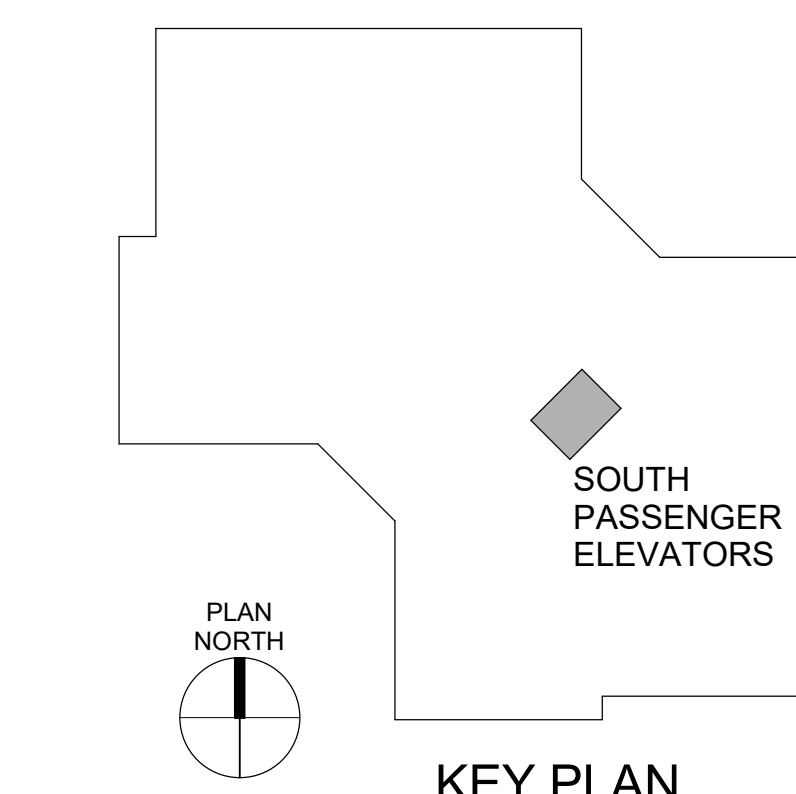
CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
**SOUTH PASSENGER
ELEVATORS 5, 6, 7, 8
& 14**

SHEET NUMBER:

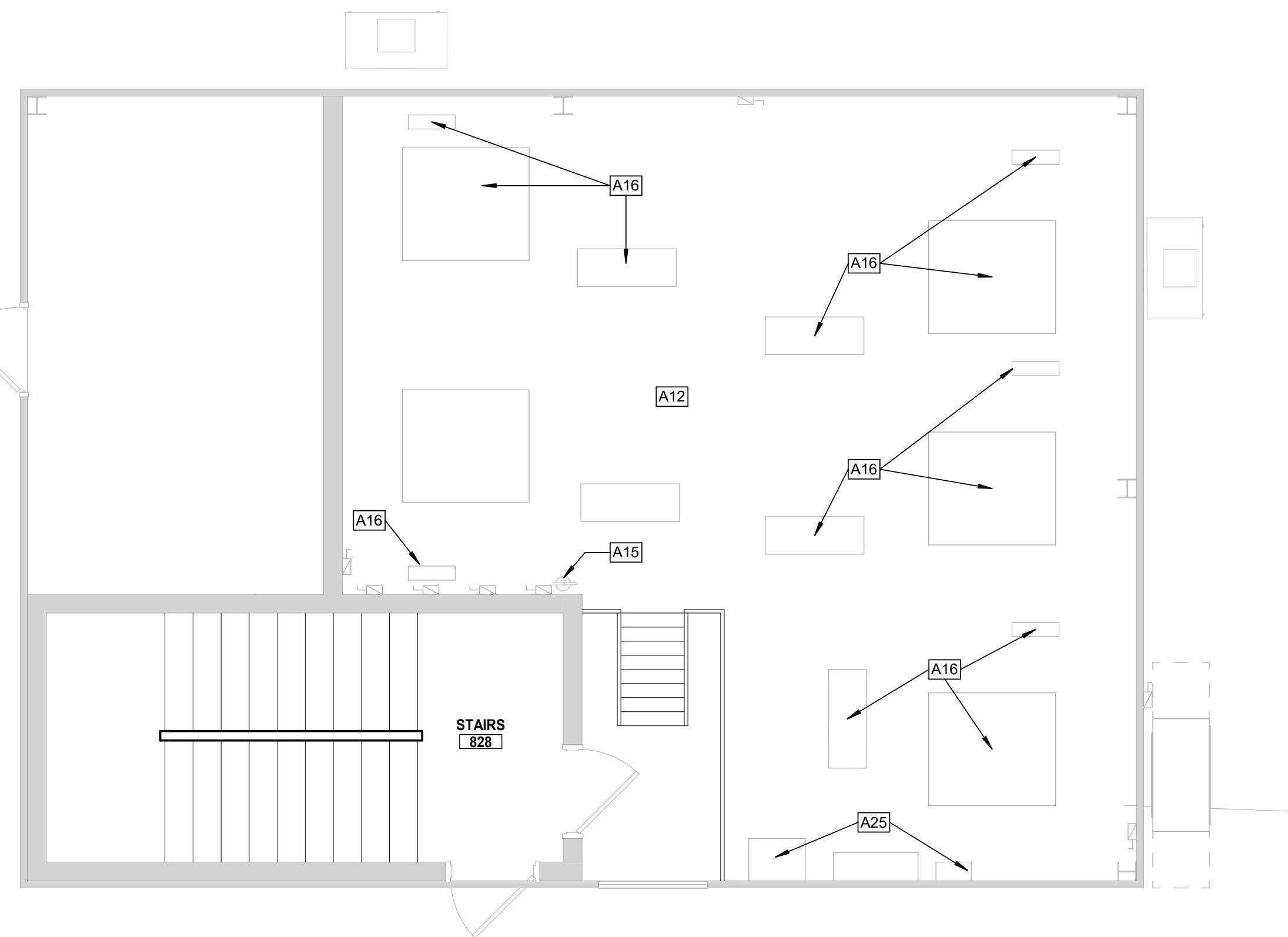
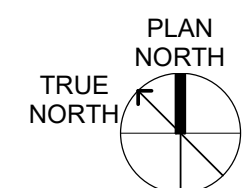
A-106

SHEET NO. 17 OF 56
2024-07-12



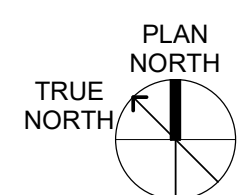
8TH FLOOR PLAN - SOUTH PASSENGER ELEVATORS

1/4" = 1'-0"



PENTHOUSE PLAN - SOUTH PASSENGER ELEVATORS

1/4" = 1'-0"





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OFFICE OF
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Replace 13 Elevators and 6
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Truman State Office Building
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PROJECT # O2354-01
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REVISION: _____
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DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: KK
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
ELEVATORS 9 & 10

SHEET NUMBER:

A-107

SHEET NO. 18 OF 56
2024-07-12

GENERAL NOTES - FLOOR PLANS

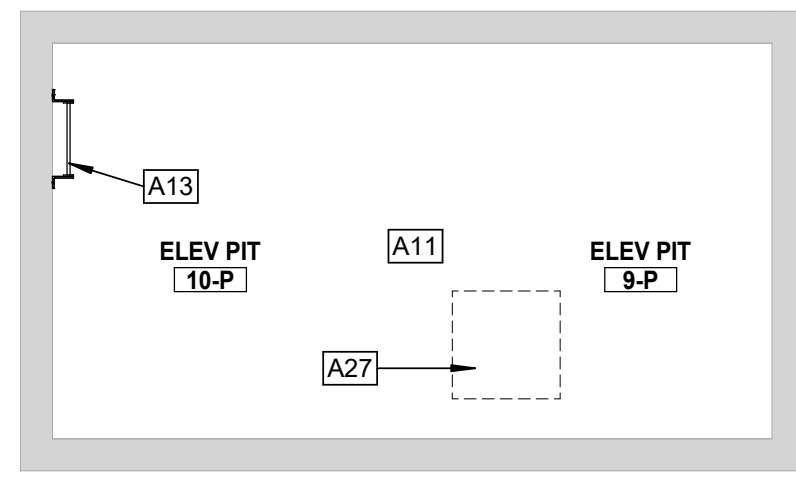
- A. REMOVE AND REPLACE CEILINGS AS REQUIRED FOR WORK ABOVE CEILINGS BY OTHER TRADES. PATCH AND REPAIR OR REPLACE CEILINGS TO MATCH EXISTING CONDITION.
- B. ALL HORIZONTAL/VERTICAL PENETRATIONS THROUGH RATED WALL, FLOOR, ROOF, AND CEILING ASSEMBLIES WILL BE FIRESTOPPED PER I.B.C. SECTION 712. ALL FIRESTOPPING MATERIAL WILL BE APPROVED BY FIRE MARSHALL.
- C. ELEVATOR CONTRACTOR TO COORDINATE WITH FACILITY TO PROVIDE 400 SF LAYDOWN SPACE FOR EACH ELEVATOR & ESCALATOR GROUPING / LOCATION. SPACE FOR DUMPSTER WILL BE PROVIDED IN ONE BAY OF THE LOADING DOCK AREA. THE ELEVATOR CONTRACTOR WILL BE ABLE TO UTILIZE PARKING LOT 13 NEAR THE BUILDING FOR CONTRACTOR-SUPPLIED CONEX STORAGE BOXES.

Key Note Legend

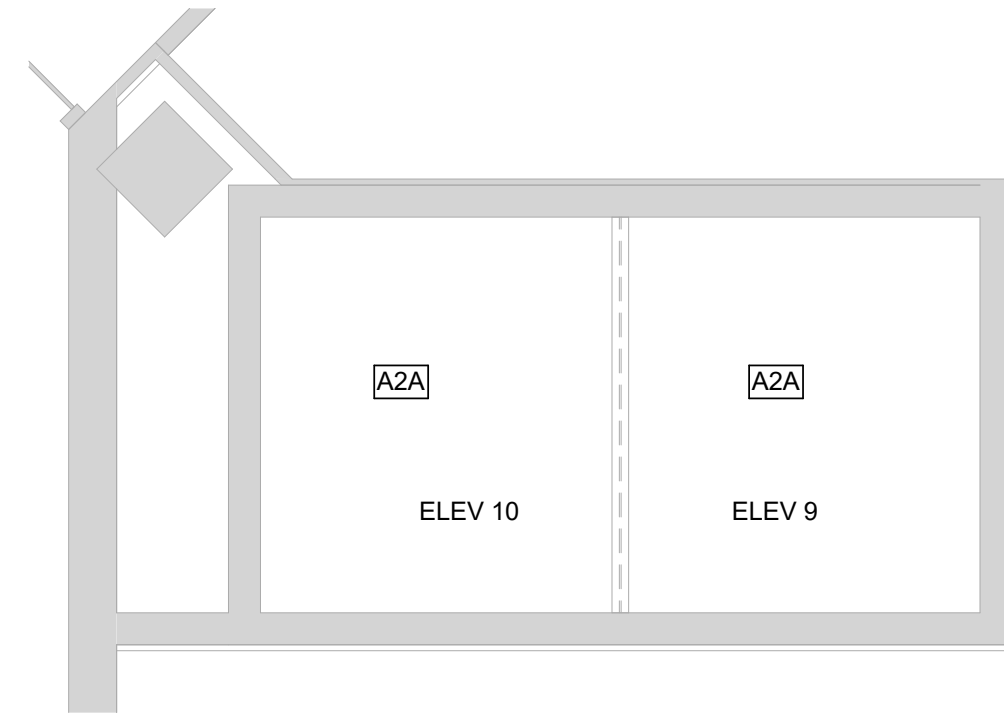
Key Value	Keynote Text
A1	NEW HYDRAULIC ELEVATOR EQUIPMENT, INCLUDING JACKS, TO BE PROVIDED AND INSTALLED BY ELEVATOR CONTRACTOR.
A2A	PROVIDE NEW ELEVATOR CAB STRUCTURE, INCLUDING INTERIOR FINISHES: FLOORING, SS WALLS & DOOR PANEL, AND CEILING / LIGHTING. SEE ROOM FINISH SCHEDULE SHEET A406. TOP OF NEW CAB TO BE PAINTED GRAY.
A4	NEW STAINLESS STEEL ELEVATOR HOISTWAY ENTRANCE DOOR PANELS TO BE INSTALLED. EXISTING BRONZE ELEVATOR DOOR HEAD, JAMBS, AND TRANSOMS TO BE RECLAD IN STAINLESS STEEL. REFER TO SPECIFICATIONS.
A6	ELEVATOR HALL BUTTON / FACEPLATE TO BE REPLACED BY ELEVATOR CONTRACTOR. PATCH AND REFINISH EXISTING WOOD PANELS TO MATCH EXISTING. PROVIDE GROUTING AND FIRESTOPPING AT SHAFT OPENING TO MAINTAIN 2-HOUR FIRE RATINGS.
A8	NEW HALL LANTERN IN EXISTING OPENING IN TRANSOM PANEL ABOVE ELEVATOR.
A11	EXISTING CONCRETE ELEVATOR PIT FLOOR TO BE CLEANED AND PAINTED GRAY.
A12	EXISTING CONCRETE ELEVATOR EQUIPMENT ROOM FLOOR TO BE CLEANED AND PAINTED GRAY.
A13	REINSTALL EXISTING SALVAGED ELEVATOR PIT ACCESS LADDER. REPAINT EXISTING LADDER.
A15	NEW 10LB ABC FIRE EXTINGUISHER WITH MOUNTING BRACKET
A26	REMOVE AND REPLACE EXISTING LAY-IN ACOUSTICAL CEILING TILES AND GRID AS REQUIRED FOR WORK ABOVE CEILING BY OTHER TRADES. COORDINATE FINAL EXTENT OF WORK WITH MEPP DRAWINGS.
A27	EXISTING SUMP PIT WALLS TO REMAIN AND PROVIDE NEW BASE AT MINIMUM 18" DEPTH. SEE DETAIL 3/A103 SIMILAR. COORDINATE WITH PLUMBING DRAWINGS FOR NEW SUMP PUMP AND PIPING.
A30	REFER TO PLUMBING DRAWINGS FOR EXTENT OF NEW SUMP DRAIN TIE-IN. PROVIDE GYPSUM BOARD AND METAL STUD WALL FURRING AROUND NEW VERTICAL WALL PIPE. FINISH AND PAINT WALL TO MATCH EXISTING ADJACENT WALLS. PROVIDE NEW VINYL WALL BASE TO MATCH EXISTING. REMOVE AND REPLACE RAISED FLOOR TRENCHING AND CONCRETE REPLACEMENT. PATCH FLOOR TILES TO MATCH EXISTING FINISHES.

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

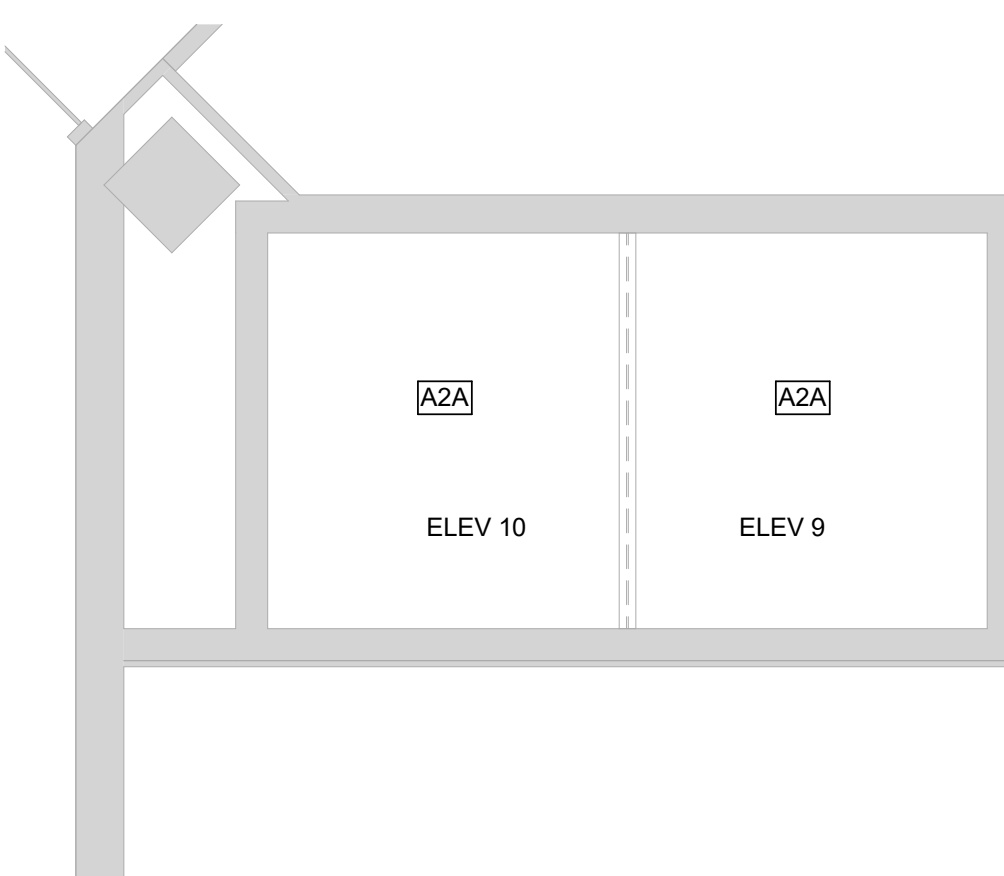
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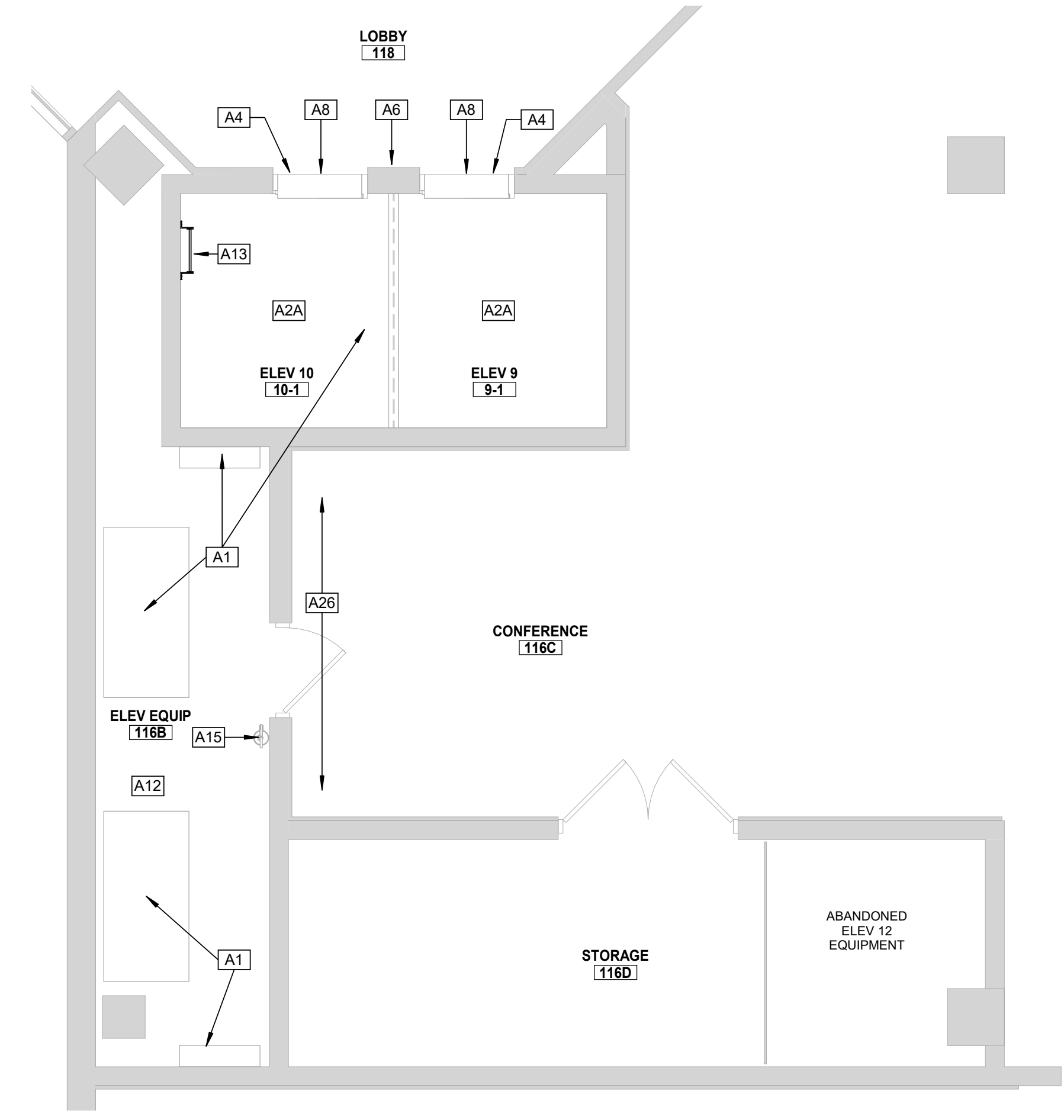
PLAN NORTH
1 ELEVATOR PIT PLAN -ELEVATORS 9 & 10
1/4" = 1'-0"



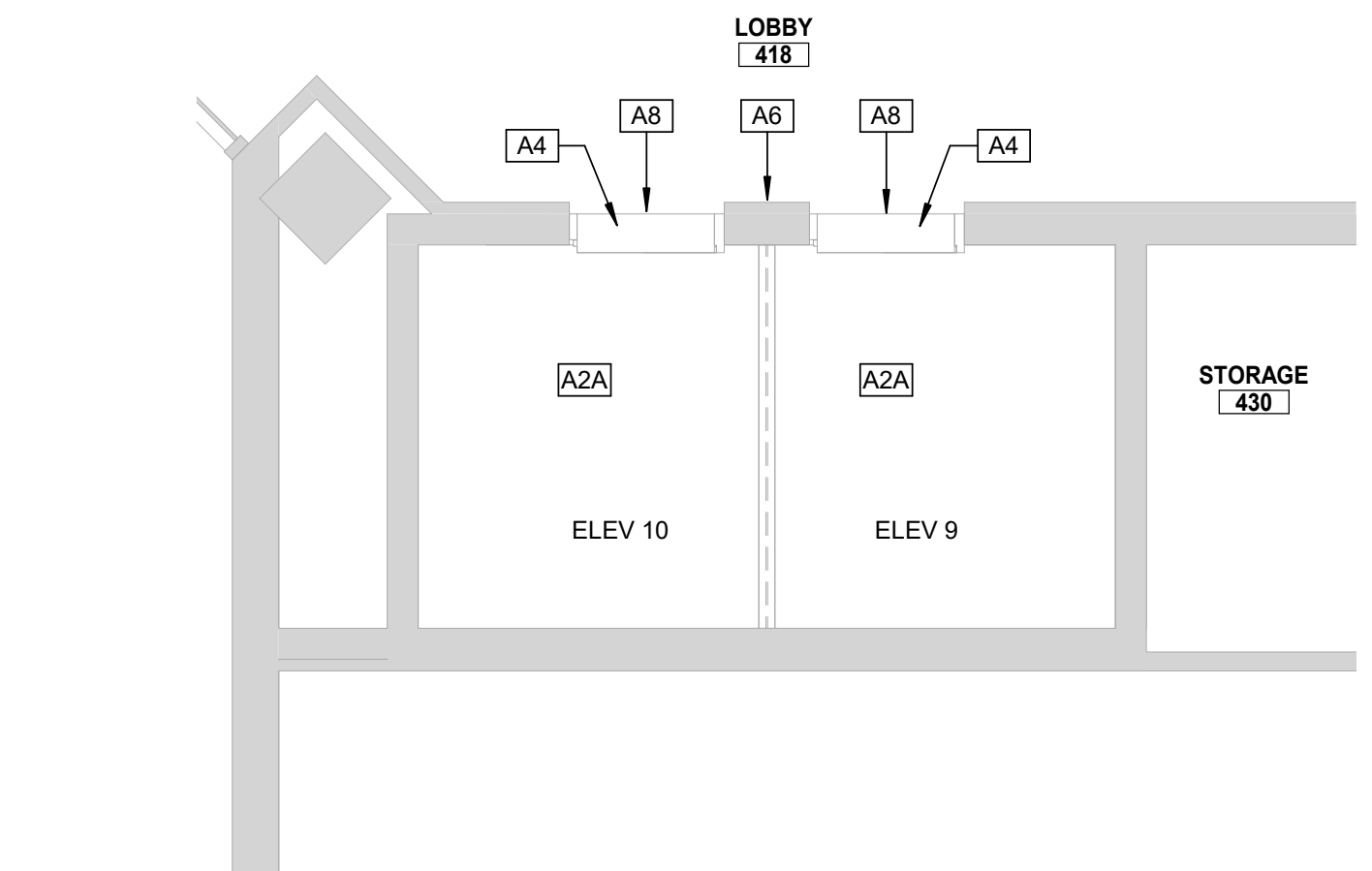
PLAN NORTH
3 2ND FLOOR PLAN - ELEVATORS 9 & 10
1/4" = 1'-0"



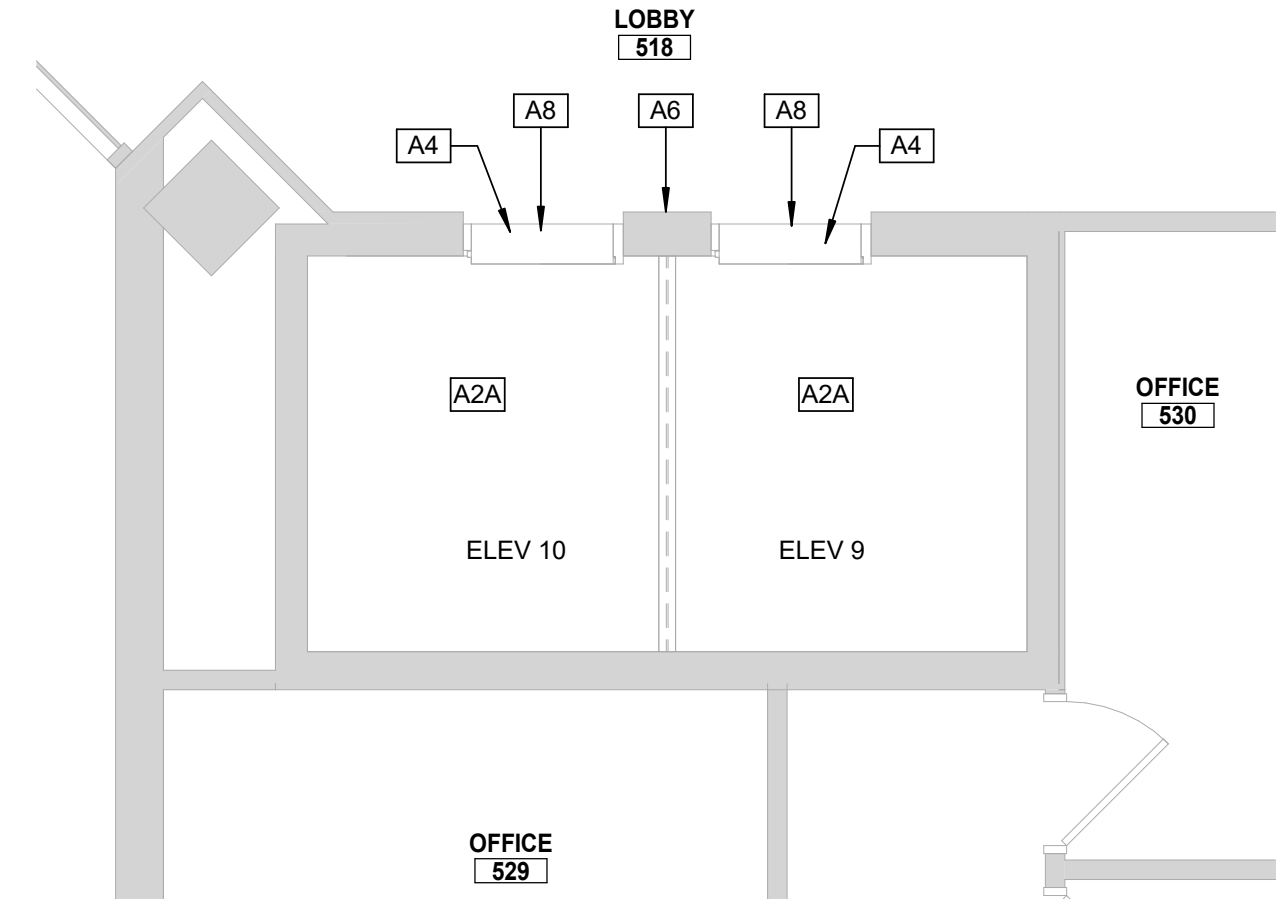
PLAN NORTH
4 3RD FLOOR PLAN - ELEVATORS 9 & 10
1/4" = 1'-0"



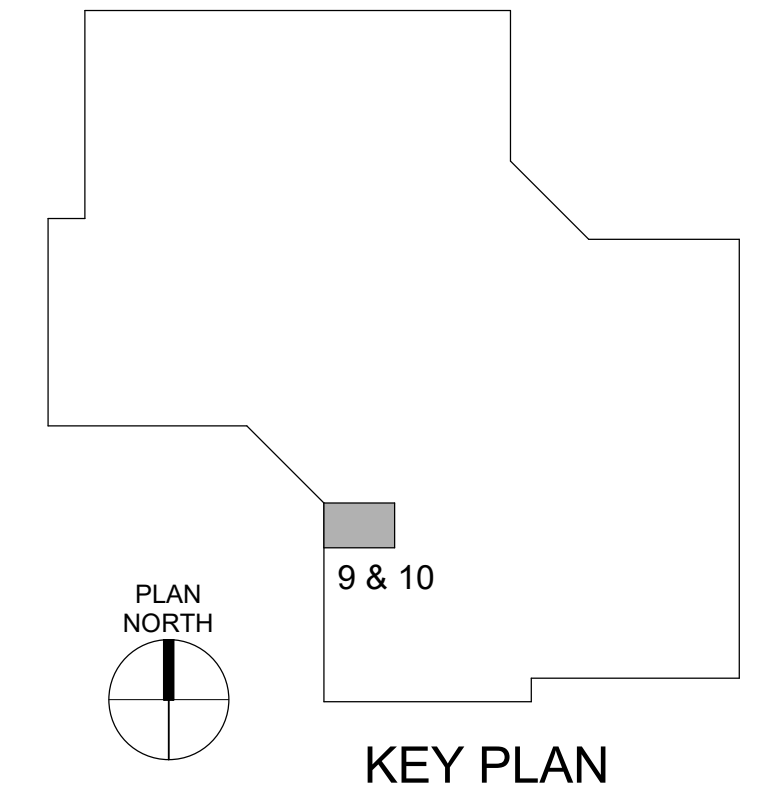
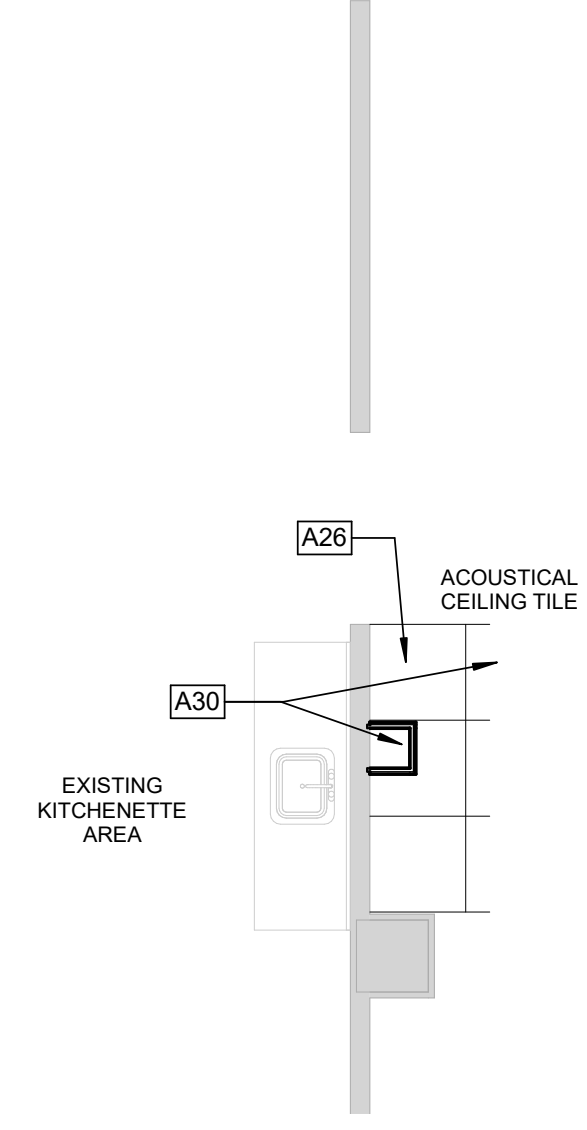
PLAN NORTH
2 1ST FLOOR PLAN - ELEVATORS 9 & 10
1/4" = 1'-0"



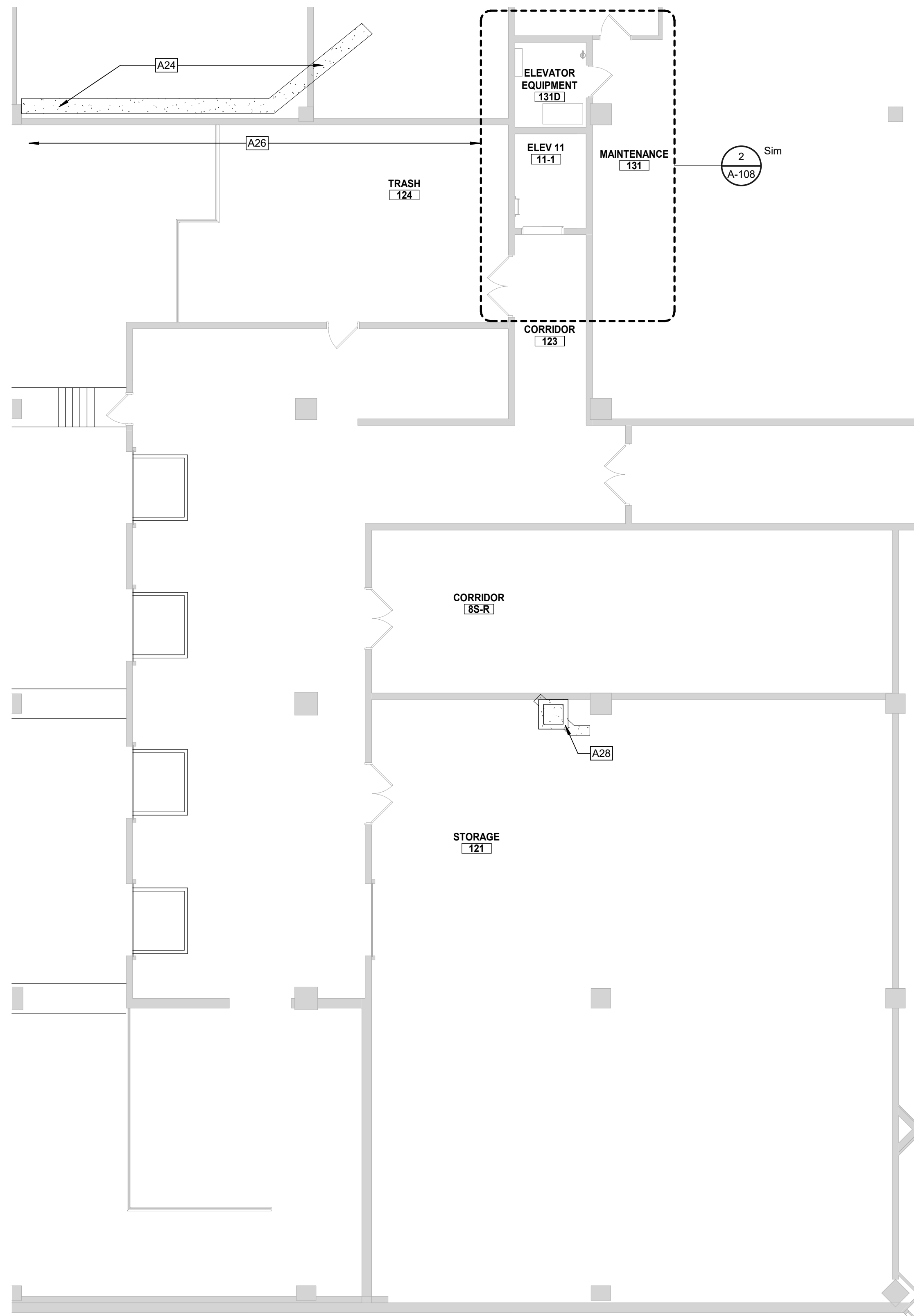
PLAN NORTH
5 4TH FLOOR PLAN - ELEVATORS 9 & 10
1/4" = 1'-0"



PLAN NORTH
6 5TH FLOOR PLAN - ELEVATORS 9 & 10
1/4" = 1'-0"

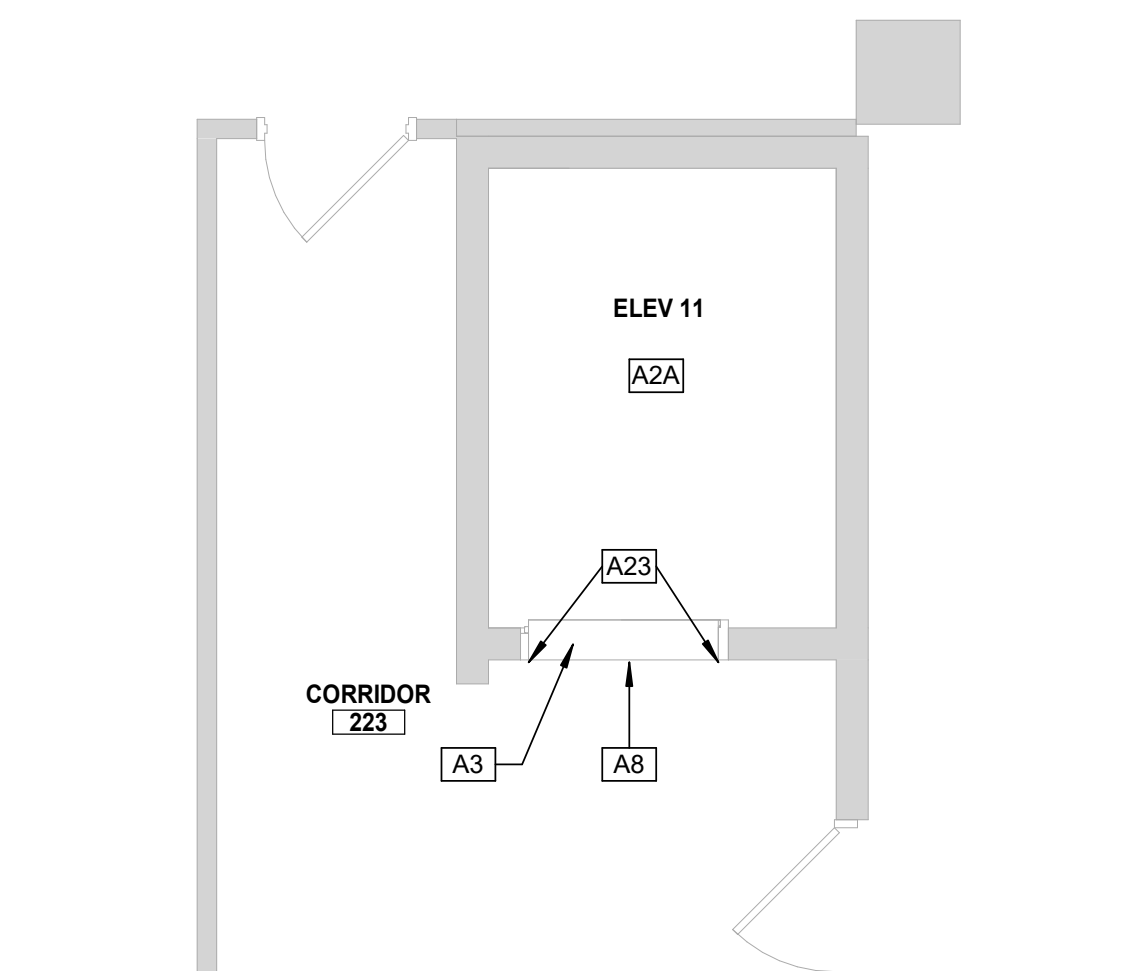


PLAN NORTH
9 & 10
KEY PLAN



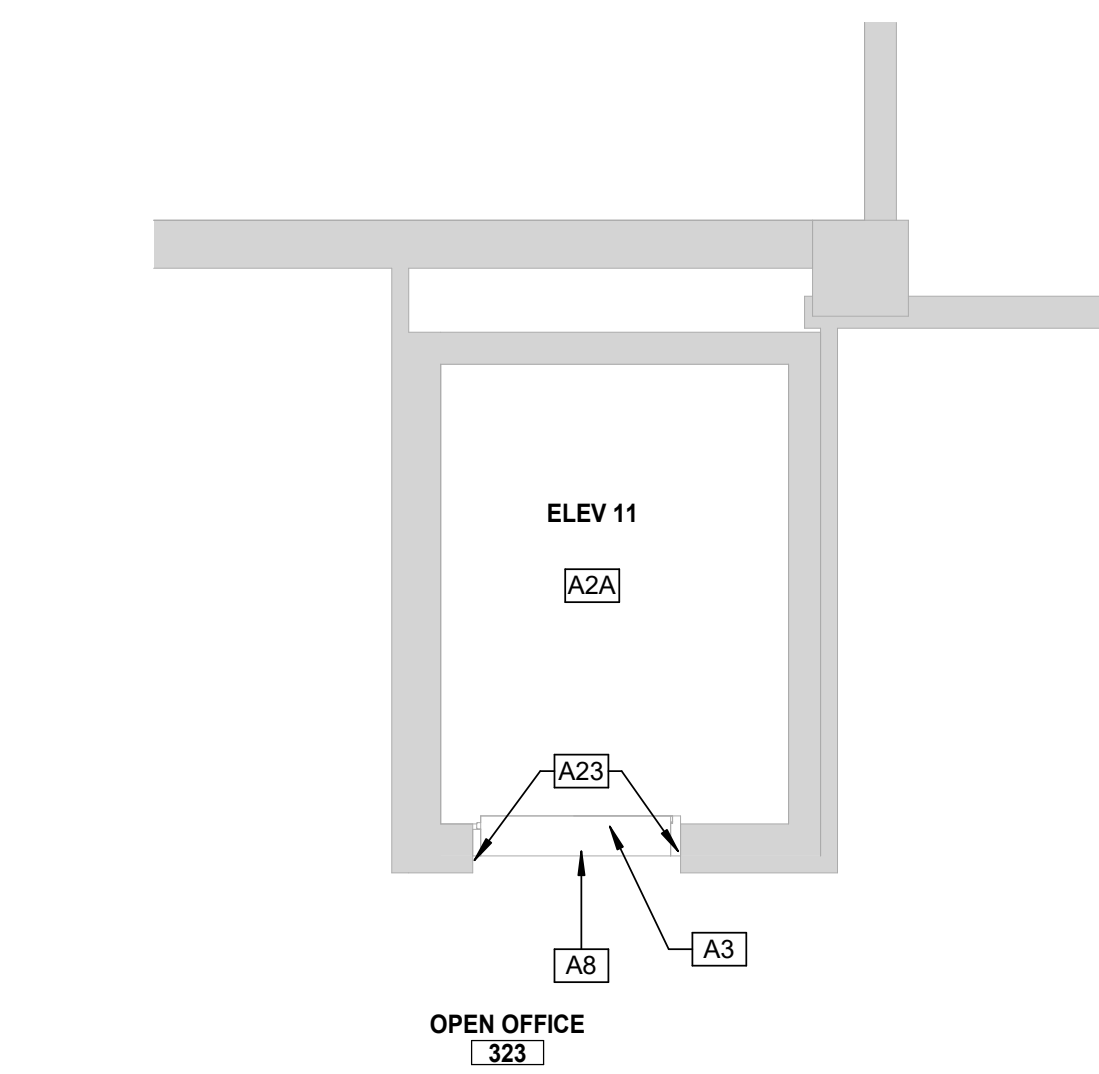
PLAN NORTH
6 1ST FLOOR DOCK
 1/8" = 1'-0"

PLAN NORTH
1 ELEVATOR PIT PLAN - ELEVATOR 11
 1/4" = 1'-0"

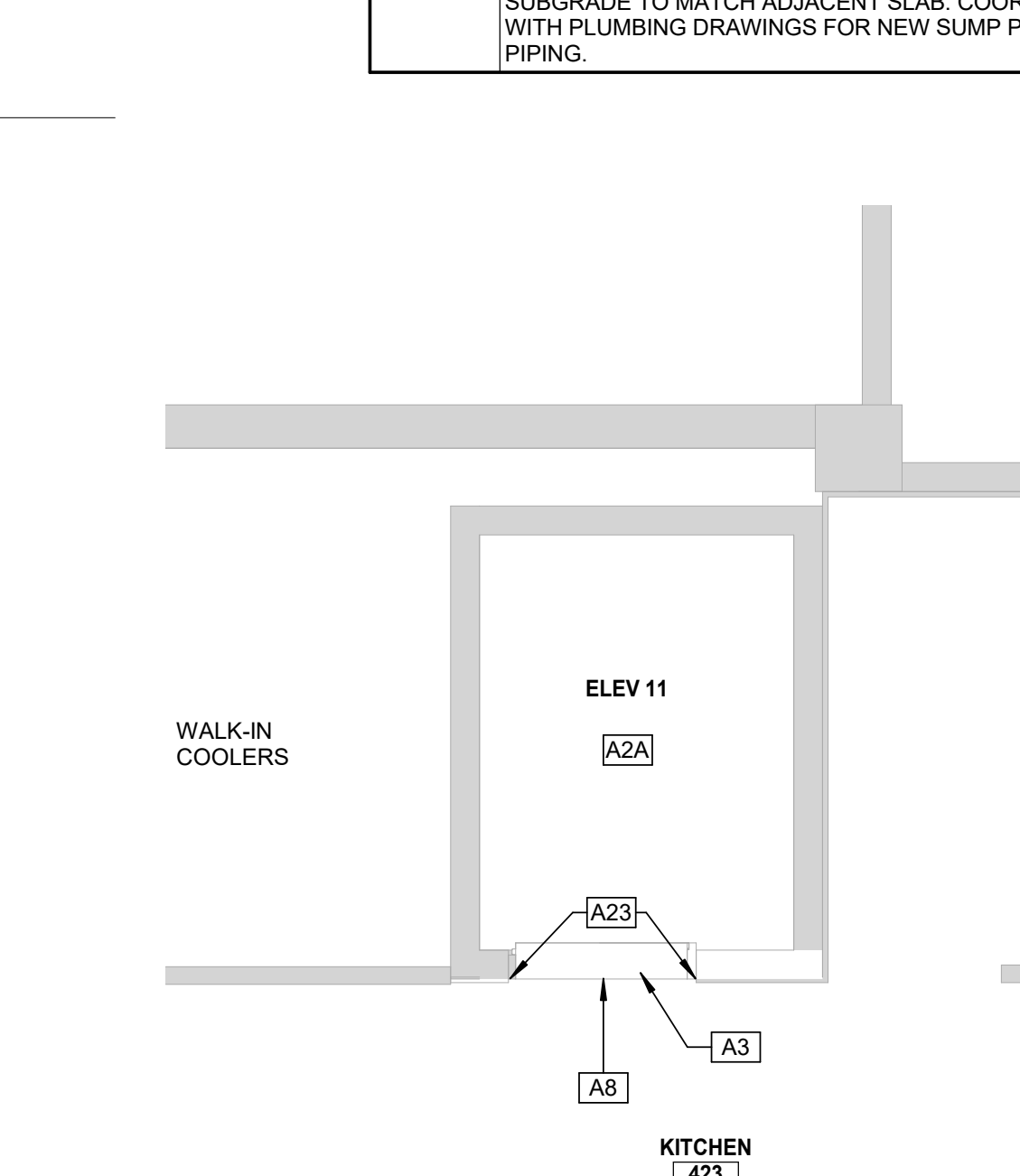


PLAN NORTH
3 2ND FLOOR PLAN - ELEVATOR 11
 1/4" = 1'-0"

PLAN NORTH
2 1ST FLOOR PLAN - ELEVATOR 11
 1/4" = 1'-0"



PLAN NORTH
4 3RD FLOOR PLAN - ELEVATOR 11
 1/4" = 1'-0"



PLAN NORTH
5 4TH FLOOR PLAN - ELEVATOR 11
 1/4" = 1'-0"

CONSTRUCTION SEQUENCE AND SCHEDULING - ELEVATORS

PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE PASSENGER ELEVATOR NOS. 1 - 4, 13 AND 5 - 8, 14 IN THE BUILDING, TWO (2) ELEVATORS AT A TIME.

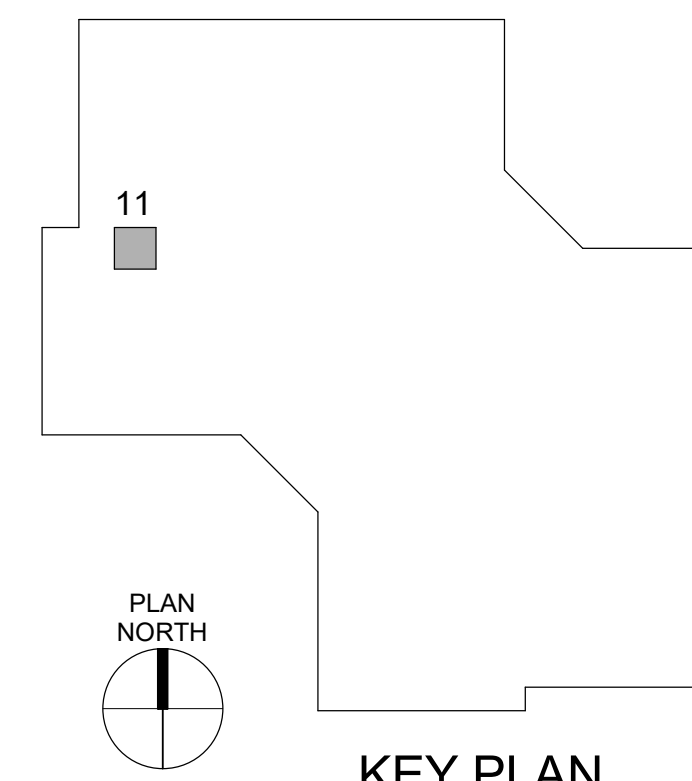
1. NORMAL WORKING HOURS FOR THE CONTRACTOR IN THIS SECTION SHALL BE BETWEEN 6:30AM AND 5:00PM ON WEEKDAYS. OFF-HOUR WORK IS ALLOWED FOR CALL BUTTON UPGRADES AND FIRE ALARM PRETESTING. ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ELEVATOR PER GROUP TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
2. PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ELEVATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.

GENERAL NOTES - FLOOR PLANS

- REMOVE AND REPLACE CEILINGS AS REQUIRED FOR WORK ABOVE CEILINGS BY OTHER TRADES. PATCH AND REPAIR OR REPLACE CEILINGS TO MATCH EXISTING CONDITION.
- ALL HORIZONTAL/VERTICAL PENETRATIONS THROUGH RATED WALL, FLOOR, ROOF, AND CEILING ASSEMBLIES WILL BE FIRESTOPPED PER I.B.C. SECTION 712. ALL FIRESTOPPING MATERIAL WILL BE APPROVED BY FIRE MARSHALL.
- ELEVATOR CONTRACTOR TO COORDINATE WITH FACILITY TO PROVIDE 400 SF LAYDOWN SPACE FOR EACH ELEVATOR & ESCALATOR GROUPING / LOCATION. SPACE FOR DUMPSTER WILL BE PROVIDED IN ONE BAY OF THE LOADING DOCK AREA. THE ELEVATOR CONTRACTOR WILL BE ABLE TO UTILIZE PARKING LOT 13 NEAR THE BUILDING FOR CONTRACTOR-SUPPLIED CONEX STORAGE BOXES.

Key Note Legend

Key Value	Keynote Text
A1	NEW HYDRAULIC ELEVATOR EQUIPMENT, INCLUDING JACKS, TO BE PROVIDED AND INSTALLED BY ELEVATOR CONTRACTOR.
A2A	PROVIDE NEW ELEVATOR CAB STRUCTURE, INCLUDING INTERIOR FINISHES: FLOORING, SS WALLS & DOOR PANEL, AND CEILING / LIGHTING. SEE ROOM FINISH SCHEDULE SHEET A406. TOP OF NEW CAB TO BE PAINTED GRAY.
A3	EXISTING METAL ELEVATOR HOISTWAY DOOR PANELS, HEAD, JAMBS AND TRANSOM TO BE PREPPED AND REPAINTED.
A8	NEW HALL LANTERN IN EXISTING OPENING IN TRANSOM PANEL ABOVE ELEVATOR.
A11	EXISTING CONCRETE ELEVATOR PIT FLOOR TO BE CLEANED AND PAINTED GRAY.
A12	EXISTING CONCRETE ELEVATOR EQUIPMENT ROOM FLOOR TO BE CLEANED AND PAINTED GRAY.
A15	NEW 10LB ABC FIRE EXTINGUISHER WITH MOUNTING BRACKET.
A19	EXISTING PIT ACCESS LADDER TO REMAIN AND BE REPAINTED.
A23	ELEVATOR WALL GUARD AT EDGES OF ELEVATOR FRAME. SEE FINISH SCHEDULE COMMENTS.
A24	PATCH EXISTING CONCRETE SLAB-ON-GRADE AND SUBGRADE TO MATCH ADJACENT SLAB. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
A26	REMOVE AND REPLACE EXISTING LAY-IN ACOUSTICAL CEILING TILES AND GRID AS REQUIRED FOR WORK ABOVE CEILING BY OTHER TRADES. COORDINATE FINAL EXTENT OF WORK WITH MEPP DRAWINGS.
A27	EXISTING SUMP PIT WALLS TO REMAIN AND PROVIDE NEW BASE AT MINIMUM 18" DEPTH. SEE DETAIL 3/A103 SIMILAR. COORDINATE WITH PLUMBING DRAWINGS FOR NEW SUMP PUMP AND PIPING.
A28	NEW CONCRETE SUMP DRAIN BASIN. SEE DETAIL 4/A103. PATCH EXISTING CONCRETE SLAB-ON-GRADE AND SUBGRADE TO MATCH ADJACENT SLAB. COORDINATE WITH PLUMBING DRAWINGS FOR NEW SUMP PUMP AND PIPING.



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 CONSULTANT



600 Emerson Dr., Suite 225
 Creve Coeur, MO 63141
 (636) 861-2722

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 MANAGEMENT,
 DESIGN AND
 CONSTRUCTION

Replace 13 Elevators and 6
 Escalators

Truman State Office Building
 Jefferson City, MO 65102

PROJECT # O2354-01
 SITE # 1001
 FACILITY # 3101001050

REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____

ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
 DRAWN BY: KK
 CHECKED BY: BAP
 DESIGNED BY: MAH

SHEET TITLE:
ELEVATOR 11

SHEET NUMBER:

A-108

SHEET NO. 19 OF 56
 2024-07-12



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CAD DWG FILE: _____
DRAWN BY: MAH
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:
ESCALATOR PLANS

SHEET NUMBER:

A-109

SHEET NO. 20 OF 56
2024-07-12

GENERAL NOTES - FLOOR PLANS

- A. REMOVE AND REPLACE CEILINGS AS REQUIRED FOR WORK ABOVE CEILINGS BY OTHER TRADES. PATCH AND REPAIR OR REPLACE CEILINGS TO MATCH EXISTING CONDITION.
- B. ALL HORIZONTAL/VERTICAL PENETRATIONS THROUGH RATED WALL, FLOOR, ROOF, AND CEILING ASSEMBLIES WILL BE FIRESTOPPED PER I.B.C. SECTION 712. ALL FIRESTOPPING MATERIAL WILL BE APPROVED BY FIRE MARSHALL.
- C. ELEVATOR CONTRACTOR TO COORDINATE WITH FACILITY TO PROVIDE 400 SF LAYDOWN SPACE FOR EACH ELEVATOR & ESCALATOR GROUPING / LOCATION. SPACE FOR DUMPSTER WILL BE PROVIDED IN ONE BAY OF THE LOADING DOCK AREA. THE ELEVATOR CONTRACTOR WILL BE ABLE TO UTILIZE PARKING LOT 13 NEAR THE BUILDING FOR CONTRACTOR-SUPPLIED CONEX STORAGE BOXES.

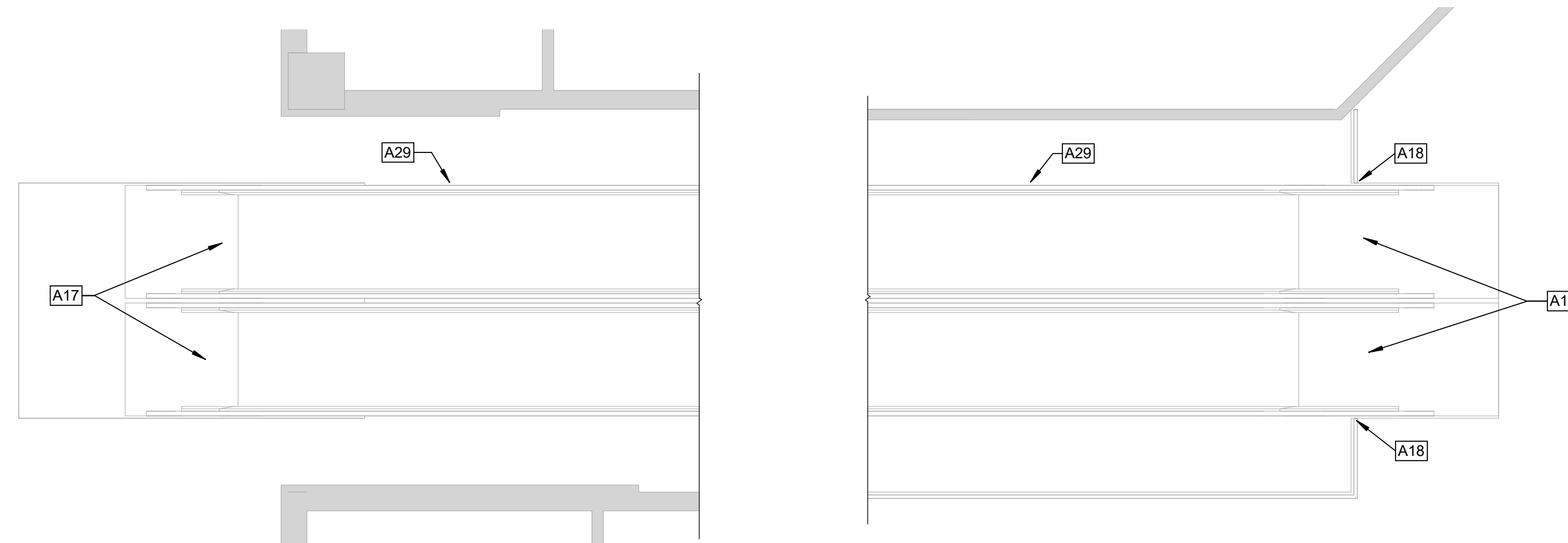
SHEET KEYNOTES

- A17 FULL ESCALATOR RENOVATION BY ESCALATOR CONTRACTOR TO INCLUDE NEW ESCALATOR ASSEMBLY AND STAINLESS STEEL TRIM AND COVERS. PROTECT EXISTING GRANITE TILE FLOORING AT LANDINGS FROM DAMAGE DURING CONSTRUCTION.
- A18 ESCALATOR CONTRACTOR TO INSTALL STAINLESS STEEL ESCALATOR RAIL BASE COVER AROUND EXISTING BRASS & GLASS GUARDRAILING TO REMAIN. PROTECT EXISTING GUARDRAIL FROM DAMAGE DURING CONSTRUCTION AND ESCALATOR INSTALLATION.
- A29 EXISTING ESCALATOR FRAME TO BE PAINTED, PT-1.

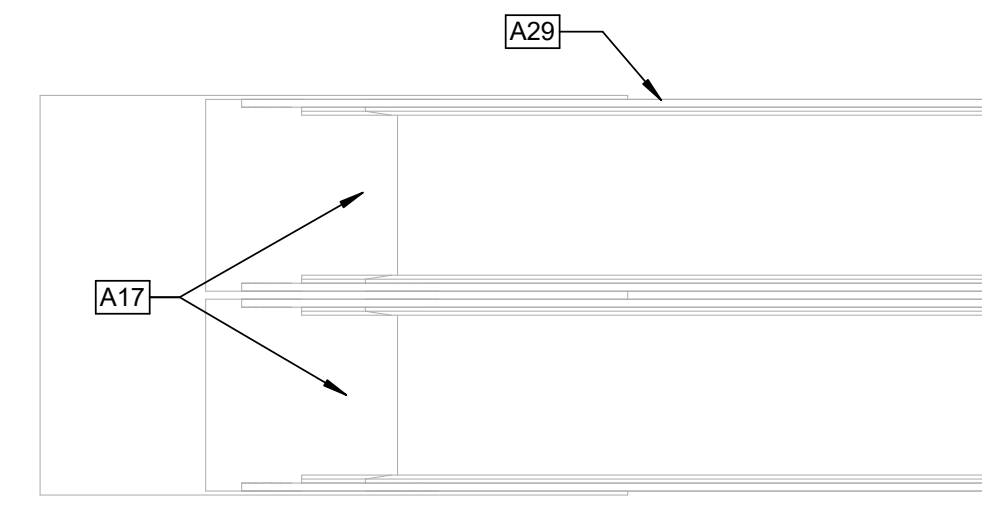
CONSTRUCTION SEQUENCE AND SCHEDULING - ESCALATORS

PER THE CONSTRUCTION SCHEDULE OUTLINED BELOW, THE CONTRACTOR SHALL PERFORM THE RENOVATIONS ON THE ESCALATORS ONE (1) AT A TIME. RENOVATED ESCALATORS SHALL BE PROVIDED WITH A TWO (2) DAY BREAK IN PERIOD PRIOR TO REMOVING THE NEXT ESCALATOR FROM SERVICE.

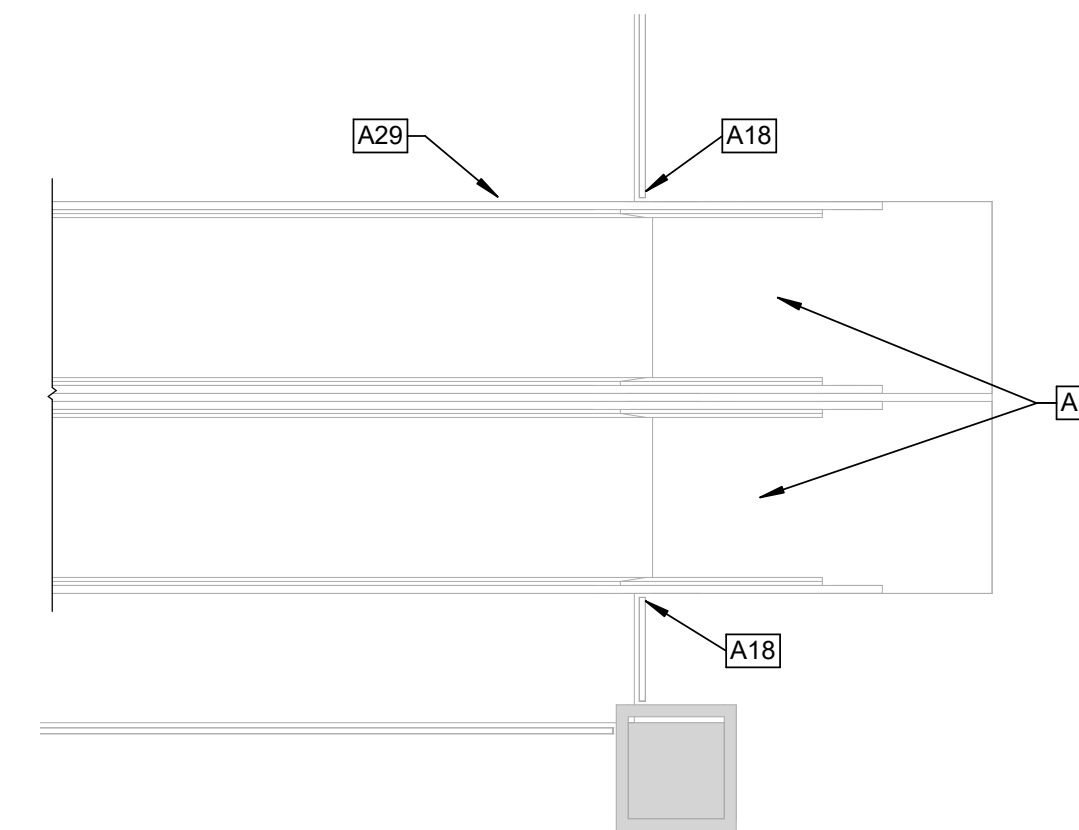
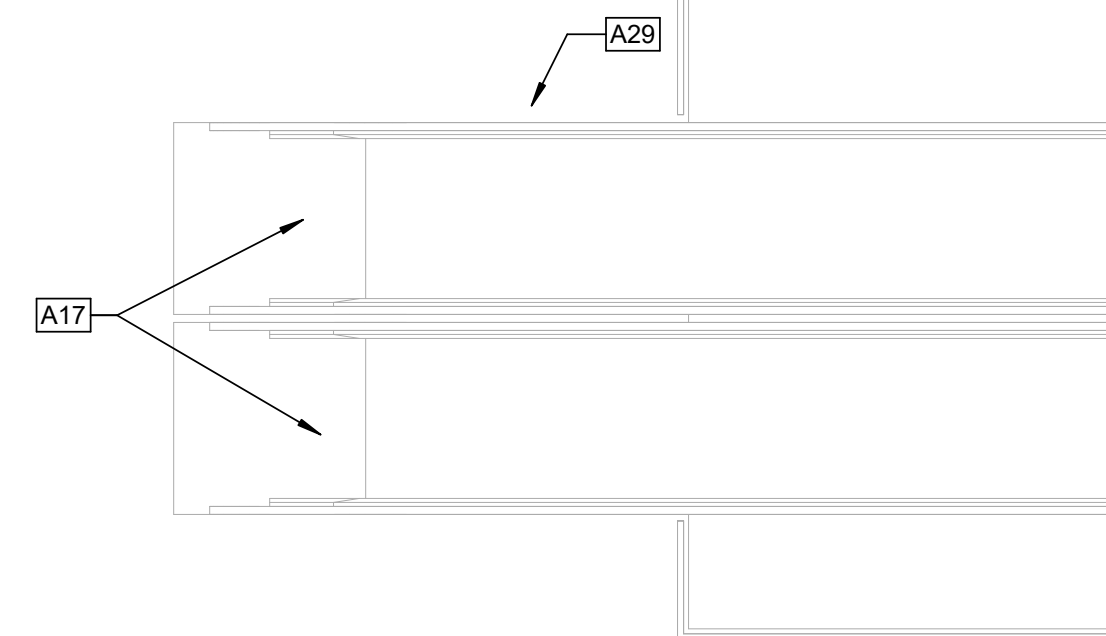
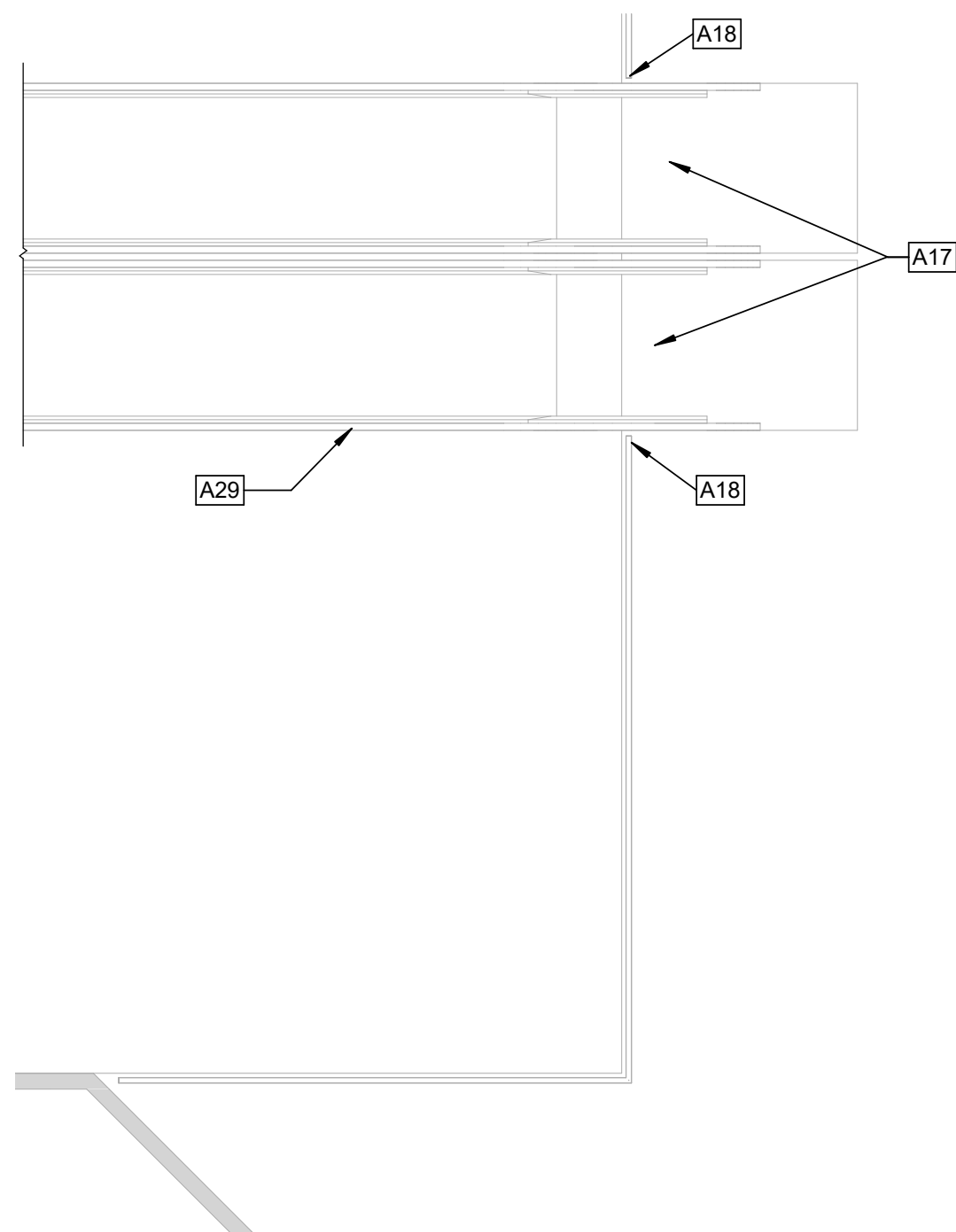
1. ALL TASKS TO BE PERFORMED THAT WILL REQUIRE MORE THAN ONE (1) ESCALATOR TO BE TAKEN FROM SERVICE AT A TIME SHALL BE SCHEDULED WITH THE OWNER AND PERFORMED OUTSIDE OF THE OWNER'S NORMAL WORKING HOURS.
2. PRIOR TO COMMENCEMENT OF THE WORK SPECIFIED HEREIN, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A TASK-SPECIFIC SCHEDULE FOR THE ESCALATOR RENOVATIONS. THIS SCHEDULE SHALL IDENTIFY CRITICAL DATES AND DATES FOR WHICH OWNER-PROVIDED WORK IS TO BE PERFORMED AND COMPLETED SO AS TO PROVIDE FOR UNINTERRUPTED PROGRESS OF THE WORK.



PLAN NORTH
TRUE NORTH
1 **1ST FLOOR ESCALATOR PLAN**
1/4" = 1'-0"

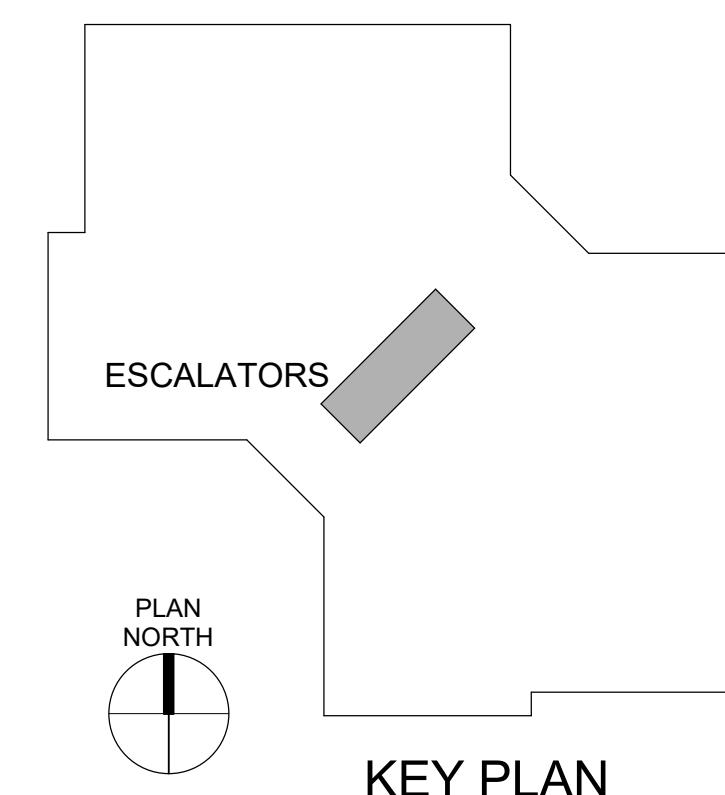


PLAN NORTH
TRUE NORTH
2 **2ND FLOOR ESCALATOR PLANS**
1/4" = 1'-0"



PLAN NORTH
TRUE NORTH
3 **3RD FLOOR ESCALATOR PLANS**
1/4" = 1'-0"

PLAN NORTH
TRUE NORTH
4 **4TH FLOOR ESCALATOR PLANS**
1/4" = 1'-0"





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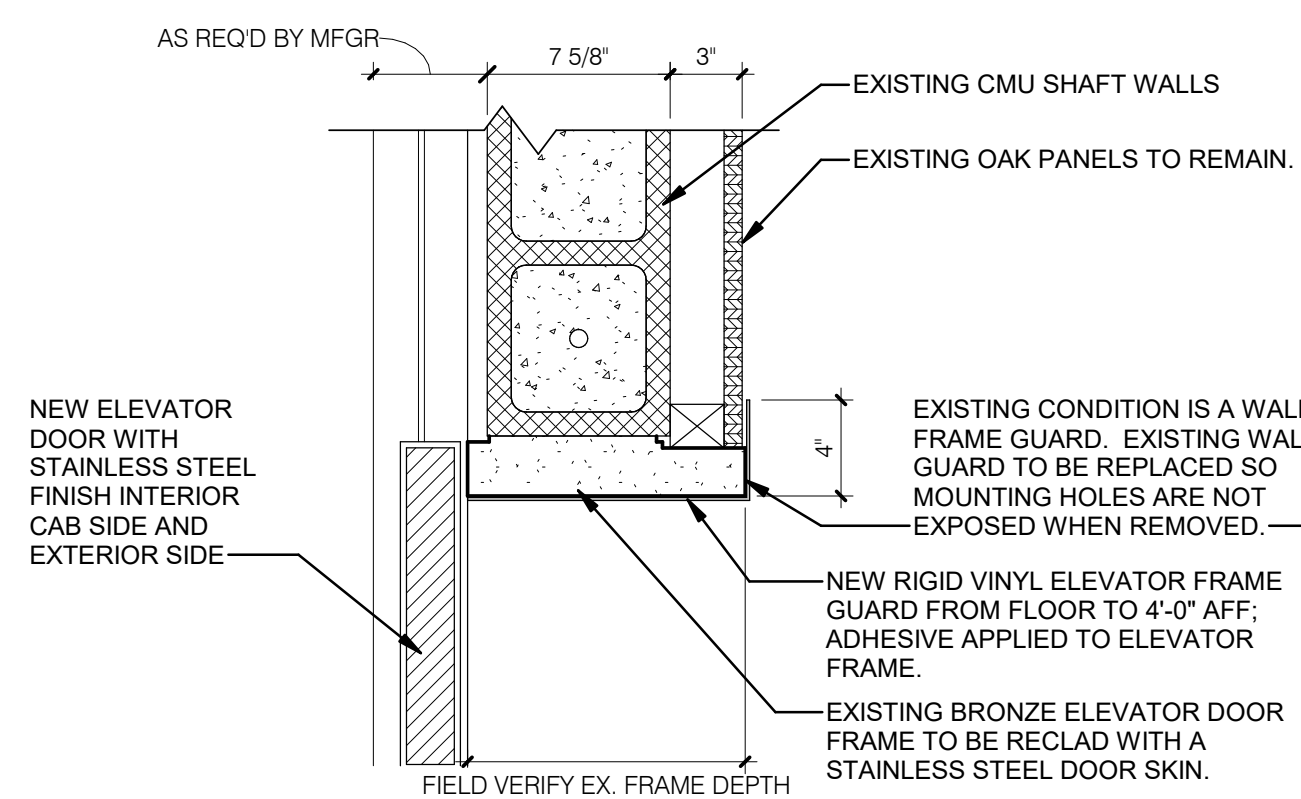
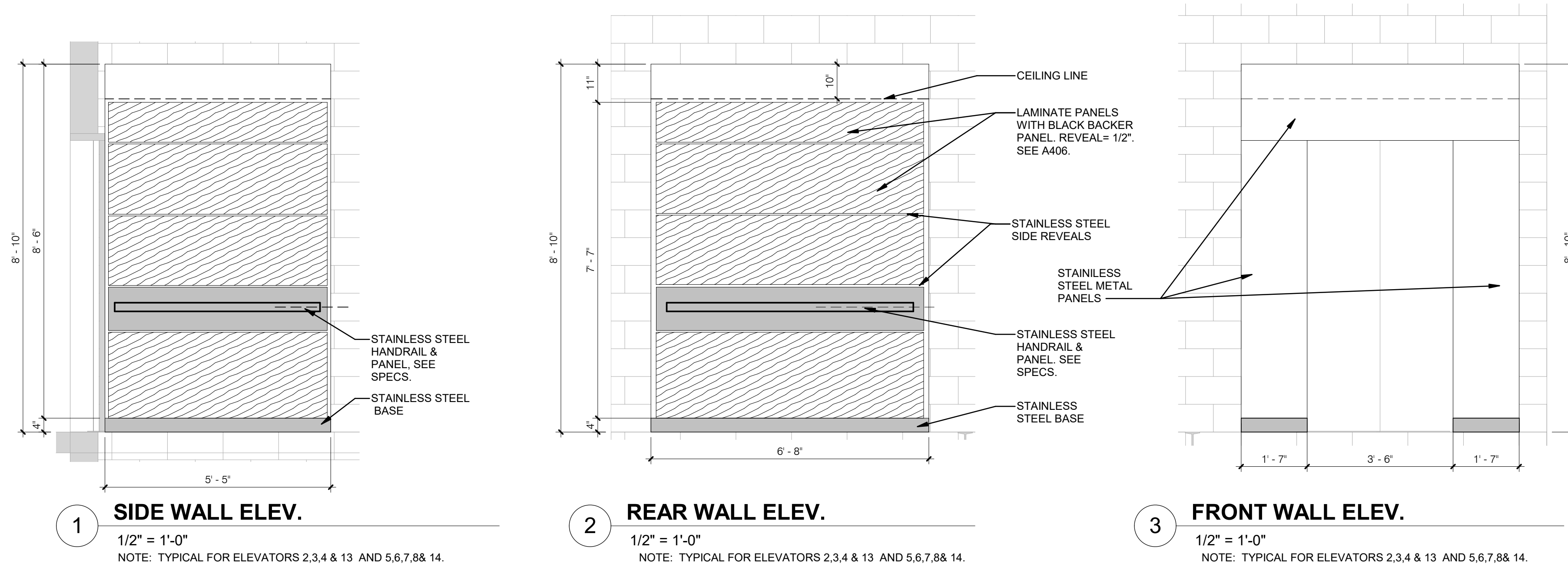
SHEET TITLE:

ELEVATIONS -
INTERIOR

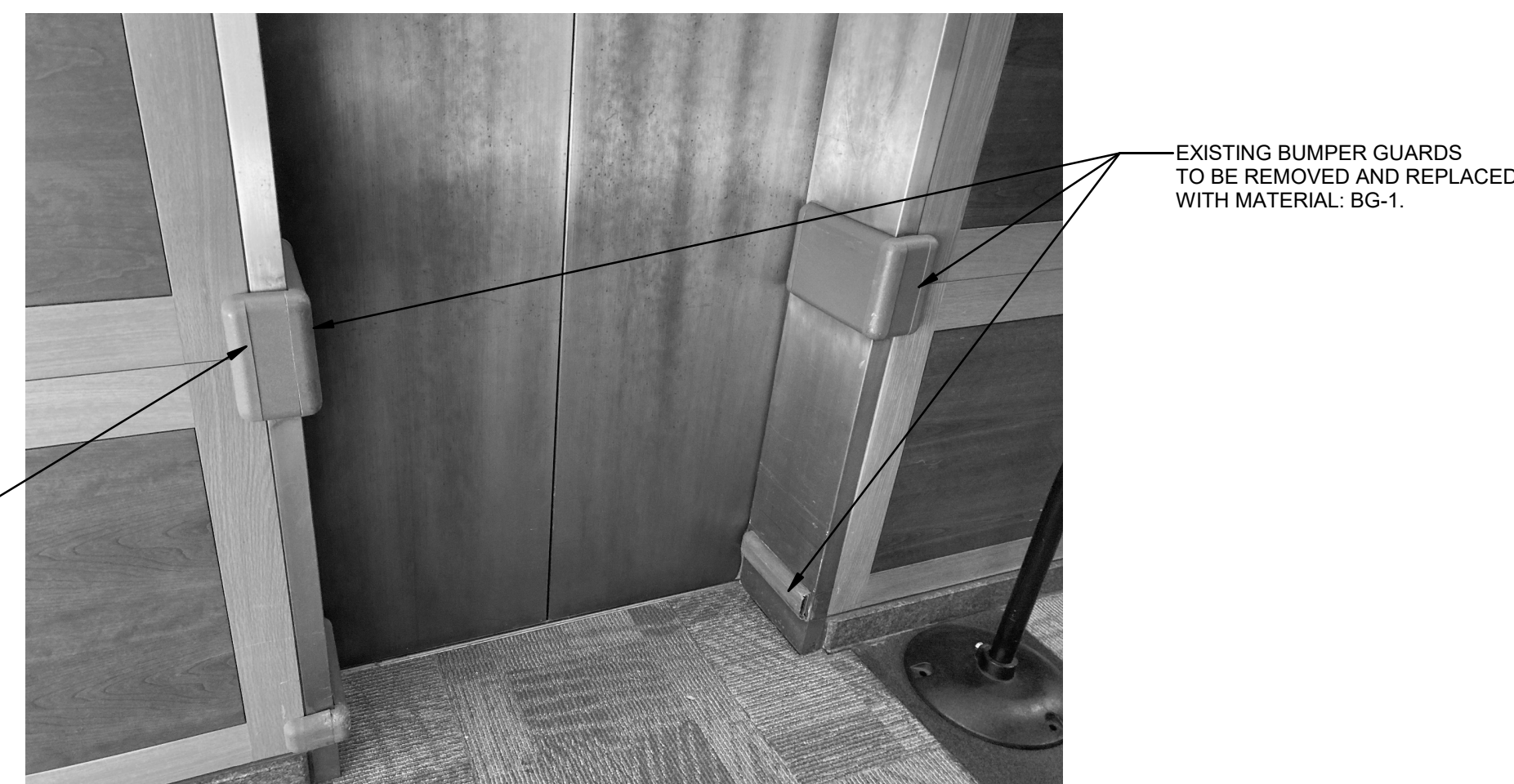
SHEET NUMBER:

A-402

SHEET NO. 21 OF 56
2024-07-12



4 ELEVATOR 1 DOOR PROTECTION
1 1/2" = 1'-0"



5 ELEVATOR DOOR PROTECTION
1/2" = 1'-0"

ROOM FINISH SCHEDULE										
NO.	ROOM NAME	FLOOR		WALLS				CEILINGS	COMMENTS	
		FLOOR	BASE	NORTH FINISH	EAST FINISH	SOUTH FINISH	WEST FINISH			
1N-1	ELEV 1	MP-1	-	WP-3	WP-3	WP-3	WP-3	MCP-2	HR-1, BG-1	
1N-P	ELEV PIT									
2N-1	ELEV 2	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
2N-P	ELEV PIT									
3N-1	ELEV 3	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
3N-P	ELEV PIT									
4N-1	ELEV 4	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
4N-P	ELEV PIT									
5S-1	ELEV 5	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
5S-P	ELEV PIT									
6S-1	ELEV 6	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
6S-P	ELEV PIT									
7S-1	ELEV 7	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
7S-P	ELEV PIT									
8S-1	ELEV 8	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
8S-P	ELEV PIT									
8S-R	CORRIDOR									
9-1	ELEV 9	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
9-P	ELEV PIT									
10-1	ELEV 10	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
10-P	ELEV PIT									
11-1	ELEV 11	MP-1	-	WP-3	WP-3	WP-3	WP-3	MCP-2	HR-1, BG-1	
11-P	ELEV PIT									
13N-1	ELEV 13	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
13N-P	ELEV PIT									
14S-1	ELEV 14	CPT-1	-	WP-1	WP-1	WP-1	WP-1	MCP-1	HR-1	
14S-P	ELEV PIT									
101	ELEVATOR LOBBY									
102	CORRIDOR									
107	ELEVATOR LOBBY									
108	CORRIDOR									
115	FAN ROOM									
116A	ELECTRICAL									
116B	ELEV EQUIP									
116C	CONFERENCE									
118	LOBBY									
119	BUILDING SERV									
119A	SECURITY									
119B	CONTROL									
119C	OFFICE									
119D	OFF									
123	CORRIDOR									
124	TRASH									
129	GENERATOR ROOM									
131	MAINTENANCE									
131D	ELEVATOR EQUIPMENT									
132	FIRST AID									
132A	RESTROOM									
133	MAIL ROOM									
133A	MAILSTORAGE									
133B	MAIL SORTING									
133C	MAIL RECEIVING									
136	QUICK PRINT									
201	ELEVATOR LOBBY									
202	CORRIDOR									
203	Room									
204	Room									
207	ELEVATOR LOBBY									
208	CORRIDOR									
209	LOBBY									
217	FAN ROOM									
223	CORRIDOR									
301	ELEVATOR LOBBY									
302	CORRIDOR									
307	ELEVATOR LOBBY									
308	CORRIDOR									
317	FAN ROOM									
323	OPEN OFFICE									
401	ELEVATOR LOBBY									
402	CORRIDOR									
407	ELEVATOR LOBBY									
408	CORRIDOR									
418	LOBBY									
423	KITCHEN									
424	WALK IN COOLERS									
444	FAN ROOM									
501	ELEVATOR LOBBY									
502	CORRIDOR									
507	ELEVATOR LOBBY									
508	CORRIDOR									
518	LOBBY									
529	OFFICE									
530	OFFICE									
601	ELEVATOR LOBBY									
602	CORRIDOR									
607	ELEVATOR LOBBY									
608	CORRIDOR									
701	ELEVATOR LOBBY									
702	LOBBY									
702	CORRIDOR									
707	ELEVATOR LOBBY									
708	CORRIDOR									
801	ELEVATOR LOBBY									
802	CORRIDOR									
807	ELEVATOR LOBBY									
808	LOBBY									
808	CORRIDOR									
808	CORRIDOR									
809	LOBBY									
814	FAN ROOM									
819	FAN ROOM									

MATERIAL FINISH LEGEND										
TYPE	SYMBOL	MATERIAL	MANUFACTURER	PATTERN	PATTERN NO.	COLOR	COLOR NO.	SIZE	COMMENTS	
CEILING	MCP-1	METAL CEILING PANEL	SNAP CAB	AURORA WITH EDGE LIT PERIMETER		BRONZE				
CEILING	MCP-2	METAL CEILING PANEL	SNAP CAB	AURORA WITH EDGE LIT PERIMETER		STAINLESS STEEL				
EXISTING WOOD	WD-1	STAINED WOOD		REFINISH TO MATCH TO EXISTING DARKER WOOD IN ELEV. LOBBY						
EXISTING WOOD	WD-2	STAINED WOOD		REFINISH TO MATCH TO EXISTING LIGHTER WOOD IN ELEV. LOBBY						
FLOORING	CPT-1	CARPET TILE	INTERFACE	STEP REPEAT COLLECTION, SR799	1388502500	SABLE	104916	50CM X 50CM		
FLOORING	MFP-1	METAL FLOOR PANEL		TO MATCH TO EXISTING						
METAL DOOR & FRAME	MP-1	METAL DOOR & FRAME		SEE NOTES ON SHEET A402 DETAIL 7						
PAINT	PT-1	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL DTM ACRYLIC		TAN			ESCALATOR	
WALL PANEL	WP-1	WALL PANEL	FORMICA	NAVY GRAFIX	7018-58				MATTE	
WALL PANEL	WP-2	WALL PANEL		NOT USED						
WALL PANEL	WP-3	WALL PANEL	SNAP CAB	STAINLESS STEEL WALL PANELS						
WALL PROTECTION	BG-1	BUMPER GUARD	CS ACROVYN	ACROVYN 4000, TFC CORNER GUARD		BRUSHED GRAPHITE	1745	4'-0" H X .06 TH X 6"		
WALL PROTECTION	HR-1	HAND RAIL	SNAP CAB	FLAT BAR		STAINLESS STEEL		2" H		

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MICHAEL L. PARSON,
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DRAWN BY: DMR
CHECKED BY: BAP
DESIGNED BY: MAH

SHEET TITLE:

FINISH SCHEDULE &
MATERIAL FINISH
LEGEND

SHEET NUMBER:

A-406

SHEET NO. 22 OF 56
2024-07-12

FIRE STOPPING NOTES
<p>1. MATERIALS: USE ONLY FIRE STOP PRODUCTS THAT HAVE BEEN UL 1479, ASTM E-814, OR UL 2079 TESTED FOR SPECIFIC FIRE RATE CONSTRUCTION CONDITIONS CONFORMING TO CONSTRUCTION ASSEMBLY TYPE, PENETRATING ITEM TYPE, ANNULAR SPACE REQUIREMENTS, AND FIRE RATING INVOLVED FOR EACH SEPARATE INSTANCE.</p> <p>2. FOR SINGLE PENETRATIONS: A READY-TO-USE LATEX BASED INTUMESCENT SEALANT IS REQUIRED TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY PENETRATED. THE SEALANT MUST HAVE UL LISTING FOR BOTH SLEEVED AND NON-SLEEVED APPLICATIONS.</p> <p>3. FOR LARGE OPENINGS: CONTAINING MULTIPLE PENETRATIONS (2 OR MORE), A READY-TO-USE FOAM INTUMESCENT BLOCK MATERIAL MUST BE ABLE TO BE REMOVED AND REINSTALLED WITHOUT COMPROMISING FIRE PROTECTION INTEGRITY. COMPLY WITH MANUFACTURER'S RECOMMENDED PROCEDURES AND PRECAUTIONS. DO NOT USE DAMAGED OR EXPIRED MATERIALS.</p> <p>4. MANUFACTURERS: JOHNS MANVILLE INTERNATIONAL, 3M BRAND, CSD SEALING SYSTEMS, HILTI, CIBA-GEIGY, HEAVY-DUTY/NEALSON. REFER TO DIVISION 7 FOR FURTHER REQUIREMENTS.</p>

FIRE PROTECTION DEMOLITION NOTES
<p>1. ALTHOUGH ALL PIPING MAY NOT BE INDICATED ON THE FLOOR PLANS, IT IS THE INTENT THAT THE ENTIRE EXISTING SPRINKLER SYSTEM WITHIN THE SCOPE OF WORK IS TO BE DEMOLISHED BACK TO THE NEAREST SUPPLY MAIN. ALL PIPING HANGERS AND SUPPORTS SHALL BE REMOVED ALONG WITH THE PIPING.</p> <p>2. PROTECT PIPING WHICH IS NOT TO BE REMOVED FROM DAMAGE, DIRT AND DEBRIS.</p> <p>3. ALL FIRE EQUIPMENT AND MATERIALS NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE PREMISES AND PROPERLY DISPOSED OF BY THE DEMOLITION CONTRACTOR.</p> <p>4. THE CONTRACTOR SHALL PLUG OR CAP ALL PIPING OUTLETS NOT INTENDED FOR REUSE.</p> <p>5. CEILING REMOVAL, STORAGE, AND REPLACEMENT WILL BE MADE BY THE CONTRACTOR AND IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO REPAIR THE EXISTING SURFACES TO REMAIN WHERE THEIR WORK HAS BEEN COMPLETED. REPAIR INCLUDES BUT SHALL NOT BE LIMITED TO, ANY EXISTING WALL, CEILING, OR FLOOR THAT IS SCHEDULED TO REMAIN. REPAIR, PAINTING, AND PATCHING SHALL BE COMPLETED BY AN APPROPRIATE CONTRACTOR QUALIFIED FOR THIS TYPE OF WORK.</p> <p>6. IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, THE CONTRACTOR WILL NOTIFY BUILDING OWNER OF THE HAZARDOUS MATERIAL.</p> <p>7. ARCHITECTURAL DEMOLITION DRAWINGS AND SPECIFICATIONS SHALL BE READ IN CONJUNCTION WITH THESE DRAWINGS.</p> <p>8. THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH PROJECT'S PHASING SCHEDULE PRIOR TO ANY WORK.</p>

FIRE PROTECTION - FIRE WATCH
<p>FIRE WATCH BUILDING AND OCCUPANT SAFETY - INTERRUPTION OF FIRE PROTECTION SERVICE</p> <p>1. DURING THE TIME THAT FIRE PROTECTION RENOVATION WORK IS BEING PERFORMED, AND THE FIRE PROTECTION SYSTEM IS DOWN AND OUT OF COMMISSION, THE FIRE PROTECTION CONTRACTOR SHALL HAVE SUFFICIENT PERSONNEL ONSITE TO KEEP A "FIRE WATCH" ON THE FACILITY.</p> <p>2. A FIRE PROTECTION WATCH IS IMPLEMENTED TO ENSURE THE FIRE SAFETY OF A BUILDING IN THE EVENT OF ANY ACT, OR SITUATION INSTIGATING AN INCREASED RISK TO PERSONS OR PROPERTY. THE TERM "FIRE WATCH" IS USED TO DESCRIBE A DEDICATED PERSON OR PERSONS WHOSE SOLE RESPONSIBILITY IS TO LOOK FOR FIRES WITHIN AN ESTABLISHED AREA.</p> <p>3. IN THE OPINION OF THE FIRE AND LIFE-SAFETY GROUP (FLS) OR FM GLOBAL (FM), ANY REQUIRED FIRE PROTECTION SYSTEM THAT IS OUT OF SERVICE FOR MORE THAN 4 HOURS AND OCCUPIED IS REQUIRED TO ESTABLISH A FIRE WATCH. FOR THE PERSON OR PERSONS ASSIGNED TO THE FIRE WATCH, THIS MUST BE THEIR ONLY JOB DUTY DURING THE TIME PERIOD OF THE FIRE PROTECTION RENOVATION WORK.</p> <p>4. IN ADDITION, THE BUILDING OWNER IS REQUIRED TO HAVE AN IMPAIRMENT COORDINATOR. THE OUT OF SERVICE EQUIPMENT MUST BE TAGGED "OUT OF SERVICE". AN OUT OF SERVICE TAG MUST BE PLACED AT THE FIRE ALARM PANEL AND THE FIRE DEPARTMENT CONNECTION (REFERENCE INTERNATIONAL FIRE CODE- CHAPTER 9, SECTION 901.7).</p> <p>5. 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.</p> <p>6. FIRE WATCH PERSONNEL ARE TO HAVE FIRE EXTINGUISHING EQUIPMENT READILY AVAILABLE AND TO BE TRAINED IN ITS USE.</p> <p>7. 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.</p> <p>8. IN GENERAL, A FIRE WATCH IS TO FULFILL THE INTENT OF NFPA-72 AS FOLLOWS: A. NOTIFY OCCUPANTS TO EVACUATE WHEN THERE IS A FIRE IN THE BUILDING. B. NOTIFY THE CENTRAL MONITORING STATION TO INITIATE EMERGENCY PERSONNEL RESPONSE. C. ACTIVATE FIRE PROTECTION SYSTEMS IN ORDER TO RELEASE DOOR HOLDERS, CLOSE SMOKE DAMPERS AND SHUT DOWN FANS.</p> <p>9. IF BUILDING OCCUPANTS ASSIST WITH FIRE WATCH DUTIES, THE PROCEDURES FOR CONTACTING EMERGENCY PERSONNEL AND EVACUATING THE BUILDING ARE TO BE DISTRIBUTED TO BUILDING OCCUPANTS. FOR PLANNED OUTAGES, THE PROCEDURES ARE TO BE SENT OUT TO THE BUILDING OWNER FOR DISTRIBUTION.</p>

DRAWING REFERENCES
<p># KEYED NOTE DESIGNATION</p> <p>PLAN NORTH</p> <p>TRUE NORTH</p> <p>NORTH ARROW</p> 

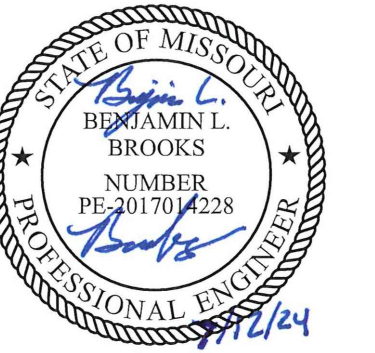
FIRE PROTECTION SYMBOLS & ABBREVIATIONS	
⊗	UPRIGHT SPRINKLER HEAD
◄	SIDEWALL SPRINKLER HEAD
(E)	EXISTING TO REMAIN
BFP	BRANCH TO CONNECTION
FDC	FIRE DEPARTMENT CONNECTION
NIC	NOT IN CONTRACT

FIRE PROTECTION ELEVATOR NOTES
<p>1. FIRE PROTECTION CONTRACTOR SHALL CONSIDER ELEVATOR SHAFT AS ORDINARY HAZARD, GROUP 1 WITH A MINIMUM SPRINKLER DISCHARGE DENSITY OF 0.15 GPM/SQ. FT. SPRINKLERS ARE NOT REQUIRED AT THE TOP OF NONCOMBUSTIBLE OR FIRE-RESISTANCE RATED HOISTWAYS OF ELEVATORS CARS MEETING THE REQUIREMENTS OF ASME A17.1, SAFETY CODE FOR ELEVATORS AND ESCALATORS IF SMOKE DETECTION IS PROVIDED. COORDINATE WITH ELECTRICAL CONTRACTOR PRIOR TO CONSTRUCTION. SIDEWALL SPRINKLERS SHALL BE INSTALLED AT THE BOTTOM OF EACH ELEVATOR HOISTWAY THAT CONTAIN COMBUSTIBLE HYDRAULIC FLUID NOT MORE THAN TWO (2) FEET ABOVE THE FLOOR OF THE PIT AND PROTECTED FROM FALLING DEBRIS OR MECHANICAL INTERFERENCE.</p>

PHASING NOTES
<p>1. THIS PROJECT ASSUMES THAT THE FIRE ALARM REPLACEMENT PROJECT, 02001-01 HAS BEEN COMPLETED. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND MAKE ARRANGEMENTS WITH STATE OF MISSOURI PROJECT REPRESENTATIVE.</p> <p>2. CONTRACTOR SHALL PHASE WORK TO MAINTAIN EXISTING SYSTEM OPERATIONAL.</p>

FIRE PROTECTION GENERAL NOTES
<p>1. ALL WORK SHALL BE PERFORMED, INSTALLED, AND TESTED IN COMPLIANCE WITH THE CODES AND AMENDMENTS ADOPTED BY THE INSPECTION AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT: A. 2018 - IBC B. 2018 - IRC C. NATIONAL FIRE PROTECTION ASSOCIATION EDITIONS LISTED IN THE IBC OR MOST CURRENT EDITIONS OF THE FOLLOWING a. NFPA 13 b. NFPA 25</p> <p>2. THE WORK CONSISTS OF FURNISHING ALL LABOR AND MATERIALS NECESSARY TO INSTALL, COMPLETE AND READY CONTINUOUS OPERATION, THE FIRE PROTECTION SYSTEMS, APPARATUS AND EQUIPMENT FOR THIS PROJECT, AS SHOWN ON THE DRAWINGS, PLUS AS REQUIRED BY NFPA 13 AND THE AUTHORITY HAVING JURISDICTION (AHJ).</p> <p>3. THE CONTRACTOR SHALL INCLUDE IN THEIR BID, A FULLY CODE COMPLIANT AND COORDINATED SPRINKLER SYSTEM. SPRINKLER LOCATIONS ARE SHOWN TO ESTABLISH, QUANTITY, AND DESIRED LOCATION. EXACT QUANTITY OF SPRINKLERS IS THE CONTRACTOR'S RESPONSIBILITY. PROJECT SHALL BE DESIGNED, CONSTRUCTED, AND TESTED PER THE NFPA STANDARDS AND/OR FM GLOBAL REQUIREMENTS.</p> <p>4. THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER, LOCATIONS, DEPTHS, ELEVATIONS AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC AT THE TIME OF BID.</p> <p>5. ALL SYSTEMS, EQUIPMENT, AND MATERIALS ARE TO BE INSTALLED IN A NEAT WORKMAN LIKE MANNER, WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.</p> <p>6. THE FIRE PROTECTION BID IS A DESIGN/BUILD CONTRACT. BEFORE SUBMITTING THE BID, THE CONTRACTOR SHALL VISIT THE SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AND VERIFY LOCATIONS, ELEVATIONS, AND SIZES OF ALL UTILITIES AT SITE PRIOR TO PROCEEDING WITH WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ASSUMPTIONS, OMISSIONS, OR ERRORS MADE AS A RESULT OF THE FAILURE TO BECOME FULLY FAMILIAR WITH EXISTING CONDITIONS. EXISTING SYSTEMS AND STRUCTURE SHALL BE INVESTIGATED FOR BEST POSSIBLE ROUTING OF FIRE PROTECTION PIPING.</p> <p>7. WHEN PLACING NEW SPRINKLERS AND ROUTING NEW SPRINKLER PIPING, CONTRACTOR SHALL VERIFY LOCATIONS OF POTENTIAL OBSTRUCTIONS FROM MECHANICAL EQUIPMENT AND ARCHITECTURAL FEATURES PRIOR TO BID AND PRICE ACCORDINGLY TO MAKE ALLOWANCES IN BID.</p> <p>8. THE CONTRACTOR SHALL PERFORM A FLOW TEST PRIOR TO DESIGN AND SUBMITTAL OF THE HYDRAULICALLY CALCULATED SYSTEM. THE FLOW TEST SHALL NOT BE MORE THAN 12 MONTHS OLD FROM THE DATE OF CONSTRUCTION.</p> <p>9. AT LEAST ONE HYDRAULIC CALCULATION SHALL BE PROVIDED PER SPRINKLER ZONE BASED ON THE CURRENT FLOW TEST. THE CALCULATION WILL INCLUDE HOSE ALLOWANCES AT THE BASE OF THE RISER PER NFPA 13 REQUIREMENTS BASED ON THE IDENTIFIED HAZARD. THERE WILL BE A 10% SAFETY ALLOWANCE PROVIDED FOR THE SPRINKLER SYSTEM BASED ON THE AVAILABLE PRESSURE AT THE SOURCE AND SYSTEM DEMAND, (10% OF THE SUM OF THE SPRINKLER DEMAND PLUS THE SAFETY FACTOR).</p> <p>10. THE CONTRACTOR SHALL SUBMIT ALL DRAWINGS AND CALCULATIONS TO THE FIRE DEPARTMENT, GOVERNING AGENCIES, AND INSURING AGENCY AND RECEIVE APPROVAL PRIOR TO SUBMITTING DESIGN SHOP DRAWINGS.</p> <p>11. SUBMIT ACCURATE AS-BUILT DRAWINGS TO THE ENGINEER AND OWNER.</p> <p>12. IF THIS CONTRACTOR DOES NOT CLEARLY UNDERSTAND THESE PLANS OR IS NOT COMPLETELY SURE OF THEIR MEANING, THIS CONTRACTOR SHOULD OBTAIN THE ENGINEER'S WRITTEN EXPLANATION AND/OR INTERPRETATION PRIOR TO SUBMITTING BIDS. SINCE THIS CONTRACTOR WILL BE HELD RIGIDLY TO THE INTERPRETATION OF THE ENGINEER.</p> <p>13. THESE PLANS ARE DIAGRAMMATIC IN NATURE SINCE THE ONLY AVAILABLE INFORMATION HAS BEEN OBTAINED FROM EXISTING PLANS, SPECIFICATIONS, AND FILED SURVEYS. THE EXACT LOCATION OF PIPING AND EQUIPMENT MAY DEVIATE FROM THE LOCATION INDICATED BY THESE DRAWINGS. EXTREME ACCURACY IS NOT GUARANTEED. THIS CONTRACTOR SHALL BE PREPARED TO MAKE ALTERATIONS TO NEW AND/OR EXISTING SERVICES TO FIT JOB CONDITIONS. THIS CONTRACTOR SHALL REPORT, IN WRITING, ANY DISCREPANCIES WHICH PREVENT THE INSTALLATION OF WORK AS SHOWN.</p> <p>14. IT IS ASSUMED THAT AREAS OUTSIDE THE SCOPE OF WORK ARE TESTED, MAINTAINED, AND MEET THE CODE REQUIREMENTS WHEN IT WAS INSTALLED, AND THE EXISTING SYSTEM IS ACCEPTED BY THE LOCAL AHJ. WORK PERFORMED WITHIN SCOPE OF WORK WILL PROVIDE A SYSTEM TO MEET THE REQUIREMENTS SET BY THE AHJ LIMITED BY THE BOUNDARY OF WORK.</p> <p>15. THE SPRINKLER CONTRACTOR PRIOR TO TIME OF BID SHALL EVALUATE THE SITE AND VERIFY ALL SPRINKLER PIPING AND EQUIPMENT THAT IS EXISTING TO REMAIN WITHIN OR SERVING THE SCOPE OF WORK, IS IN GOOD WORKING CONDITION.</p> <p>16. FURNISH AND INSTALL TAMPER SWITCHES ON ALL INDICATING VALVES AND FLOW SWITCHES PER NFPA 13 REQUIREMENTS AND PER THE DESIGN DOCUMENTS BY THE CONTRACTOR.</p> <p>17. THE CONTRACTOR SHALL FURNISH DRAIN VALVES AND INSPECTOR'S TEST CONNECTIONS AS REQUIRED BY NFPA 13 REQUIREMENTS AND AT THE DISCRETION OF THE FIRE MARSHAL, ENGINEER OR GOVERNING AGENCY.</p> <p>18. ALL OPENINGS THROUGH FIRE RATED FLOORS, WALLS, OR PARTITIONS SHALL BE FIRE STOPPED WITH UL RATED ASSEMBLIES OF EQUAL OR GREATER FIRE RATING. REFER TO FIRE STOPPING NOTES FOR ADDITIONAL INFORMATION.</p> <p>19. COORDINATE WITH STRUCTURAL ENGINEER WHEN SAW-CUTTING THROUGH CONCRETE FLOOR OR WALL CONSTRUCTION. LEAVE SUFFICIENT REBAR EXPOSED TO TIE NEW REINFORCING REPLACEMENT CONCRETE AND/OR OTHER STRUCTURAL ATTACHMENTS FOR NEW CONSTRUCTION.</p> <p>20. VALVES, TAMPER SWITCHES, OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING, UNLESS PROVIDED WITH EQUIVALENTLY RATED ACCESS AND SIGNAGE MEETING NFPA 13 REQUIREMENTS.</p> <p>21. SPRINKLERS SHALL BE LOCATED IN THE CENTER OF CEILING TILES, COORDINATE FINAL LAYOUT WITH ARCHITECT, AND OTHER DISCIPLINES.</p> <p>22. EXTENDED COVERAGE SPRINKLERS ARE PERMITTED. CONTRACTOR SHALL VERIFY ADDITIONAL PRESSURE REQUIREMENTS IF THIS TYPE IS SELECTED.</p> <p>23. THE SPRINKLER CONTRACTOR SHALL OBTAIN AND UTILIZE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR THE LOCATING OF SPRINKLER HEADS. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING DEVICE LOCATIONS AND THE SPECIFICATIONS FOR COORDINATION DRAWING REQUIREMENTS.</p> <p>24. PIPING SHALL BE INSTALLED AT LEAST 12" ABOVE FINISHED CEILING ELEVATION TO ALLOW FOR SUITABLE ACCESS ABOVE CEILING.</p> <p>25. INSTALL NO PIPING IN A LOCATION OR MANNER WHICH WILL ALLOW FREEZING.</p> <p>26. COORDINATE PIPE ROUTING NEAR ELECTRICAL EQUIPMENT PER NFPA 70. PIPING IS NOT TO BE ROUTED ABOVE ELECTRICAL PANELS, TRANSFORMERS, COMPUTER RACKS ETC. FIELD VERIFY AND COORDINATE WITH ELECTRICAL CONTRACTOR ALL EXISTING AND NEW ELECTRICAL LOCATIONS PRIOR TO DESIGN OF THE FIRE PROTECTION PLANS.</p> <p>27. ROUTING OF SPRINKLER MAINS, BRANCHLINES, AND HEADS SHALL BE THOROUGHLY COORDINATED WITH ALL OTHER DISCIPLINES AND BUILDING STRUCTURE PRIOR TO SUBMISSION OF COORDINATED SHOP DRAWINGS. THIS IS OF THE UTMOST IMPORTANCE ESPECIALLY WHERE SPACE IS LIMITED. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR COORDINATING, PREPARING, AND SUBMITTING COORDINATION DRAWINGS FOR APPROVAL/REVIEW.</p> <p>28. ADVISE THE ENGINEERS OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST 10 DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.</p> <p>29. THE FIRE SERVICE LEAD-IN, BACKFLOW PREVENTER, AND FIRE DEPARTMENT CONNECTION ARE EXISTING TO REMAIN.</p> <p>30. WHEN WORK REQUIRES TEMPORARY INTERRUPTIONS OF FIRE PROTECTION SERVICES OR UTILITIES THE FOLLOWING ACTIONS WILL BE TAKEN: A. COORDINATION WITH MAINTENANCE PERSONNEL TO SHUT OF SERVICES AT NEAREST MAIN. B. PROVIDE TEMPORARY AND ACCESSIBLE ISOLATION VALVES CLOSE TO THE POINT OF WORK. C. ENSURE BUILDING OPERATIONS CONTINUE WITH MINIMAL INTERRUPTIONS AND OPERATION OF EXISTING SYSTEMS BE INTERFACED WITH AS LITTLE DISRUPTION AS POSSIBLE EXCEPT IN VACATED AREAS. D. WORK INTERFERING WITH OPERATION OF DOWNTIME WILL BE SCHEDULED AFTER CONSULTATION WITH AND PERMISSION GIVEN BY OWNER (90 DAYS PRIOR TO ANTICIPATED INTERRUPTION OF SYSTEMS). E. SUCH WORK MAY BE REQUIRED TO BE PERFORMED OUTSIDE OF NORMAL WORKING HOURS. F. REFER TO FIRE WATCH NOTES FOR DISRUPTION OF FIRE SPRINKLER SYSTEMS IN OCCUPIED BUILDINGS WHEN DISRUPTION EXCEEDS 4 HOURS.</p>

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL

ARCHITECTURE &
ENGINEERING



6 SOUTH OLD ORCHARD AVE.
ST. LOUIS, MO 63119
T: 314.918.8393
F: 314.918.1766
www.introba.com

MISSOURI STATE CERTIFICATE
OF AUTHORITY #000148

ELEVATOR
CONSULTANT



600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
(636) 861-2722

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
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Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: AIK _____
CHECKED BY: RF _____
DESIGNED BY: RF _____

SHEET TITLE:

FIRE PROTECTION
SYMBOLS AND
ABBREVIATIONS

SHEET NUMBER:

F-001

SHEET NO. 23 OF 56
2024-07-12



PROFESSIONAL SEAL

ARCHITECTURE &
ENGINEERING



6 SOUTH OLD ORCHARD AVE.
ST. LOUIS, MO 63119
T: 314.918.8383
F: 314.918.1766
www.introba.com

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ELEVATOR
CONSULTANT



600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
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DRAWN BY: AIK
CHECKED BY: RF
DESIGNED BY: RF

SHEET TITLE:
FIRE ALARM
SYMBOLS AND
ABBREVIATIONS

SHEET NUMBER:

F-002

SHEET NO. 24 OF 56
2024-07-12

FIRE ALARM GENERAL NOTES	FIRE ALARM DEMOLITION NOTES	FIRE ALARM SYSTEM			
<p>1. ALL FIRE ALARM DEVICES SHALL REPORT TO THE EXISTING MAIN FACU.</p> <p>2. ALL WORK SHALL BE PERFORMED, INSTALLED, AND TESTED IN COMPLIANCE WITH THE CODES AND AMENDMENTS ADOPTED BY THE INSPECTION AUTHORITY. NOTHING IN THESE PLANS IS TO BE CONSTRUCTION TO PERMIT WORK NOT CONFORMING TO THESE CODES OR OTHERS APPLICABLE TO THIS PROJECT.</p> <p style="margin-left: 20px;">A. 2018 - IFC B. 2018 - IBC C. NATIONAL FIRE PROTECTION ASSOCIATION EDITIONS LISTED IN THE IBC OR MOST CURRENT EDITIONS OF THE FOLLOWING: a. NFPA 13 b. NFPA 25</p> <p>3. MOUNTING HEIGHTS INDICATED WITHIN PLANS AND SCHEDULES ARE DIMENSIONED TO THE CENTER LINE OF THE DEVICE, EQUIPMENT, ETC. UNLESS OTHERWISE NOTED.</p> <p>4. COORDINATE EXACT EQUIPMENT LOCATIONS WITH OTHER TRADES. EQUIPMENT LOCATIONS SHOWN ON ELECTRICAL PLANS ARE DIAGRAMMATICAL ONLY AND MIGHT NOT BE EXACT.</p> <p>5. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILINGS, AND IN FLOOR SLABS, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT ROUTED IN MECHANICAL ROOMS, ELECTRICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE ROUTED EXPOSED.</p> <p>6. COORDINATE VERTICAL CONDUIT ROUTING TO WALL MOUNTED DEVICES TO ENSURE DEVICES LOCATED WITHIN AN 18-INCH HORIZONTAL DIMENSION WILL BE CENTER-ALIGNED VERTICALLY.</p> <p>7. FIELD COORDINATE ALL ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT MOUNTING LOCATIONS TO AVOID ENCRoACHMENT OF OPERATION AND ACCESS TO EQUIPMENT FROM OTHER TRADES. COORDINATE THE APPROPRIATE MOUNTING LOCATION WITH THE AFFECTED DISCIPLINES WHEN EQUIPMENT IS SPECIFIED TO BE MOUNTED ONTO THE SURFACE OF ANOTHER DISCIPLINE'S EQUIPMENT.</p> <p>8. REPAIR ALL OPENINGS MADE IN EXISTING WALLS, PARTITIONS, ETC TO ACCOMMODATE WORK OF THIS DISCIPLINE TO MATCH THE SURROUNDING CONDITIONS, USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE. APPROPRIATELY GROUT OR SEAL ALL CONDUITS THROUGH WALLS.</p> <p>9. ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS MUST HAVE BEEN TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.</p> <p>10. REPLACE OR REINSTALL ALL PORTIONS OF THE BUILDING (CEILING TILES, WALLS, ETC) REMOVED TO ACCOMMODATE THE INSTALLATION OF ANY ELECTRICAL DEVICE, EQUIPMENT, ETC., USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE.</p>	<p>1. REMOVE, CAP AND RELOCATE EQUIPMENT, OUTLETS, CONDUIT, WIRE, ETC., AS SHOWN AND SPECIFIED ON DRAWINGS, AND AS MAY BECOME NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS. VISIBLY EXAMINE ALL EXISTING WALLS DESIGNATED FOR REMOVAL TO DETERMINE THE CONDUIT AND THE WIRING THAT WILL REQUIRE CAPPING AND REMOVAL, WHETHER OR NOT SUCH CONDITIONS ARE INDICATED ON THE DRAWINGS. FAILURE TO VISIT THE SITE AND TO TAKE ALL EXISTING CONDITIONS INTO ACCOUNT WILL NOT ALLOW FOR CHANGES TO THE SCOPE OF WORK.</p> <p>2. REMOVE ALL UNUSED WIRING AND CABLES BACK TO THEIR SOURCE. REMOVE ALL UNUSED CONDUIT THAT IS EXPOSED OR ABOVE ACCESSIBLE CEILINGS WHICH IS AFFECTED BY OR IS IN THE AREA OF THE DEMOLITION WORK.</p> <p>3. THE INTENTION OF THE FIRE ALARM DEMOLITION DRAWINGS IS TO DISCONNECT AND REMOVE ALL ELECTRICAL WORK MADE VOID BY THE SCOPE OF THE CONSTRUCTION AND ALTERATION. FIELD VERIFY EXACT MATERIAL QUANTITIES REQUIRED TO BE REMOVED.</p> <p>4. DISCONNECT AND REMOVE ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, ASSOCIATED RACEWAYS, SUPPORTING HARDWARE, AND WIRING, WHICH HAVE BEEN MADE OBSOLETE BY THE WORK OR IS SHOWN DASHED ON THE ELECTRICAL DEMOLITION DRAWINGS, UNLESS OTHERWISE NOTED. ALTHOUGH AN ATTEMPT HAS BEEN MADE TO INDICATE ALL OF THIS WORK, TOTAL ACCURACY IS NOT GUARANTEED. VISIBLY EXAMINE ALL AREAS AND WALLS AND CEILINGS SCHEDULED FOR REMOVAL TO DETERMINE EXISTING ELECTRICAL ITEMS TO REMAIN.</p> <p>5. WHERE FIRE ALARM EQUIPMENT, CONDUIT, BOXES, AND SUPPORTING HARDWARE ARE REMOVED, PATCH AND FINISH THE SURFACE AS REQUIRED TO MATCH THE EXISTING, USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE.</p> <p>6. WHERE BURIED CONDUITS EXTENDING OUT OF A CONCRETE SLAB BECOME ABANDONED, CUT AND GRIND THE CONDUITS OFF FLUSH WITH TOP OF SLAB AND PLUG WITH NON-SHRINKWATERPROOF GROUT FILL.</p> <p>7. TAKE ALL REMOVED MATERIALS FROM THE PROJECT SITE, EXCEPT FOR THOSE TO BE RELOCATED, STORED, OR TURNED OVER TO THE OWNER.</p> <p>8. ACCEPTANCE OF CONTRACT MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.</p> <p>9. COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.</p> <p>10. PROVIDE A BLANK COVER OVER THE OUTLET WHERE A FLUSH DEVICE IS BEING REMOVED FROM FLOORS AND WALLS THAT ARE TO REMAIN. MATCH THE COLOR AND MATERIAL TO THE EXISTING REMAINING COVERS IN THE ROOM OR SPACE.</p> <p>11. MODIFY EXISTING PANEL DIRECTORIES (OR REPLACE) FOR PANELBOARDS WHICH HAVE HAD ALTERATIONS TO THE CIRCUITS ORIGINATING THEREIN. DESCRIBE THE LOAD AND LOCATION. TYPE, DO NOT HAND LETTER NEW PANELBOARD DIRECTORIES</p>	<p>1. THE FIRE ALARM CONTENT SHOWN ON THE DRAWINGS REPRESENTS A SCHEMATIC LAYOUT WITH CERTAIN SPECIFIC REQUIREMENTS IDENTIFIED. PROVIDE ENGINEERED SHOP DRAWINGS (SIGNED AND SEALED) AND FINAL INSTALLATION IN COMPLIANCE WITH THESE FIRE ALARM GENERAL NOTES, THE SCHEMATIC FIRE ALARM CONTENT AND REQUIREMENTS SET FORTH BY THESE DRAWINGS, AND ANY ADDITIONAL REQUIREMENTS ESTABLISHED BY CODE, THE AUTHORITIES HAVING JURISDICTION, OR UNFORESEEN CONDITIONS. FURNISH THESE ENGINEERED FIRE ALARM SHOP DRAWINGS TO BOTH THE AUTHORITIES HAVING JURISDICTION (AHJ) AND THE ARCHITECT FOR REVIEW.</p> <p>2. PROVIDE ENGINEERED FIRE ALARM SHOP DRAWINGS THAT INCLUDE ALL DEVICES, EQUIPMENT, AND APPURTENANCES AS REQUIRED BY APPLICABLE CODES OR AS NECESSARY TO FOR A COMPLETE, FUNCTIONAL, FIRE ALARM SYSTEM INCLUDING INTERFACES WITH OTHER SYSTEMS AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.</p> <p>3. SPECIAL REQUIREMENTS FOR CIRCUIT BREAKERS PROVIDING OVERCURRENT PROTECTION TO FIRE ALARM SYSTEM CLASS I CIRCUITS: PROVIDE VISUALLY-DISTINGUISHABLE RED CIRCUIT BREAKERS WITH LOCK-ON DEVICE AND 'FIRE ALARM SYSTEM' LABEL.</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"> <p>□ FACU FIRE ALARM CONTROL UNIT (EXISTING)</p> <p>□ TC TERMINATION CABINET (EXISTING)</p> <p>⊕ HF HEAT DETECTOR FIXED TEMPERATURE</p> <p>⊕ SD SMOKE DETECTOR PHOTOELECTRIC TYPE</p> </td> <td style="width: 33%;"> <p>□ FR CONTROL RELAY ADDRESSABLE</p> <p>□ FM MONITOR MODULE ADDRESSABLE</p> <p>□ SD SMOKE DAMPER</p> </td> <td style="width: 33%;"></td> </tr> </table>	<p>□ FACU FIRE ALARM CONTROL UNIT (EXISTING)</p> <p>□ TC TERMINATION CABINET (EXISTING)</p> <p>⊕ HF HEAT DETECTOR FIXED TEMPERATURE</p> <p>⊕ SD SMOKE DETECTOR PHOTOELECTRIC TYPE</p>	<p>□ FR CONTROL RELAY ADDRESSABLE</p> <p>□ FM MONITOR MODULE ADDRESSABLE</p> <p>□ SD SMOKE DAMPER</p>	
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		<p>PHASING NOTES</p> <p>1. THIS PROJECT ASSUMES THAT THE FIRE ALARM REPLACEMENT PROJECT 02001-01 HAS BEEN COMPLETED. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND MAKE ARRANGEMENTS WITH PROJECT COORDINATOR.</p> <p>2. CONTRACTOR SHALL PHASE WORK TO MAINTAIN EXISTING SYSTEM OPERATIONAL.</p>			

PLAN MARK	SYSTEM INPUT	SEQUENCE OF OPERATION							
		ACTIVATE ALARM INDICATION TRANSMIT ALARM SIGNAL TO THE MAIN FACU	ACTIVATE SUPERVISORY INDICATION TRANSMIT ALARM SIGNAL TO THE MAIN FACU	ACTIVATE TROUBLE INDICATION TRANSMIT ALARM SIGNAL TO THE MAIN FACU	ELEVATOR RECALL (PRIMARY FLOOR)	ELEVATOR RECALL (ALTERNATE FLOOR)	ELEVATOR CAB: FIREFIGHTER FLASHING HAT	ELEVATOR CAB: FIREFIGHTER SOLID HAT	ELEVATOR SHUTDOWN (SHUNT TRIP)
	FAILURE OR COMMUNICATION ERROR			●					
⊕ HF ⊕ HR	HEAT DETECTOR [ELEVATOR MACHINE ROOM & PIT]	●							●
⊕ SD	SMOKE DETECTOR [NORTH & SOUTH ELEVATOR MACHINE ROOM]	●			●		●		
⊕ SD	SMOKE DETECTOR [ELEVATORS 9, 10 & 11 MACHINE ROOM]	●				●	●		
⊕ SD	SMOKE DETECTOR [PRIMARY FLOOR ELEVATOR LOBBY]	●				●		●	
⊕ SD	SMOKE DETECTOR [ALTERNATE FLOOR ELEVATOR LOBBY]	●			●			●	
⊕ SD	SMOKE DETECTOR [TOP OF HOISTWAY]		●						●
□ FM 1	ELEVATOR SHUNT TRIP CIRCUIT POWER FAILURE [NORTH & SOUTH ELEVATOR MACHINE ROOM]		●						

- GENERAL NOTES:**
- REFER TO FLOOR PLANS FOR DEVICE LOCATIONS AND ADDITIONAL INFORMATION.
 - REFER TO SPECIFICATION SECTION 28 31 11 FOR DESCRIPTION OF FIRE ALARM SEQUENCE OF OPERATIONS.
 - ALL PROVIDED INPUTS AND OPERATIONS SHALL BE ADDED TO THE EXISTING OPERATIONS PROGRAMMING ON THE MAIN FACU.

- KEYED NOTES:**
- PROVIDE GENERAL PURPOSE RELAY WITH NORMALLY OPEN CONTACTS TO MONITOR POWER LOSS. PROVIDE A MONITOR MODULE CONNECTED TO THE LOAD SIDE OF THE RELAY CONTACTS.

1 SEQUENCE OF OPERATION
NO SCALE

#	SHEET KEYNOTES
1.	REMOVE ANY EXISTING FIRE ALARM EQUIPMENT.

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Replace 13 Elevators and 6 Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

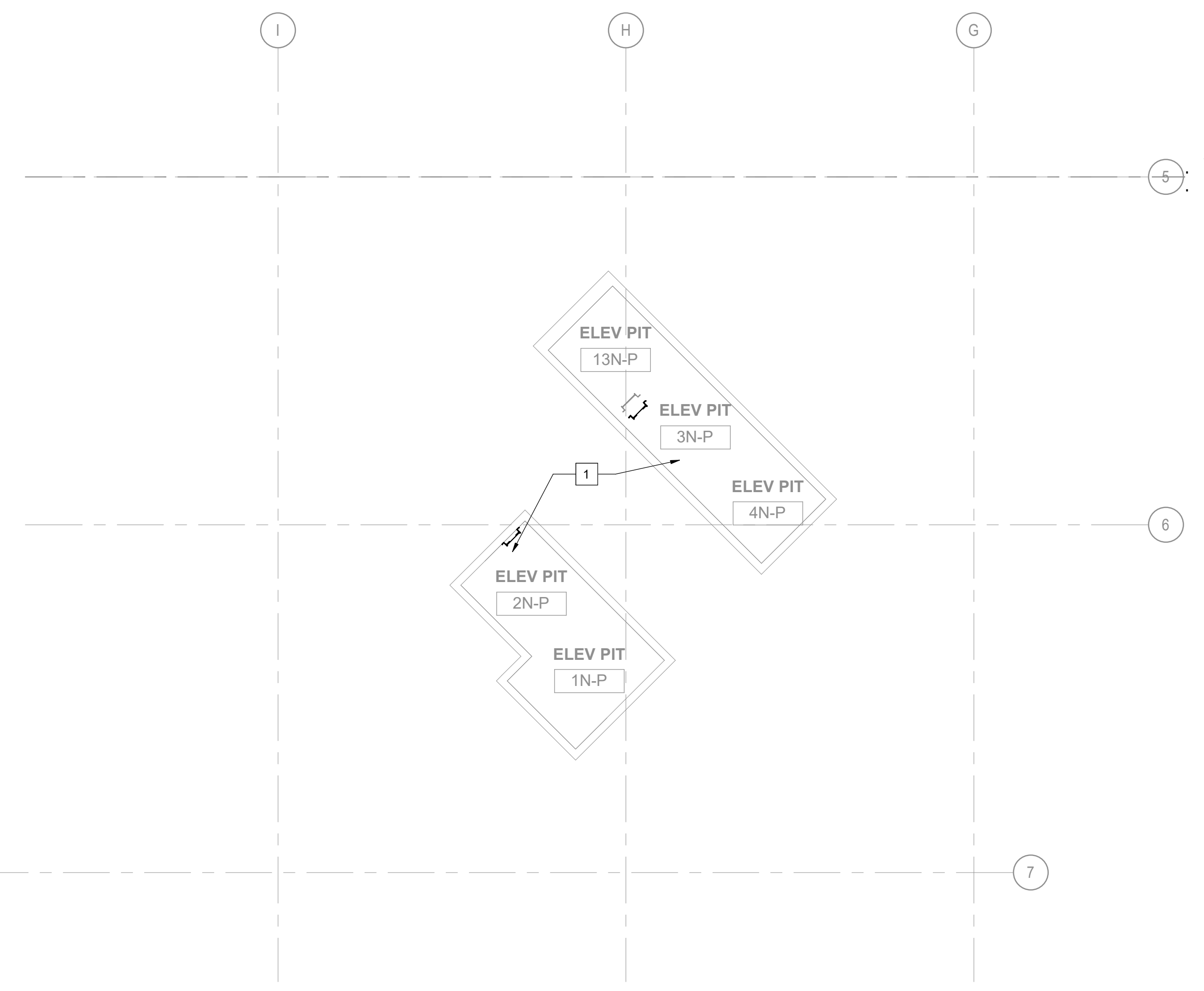
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DRAWN BY: AIK
CHECKED BY: RF
DESIGNED BY: RF

SHEET TITLE:
**FIRE PROTECTION
ELEVATOR PIT -
DEMOLITION**

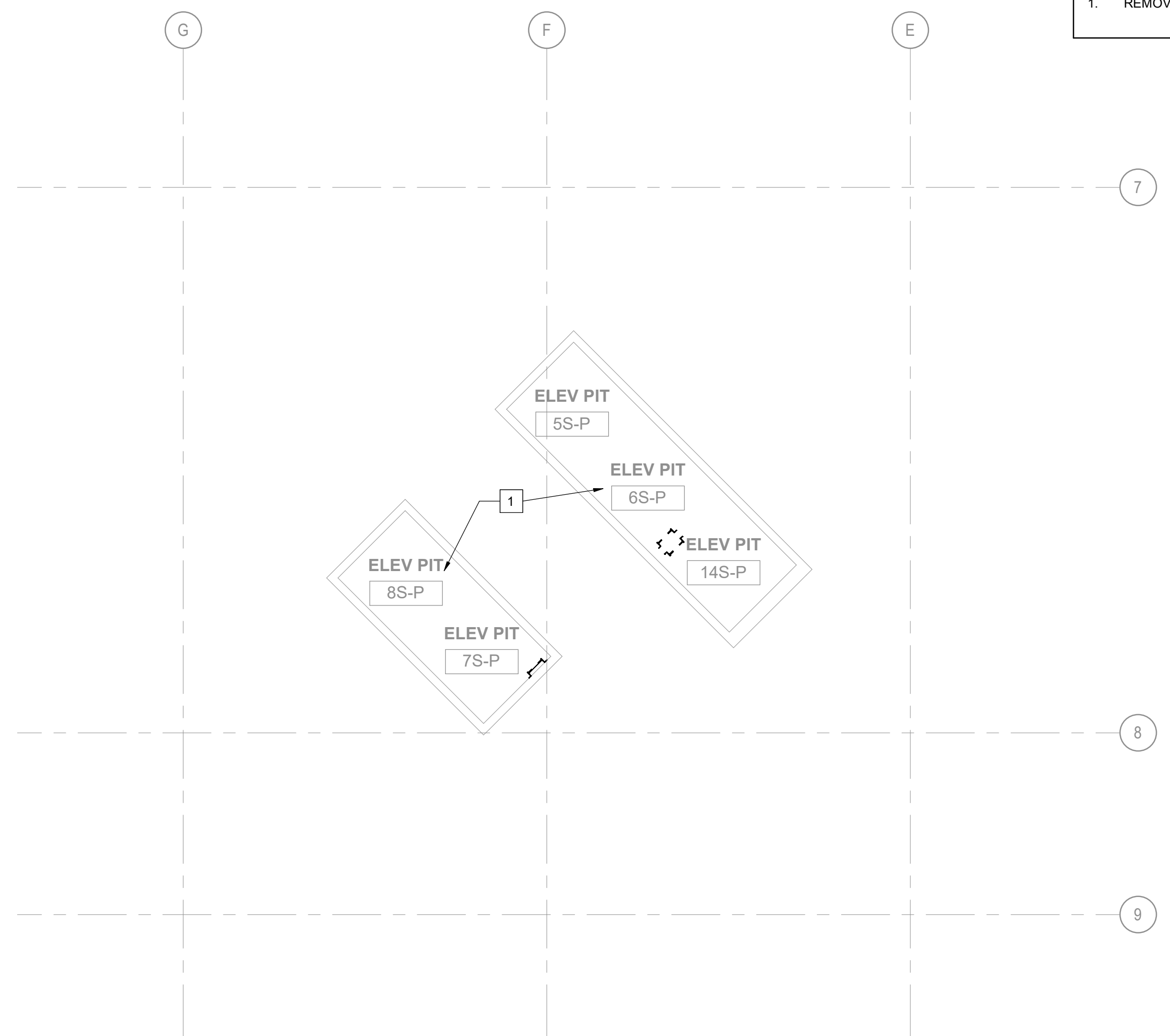
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F-101

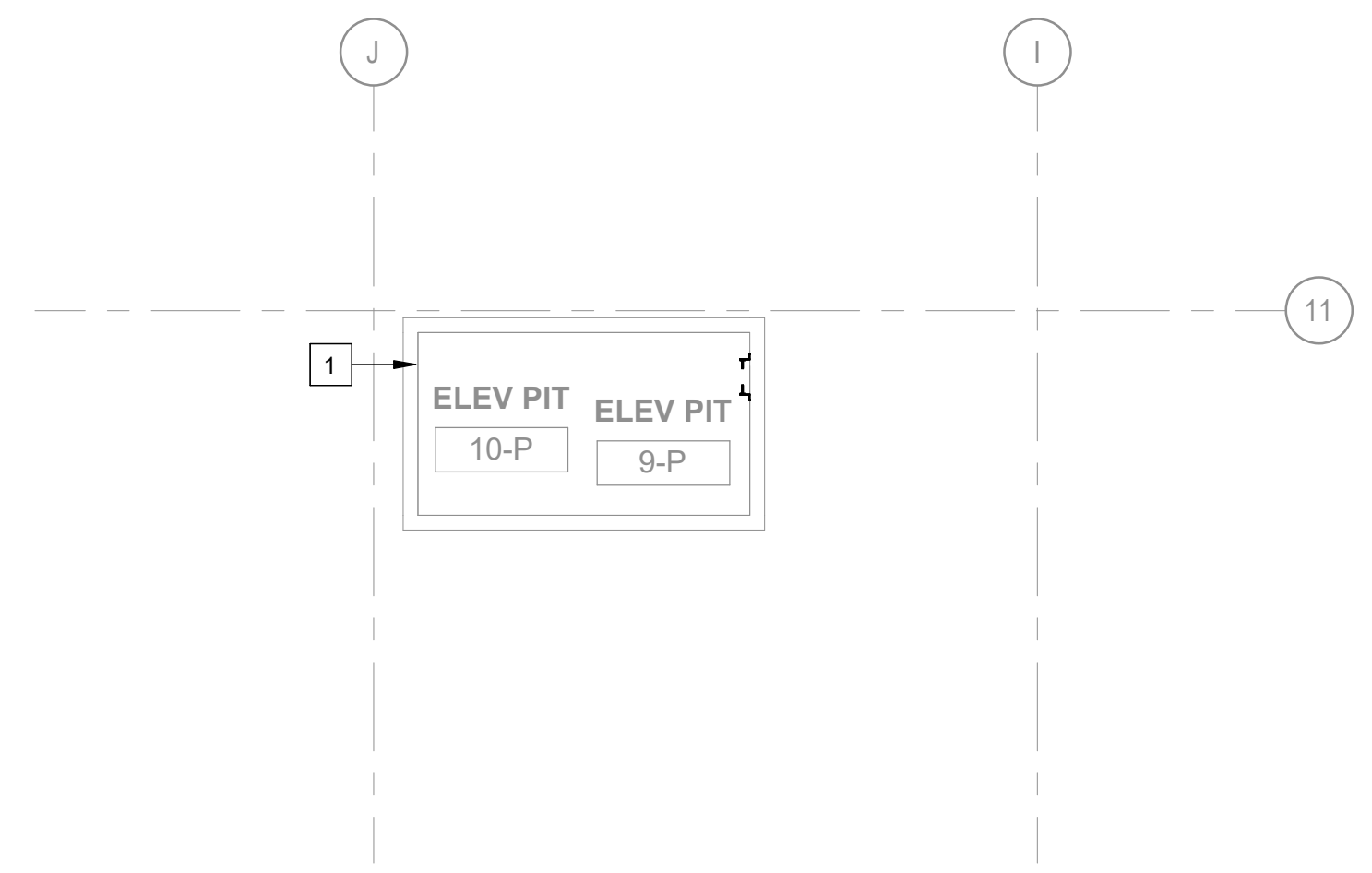
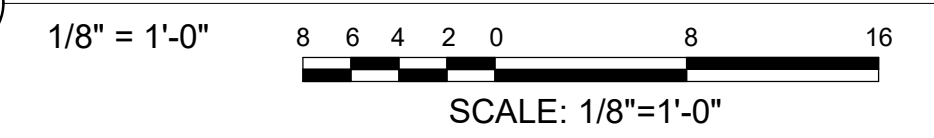
SHEET NO. 25 OF 56
2024-07-12



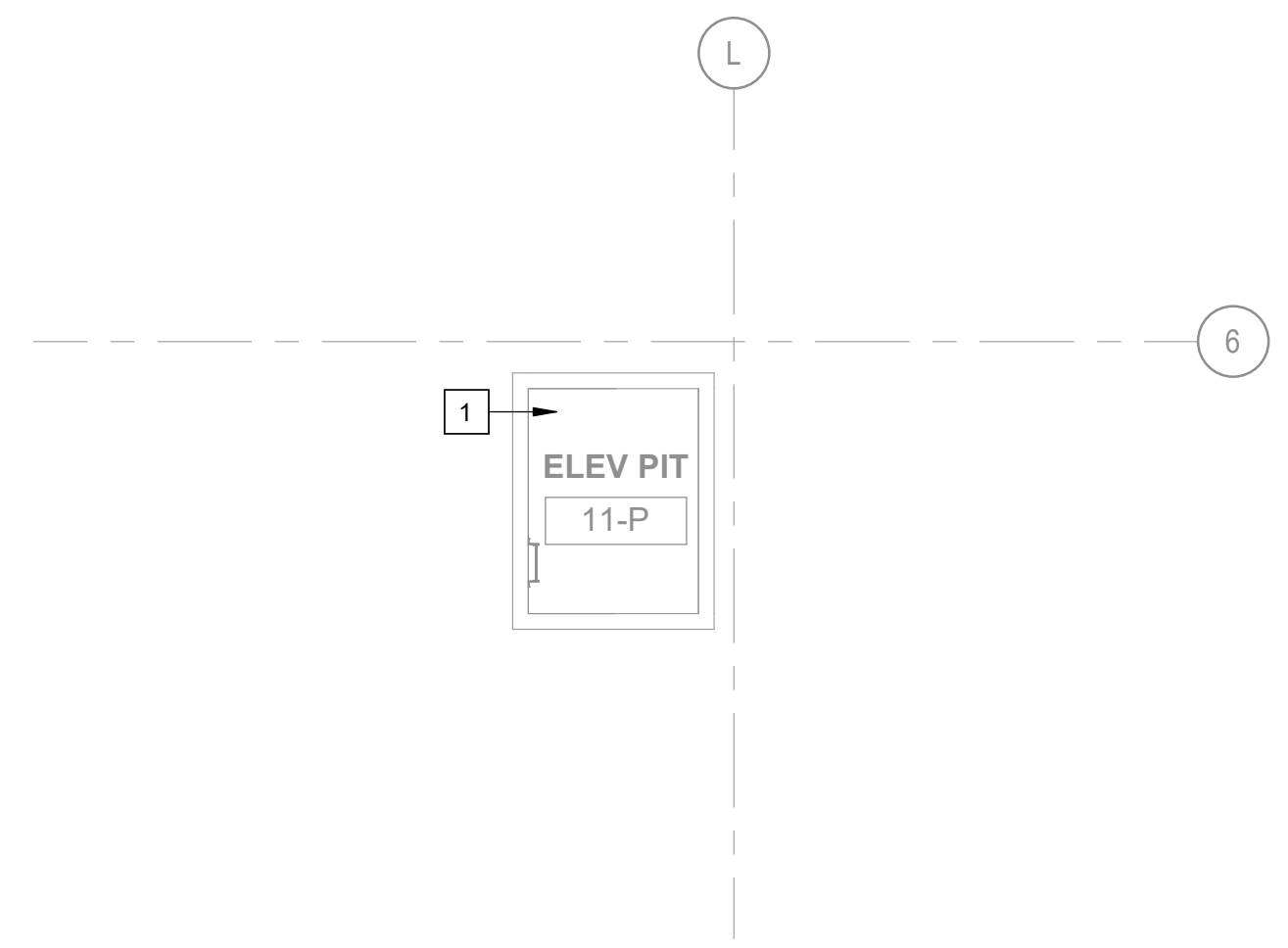
1 ELEVATOR PIT DEMO PLAN - NORTH CORE



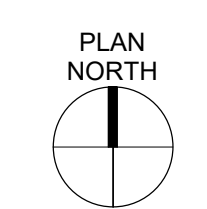
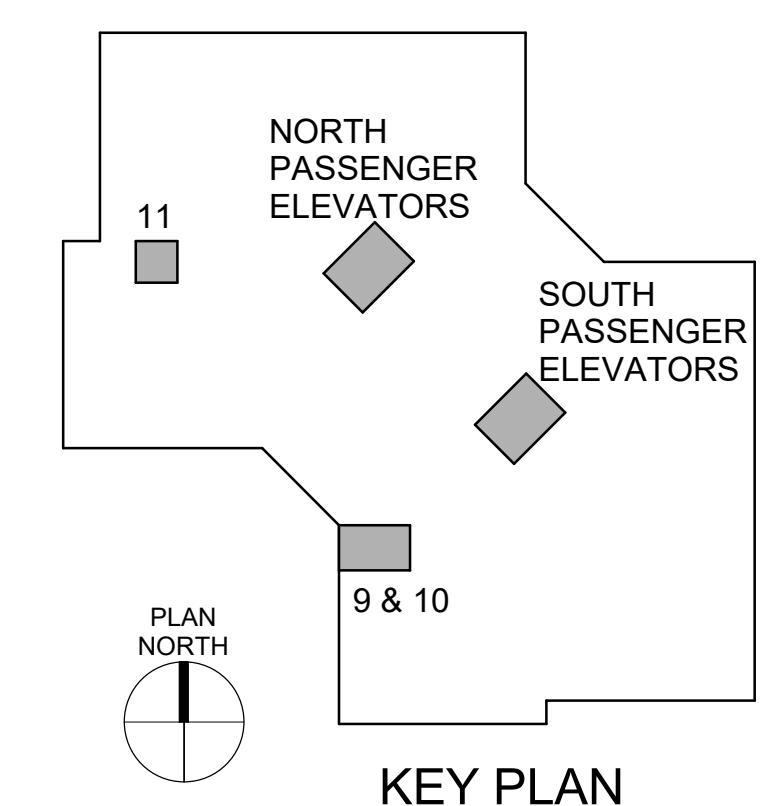
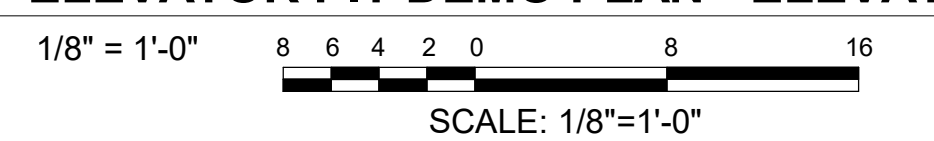
2 ELEVATOR PIT DEMO PLAN - SOUTH CORE



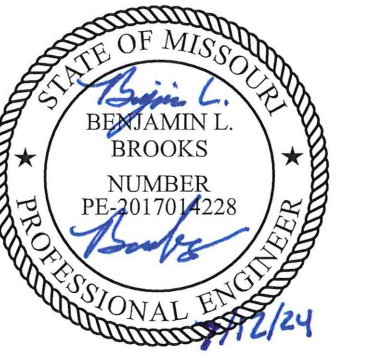
3 ELEVATOR PIT DEMO PLAN - ELEVATORS 9 & 10



4 ELEVATOR PIT DEMO PLAN - ELEVATOR 11



KEY PLAN



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CAD DWG FILE: _____
DRAWN BY: AIK
CHECKED BY: RF
DESIGNED BY: RF

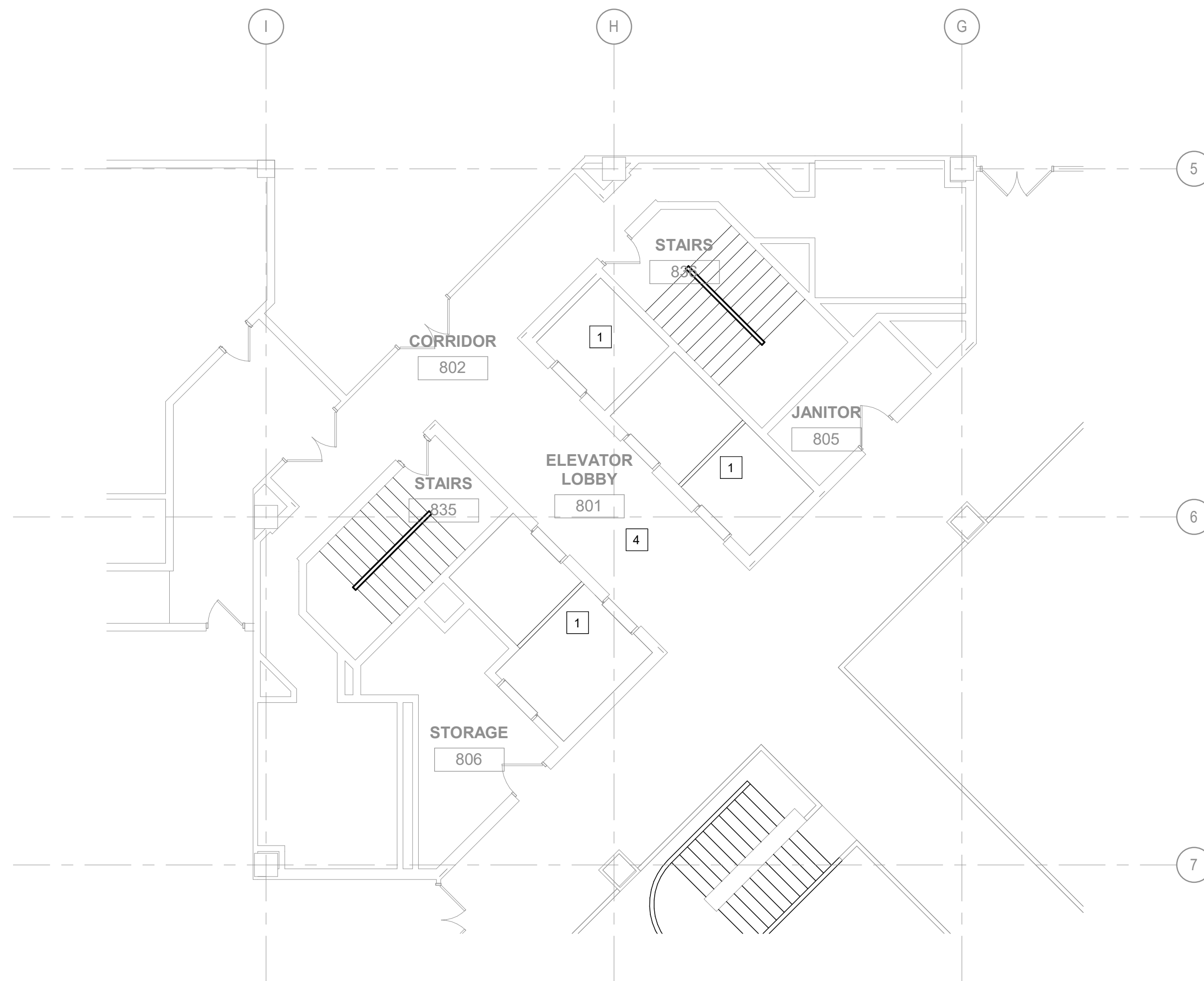
SHEET TITLE:
**FIRE PROTECTION
TOP OF SHAFT -
DEMOLITION**

SHEET NUMBER:

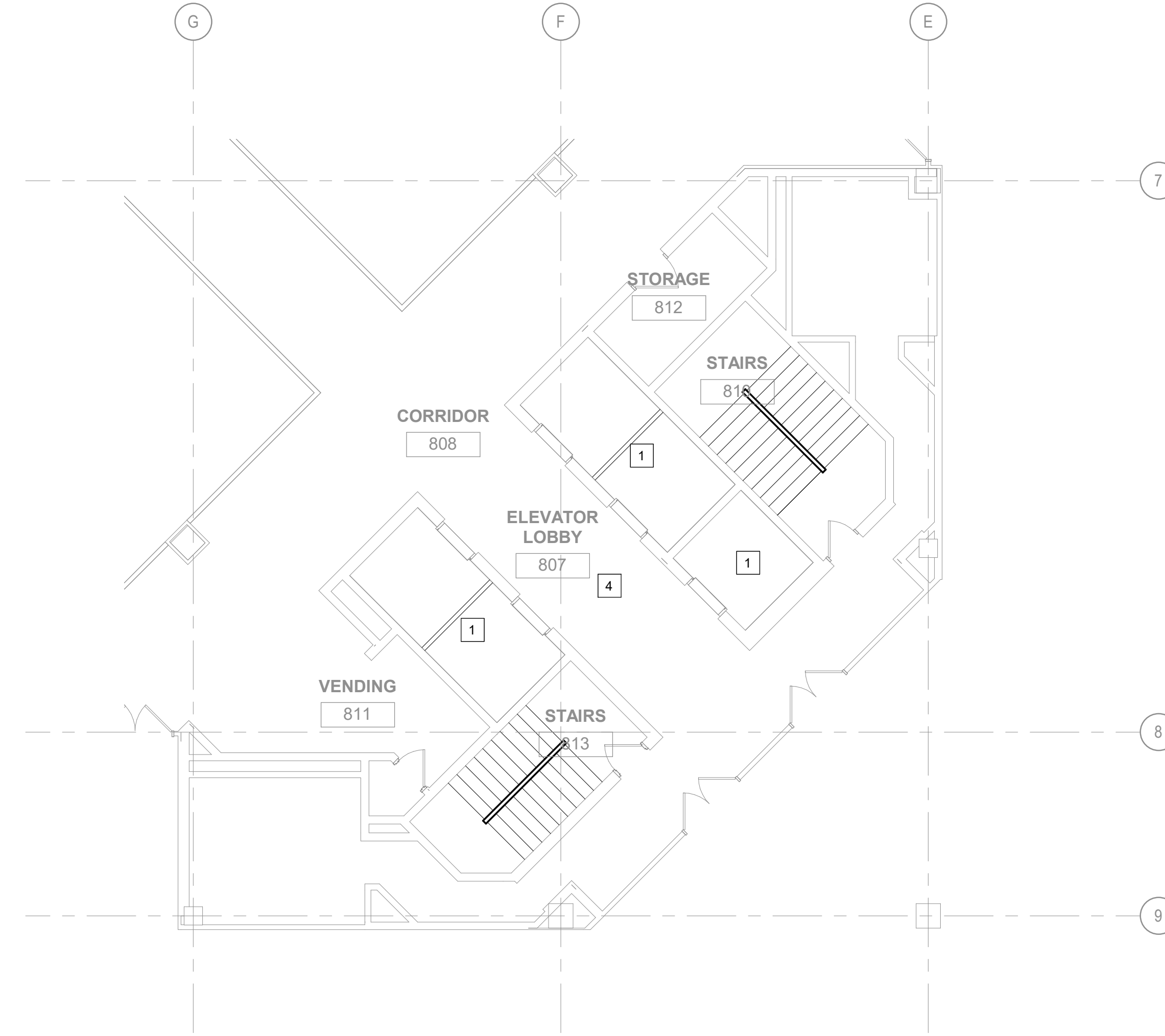
F-102

SHEET NO. 26 OF 56
2024-07-12

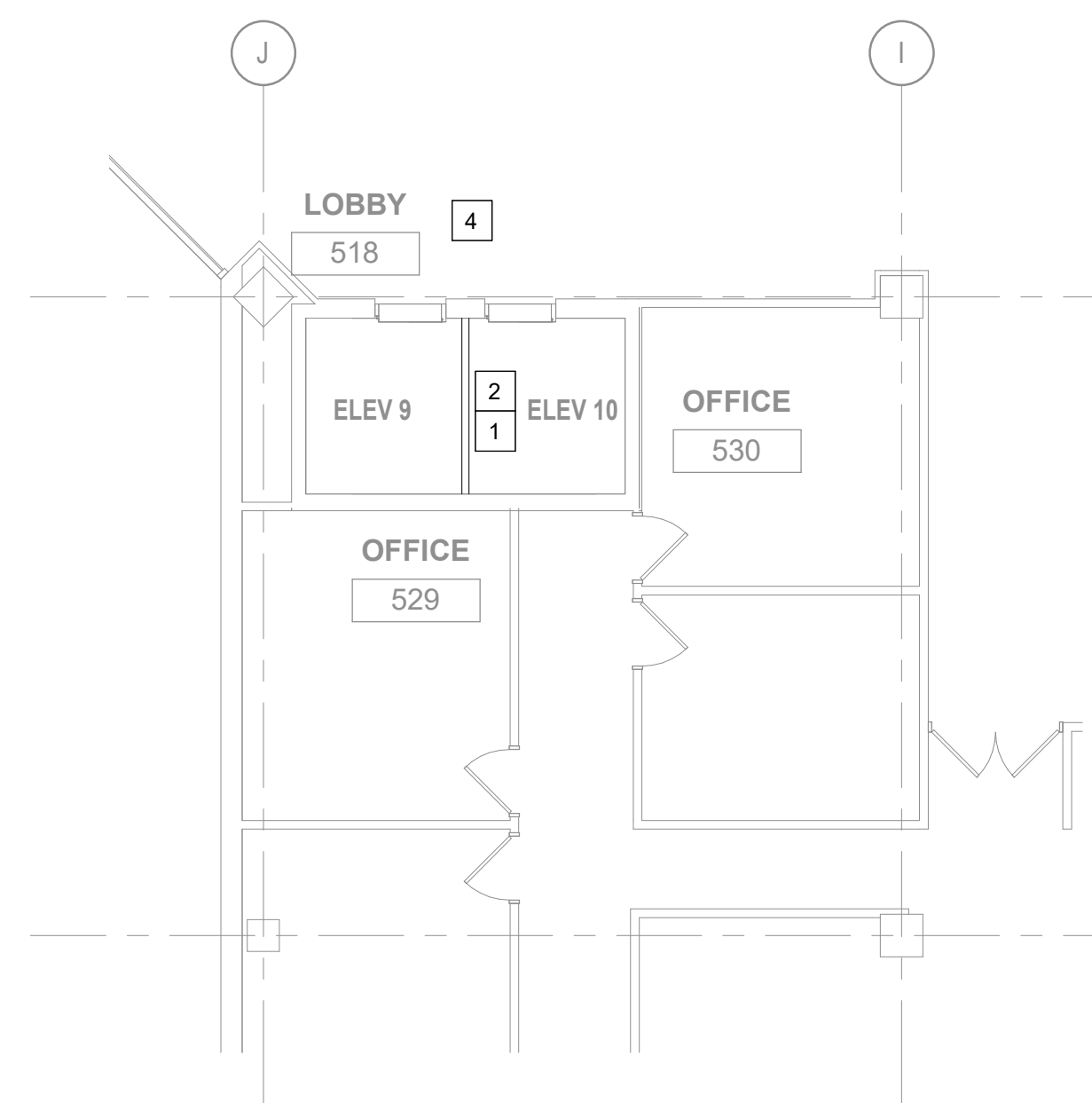
#	SHEET KEYNOTES
1.	REMOVE ALL EXISTING FIRE ALARM EQUIPMENT WITHIN THE ELEVATOR SHAFT.
2.	REMOVE ANY EXISTING SPRINKLERS, PIPING, AND ASSOCIATED HANGERS IN ELEVATOR HOISTWAY AND CAP BACK TO NEAREST BRANCHLINE. PATCH ANY HOLES.
3.	REMOVE SPRINKLER IN ELEVATOR MACHINE ROOM.
4.	REMOVE SMOKE DETECTOR AND WIRING IN THE LOBBY. TYPICAL FOR ALL FLOORS. PATCH HOLE UPON INSTALLATION OF NEW DETECTOR.



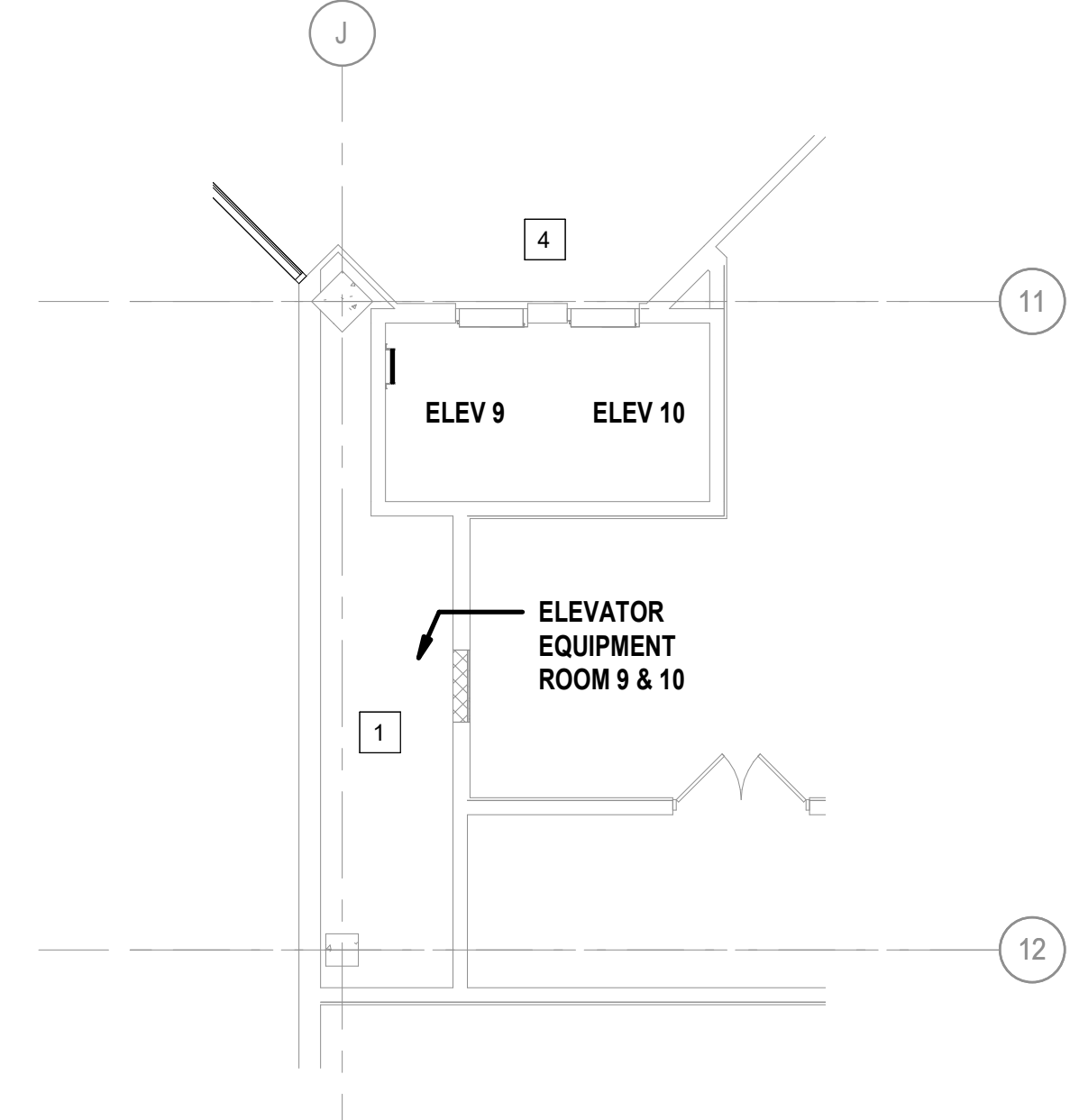
1 **8TH FLOOR DEMO PLAN - NORTH CORE**
1/8" = 1'-0"
SCALE: 1/8"=1'-0"



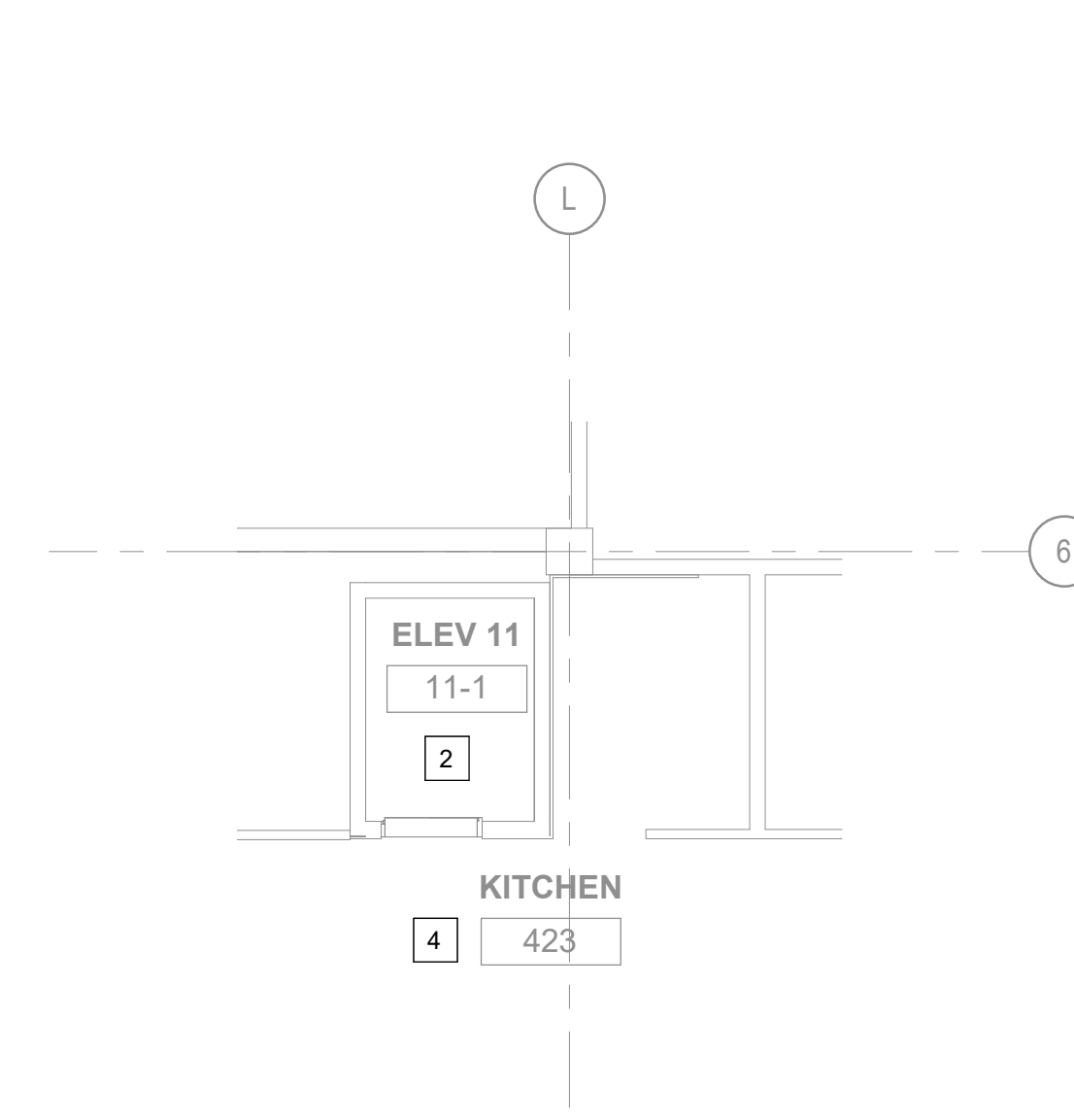
2 **8TH FLOOR DEMO PLAN - SOUTH CORE**
1/8" = 1'-0"
SCALE: 1/8"=1'-0"



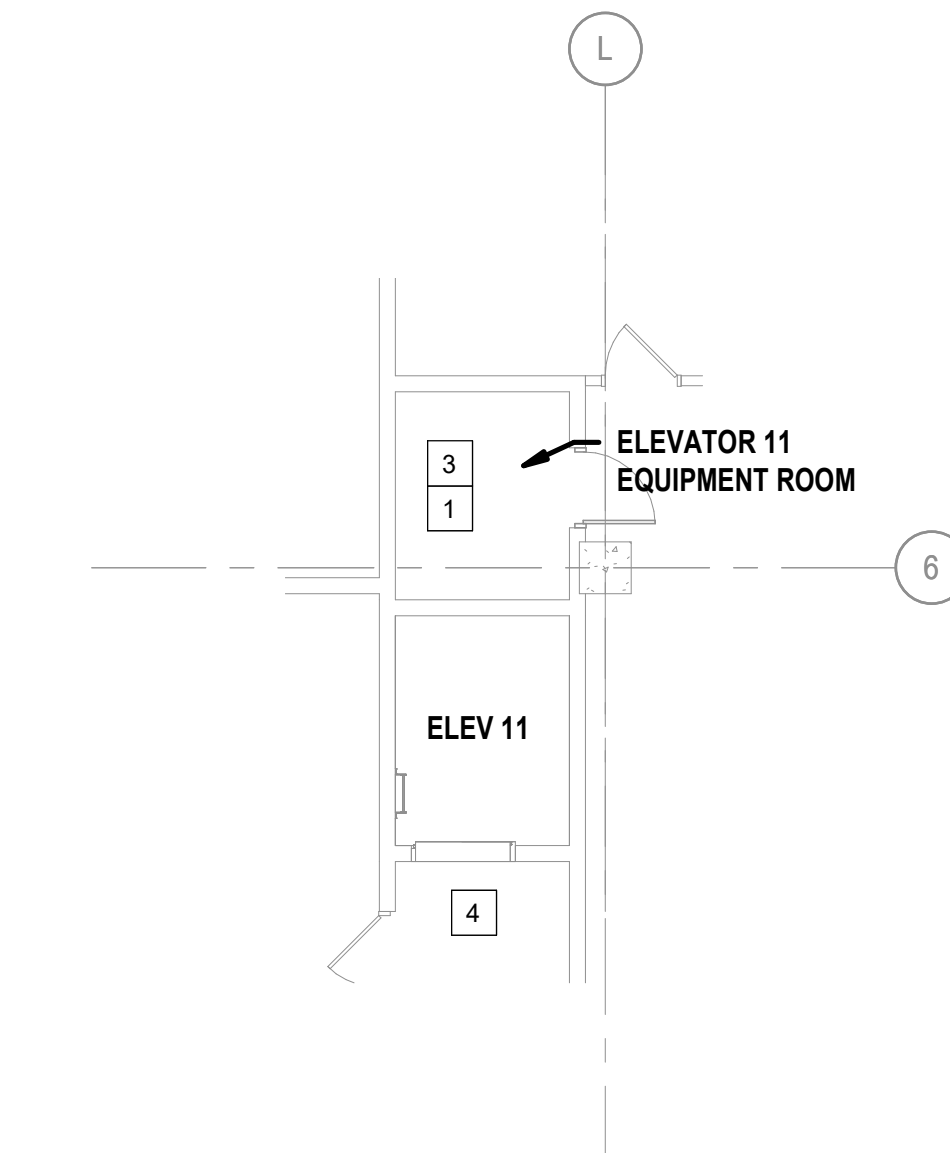
3 **5TH FLOOR DEMO PLAN**
1/8" = 1'-0"
SCALE: 1/8"=1'-0"



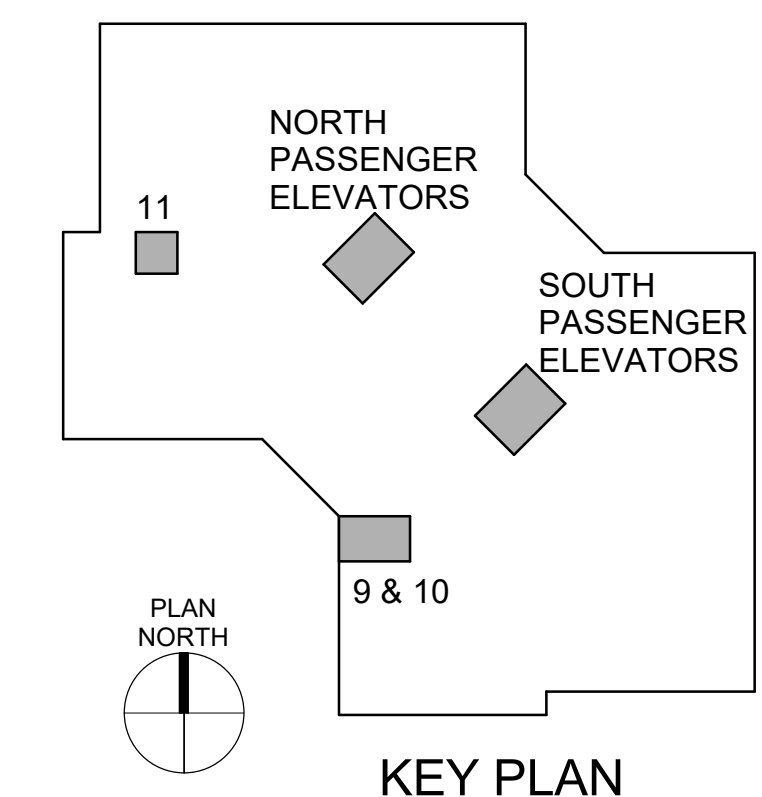
4 **1ST FLOOR ELEVATOR 9 & 10 EQUIPMENT ROOM DEMO PLAN**
1/8" = 1'-0"
SCALE: 1/8"=1'-0"



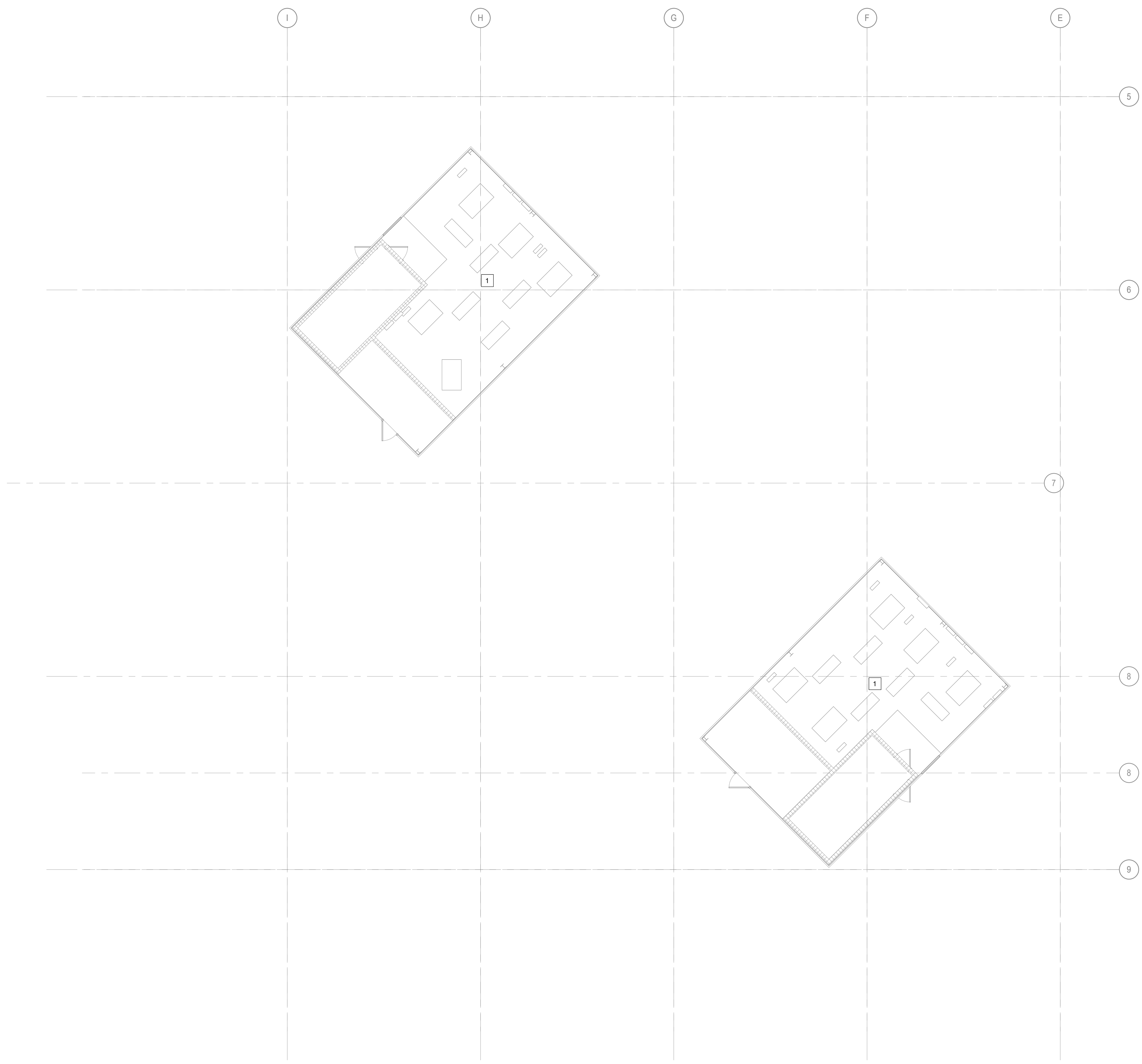
5 **4TH FLOOR DEMO PLAN**
1/8" = 1'-0"
SCALE: 1/8"=1'-0"



6 **1ST FLOOR ELEVATOR 11 EQUIPMENT ROOM DEMO PLAN**
1/8" = 1'-0"
SCALE: 1/8"=1'-0"

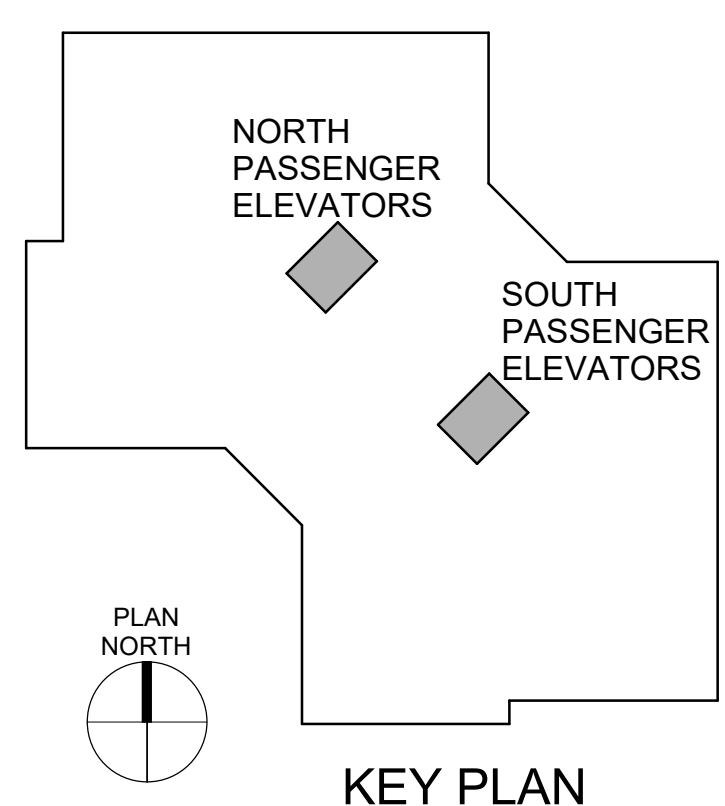


KEY PLAN

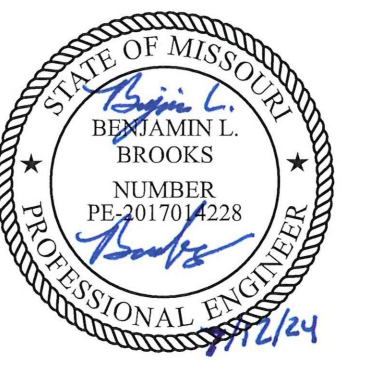


#	SHEET KEYNOTES
1.	REMOVE EXISTING ELEVATOR RELAYS AND SMOKE DETECTORS.

1 ELEVATOR PENTHOUSE DEMO PLAN
 1/8" = 1'-0"
 8 6 4 2 0 8 16
 SCALE: 1/8"=1'-0"



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 FACILITY # 3101001050

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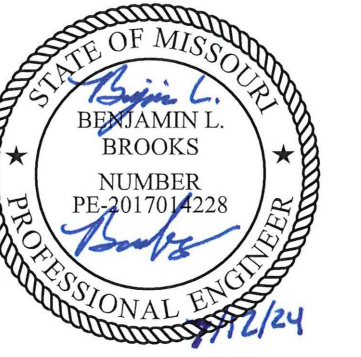
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 DRAWN BY: AIK
 CHECKED BY: RF
 DESIGNED BY: RF

SHEET TITLE:
**FIRE PROTECTION
 PENTHOUSE
 DEMOLITION**

SHEET NUMBER:

F-103

SHEET NO. 27 OF 56
 2024-07-12



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DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: AIK
CHECKED BY: RF
DESIGNED BY: RF

SHEET TITLE:
**FIRE PROTECTION
ELEVATOR PIT -
NEW WORK**

SHEET NUMBER:

F-104

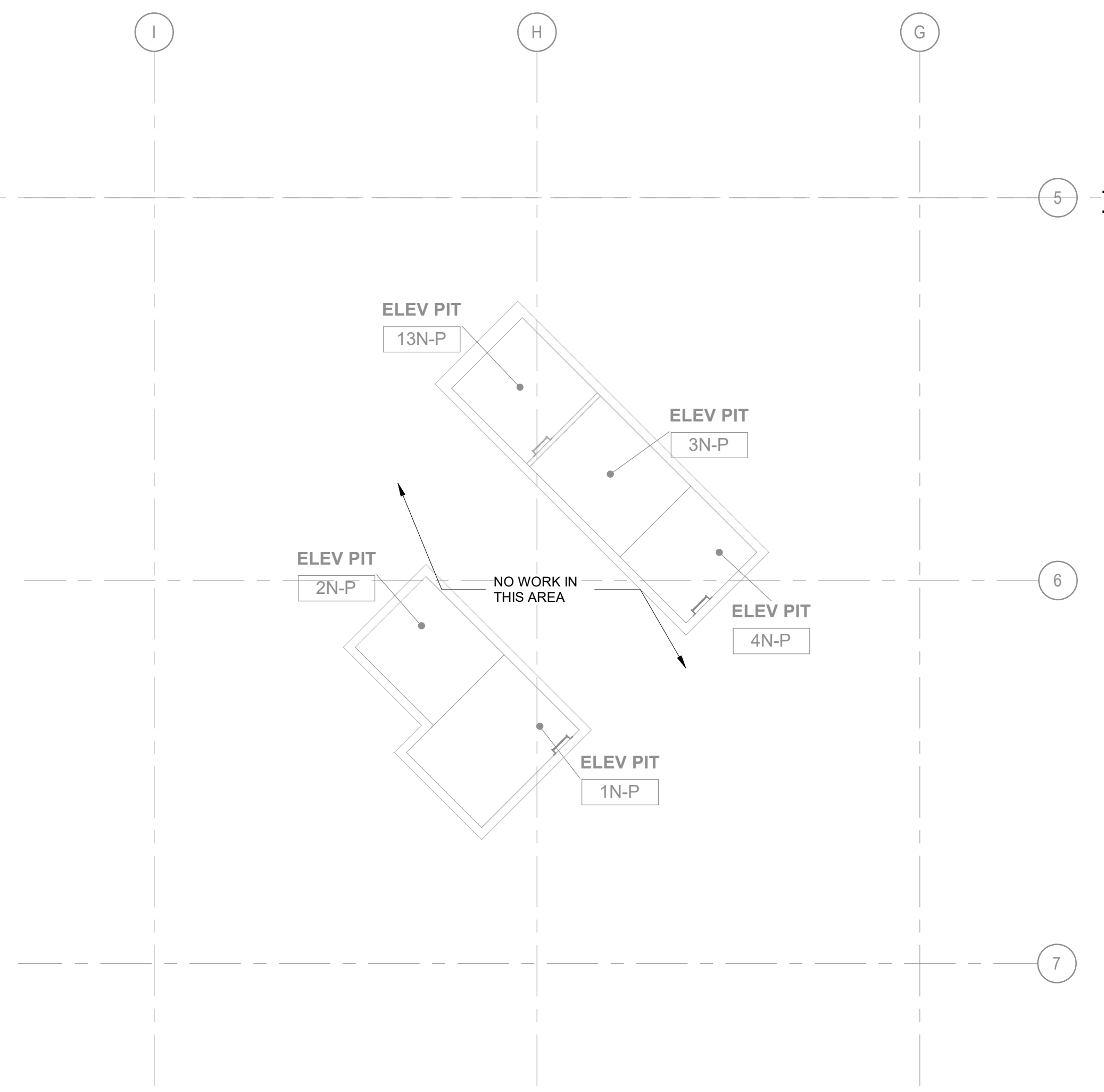
SHEET NO. 28 OF 56
2024-07-12

GENERAL NOTES

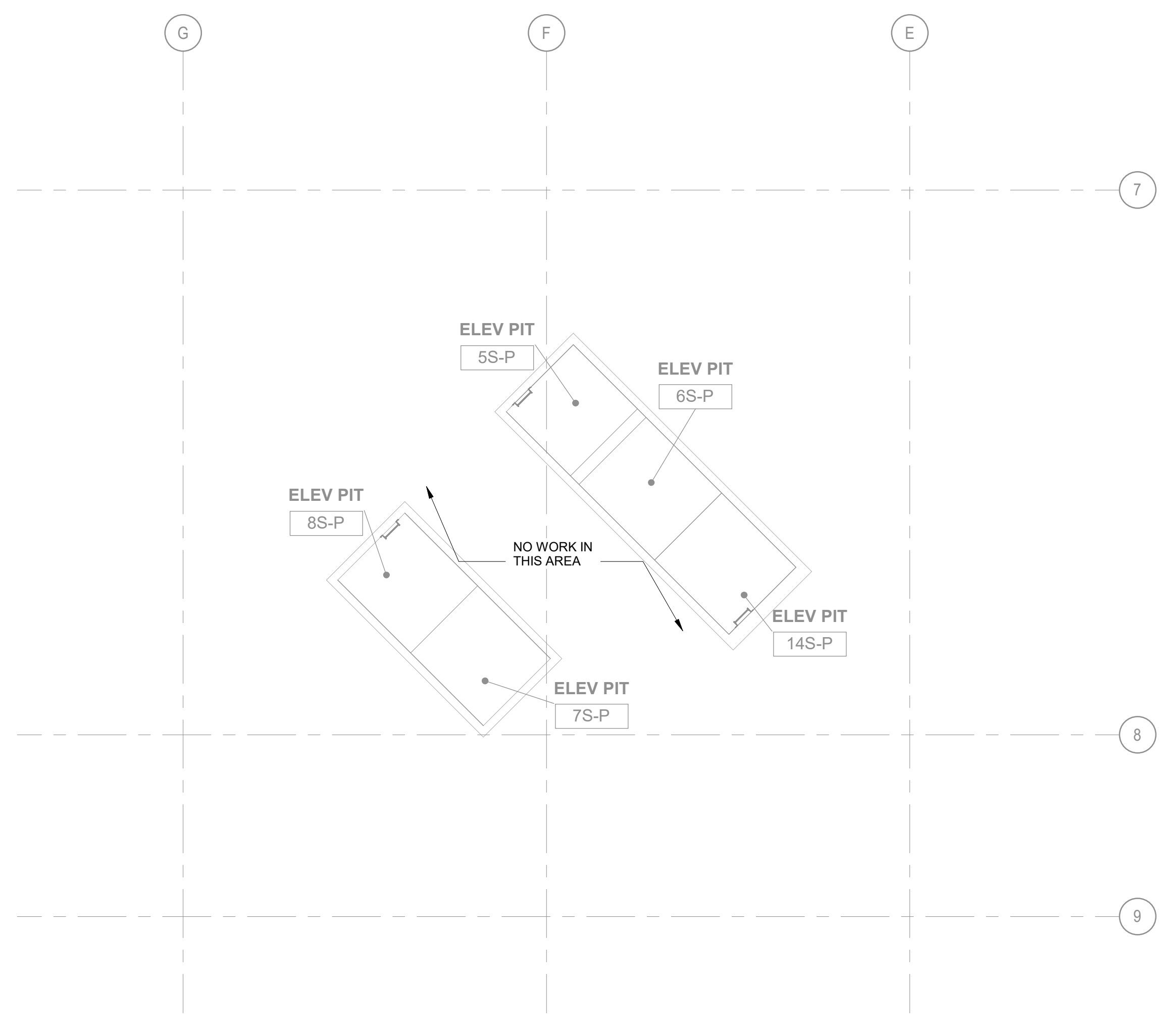
- COORDINATE WITH ELEVATOR CONTRACTOR TO PROVIDE HATCH TO ACCESS HEAT DETECTOR FROM THE OUTSIDE OF HOISTWAY.

SHEET KEYNOTES

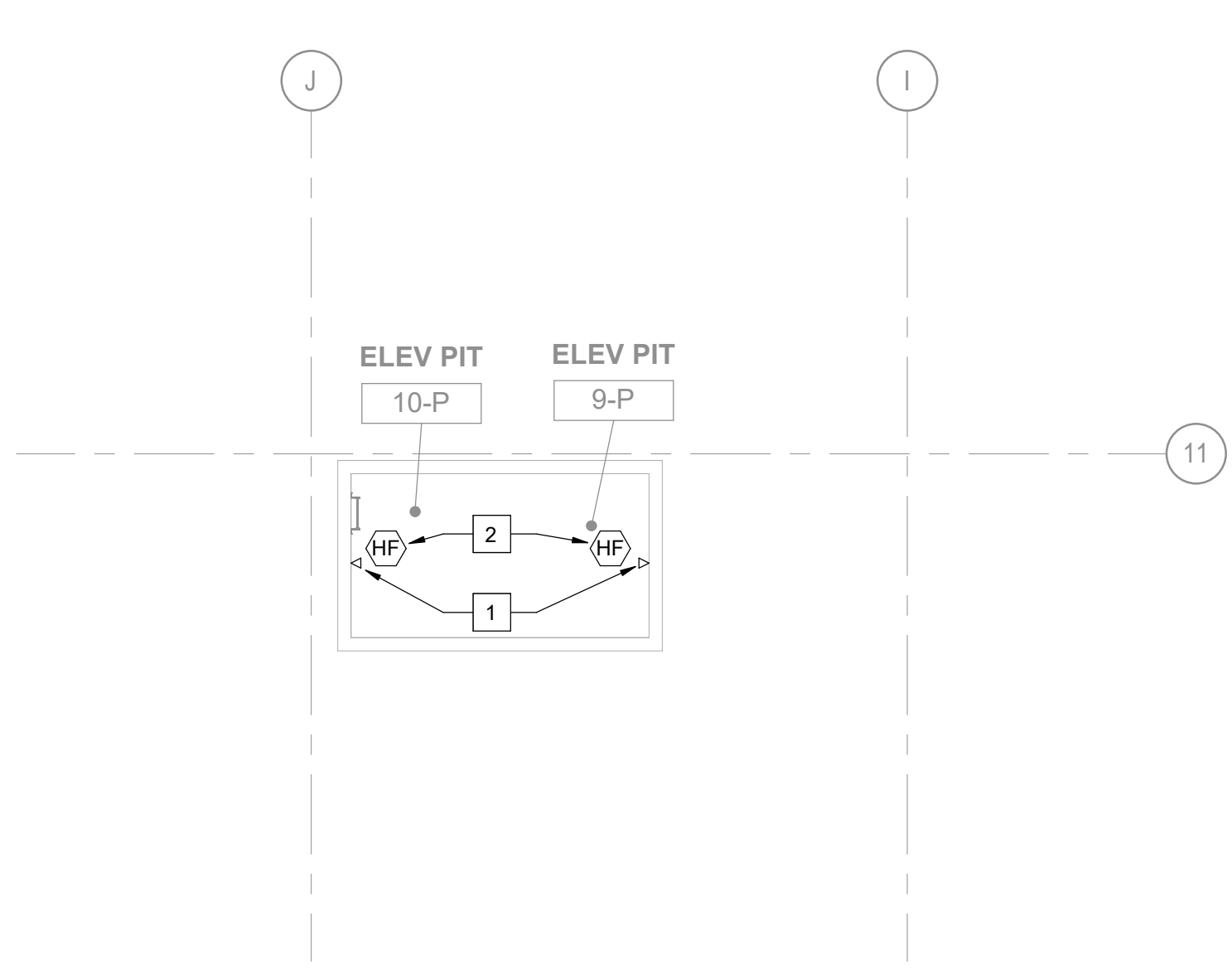
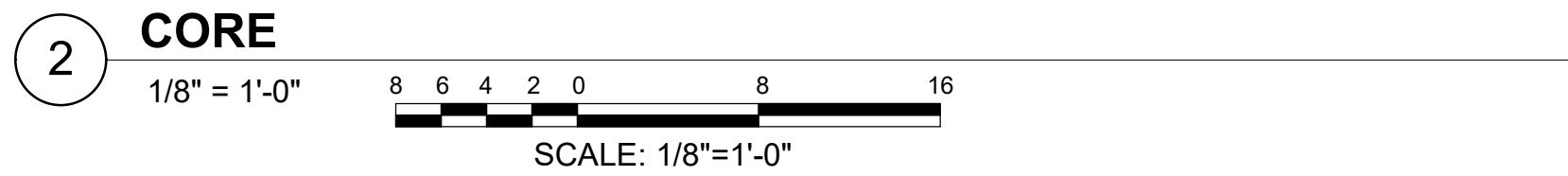
- INSTALL NEW INTERMEDIATE TEMPERATURE SPRINKLER IN THE ELEVATOR PIT. CONNECT TO THE NEAREST MAIN.
- PROVIDE HEAT DETECTOR WITHIN TWO FEET OF SPRINKLER LOCATED IN ELEVATOR PIT. HEAT DETECTOR SHALL BE LOWER TEMPERATURE THAN THE SPRINKLER HEAD, AND SHALL BE ACCESSIBLE FOR TESTING. FIELD COORDINATE FINAL LOCATION WITH THE SPRINKLER CONTRACTOR.



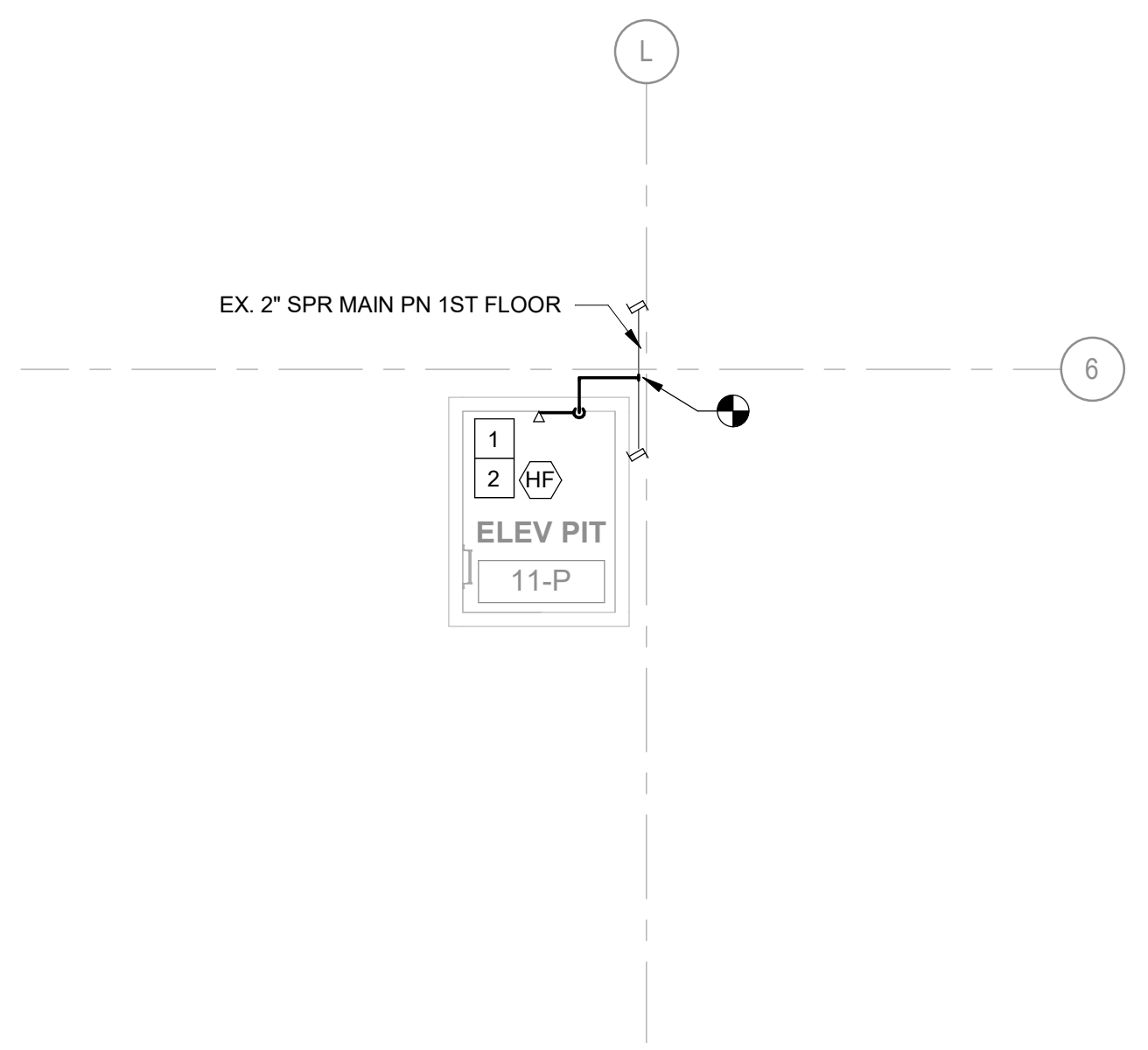
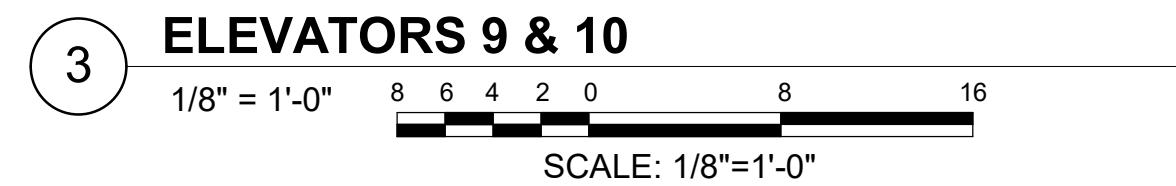
ELEVATOR PIT NEW WORK PLAN - NORTH CORE



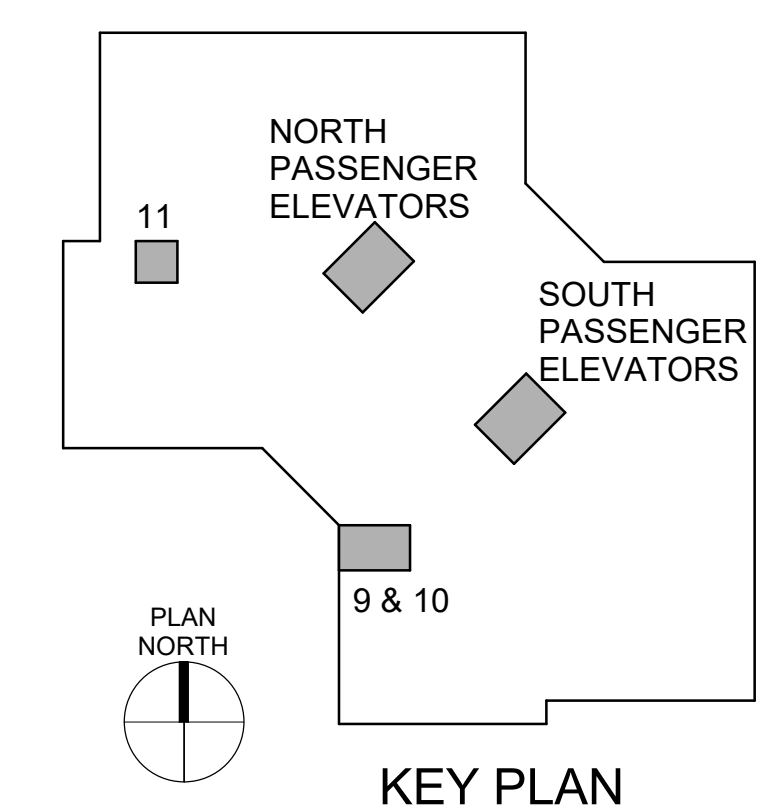
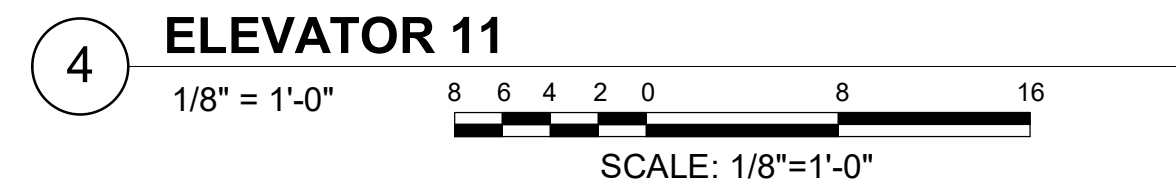
ELEVATOR PIT NEW WORK PLAN - SOUTH CORE



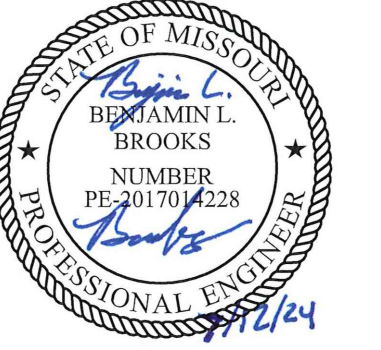
ELEVATOR PIT NEW WORK PLAN - ELEVATORS 9 & 10



ELEVATOR PIT NEW WORK PLAN - ELEVATOR 11



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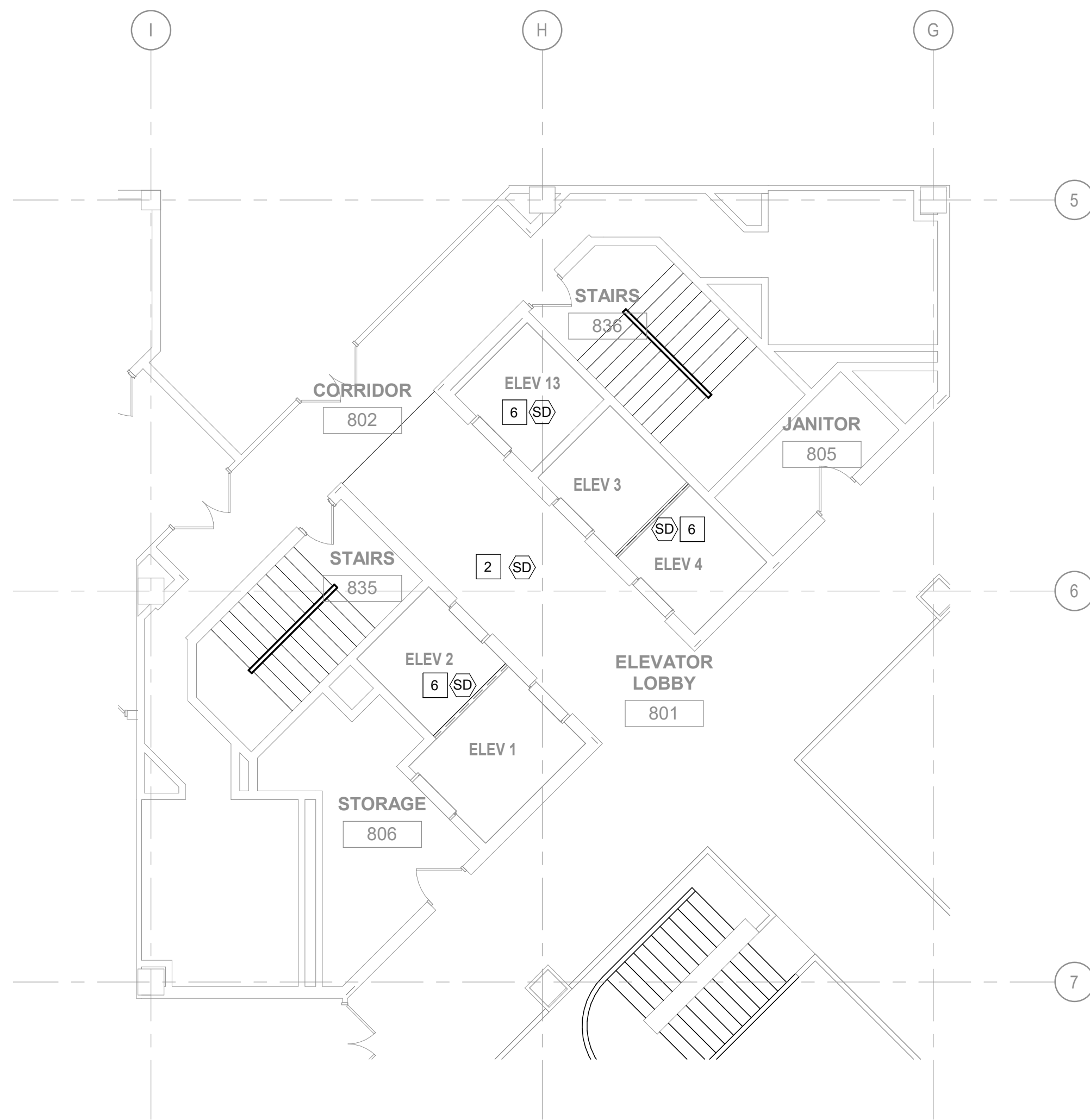
SHEET TITLE:
**FIRE PROTECTION
HOISTWAY AND
MECH - NEW WORK**

SHEET NUMBER:

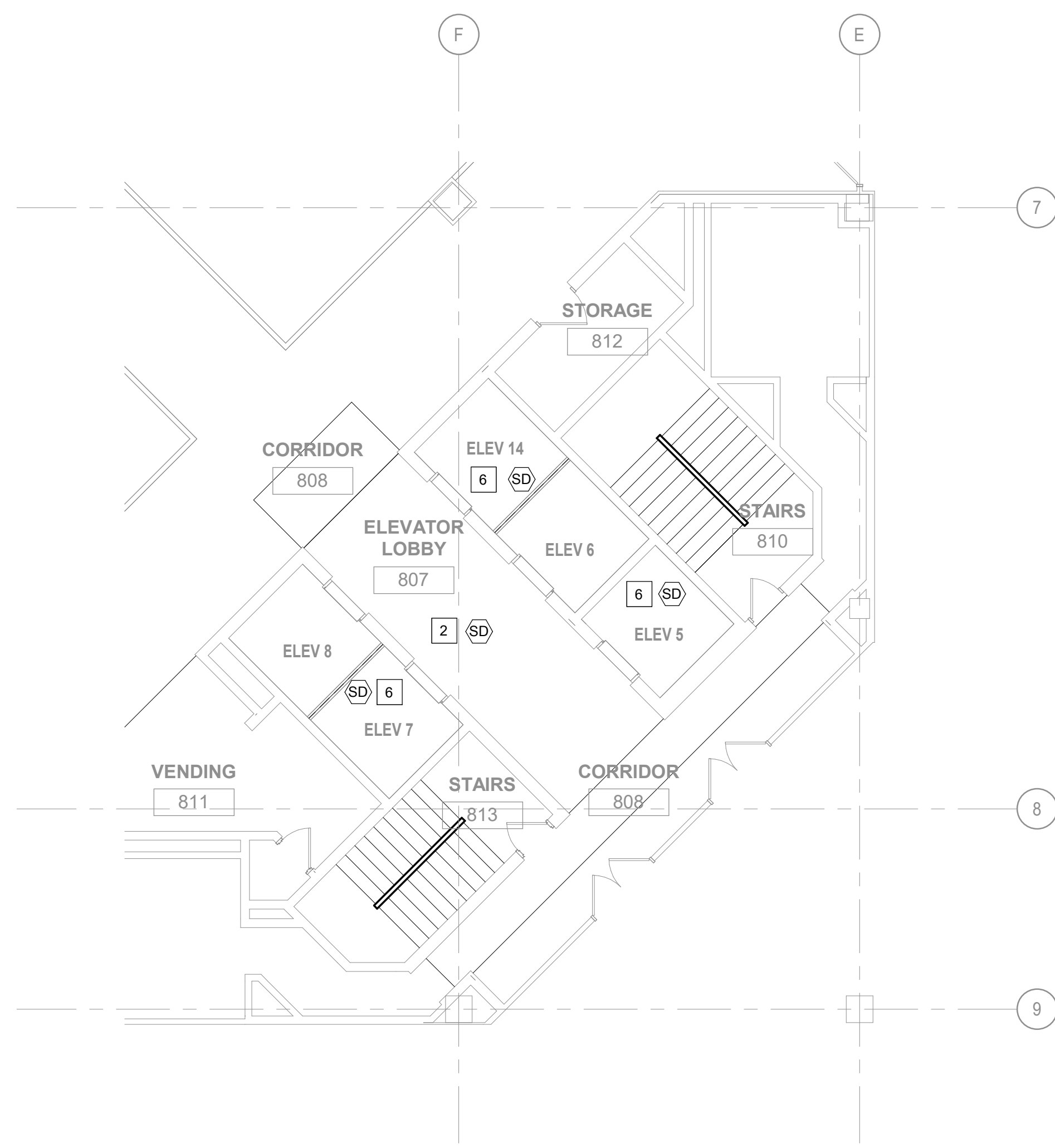
F-105

SHEET NO. 29 OF 56
2024-07-12

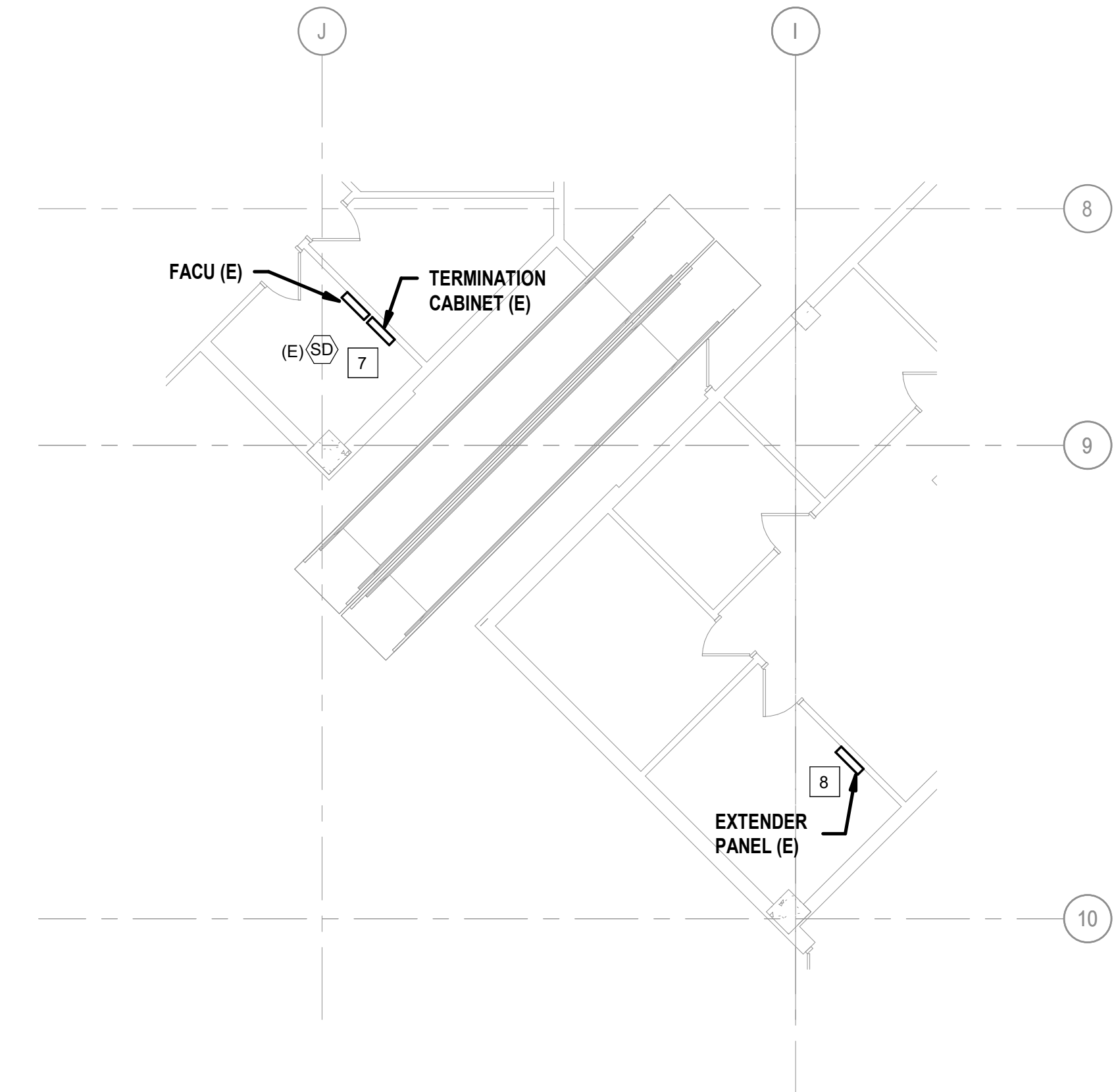
- | # | SHEET KEYNOTES |
|----|--|
| 1. | PROVIDE HEAT DETECTOR WITHIN TWO FEET OF SPRINKLER. HEAT DETECTOR SHALL BE LOWER TEMPERATURE THAN THE SPRINKLER HEAD. FIELD COORDINATE FINAL LOCATION WITH THE SPRINKLER CONTRACTOR. |
| 2. | PROVIDE SMOKE DETECTOR IN THE ELEVATOR LOBBY TO PERFORM ELEVATOR RECALL. TYPICAL FOR ALL FLOORS. |
| 3. | REPLACE EXISTING SPRINKLER WITH NEW INTERMEDIATE TEMPERATURE SPRINKLER IN THE ELEVATOR EQUIPMENT ROOM. PROVIDE PROTECTIVE CAGE. |
| 4. | INSTALL RELAYS AND MODULE FOR ELEVATOR RECALL. REFER TO SEQUENCE OF OPERATIONS ON F-002. |
| 5. | INSTALL NEW INTERMEDIATE TEMPERATURE SPRINKLER IN THE ELEVATOR EQUIPMENT ROOM. CONNECT TO THE NEAREST SPRINKLER MAIN. |
| 6. | INSTALL SMOKE DETECTOR AT THE TOP OF THE HOISTWAY TO ACTIVATE SMOKE DAMPER AT THE TOP OF HOISTWAY. |
| 7. | NORTH SIDE ELEVATORS SHALL COMMUNICATE WITH THIS TERMINAL CABINET. COORDINATE CONDUIT AND WIRING SO THAT NEW CONDUIT AND WIRING CAN USE THE SAME KNOCKOUT LOCATIONS. |
| 8. | SOUTH SIDE ELEVATORS SHALL COMMUNICATE WITH THIS EXTENDER PANEL. COORDINATE CONDUIT AND WIRING SO THAT NEW CONDUIT AND WIRING CAN USE THE SAME KNOCKOUT LOCATIONS. |



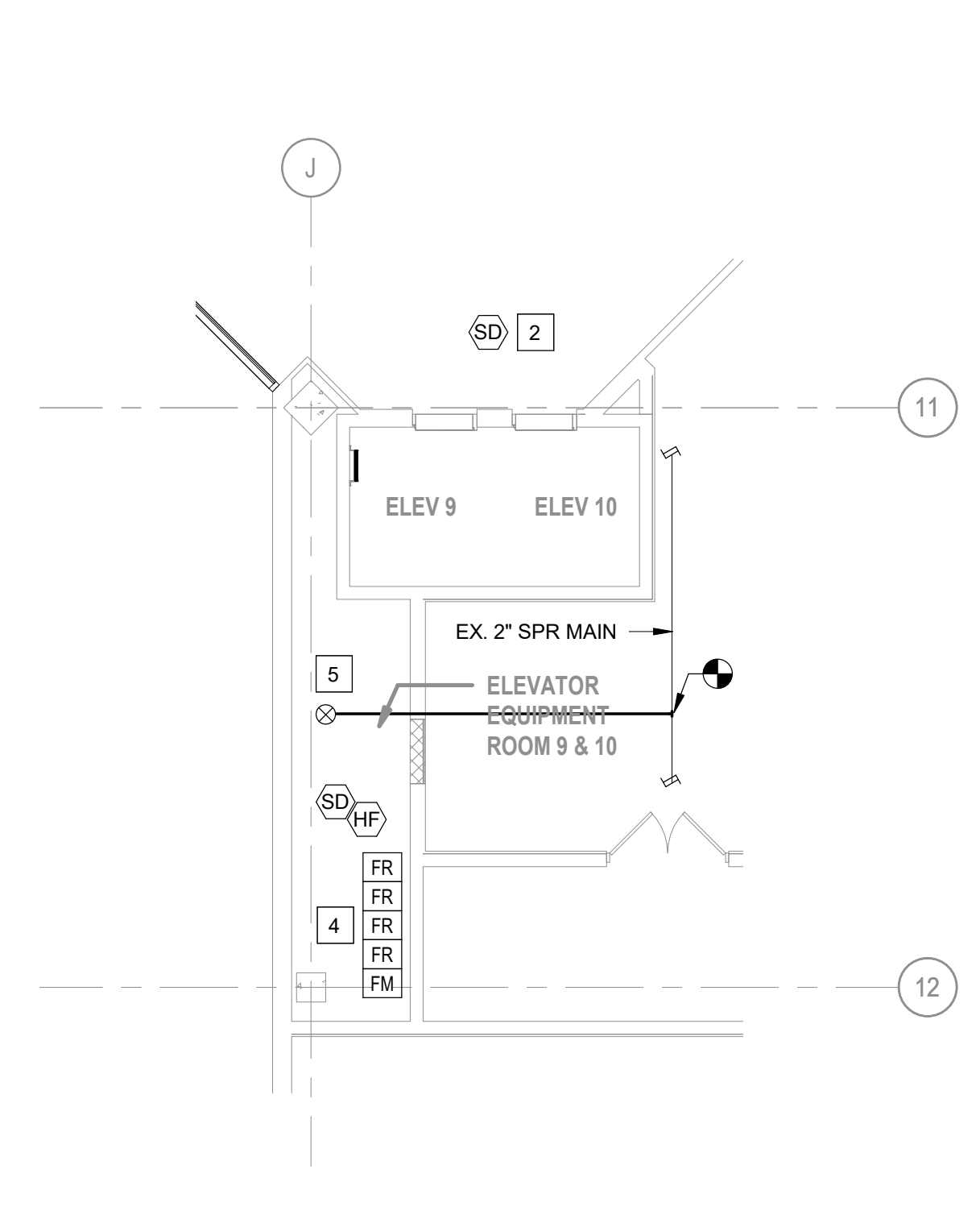
8TH FLOOR NEW WORK PLAN - NORTH CORE



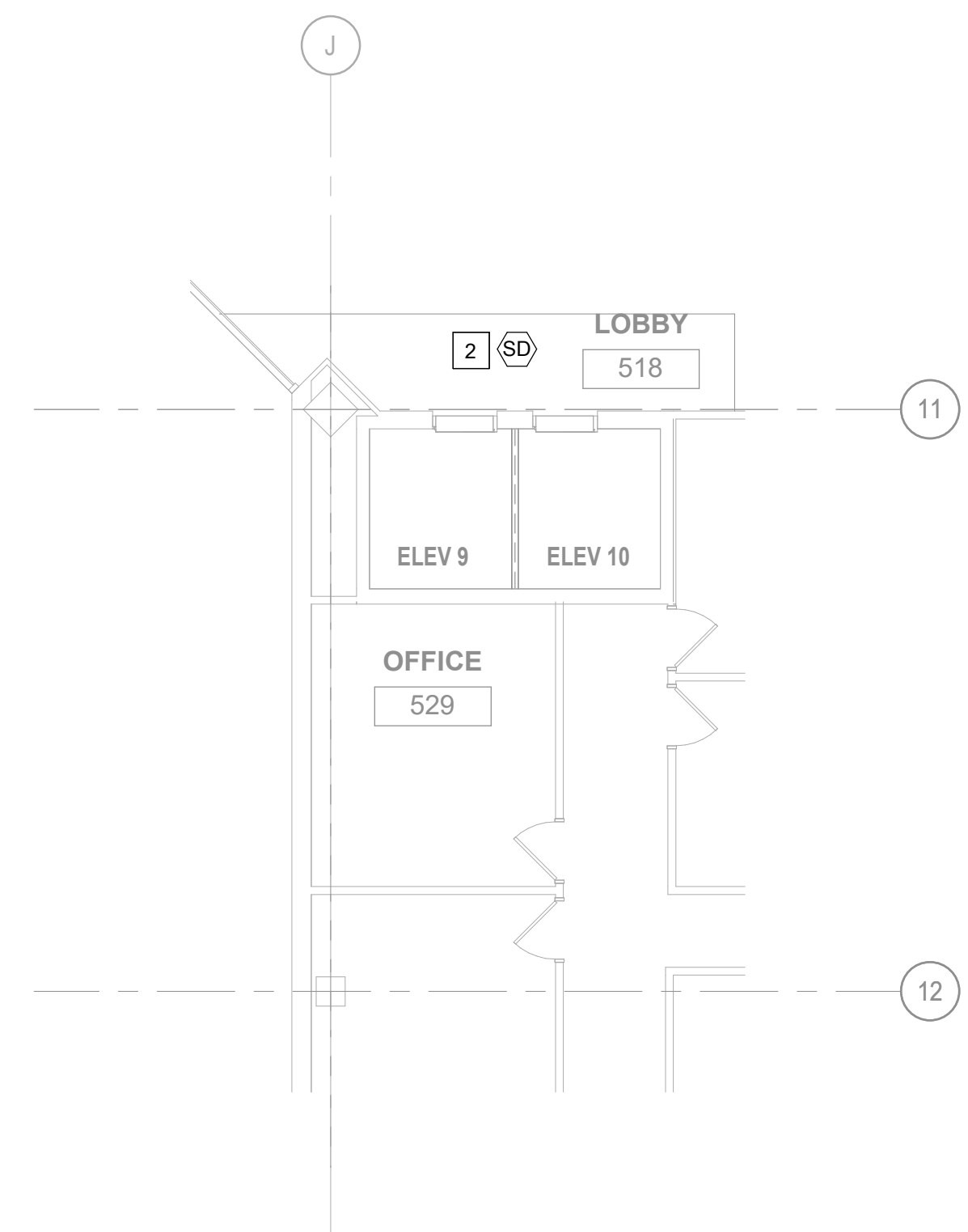
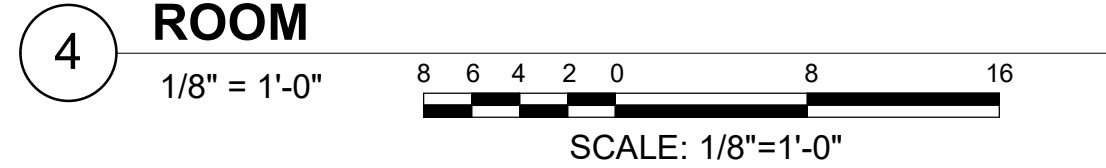
8TH FLOOR NEW WORK PLAN - SOUTH CORE



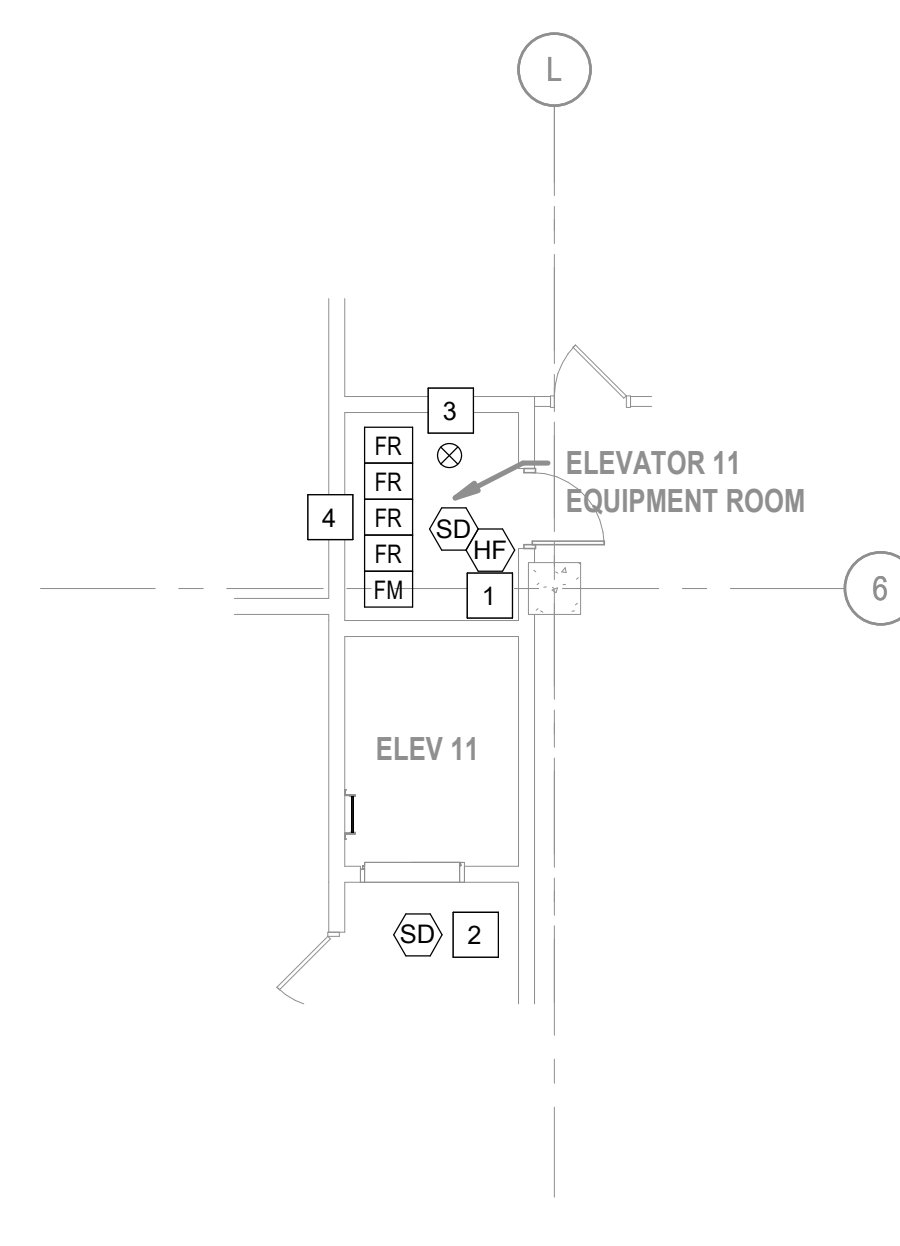
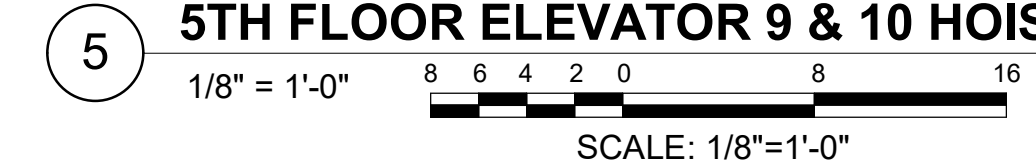
1ST FLOOR FACU



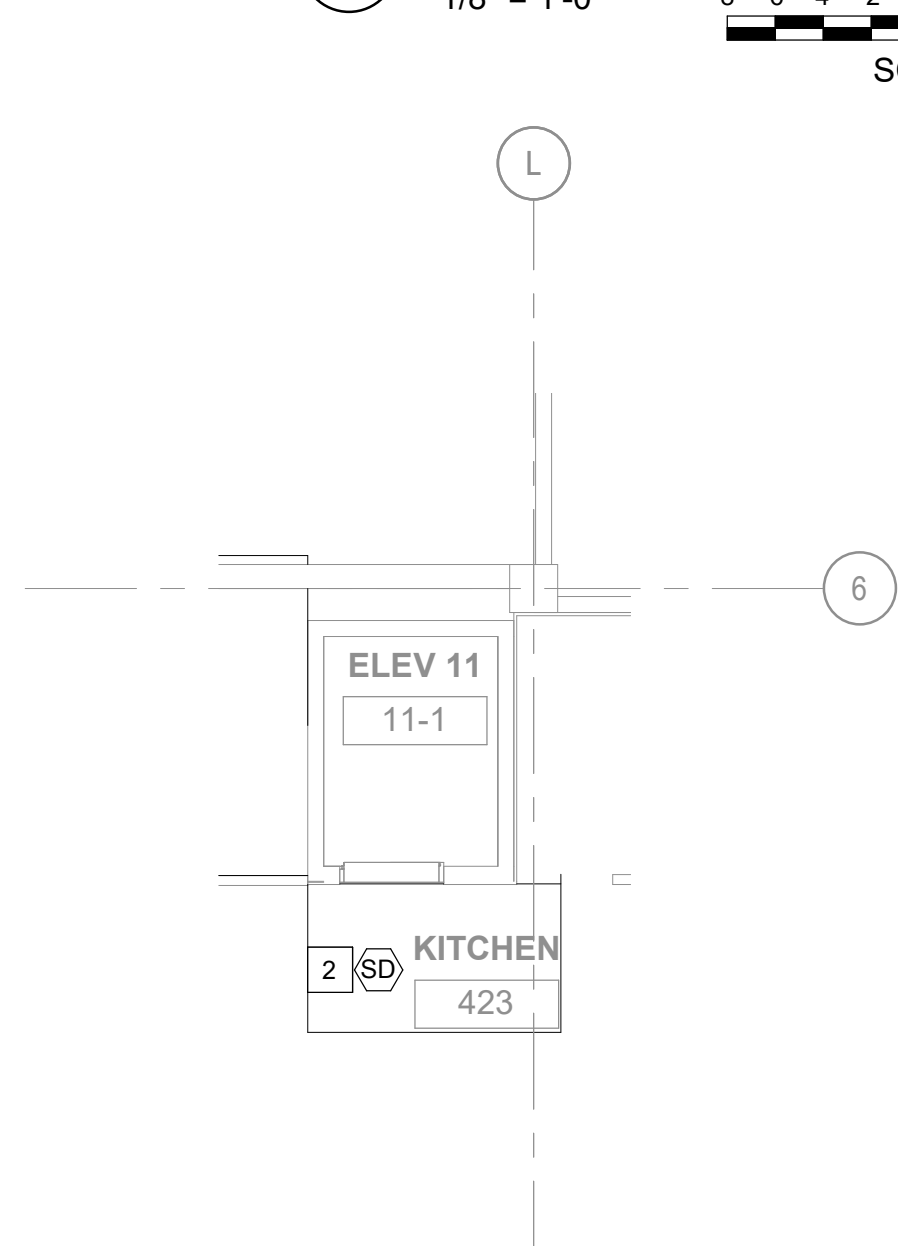
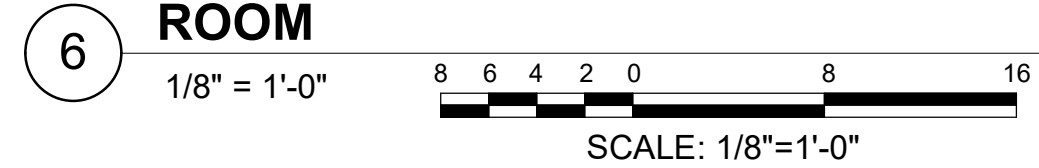
1ST FLOOR ELEVATOR 9 & 10 EQUIPMENT ROOM



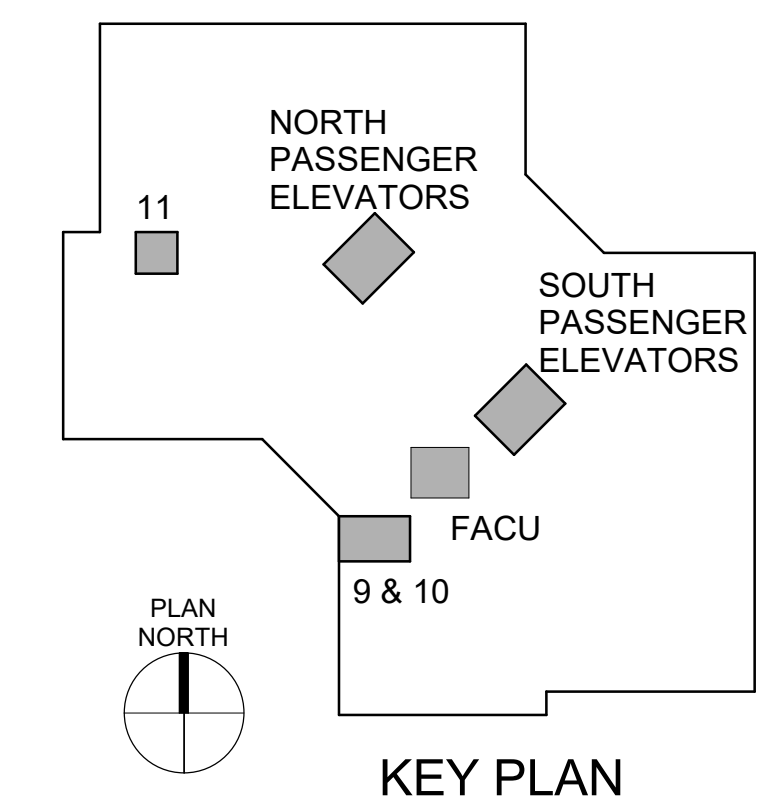
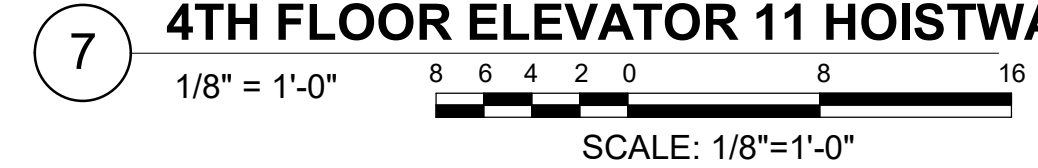
5TH FLOOR ELEVATOR 9 & 10 HOISTWAY



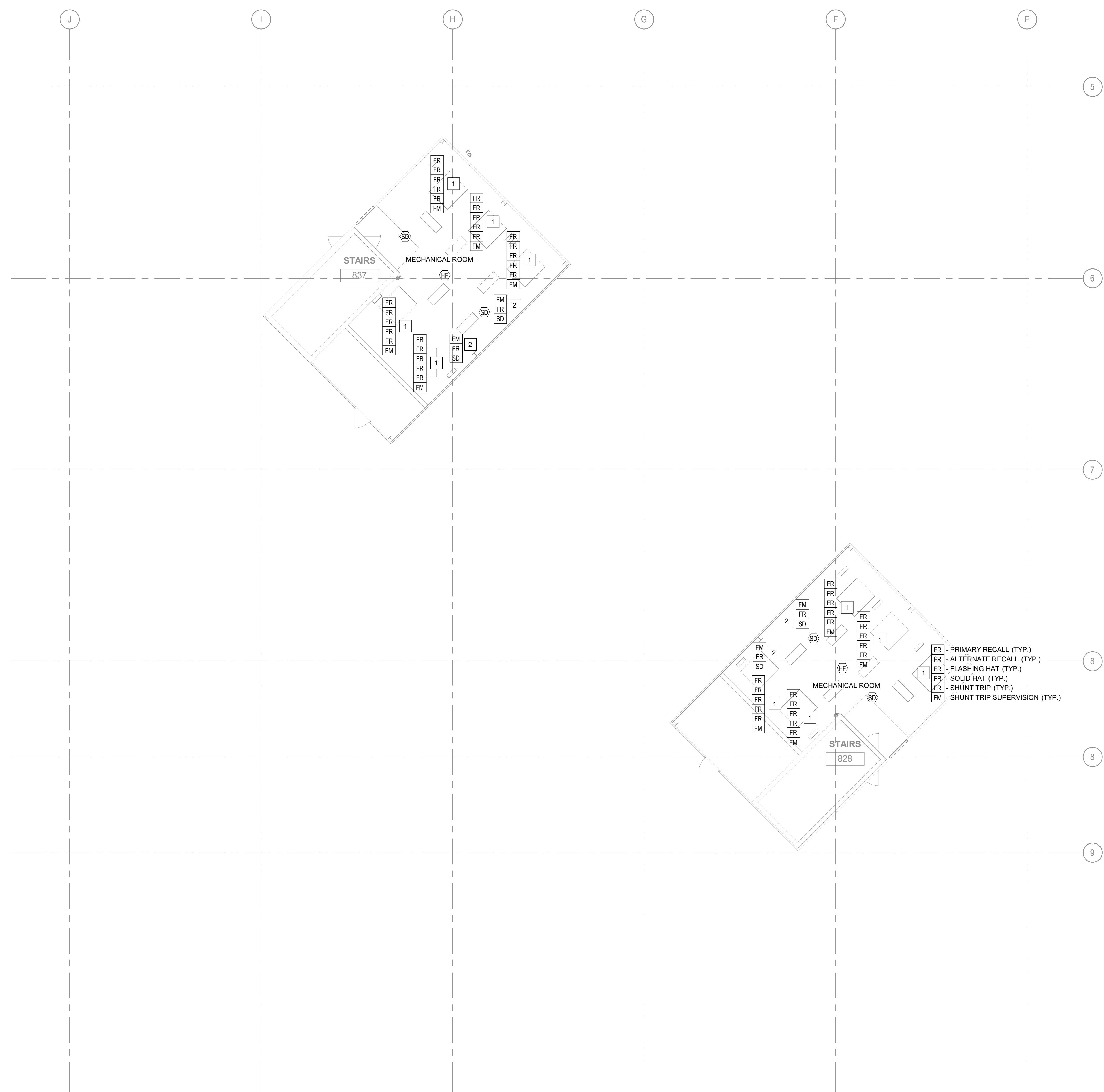
1ST FLOOR ELEVATOR 11 EQUIPMENT ROOM



4TH FLOOR ELEVATOR 11 HOISTWAY



KEY PLAN



#	SHEET KEYNOTES
1.	INSTALL SUPERVISORY AND RELAY MODULES FOR ELEVATOR RECALL. REFER TO SEQUENCE OF OPERATIONS ON F-002.
2.	INSTALL SUPERVISORY AND RELAY MODULES FOR NEW DAMPER ACTUATOR. REFER TO M-101.

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ST. LOUIS, MO 63119
T: 314.918.8383
F: 314.918.1766
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MISSOURI STATE CERTIFICATE
OF AUTHORITY #000148

ELEVATOR
CONSULTANT



600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
(636) 861-2722

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
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DATE: _____
ISSUE DATE: 2024-07-12

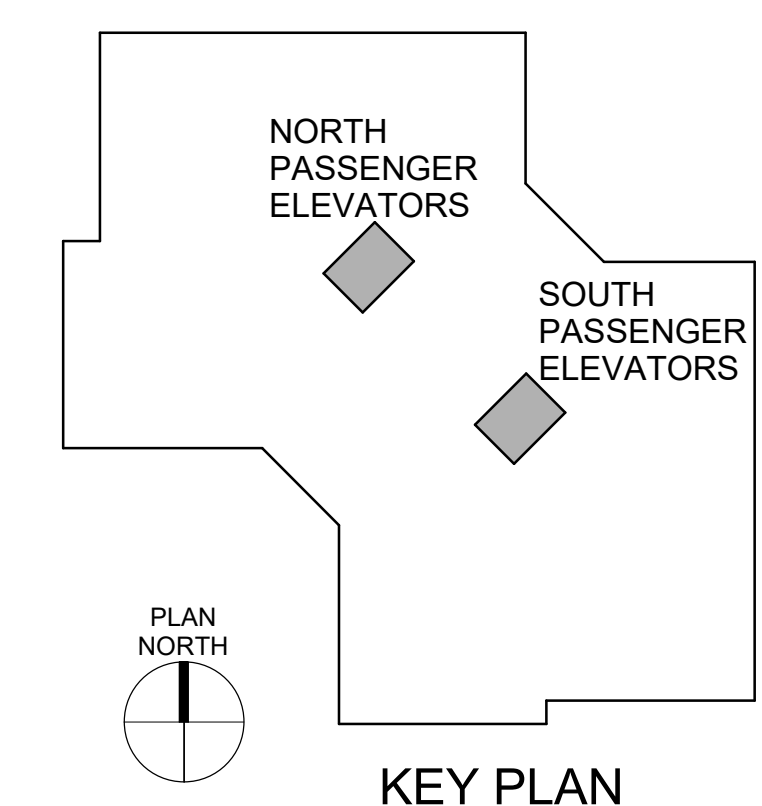
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DRAWN BY: AIK
CHECKED BY: RF
DESIGNED BY: RF

SHEET TITLE:
**FIRE PROTECTION
PENTHOUSE NEW
WORK**

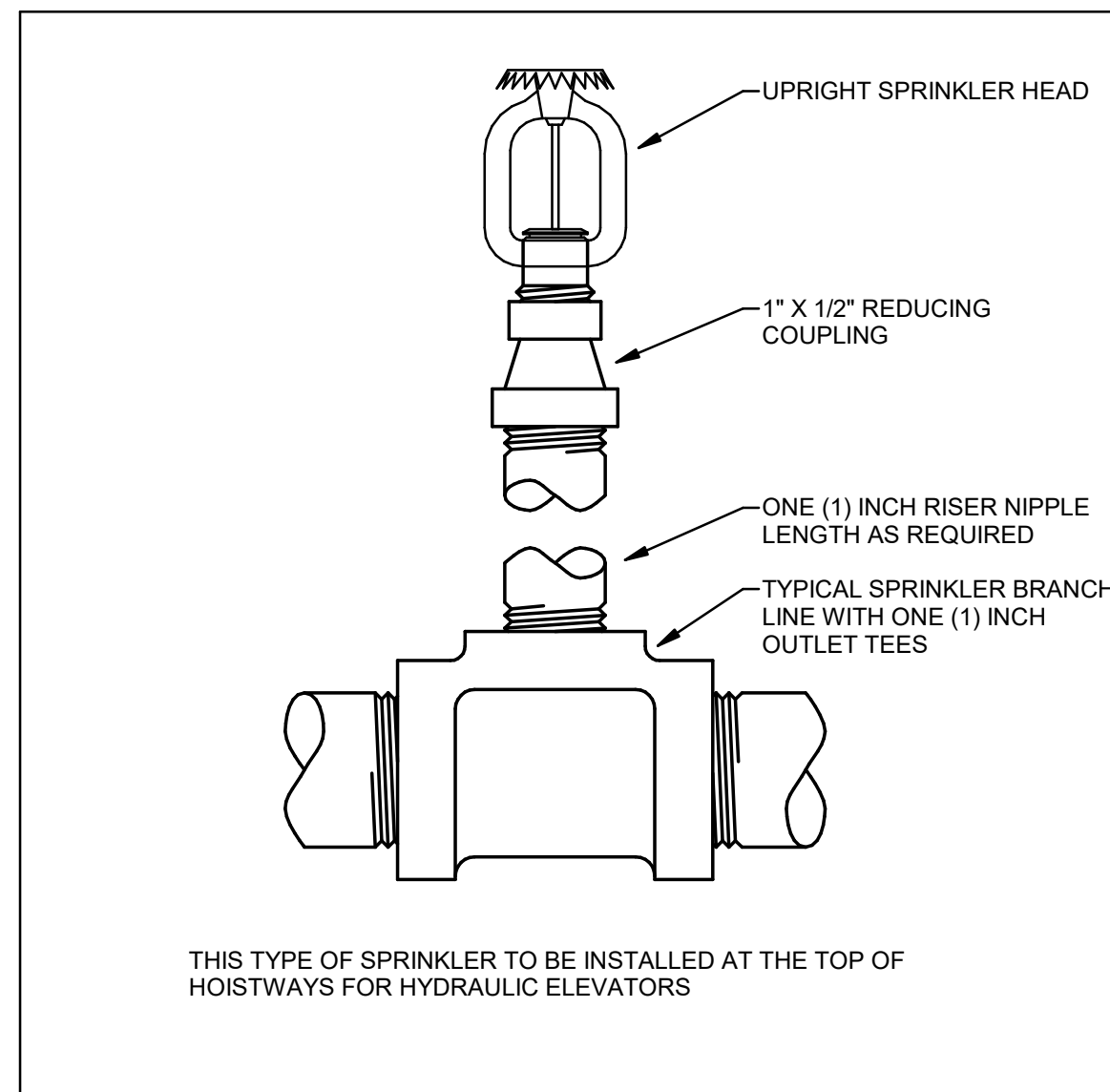
SHEET NUMBER:

F-106

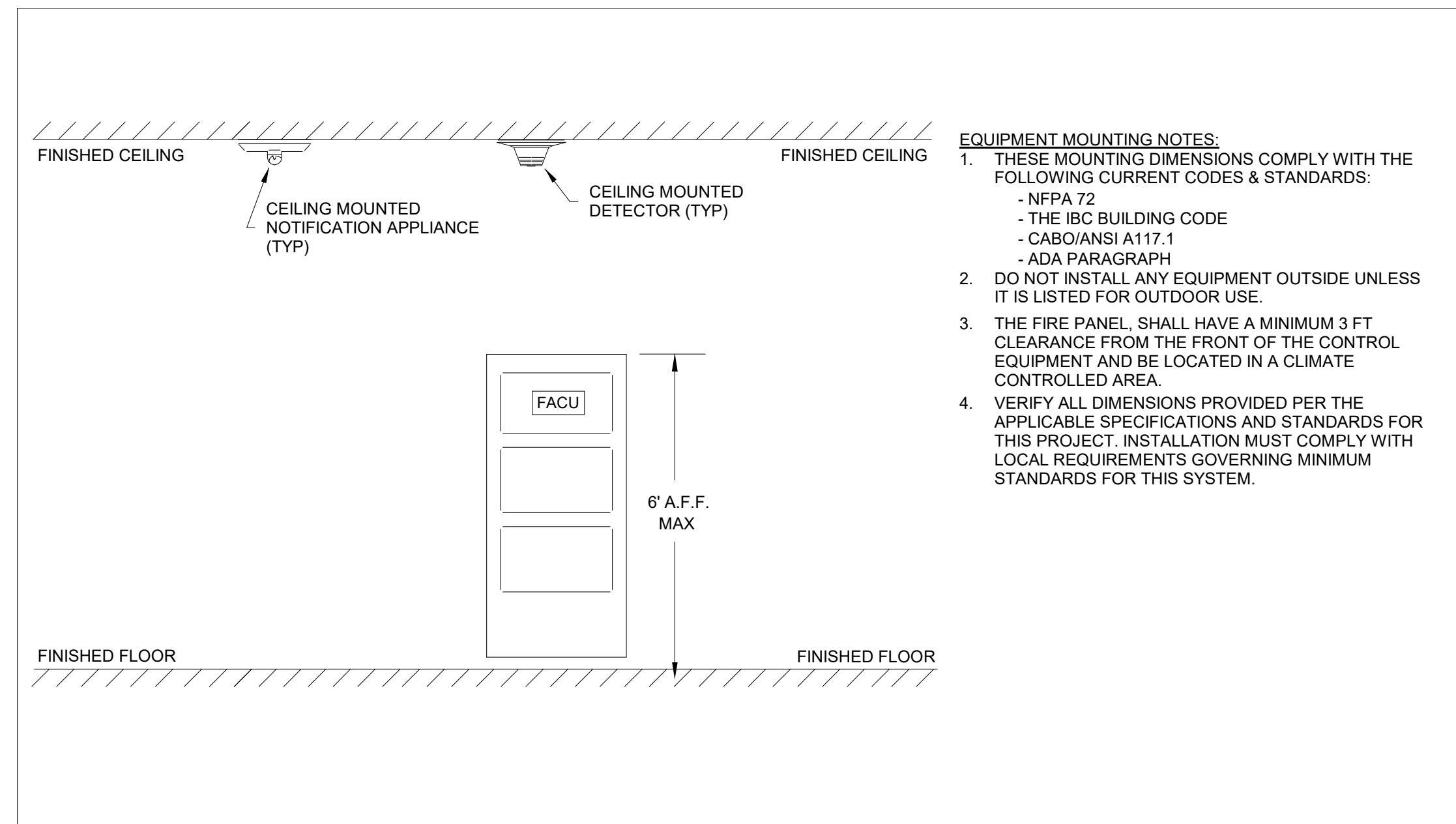
SHEET NO. 30 OF 56
2024-07-12



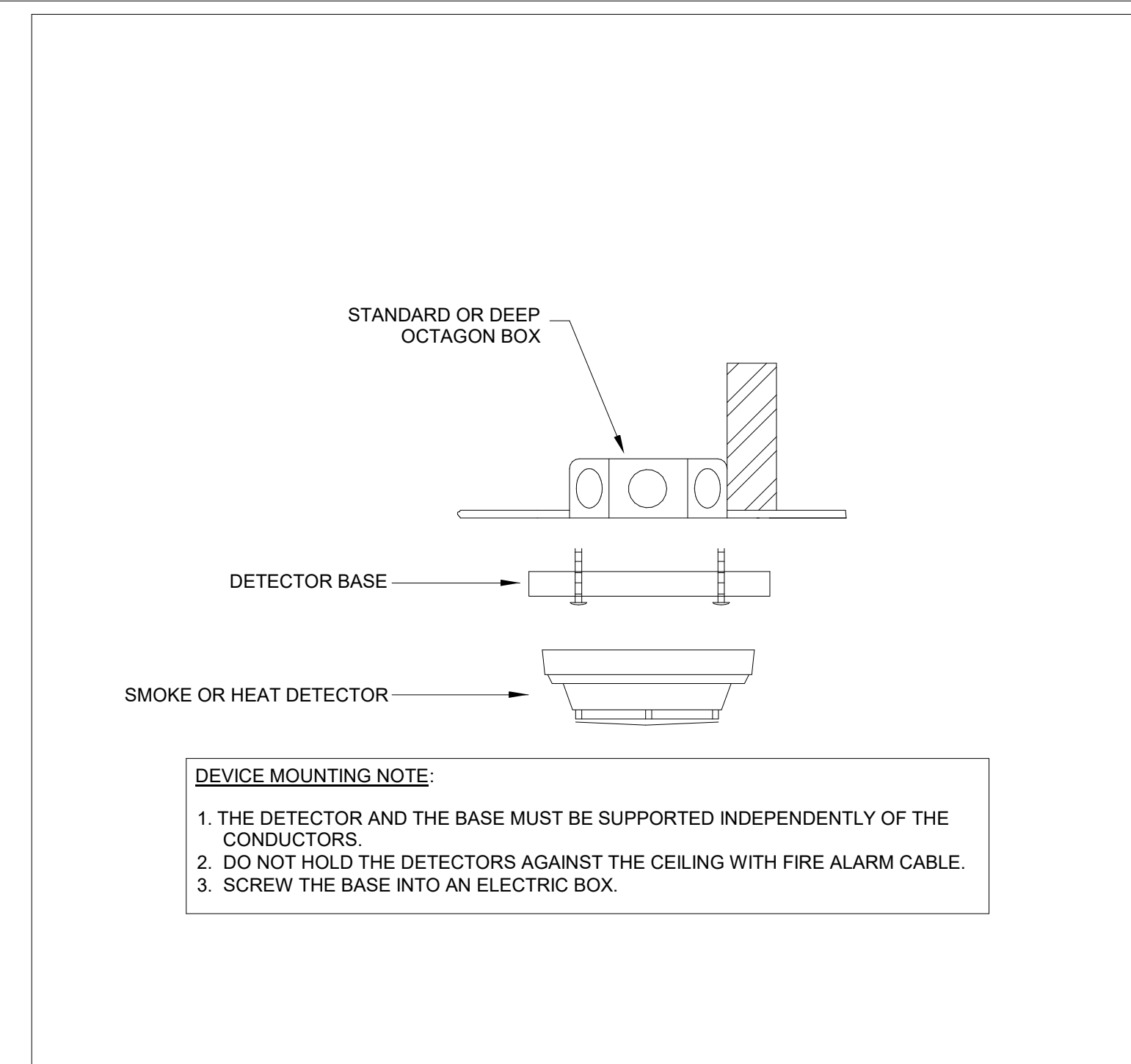
1 ELEVATOR PENTHOUSE NEW WORK PLAN
1/8" = 1'-0"
SCALE: 1/8"=1'-0"



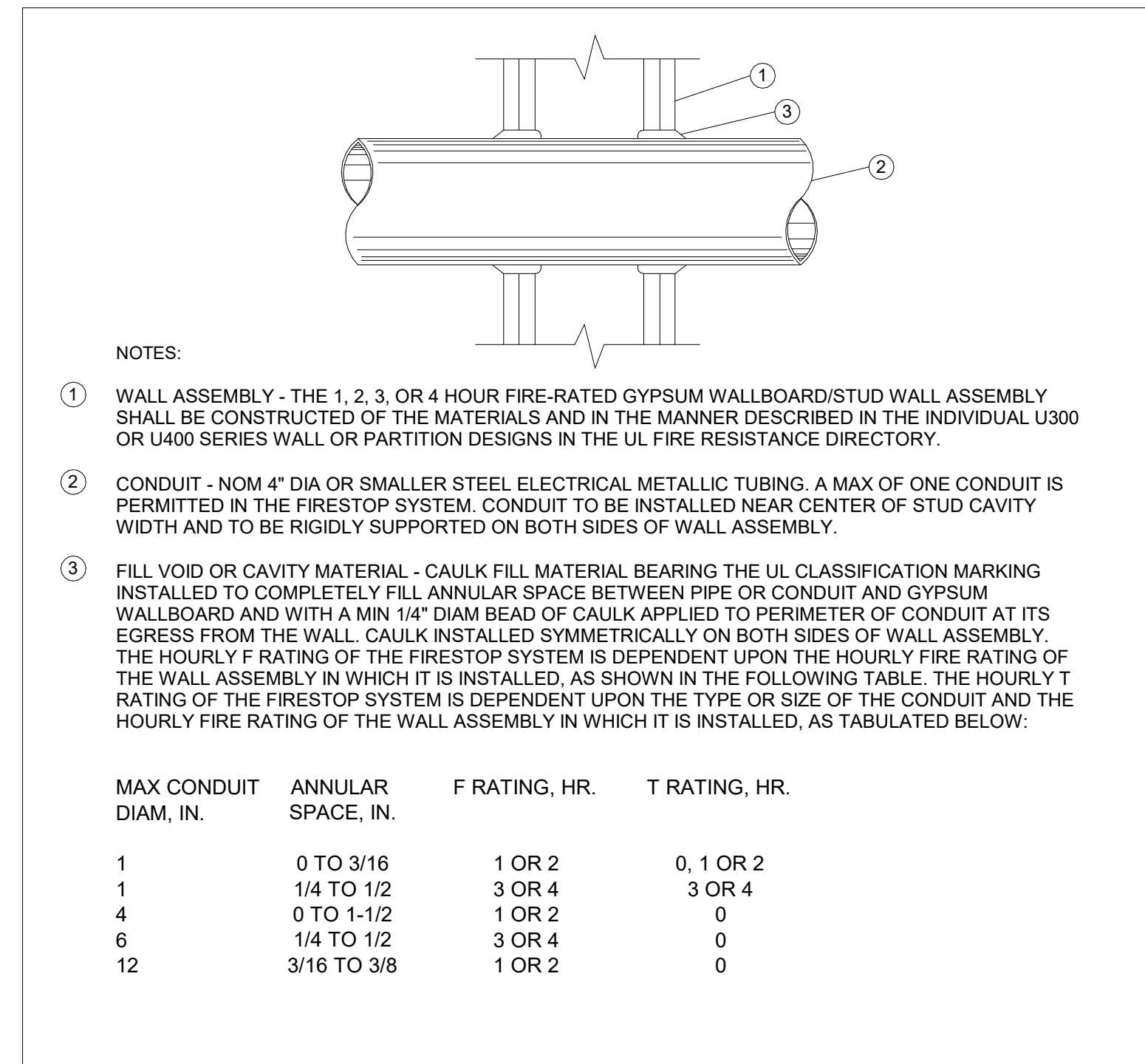
1 UPRIGHT SPRINKLER HEAD
NOT TO SCALE



2 TYPICAL EQUIPMENT MOUNTING HEIGHTS
NOT TO SCALE



3 TYPICAL DRYWALL DETECTOR MOUNTING
NOT TO SCALE



4 CONDUIT PENETRATION THRU FIRE RATED WALL
NOT TO SCALE

- EQUIPMENT MOUNTING NOTES:**
- THESE MOUNTING DIMENSIONS COMPLY WITH THE FOLLOWING CURRENT CODES & STANDARDS:
 - NFPA 72
 - THE IBC BUILDING CODE
 - CABO/ANSI A117.1
 - ADA PARAGRAPH
 - DO NOT INSTALL ANY EQUIPMENT OUTSIDE UNLESS IT IS LISTED FOR OUTDOOR USE.
 - THE FIRE PANEL, SHALL HAVE A MINIMUM 3 FT CLEARANCE FROM THE FRONT OF THE CONTROL EQUIPMENT AND BE LOCATED IN A CLIMATE CONTROLLED AREA.
 - VERIFY ALL DIMENSIONS PROVIDED PER THE APPLICABLE SPECIFICATIONS AND STANDARDS FOR THIS PROJECT. INSTALLATION MUST COMPLY WITH LOCAL REQUIREMENTS GOVERNING MINIMUM STANDARDS FOR THIS SYSTEM.

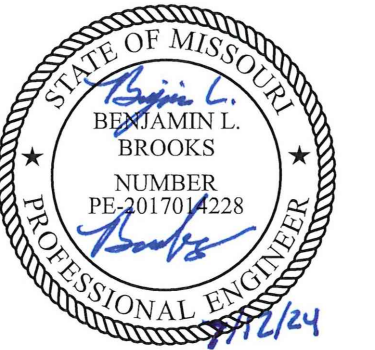
- DEVICE MOUNTING NOTE:**
- THE DETECTOR AND THE BASE MUST BE SUPPORTED INDEPENDENTLY OF THE CONDUCTORS.
 - DO NOT HOLD THE DETECTORS AGAINST THE CEILING WITH FIRE ALARM CABLE.
 - SCREW THE BASE INTO AN ELECTRIC BOX.

NOTES:

- WALL ASSEMBLY - THE 1, 2, 3, OR 4 HOUR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY.
- CONDUIT - NOM 4" DIA OR SMALLER STEEL ELECTRICAL METALLIC TUBING. A MAX OF ONE CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
- FILL VOID OR CAVITY MATERIAL - CAULK FILL MATERIAL BEARING THE UL CLASSIFICATION MARKING INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4" DIAM BEAD OF CAULK APPLIED TO PERIMETER OF CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

MAX CONDUIT DIAM, IN.	ANNULAR SPACE, IN.	F RATING, HR.	T RATING, HR.
1	0 TO 3/16	1 OR 2	0, 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1-1/2	1 OR 2	0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

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SHEET TITLE:
**FIRE PROTECTION
DETAILS**

SHEET NUMBER:

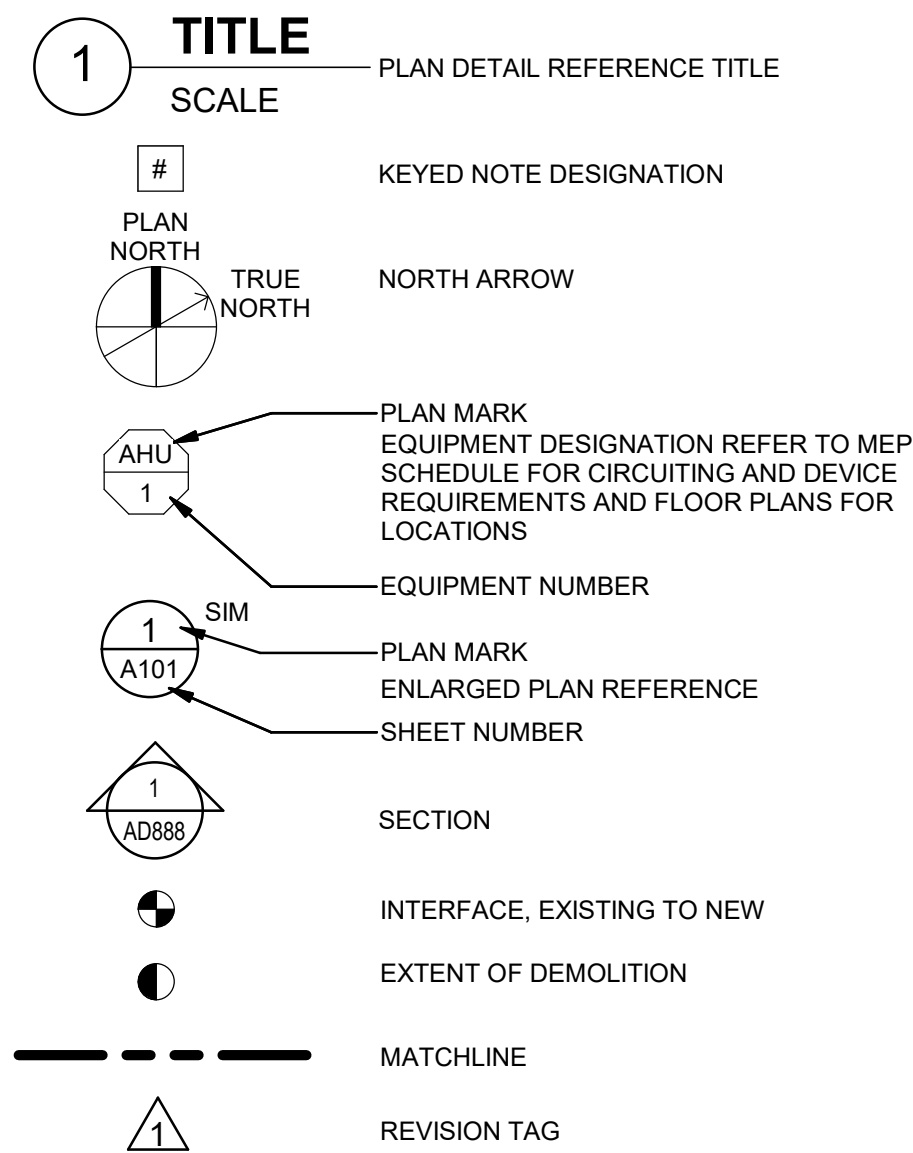
F-501

SHEET NO. 31 OF 56
2024-07-12

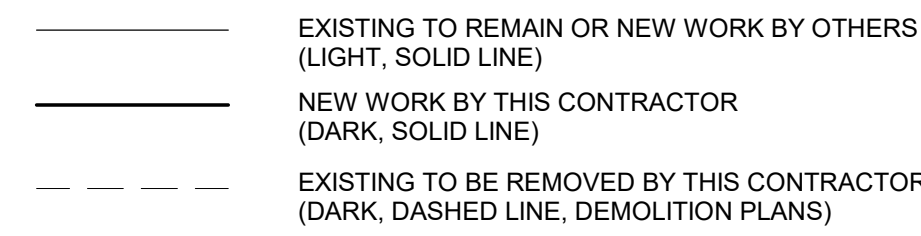
GENERAL NOTES

- DUE TO THE LIMITED SPACE AVAILABLE FOR THE INSTALLATION OF ALL THE PLUMBING WORK, COORDINATION BETWEEN ALL OTHER TRADES IS OF UTMOST IMPORTANCE.
- THIS CONTRACTOR SHALL VISIT THE PROJECT SITE AND VERIFY LOCATIONS, ELEVATIONS AND SIZES OF ALL UTILITIES AT SITE PRIOR TO PROCEEDING WITH WORK. EXISTING SYSTEMS AND STRUCTURE SHALL BE INVESTIGATED FOR BEST POSSIBLE ROUTING OF COLD WATER, HOT WATER, SANITARY WASTE AND VENT, STORM AND MEDICAL LABORATORY GAS PIPING.
- THESE PLANS ARE DIAGRAMMATIC IN NATURE SINCE THE ONLY AVAILABLE INFORMATION HAS BEEN OBTAINED FROM EXISTING PLANS, SPECIFICATIONS, AND FIELD SURVEYS. THE EXACT LOCATION OF PIPING, FIXTURES AND EQUIPMENT MAY DEVIATE FROM THE LOCATION INDICATED ON THESE DRAWINGS. EXTREME ACCURACY IS NOT GUARANTEED. THIS CONTRACTOR SHALL BE PREPARED TO MAKE ALTERATIONS TO NEW AND/OR EXISTING SERVICES TO FIT JOB CONDITIONS. THIS CONTRACTOR SHALL FURNISH A COMPLETE CODE COMPLYING SYSTEM. THIS CONTRACTOR SHALL REPORT, IN WRITING, ANY DISCREPANCIES WHICH PREVENT THE INSTALLATION OF WORK AS SHOWN.
- IF THIS CONTRACTOR DOES NOT CLEARLY UNDERSTAND THESE PLANS OR IS NOT COMPLETELY SURE OF THEIR MEANING, THIS CONTRACTOR SHOULD OBTAIN THE ENGINEER'S WRITTEN EXPLANATION AND/OR INTERPRETATION PRIOR TO SUBMITTING BIDS, SINCE THIS CONTRACTOR WILL BE HELD RIGIDLY TO THE INTERPRETATION OF THE ENGINEER.
- IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO REPAIR THE EXISTING SURFACES TO REMAIN WHERE THEIR WORK HAS BEEN COMPLETED. REPAIR SHALL INCLUDE, BUT NOT LIMITED TO, ANY EXISTING WALL, CEILING OR FLOOR THAT IS SCHEDULED TO REMAIN. REPAIR, PAINTING, AND PATCHING SHALL BE COMPLETED BY AN APPROPRIATE CONTRACTOR QUALIFIED FOR THIS TYPE OF WORK.
- THE OWNER SHALL MAINTAIN ALL SALVAGE RIGHTS OF FIXTURES, EQUIPMENT AND MATERIALS REMOVED, HOWEVER, ALL FIXTURES, EQUIPMENT AND MATERIALS NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE PREMISES AND PROPERLY DISPOSED OF BY THE DEMOLITION CONTRACTOR.
- CEILING REMOVAL, STORAGE AND REPLACEMENT FOR NEW PIPING INSTALLATION SHALL BE BY THE GENERAL CONTRACTOR.
- IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, THE CONTRACTOR WILL NOTIFY BUILDING OWNER OF THE HAZARDOUS MATERIAL.
- TEMPORARY CONNECTION SHALL BE PROVIDED BY RESPECTIVE PLUMBING AND FIRE PROTECTION CONTRACTORS WHEN EXTENDED INTERRUPTIONS OF SERVICES AND UTILITIES SUCH AS WATER, WASTE AND FIRE PROTECTION WHICH SERVE OTHER AREAS ARE NECESSARY.
- COORDINATE WITH MAINTENANCE PERSONNEL AS TO SOURCE OF UTILITIES AND TEMPORARILY DISCONNECT OR SHUT OFF SERVICES OR UTILITIES AT NEAREST MAIN. TEMPORARY AND ACCESSIBLE ISOLATION VALVES SHALL BE INSTALLED CLOSE TO THIS POINT OF WORK.
- IT IS ESSENTIAL THAT BUILDING OPERATIONS CONTINUE WITH MINIMAL INTERRUPTIONS. IT IS NECESSARY THAT OPERATION OF EXISTING SYSTEMS BE INTERFACED WITH AS LITTLE DISRUPTION AS POSSIBLE EXCEPT IN AREAS VACATED FOR CONSTRUCTION WORK. WORK WHICH WILL INTERFERE WITH OPERATION OF EXISTING FIRE SUPPRESSION AND PLUMBING SYSTEMS OR WHICH REQUIRE DOWNTIME WILL BE SCHEDULED ONLY AFTER CONSULTATION WITH AND PERMISSION GIVEN BY THE OWNER. ALLOW 10 DAYS PRIOR TO ANTICIPATED INTERRUPTION OF SYSTEMS. WORK MAY BE REQUIRED TO BE PERFORMED OUTSIDE NORMAL WORKING HOURS.
- ARCHITECTURAL DEMOLITION DRAWINGS AND SPECIFICATIONS SHALL BE READ IN CONJUNCTION WITH THESE DRAWINGS.
- ALL PIPING HANGERS AND SUPPORTS SHALL BE REMOVED ALONG WITH PIPING BEING REMOVED.
- THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH PROJECT'S PHASING SCHEDULE PRIOR TO COMMENCEMENT OF ANY WORK.
- WHEN PLACING NEW PLUMBING FIXTURES, CONTRACTOR SHALL VERIFY LOCATIONS OF PLUMBING VENTS. OFFSET VENTS THAT TERMINATE WITHIN 25 FEET OF HVAC UNITS OUTDOOR AIR INTAKES. CONTRACTOR SHALL FIELD VERIFY PRIOR TO BID WHERE THE INTERFERENCE'S ARE PRICE ACCORDINGLY OR MAKE ALLOWANCES IN BID.
- USE CAUTION WHEN SAW-CUTTING THROUGH EXISTING CONCRETE FLOOR OR WALL CONSTRUCTION FOR THE INSTALLATION OF PLUMBING SYSTEMS TO AVOID CUTTING REBAR AT EDGE OF OPENING. LEAVE SUFFICIENT REBAR EXPOSED TO TIE NEW REINFORCING REPLACEMENT CONCRETE AND/OR OTHER STRUCTURAL ATTACHMENTS FOR NEW CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS, TRANSITIONS, OFFSETS, ETC., TO AVOID DUCTWORK, PIPING, EQUIPMENT OR STRUCTURE NEW OR EXISTING AND TO MAKE A COMPLETE AND FUNCTIONING SYSTEM.

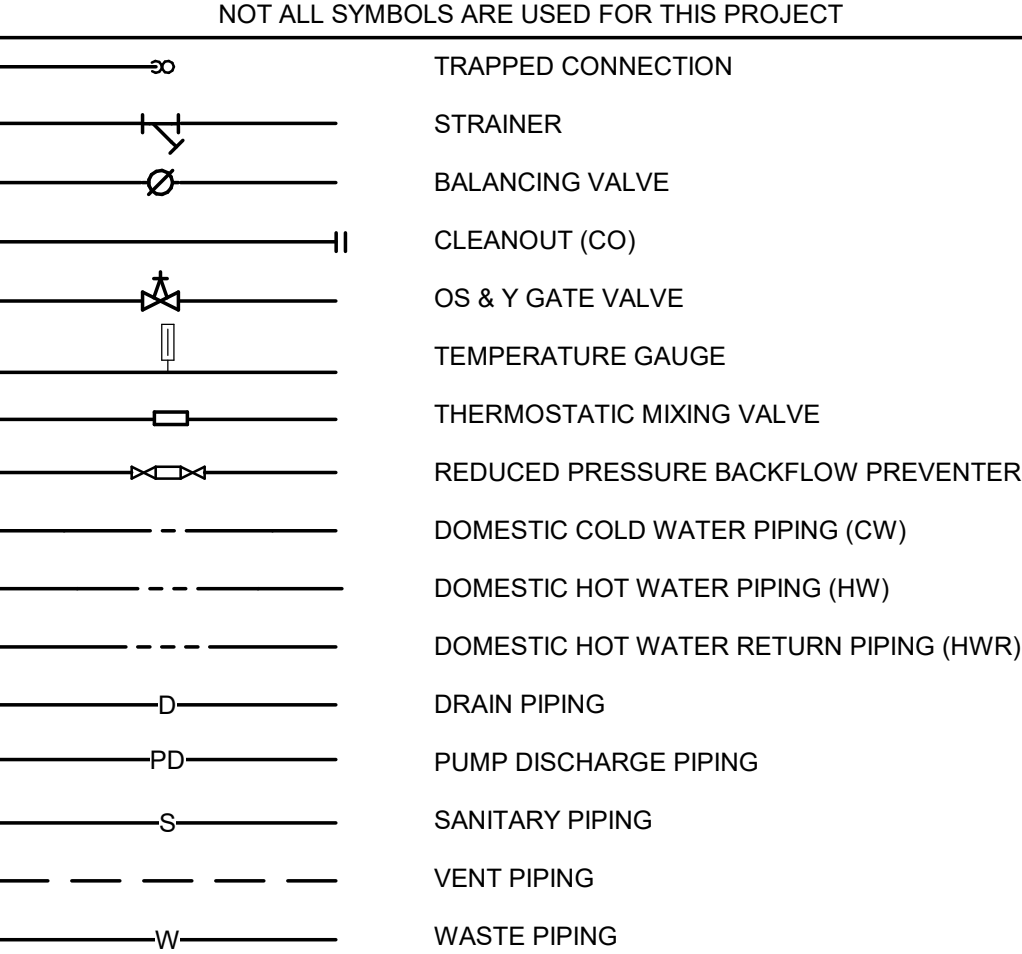
DRAWING REFERENCES



LINE TYPE LEGEND



PLUMBING SYMBOLS & ABBREVIATIONS



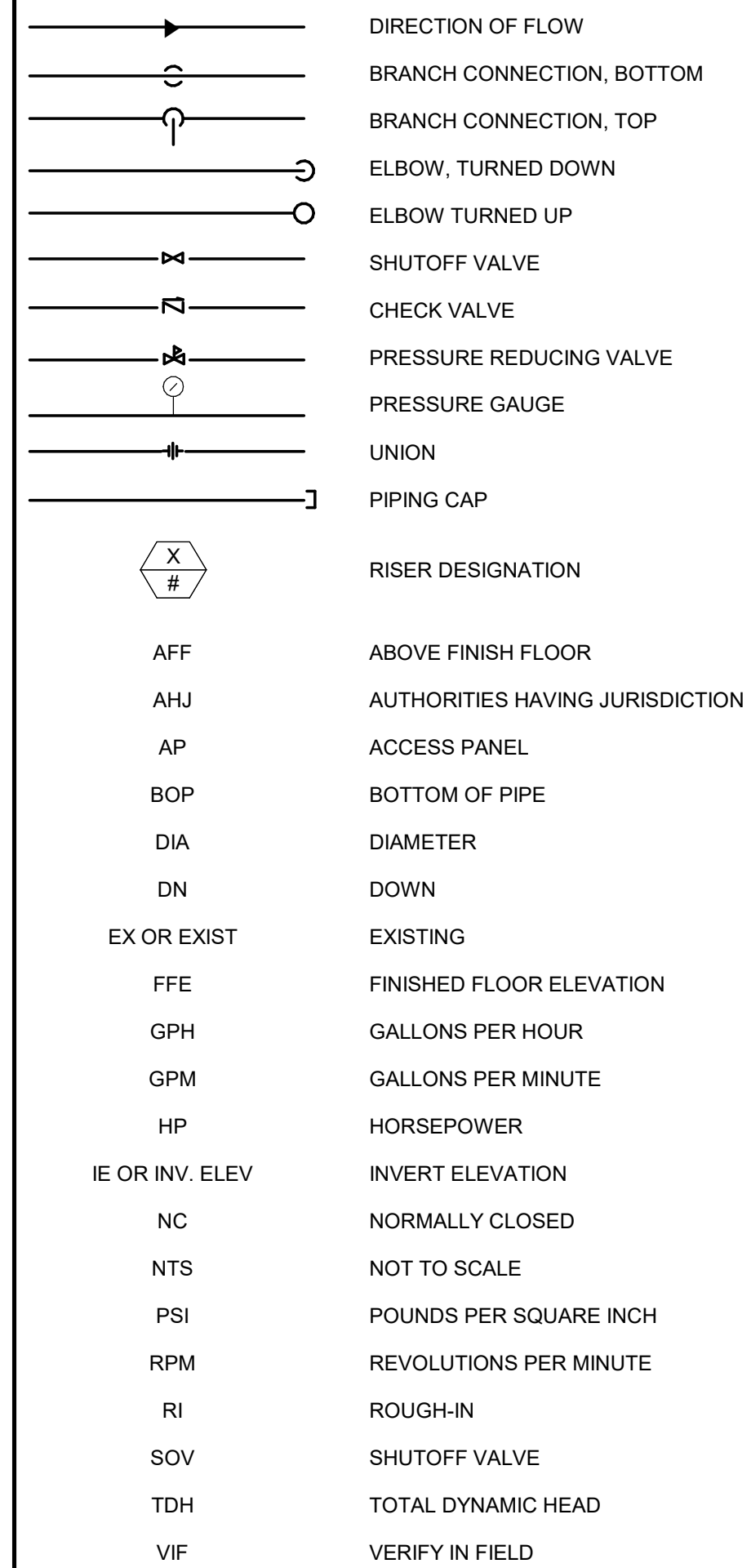
PLUMBING ABBREVIATIONS

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT

ADA	AMERICANS WITH DISABILITIES ACT
A.F.F.	ABOVE FINISH FLOOR
AP	ACCESS PANEL
BTC	BRANCH TO CONNECTION
CI	CAST IRON
CO	CLEANOUT
CW	COLD WATER
DCVA	DOUBLE CHECK VALVE ASSEMBLY
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
F.F.	FINISH FLOOR ELEVATION
FS	FLOOR SINK
GCO	GRADE CLEANOUT
I.E.	INVERT ELEVATION
IW	INDIRECT WASTE
NIC	NOT IN CONTRACT
RPZ	REDUCED PRESSURE BACKFLOW PREVENTER
S	SANITARY
SOV	SHUT OFF VALVE
SP	SUMP PUMP
S/S	STAINLESS STEEL
SS	SANITARY STACK
TP	TRAP PRIMER
V	VENT
VIV	VALVE IN VERTICAL
VB	VACUUM BREAKER
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WS	WASTE STACK
WSV	WASTE STACK VENT

COMMON PIPING SYMBOLS & ABBREVIATIONS

NOT ALL SYMBOLS ARE USED FOR THIS PROJECT



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8-28-2024

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DRAWN BY: MAS _____
CHECKED BY: PDZ _____
DESIGNED BY: MAS _____

SHEET TITLE:
**PLUMBING
SYMBOLS &
ABBREVIATIONS**

SHEET NUMBER:

P-001

SHEET NO. 32 OF 56
2024-07-12

GENERAL NOTES

A. PANEL TO NOT BE PLACED IN THE ELEVATOR SHAFT. REFER TO DRAWING FOR PRECISE PANEL LOCATION.

KEYED NOTES

1. CONTRACTOR TO RUN NEW WASTE PIPING AT 1/4" SLOPE PER FOOT IF EXISTING TIE-IN POINT IS DEEP ENOUGH.
2. HUB DRAIN TO BE INSTALLED BELOW RAISED FLOOR. CONTRACTOR TO PROVIDE TRAP GUARD.
3. OFFSET PUMP DISCHARGE ABOVE 6" HUB DRAIN.

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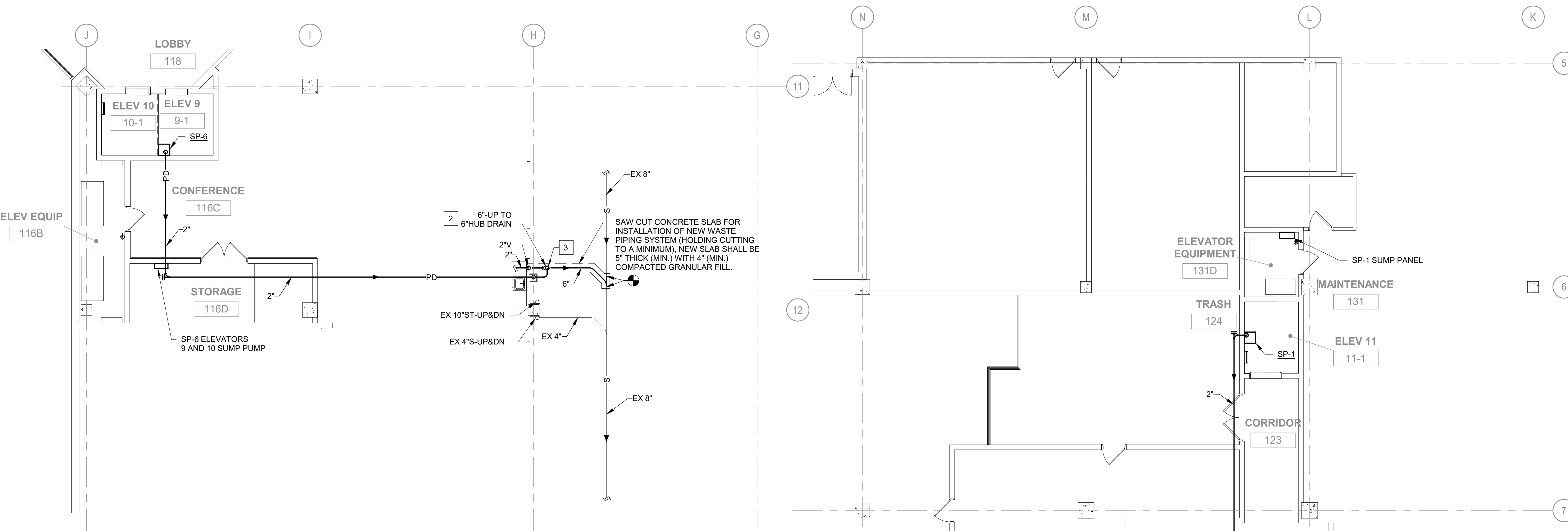
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DRAWN BY: MAS
CHECKED BY: PDZ
DESIGNED BY: MAS

SHEET TITLE:
**PLUMBING
ELEVATOR #9, #10, &
#11 NEW WORK**

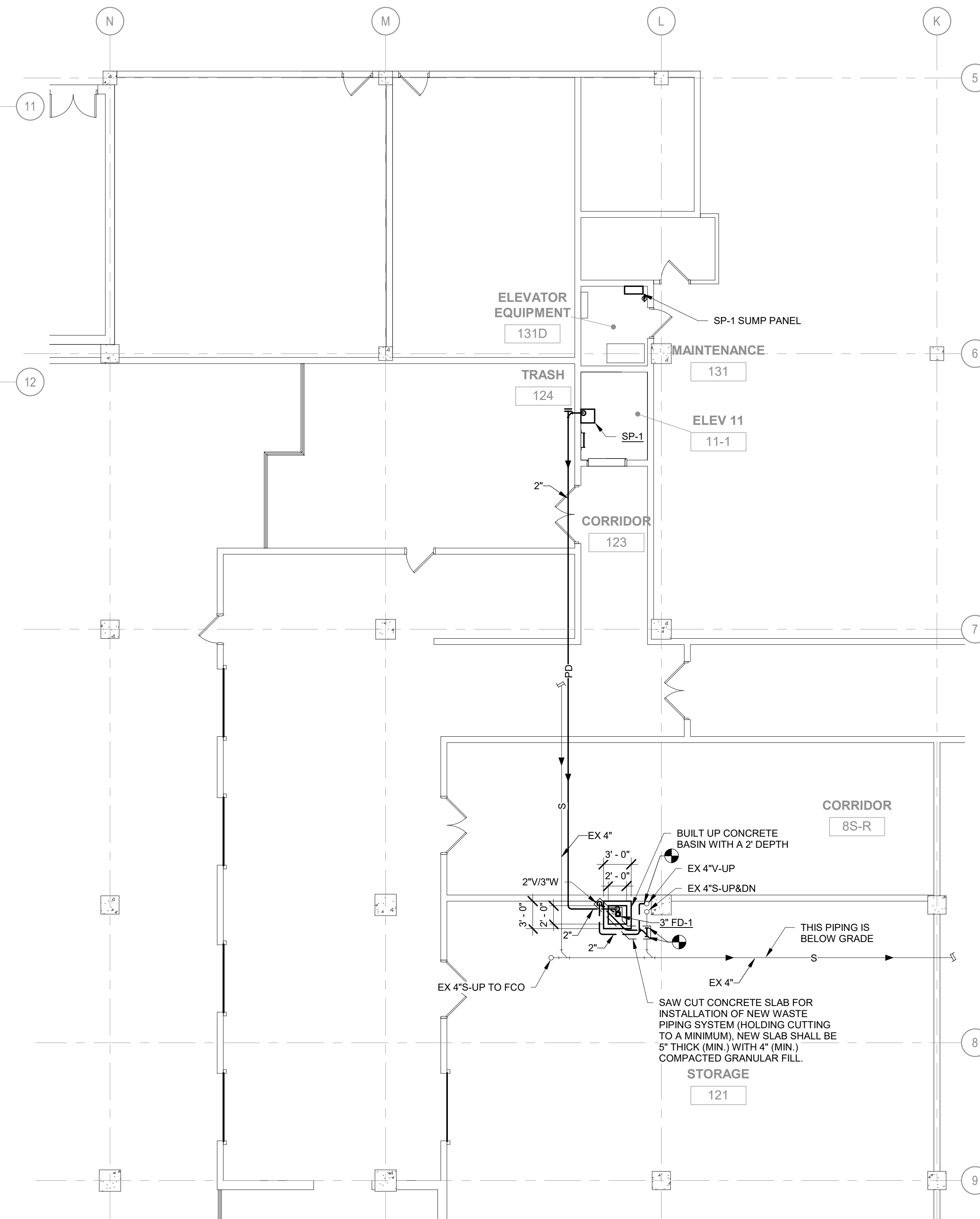
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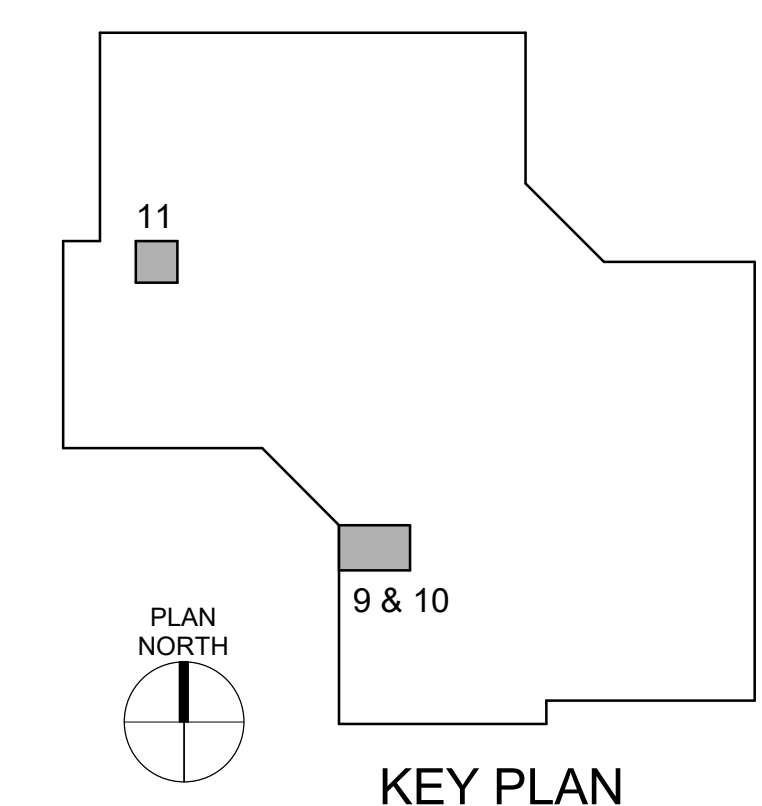
SHEET NO. 33 OF 56
2024-07-12



1 PLUMBING ELEVATORS 9 & 10 - 1ST FLOOR NEW WORK
1/8" = 1'-0"



2 PLUMBING ELEVATOR #11 - 1ST FLOOR NEW WORK
1/8" = 1'-0"



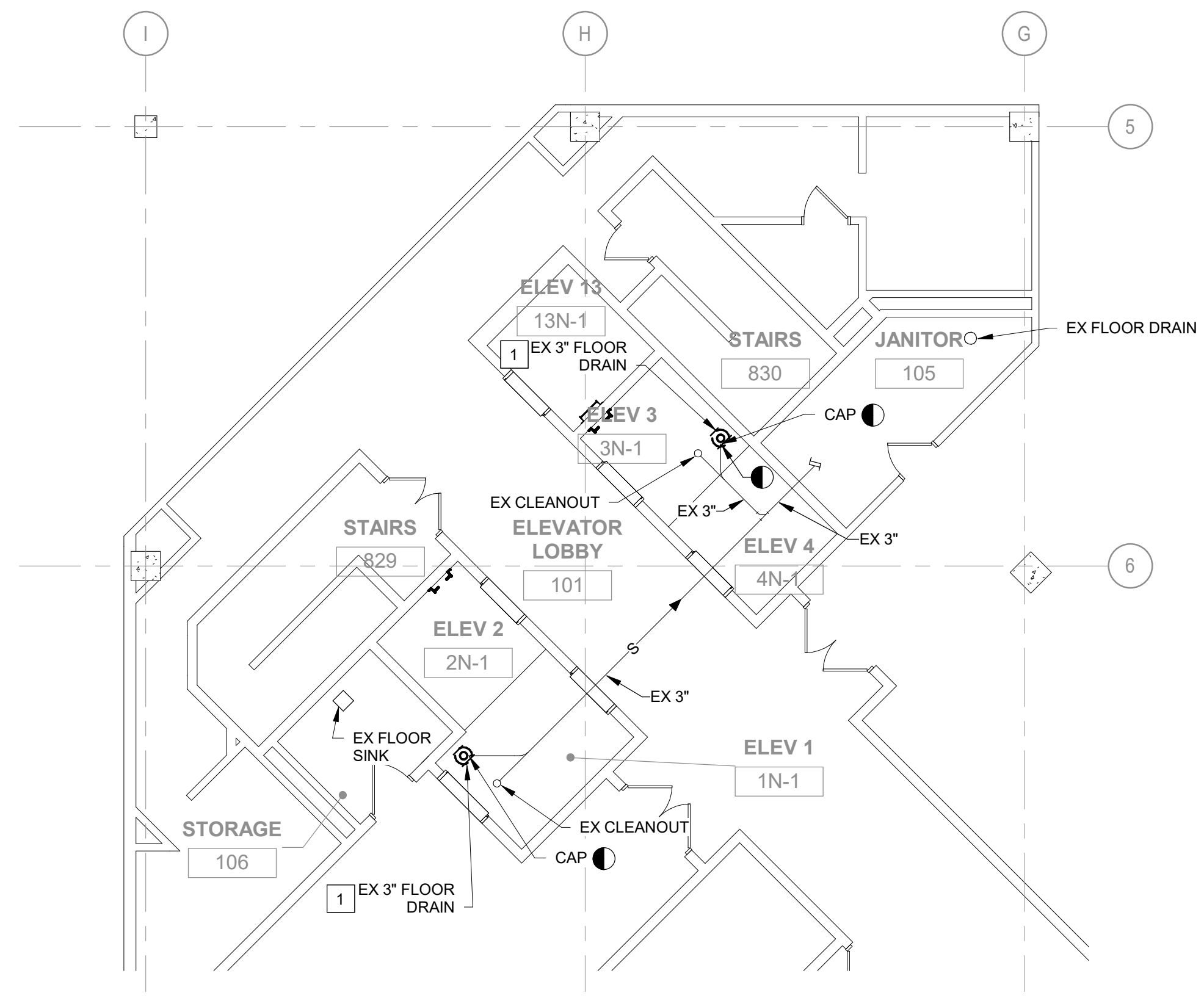
KEY PLAN

GENERAL NOTES

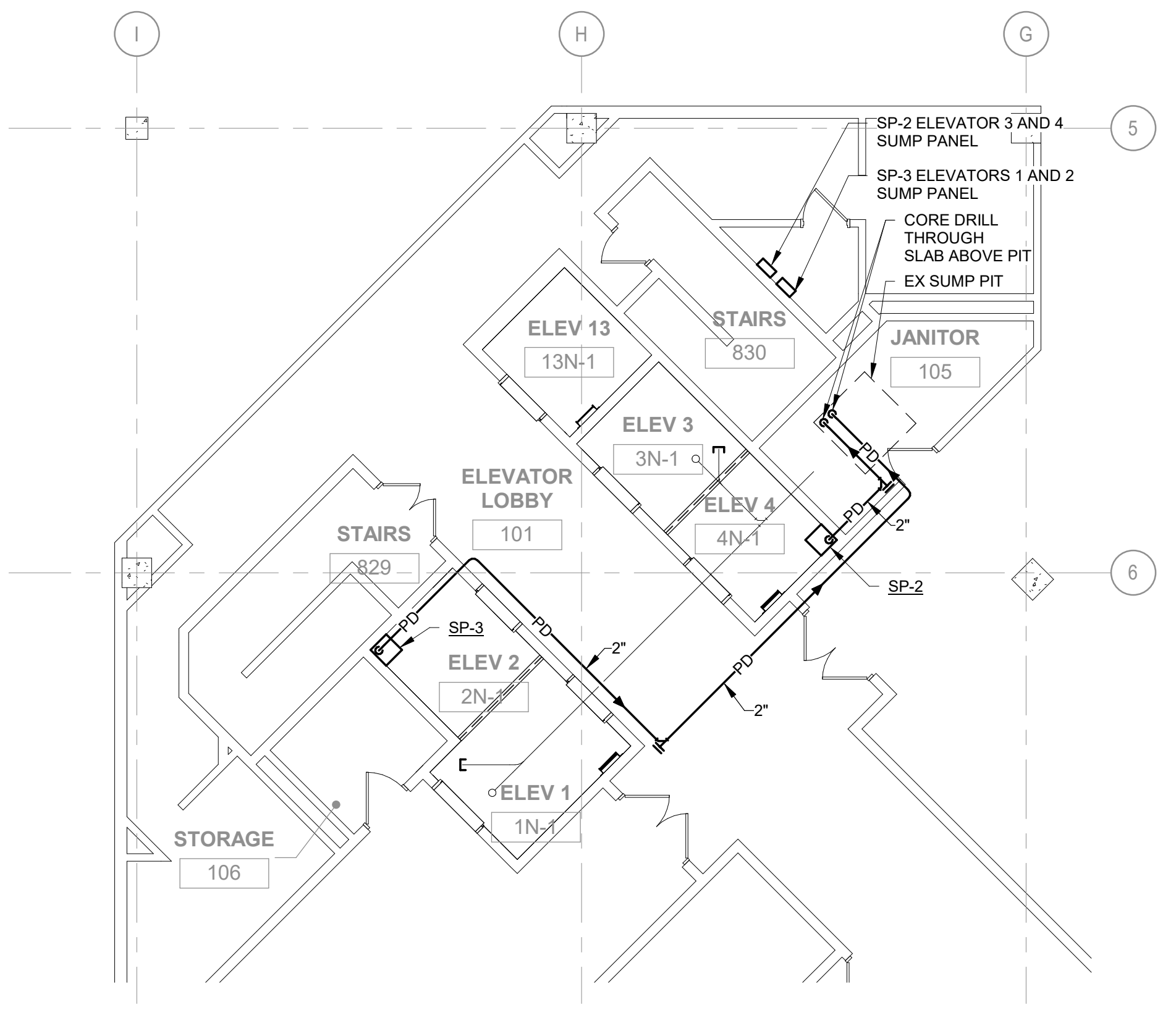
A. PANEL TO NOT BE PLACED IN THE ELEVATOR SHAFT. REFER TO DRAWING FOR PRECISE PANEL LOCATION.

KEYED NOTES

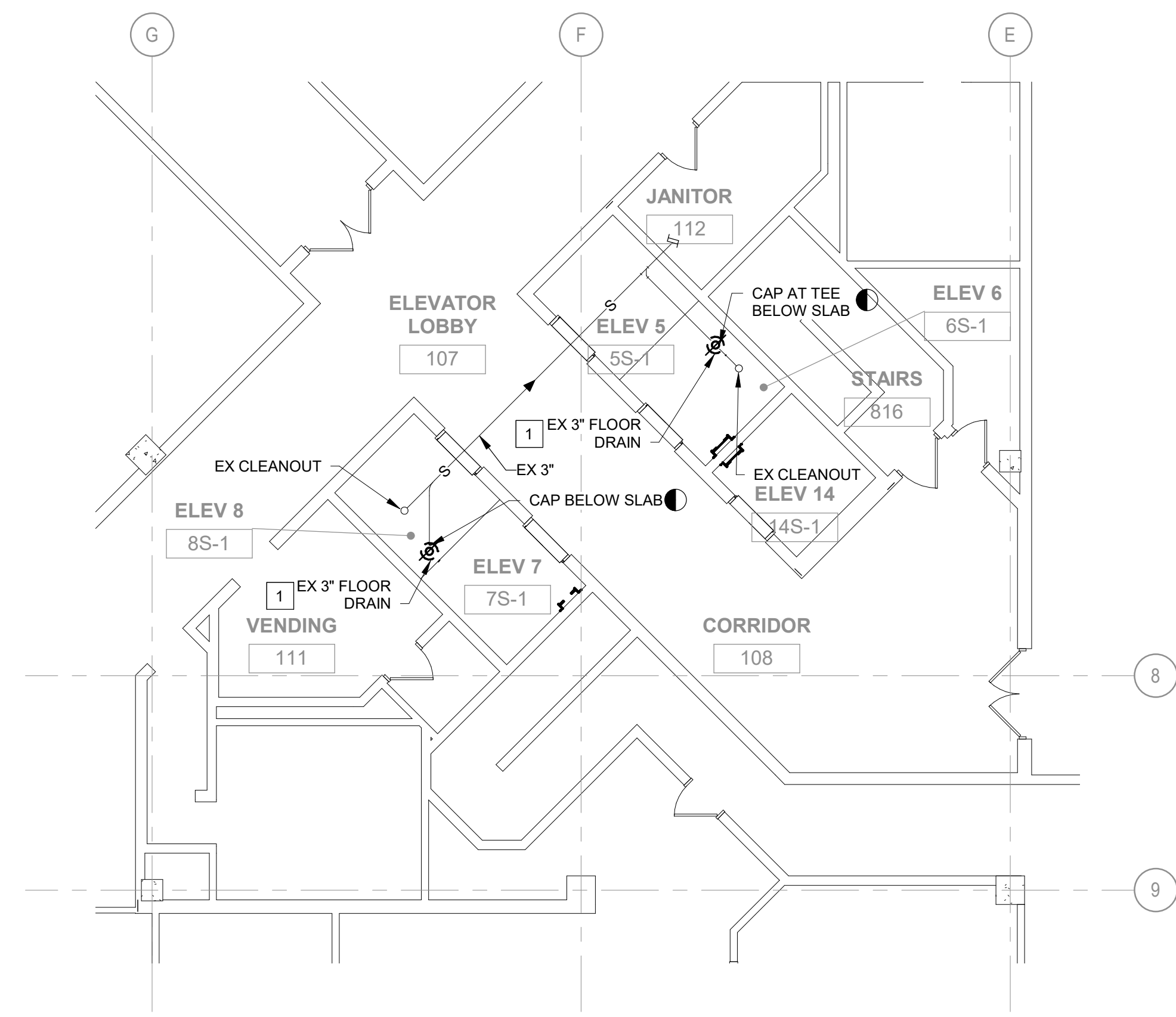
1. PATCH SLAB AFTER DEMOLITION OF EXISTING FLOOR DRAIN.



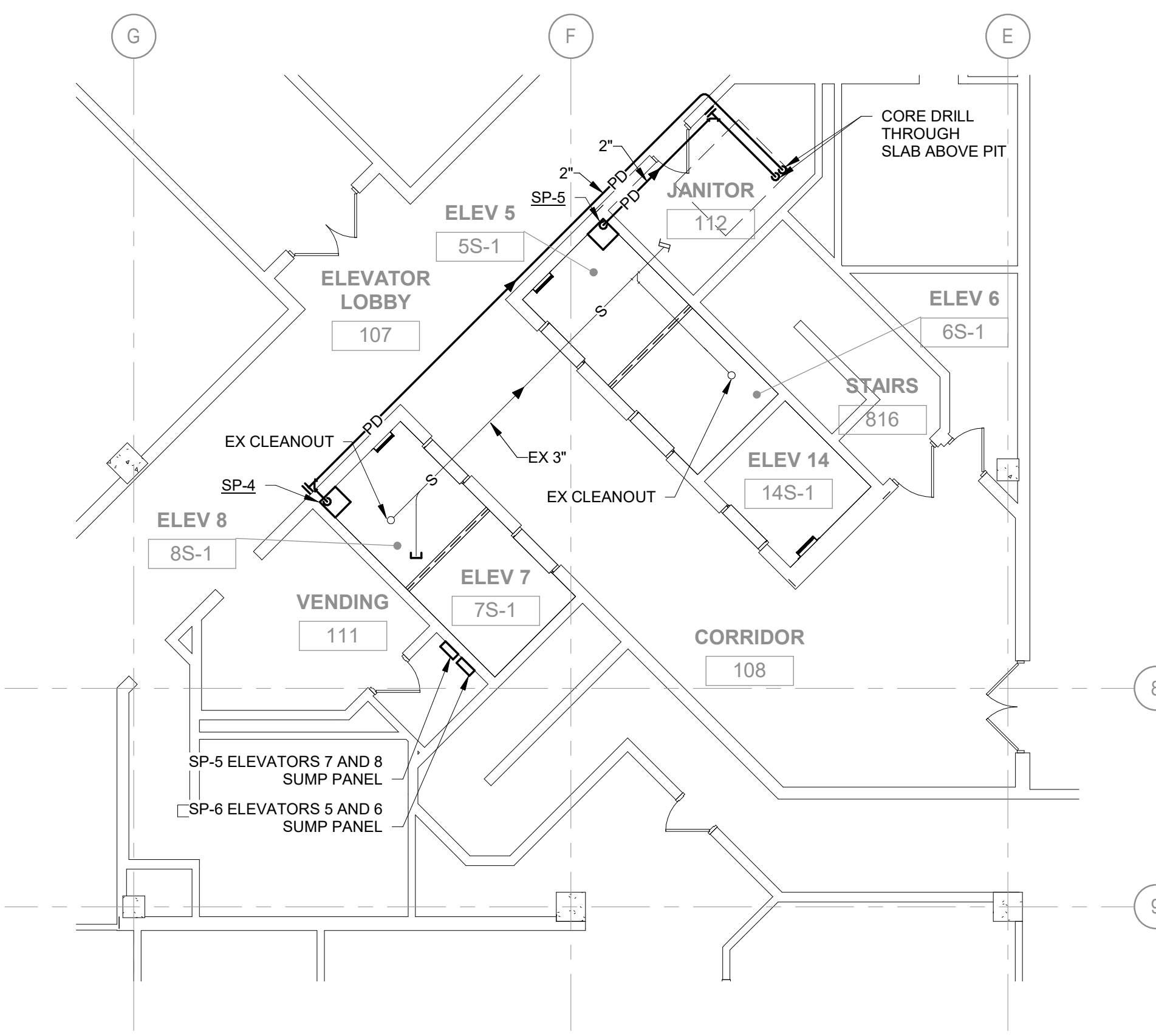
1 PLUMBING NORTH CORE - 1ST FLOOR DEMOLITION
1/8" = 1'-0"



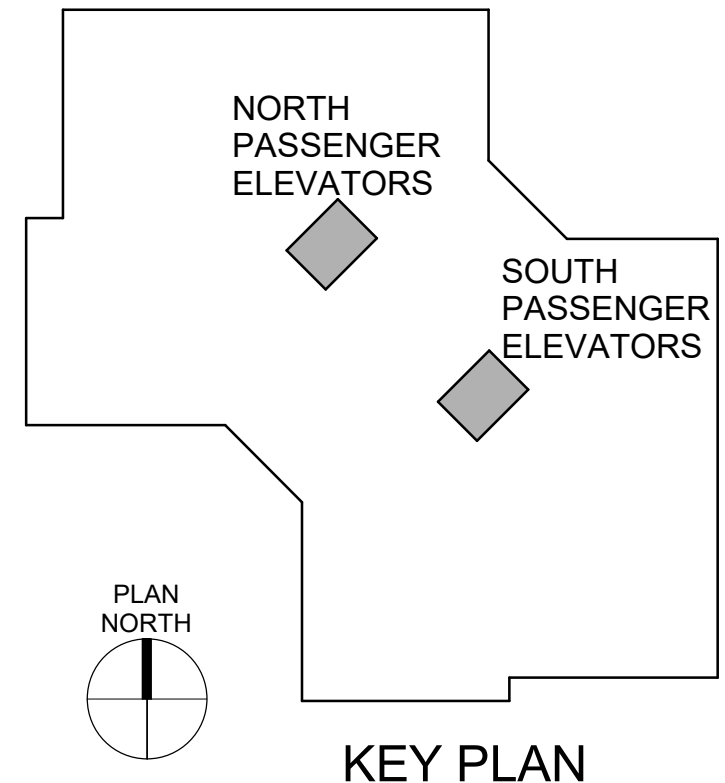
2 PLUMBING NORTH CORE - 1ST FLOOR NEW WORK
1/8" = 1'-0"



3 PLUMBING SOUTH CORE - 1ST FLOOR DEMOLITION
1/8" = 1'-0"



4 PLUMBING SOUTH CORE - 1ST FLOOR NEW WORK
1/8" = 1'-0"



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SHEET TITLE:
**PLUMBING NORTH &
SOUTH PASSENGER -
DEMO & NEW WORK**

SHEET NUMBER:

P-102

SHEET NO. 34 OF 56
2024-07-12



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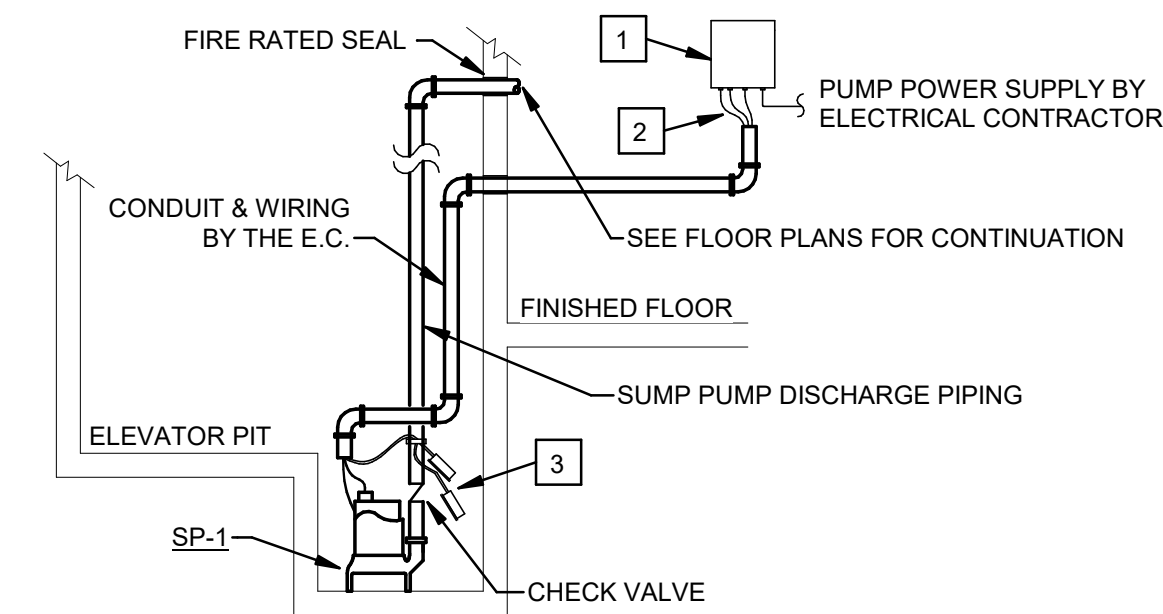
SHEET TITLE:

PLUMBING DETAILS
& SCHEDULES

SHEET NUMBER:

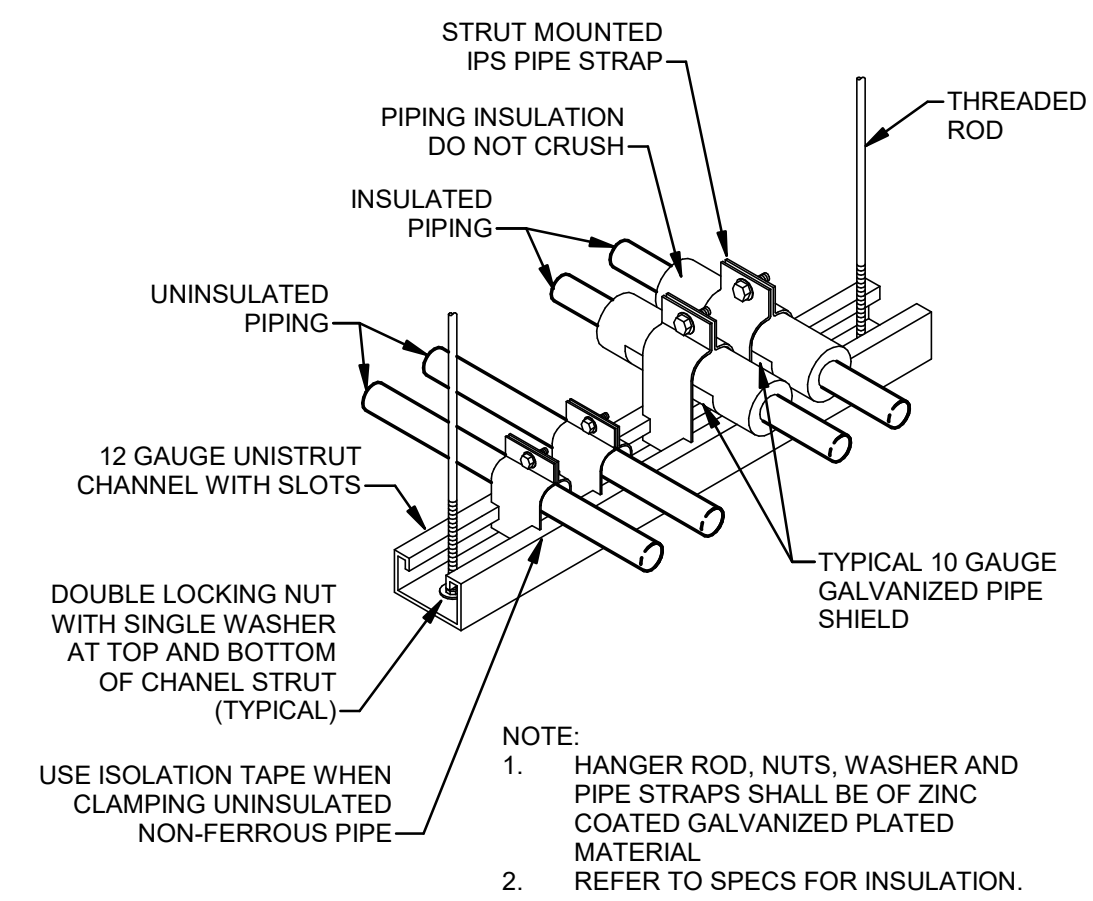
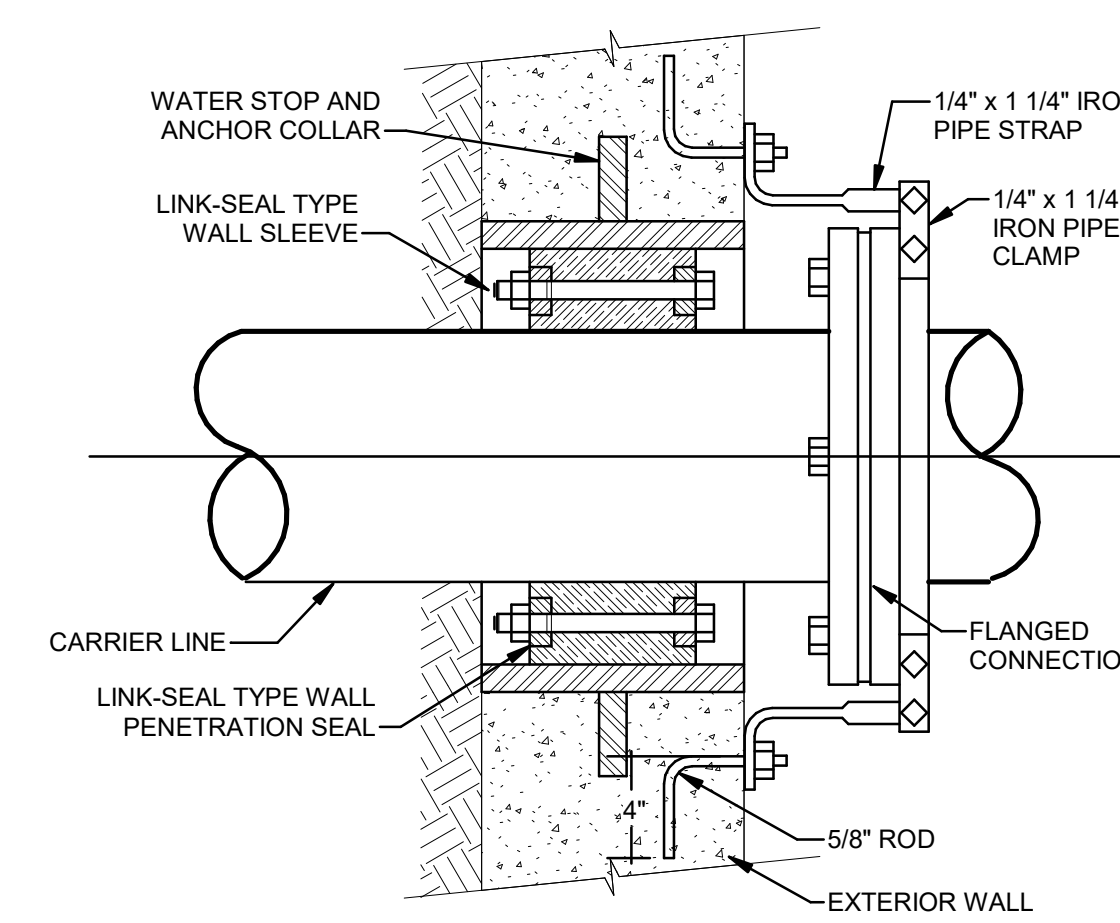
P-501

SHEET NO. 35 OF 56
2024-07-12



KEYED NOTES (THIS DETAIL ONLY):

- 1 ELECTRICAL CONTROL PANEL LOCATED IN THE ELEVATOR MACHINE ROOM SHALL BE 115V, SINGLE PHASE WITH PUMP RUN LIGHT AND AUDIBLE/VISUAL HIGH LIQUID ALARM. PROVIDE SILENCING SWITCH FOR AUDIBLE ALARM BUILT INTO PANEL. PANEL SHALL CONTAIN ADDITIONAL CONTACT FOR REMOTE ALARM.
- 2 POWER, FLOAT, AND HIGH LIQUID ALARM CABLES, LENGTH AS REQUIRED, IN CONDUIT.
- 3 FLOAT SWITCHES WITH CLAMP DEVICE TO MOUNT TO PUMP DISCHARGE PIPING.



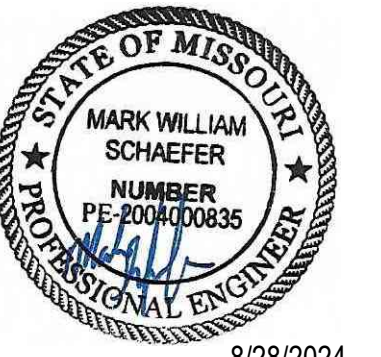
1 ELEVATOR PIT SUMP PUMP
NONE

2 EXTERIOR WALL PENETRATION
NONE

3 TRAPEZE PIPE SUPPORT
NONE

SUMP OR SEWAGE PUMP SCHEDULE											
PLAN MARK	MARK NUMBER	DESCRIPTION	MANUFACTURER	MODEL	NO. OF PUMPS	GPM (EACH)	HEAD (FT) (EACH)	RPM (EACH)	HP (EACH)	ELECTRICAL DATA	NOTES
SP	1	SUMP PUMP	ZOELLER	6155	1	50	21	3450	0.5	115V/ 1PH/ 60HZ.	INCLUDE SO JACKETED CORD FOR OIL RESISTANCE. PUMP MODEL 6155. INCLUDE OIL SMART PUMP SWITCH, OIL SMART ALARM, LIQUID SMART SENSOR, AND OIL SMART DUPLEX CONTROL PANEL.
SP	2	SUMP PUMP	ZOELLER	6294	1	150	21	3450	1.5	200V/ 1PH/ 60Hz	
SP	3	SUMP PUMP	ZOELLER	6284	1	100	21	1750	1	200V/ 1PH/ 60Hz	
SP	4	SUMP PUMP	ZOELLER	6284	1	100	21	3450	1	200V/ 1PH/ 60Hz	
SP	5	SUMP PUMP	ZOELLER	6294	1	150	21	3450	1.5	200V/ 1PH/ 60Hz	
SP	6	SUMP PUMP	ZOELLER	6284	1	100	21	1750	1	200V/ 1PH/ 60Hz	INCLUDE SO JACKETED CORD FOR OIL RESISTANCE. PUMP MODEL 6284. INCLUDE OIL SMART PUMP SWITCH, OIL SMART ALARM, LIQUID SMART SENSOR, AND OIL SMART DUPLEX CONTROL PANEL.

DRAIN SCHEDULE						
PLAN MARK	DESCRIPTION	MANUFACTURER	MODEL	BODY	STRAINER	NOTES
FD-1	SQUARE FLOOR DRAIN	JAY R. SMITH	2005Y-NB	CAST IRON	NICKEL BRONZE	PROVIDE DRAIN WITH TRAP GUARD



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ST. LOUIS, MO 63119
T: 314.918.8393
F: 314.918.1766
www.introba.com

MISSOURI STATE CERTIFICATE
OF AUTHORITY #000148

ELEVATOR
CONSULTANT



600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
(636) 861-2722

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: HWG
CHECKED BY: MW
DESIGNED BY: MWS

SHEET TITLE:
MECHANICAL
SYMBOLS &
ABBREVIATIONS

SHEET NUMBER:

M-001

SHEET NO. 36 OF 56
2024-07-12

MECHANICAL SUPPLEMENTAL SPECIFICATIONS

HVAC DUCTWORK

ANSI/SMACNA STANDARD LATEST EDITION *HVAC DUCT CONSTRUCTION STANDARDS – METAL AND FLEXIBLE*, AS PUBLISHED BY SMACNA. COMPLY WITH REQUIREMENTS FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE-ROD APPLICATIONS, DEFLECTION LIMITS, AND JOINT TYPES AND INTERVALS, EXCEPT AS NOTED. NO MATERIAL THINNER THAN 26-GAGE IS PERMITTED FOR SPIRAL-SEAM ROUND DUCT, AND NO MATERIAL THINNER THAN 24-GAGE IS PERMITTED FOR ALL OTHER DUCTS.

GALVANIZED SHEET DUCT: COMPLY WITH ASTM A653, WITH COATING DESIGNATION G90 AND WITH MILL-PHOSPHATIZED FINISH FOR SURFACES EXPOSED TO VIEW. ALL DUCTS SHALL BE GALVANIZED STEEL EXCEPT AS NOTED.

CROSS BREAKING OR CROSS BEADING: CROSS BREAK OR CROSS BEAD DUCT SIDES 19 INCHES AND LARGER AND 0.0359-INCH THICK OR LESS, WITH MORE THAN 10 SF OF UNBRACED PANEL AREA, UNLESS DUCTS ARE LINED.

LONGITUDINAL SEAMS: CONTRACTOR'S CHOICE OF PITTSBURGH LOCK (SMACNA FIGURE 2-2 TYPE L-1) OR BUTTON PUNCH SNAP LOCK (SMACNA FIGURE 2-2 TYPE L-2) SHALL BE USED ON ALL LONGITUDINAL SEAMS.

ALL SQUARE-THROAT ELBOWS OF ANGLE GREATER THAN 45° SHALL INCLUDE TURNING VANES.

BRANCH CONNECTIONS SHALL BE PER SMACNA FIGURE 4-6, EXCEPT THAT STRAIGHT TAPS ARE NOT PERMITTED ON ANY DUCTS 2-INCH PRESSURE CLASS OR ABOVE. STRAIGHT-TAP "SPIN-IN" FITTINGS ARE PERMITTED ON 1/2-INCH AND 1-INCH PRESSURE CLASS DUCTWORK ONLY.

OFFSETS AND TRANSITIONS SHALL BE PER SMACNA FIGURE 4-7, EXCEPT THAT OFFSET TYPE 2 (MITERED) IS LIMITED TO AN ANGLE OF 45°.

FITTINGS AT OBSTRUCTIONS SHALL BE PER SMACNA FIGURE 4-8, EXCEPT THAT FIGURE D IS NOT PERMITTED. USE FIGURE 4-8.B IN LIEU OF FIGURE 4-8.D. SEEK ENGINEER'S APPROVAL OF FIGURE 4-8.D WHERE SPACE AND/OR LAYOUT CLEARANCES PROHIBIT USE OF FIGURE 4-8.B.

HANGER MATERIALS: GALVANIZED SHEET STEEL OR THREADED STEEL ROD. SUPPORTS FOR STAINLESS-STEEL DUCTS SHALL BE STAINLESS-STEEL; SUPPORTS FOR ALUMINUM DUCTS SHALL BE ALUMINUM UNLESS MATERIALS ARE ELECTROLYTICALLY SEPARATED FROM DUCTS.

ALL SUPPORTING MATERIAL SURFACES IN DIRECT CONTACT WITH SUPPORTED DUCTWORK (OR FLEXIBLE DUCT, OR DUCT INSULATION, AS APPLICABLE) SHALL BE DESIGNED TO MAINTAIN A MINIMUM OF ONE-INCH CONTACT WIDTH ALONG FULL LENGTH OF CONTACT.

STATIC-PRESSURE CLASSES: 2-INCH WG. SEAL CLASS SCHEDULE: SEAL CLASS A AND LEAKAGE CLASS 4 IS REQUIRED FOR ALL DUCTS.

TESTING, ADJUSTING, AND BALANCING (TAB)

AGENT QUALIFICATIONS: ENGAGE A TAB AGENT CERTIFIED BY EITHER AABC OR NEBB. CERTIFY THE TESTING, ADJUSTING, AND BALANCING FIELD DATA REPORTS AND USE STANDARD FORMS AND PROCEDURES FROM AABC OR FROM NEBB.

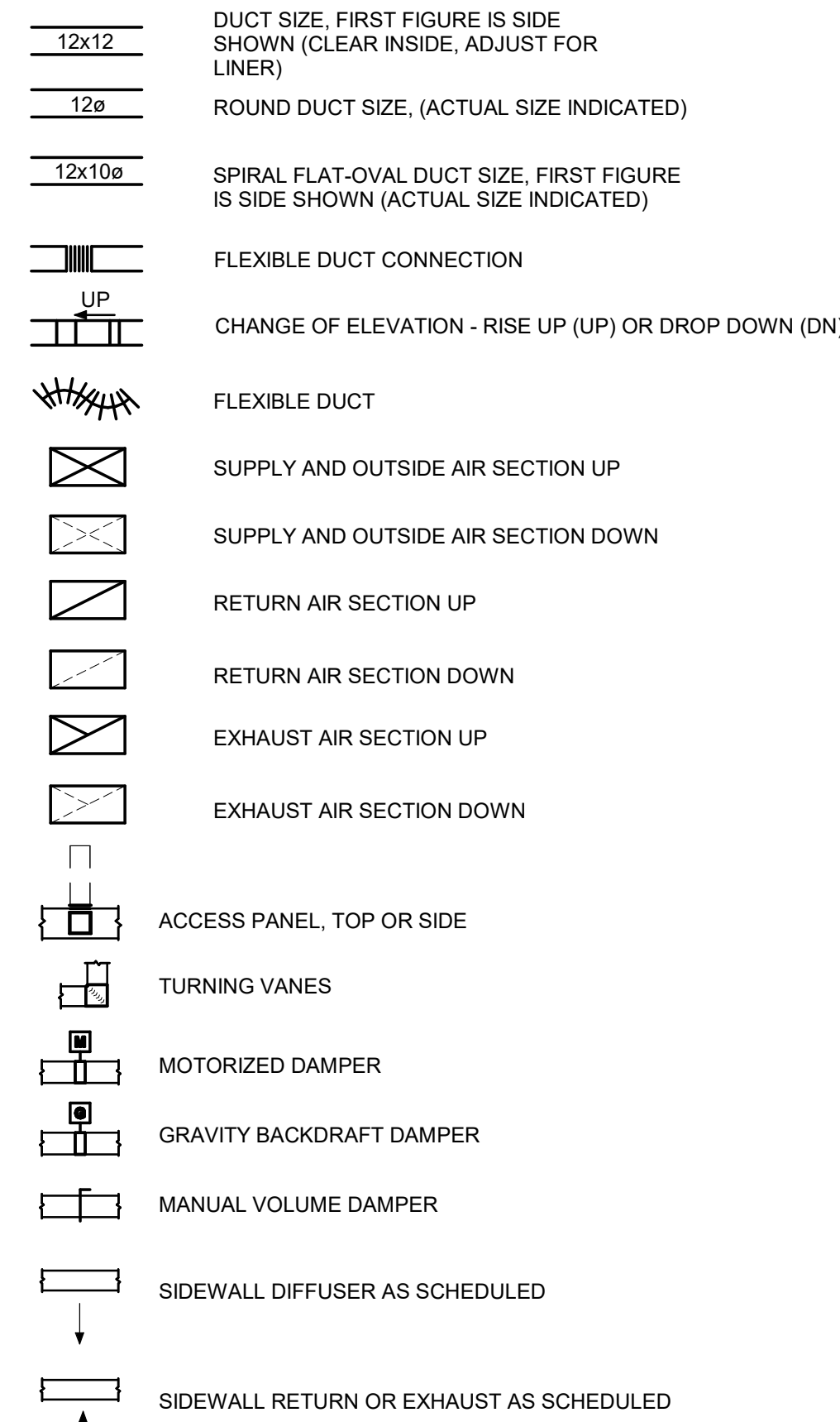
EXAMINE CONTRACT DOCUMENTS, APPROVED SUBMITTAL DATA, FAN, ETC., TO BECOME FAMILIAR WITH PROJECT.

SUBMIT FINAL REPORT INCLUDING A SIGNED AND SEALED CERTIFICATION SHEET.

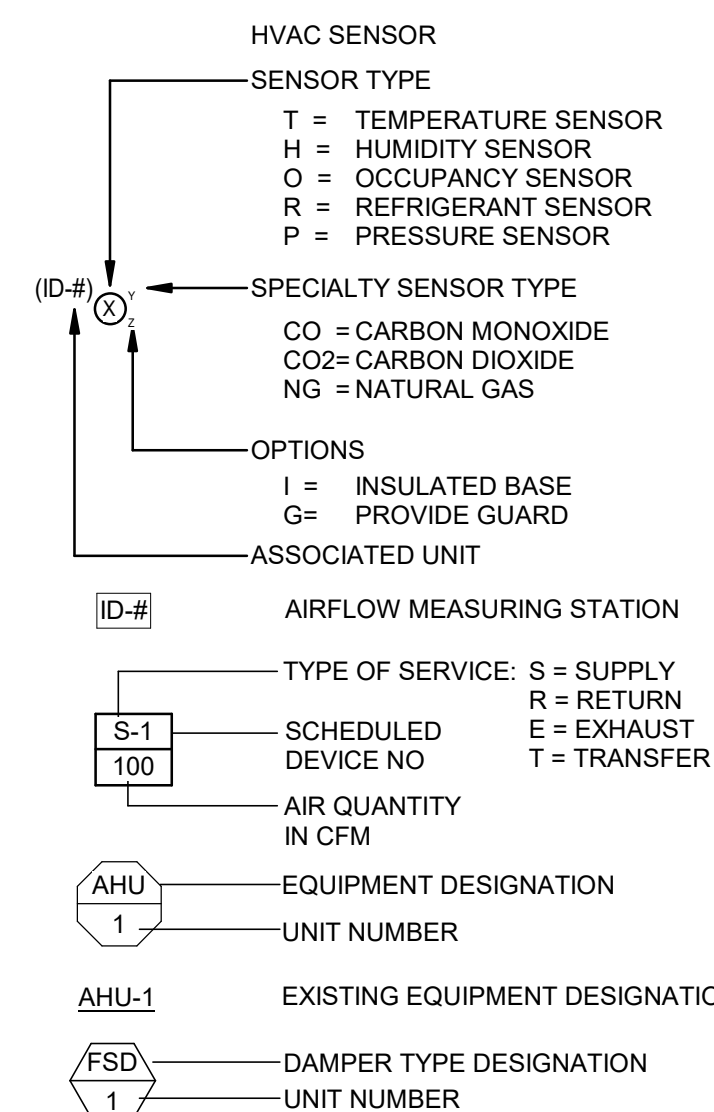
MECHANICAL PROJECT GENERAL NOTES

- ALL ELBOWS, FITTINGS, ETC., IN PIPING AND DUCTWORK REQUIRED TO CLEAR ALL JOB OBSTRUCTIONS ARE NOT NECESSARILY INDICATED. ALL NECESSARY TRANSITIONS, FITTINGS AND OFFSETS ARE REQUIRED WHETHER SHOWN OR NOT.
- BECAUSE OF THE LIMITED SPACE AVAILABLE TO INSTALL ALL OF THE MECHANICAL WORK, COORDINATION BETWEEN THE VARIOUS TRADES IS OF THE UTMOST IMPORTANCE. SEE SPECIFICATION 230100 FOR REQUIRED COORDINATION DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE STAGING AND SCHEDULING WITH THE OWNER'S REPRESENTATIVE.
- EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM PREVIOUS CONSTRUCTION DOCUMENTS AND INFORMAL FIELD OBSERVATION AND SHALL NOT BE CONSTITUTED AS "AS BUILT." THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS BEFORE THE ONSET OF CONSTRUCTION.
- DEMOLISH ALL PIPING, DUCTWORK EQUIPMENT, ETC., SHOWN TO BE REMOVED, IN ITS ENTIRETY, INCLUDING ALL HANGERS AND SUPPORTS.
- WHERE CONTRACTOR IS REQUIRED TO CONCEAL NEW WORK, REMOVE OR MODIFY EXISTING CONSTRUCTION OR EQUIPMENT, OR ATTACH TO EXISTING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR OR REPLACE EXISTING CONSTRUCTION AND MATERIALS TO MATCH CONDITIONS AT THE ONSET OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND REPLACE EXISTING CEILING AND WALLS REQUIRED FOR INSTALLATION OF MECHANICAL SYSTEMS.
- THE OWNER SHALL MAINTAIN ALL SALVAGE RIGHTS OF EQUIPMENT AND MATERIALS REMOVED. ALL EQUIPMENT AND MATERIALS NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE PREMISES BY THIS CONTRACTOR.
- CONTRACTOR SHALL PROVIDE SEISMIC BRACING AND MOUNTING OF EQUIPMENT AND MATERIALS IN COMPLIANCE WITH ALL LOCAL CODE REQUIREMENTS AND THE REQUIREMENTS OF SPECIFICATION SECTION SEISMIC PROTECTION.
- ALL WORK SHALL BE INSTALLED PER THE REFERENCE DETAILS, REGARDLESS OF WHETHER OR NOT THE DETAILS ARE CALLED OUT ON THE PLANS.
- THE CONTRACTOR SHALL VERIFY ALL REFRIGERANT PIPE SIZING AND ROUTINGS WITH THE EQUIPMENT MANUFACTURER. THE CONTRACTOR SHALL ALSO PROVIDE ALL REQUIRED REFRIGERANT ACCESSORIES AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER FOR COMPLETE AND FULLY FUNCTIONAL SYSTEMS.
- ALL DUCTWORK SHALL COMPLY WITH "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE," 3RD EDITION, SMACNA 2005, EXCEPT WHERE MORE RESTRICTIVE REQUIREMENTS ARE SPECIFIED. ANY PLAN REFERENCES TO "SMACNA FIGURE --" REFERS TO THIS STANDARD. SEE SPECIFICATIONS FOR SCHEDULE OF DUCT PRESSURE CLASS AND SEAL CLASS.
- ALL NEW DUCTWORK SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR SHALL ADJUST SHEET METAL SIZES AS NECESSARY TO ACCOMMODATE INTERNAL DUCT LINER, IF SPECIFIED.
- ALL EXISTING TEMPERATURE CONTROLS THAT ARE BEING DEMOLISHED OR DISABLED AS WORK OF THIS CONTRACT SHALL BE COMPLETELY REMOVED FROM BUILDING.
- THE CONTRACTOR SHALL CONNECT THE NEW HVAC SYSTEM TO THE OWNER'S EXISTING BUILDING CONTROL SYSTEM. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- THESE PLANS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR SHALL BE PREPARED TO MAKE SOME ALTERATIONS TO THE EXACT LOCATION OF DUCTWORK, PIPING AND EQUIPMENT FROM THE LOCATION INDICATED ON THESE DRAWINGS TO FIT ACTUAL JOB CONDITIONS.

DUCT SYSTEM SYMBOLS



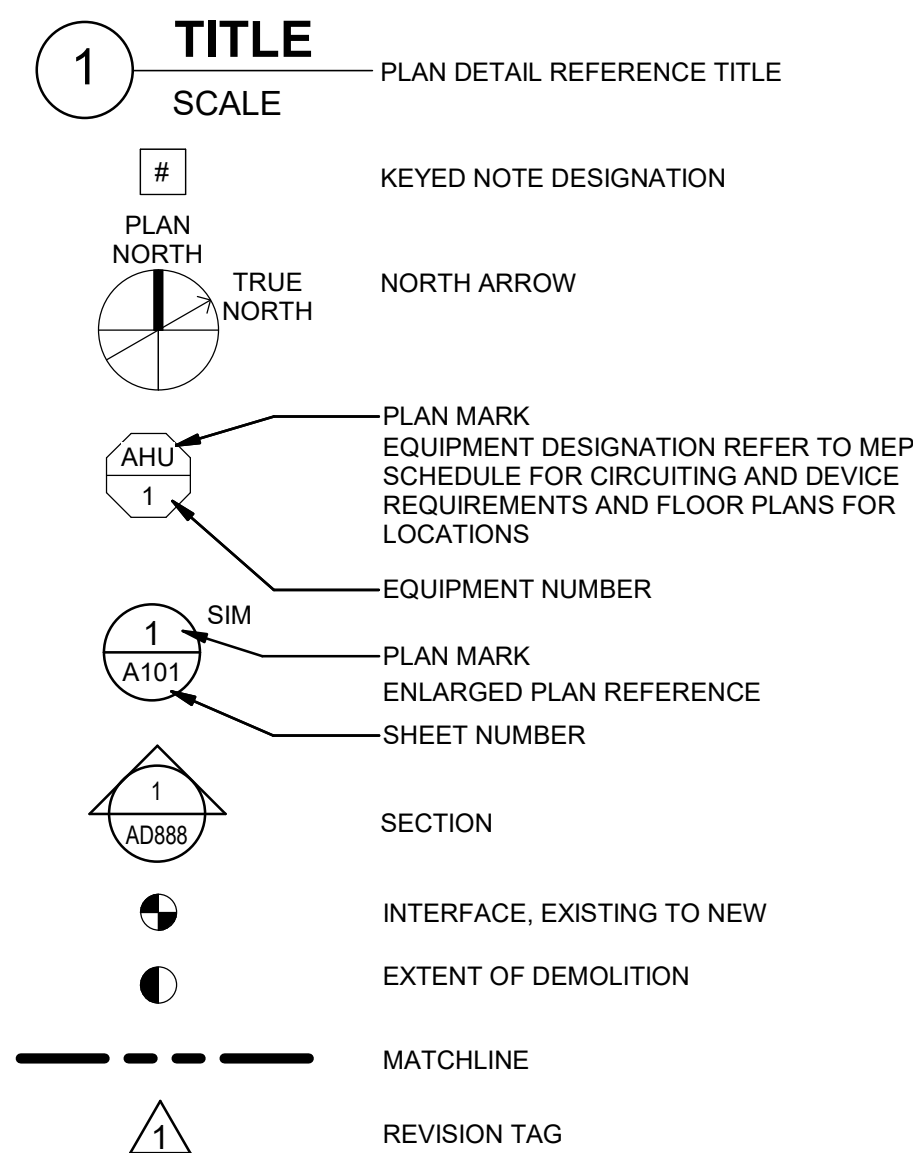
MECHANICAL SYMBOLS



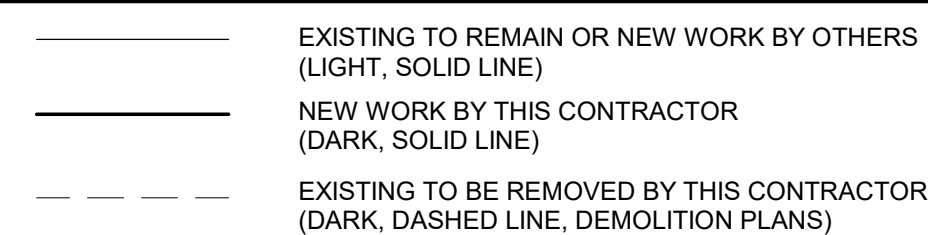
MECH EQUIPMENT DESIGNATION

MECH	EQUIPMENT DESIGNATION
ACC	AIR COOLED CONDENSER
ACU	AIR CONDITIONING UNIT
AF	AIR FILTER
ATU	AIR TERMINAL UNIT
BCU	BLOWER COIL UNIT
CC	COOLING COIL
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
EF	EXHAUST FAN
F	FAN
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FSD	COMBINATION FIRE/SMOKE DAMPER
FTU	FAN TERMINAL UNIT
HC	HEATING COIL
HX	HEAT EXCHANGER
L	LOUVER
MD	MOTORIZED DAMPER
PAC	PACKAGED AIR CONDITIONING UNIT
PRV	PRESSURE REGULATING VALVE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
SD	SMOKE DAMPER
SF	SUPPLY FAN
SQU	SPLIT SYSTEM CONDENSING UNIT
SSFU	SPLIT SYSTEM FAN/COIL UNIT
UH	UNIT HEATER
VI	VIBRATION ISOLATION

DRAWING REFERENCES



LINE TYPE LEGEND





8/28/2024

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**MECHANICAL
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ABBREVIATIONS**

SHEET NUMBER:

M-002

SHEET NO. 37 OF 56
2024-07-12

PIPE SYSTEM ABBREVIATIONS

—RL—	REFRIGERANT LIQUID
—RS—	REFRIGERANT SUCTION
—RV—	REFRIGERANT VENT
—HG—	REFRIGERANT HOT GAS

PIPE LINE SYMBOLS

	SHUT OFF VALVE (SEE SPECIFICATION FOR TYPE)
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	VALVE IN RISE (SEE SPECIFICATION FOR TYPE)
	MULTI-PURPOSE PUMP DISCHARGE VALVE
	CHECK VALVE
	GLOBE VALVE
	SOLENOID VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	MOTORIZED BUTTER FLY VALVE
	PRESSURE REDUCING VALVE (HYDRONIC)
	PRESSURE REGULATING VALVE (STEAM)
	CALIBRATED - ORIFICE BALANCING VALVE
	ACTIVE FLOW-LIMITING VALVE
	PLUG VALVE
	IN-LINE PUMP
	Y-PATTERN STRAINER
	Y-PATTERN STRAINER W/ BLOWDOWN VALVE
	UNION
	AIR VENT (M - MANUAL, A - AUTOMATIC)
	RELIEF VALVE
	VACUUM BREAKER

MECHANICAL ABBREVIATIONS

A	AIR OR AMP (PER CONTEXT)	JS	JOIST SPACE
ACC	ACCESSORIES	KW	KILOWATTS
AD	ACCESS DOOR	L	LENGTH
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AFS	AIR FLOW SWITCH	LB(S)	POUNDS
AHRI	AIR CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE	LF	LINEAR FEET
AI	ANALOG SIGNAL INPUT	LRA	LOCKED ROTOR AMPS
AMB	AMBIENT	LS	LIGHT SPACE
AO	ANALOG SIGNAL OUTPUT	LVL	LEVEL
AP	ACCESS PANEL	LWT	LEAVING WATER TEMPERATURE
APD	AIR PRESSURE DROP	MAN	MANUAL
APLV	APPLICATION PART LOAD VALUE	MANU	MANUFACTURER
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCH	ARCHITECTURE/ARCHITECT	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
AUX	AUXILIARY	MCA	MINIMUM CIRCUIT AMPS
AV	AUTOMATIC VENT	MCC	MOTOR CONTROL CENTER
AVG	AVERAGE	MECH	MECHANICAL
BDD	BACK DRAFT DAMPER	MERV	MINIMUM EFFICIENCY REPORTING VALUE (ASHRAE 52.2)
BFC	BELOW FINISHED CEILING	MFR	MANUFACTURER
BFP	BACKFLOW PREVENTER	MIN	MINIMUM OR MINUTE (PER CONTEXT)
BHP	BRAKE HORSEPOWER	MTD	MOUNTED
BI	BINARY SIGNAL INPUT	MTL	METAL
BMS	BUILDING MANAGEMENT SYSTEM	MV	MANUAL VENT
BO	BINARY SIGNAL OUTPUT	NC	NORMALLY CLOSED OR NOISE CRITERIA (PER CONTEXT)
BOB	BOTTOM OF BEAM	NO	NORMALLY OPEN OR NUMBER (PER CONTEXT)
BOD	BOTTOM OF DUCT	NOM	NOMINAL
BOF	BOTTOM OF PIPE	NPLV	NON-STANDARD PART LOAD VALUE
BS	BEAM SPACE	NPSH	NET POSITIVE SUCTION HEAD
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BRITISH THERMAL UNITS PER HOUR	OA	OUTSIDE AIR
BWE	BAKED WHITE ENAMEL	OBD	OPPOSED BLADE DAMPER
CAP	CAPACITY	OC	ON CENTER
CAV	CONSTANT AIR VOLUME	OD	OUTSIDE DIAMETER
CFH	CUBIC FEET PER HOUR	OT	OIL TRAP
CFM	CUBIC FEET PER MINUTE	PA	PIPE ANCHOR
CI	CAST IRON	PBD	PARALLEL BLADE DAMPER
CLG	COOLING DUCT (COLD DUCT)	PD	PRESSURE DROP
CO	CLEAN OUT	PENT	PENTHOUSE
COMP	COMPRESSOR	PH	PHASE
CONC	CONCRETE	PHC	PREHEAT COIL
COND	CONDENSATE	PLBG	PLUMBING
CONN	CONNECTION	PNEU	PNEUMATIC
CORR	CORRIDOR	PPH	POUNDS PER HOUR
CV	CONTROL VALVE	PRV	PRESSURE REGULATING VALVE
D	DEPTH	PSI	POUNDS PER SQUARE INCH
DB	DRY BULB	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
DBA	A-WEIGHTED DECIBELS	PSIG	POUNDS PER SQUARE INCH GAUGE
DEFL	DEFLECTION	QTY	QUANTITY
DEG	DEGREES	RA	RETURN AIR
DEG F	DEGREES FAHRENHEIT	RAD	RADIATED
DES	DESIGN	RD	ROOF DRAIN
DIA	DIAMETER	REFR	REFRIGERANT
DIM	DIMENSION	REQ	REQUIRED
DISCH	DISCHARGE	RH	RELATIVE HUMIDITY
DIV	DIVISION	RLA	RUNNING LOAD AMPS
DN	DOWN	RM	ROOM
DP	DIFFERENTIAL PRESSURE SENSOR	RND	ROUND
DPS	DIFFERENTIAL PRESSURE SWITCH	RPM	REVOLUTIONS PER MINUTE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	SA	SUPPLY AIR
DTL	DETAIL	SAN	SANITARY
DWG(S)	DRAWING(S)	SEC'N	SECTION
EA	EXHAUST AIR OR EACH (PER CONTEXT)	SEER	SEASONAL ENERGY EFFICIENCY RATIO
EAT	ENTERING AIR TEMPERATURE	SENS	SENSIBLE
EER	ENERGY EFFICIENT RATIO	SF	SQUARE FOOT
EFF	EFFICIENCY	SH	SENSIBLE HEAT
ELEC	ELECTRIC	SHT	SHEET
ELEV	ELEVATION	SND	SOUND
EQ	EQUAL	SOL	SOLENOID
ESP	EXTERNAL STATIC PRESSURE	SP	STATIC PRESSURE
EWB	ENTERING AIR WET BULB TEMPERATURE	SPD	STATIC PRESSURE DIFFERENTIAL
EWT	ENTERING WATER TEMPERATURE	SPT	STATIC PRESSURE TRANSMITTER
EXH	EXHAUST	SQ	SQUARE
EXIST, EX	EXISTING	SST	STAINLESS STEEL
EXT	EXTERNAL	STL	STEEL
F	FAHRENHEIT	STM	STEAM
F&T	FLOAT AND THERMOSTATIC	T&P	TEMPERATURE AND PRESSURE
FC	FLEXIBLE CONNECTION	TC	TEMPERATURE CONTROL
FD	FLOOR DRAIN	TD	THERMODYNAMIC OR TEMPERATURE DIFFERENTIAL (PER CONTEXT)
FDC	FIRE DEPARTMENT CONNECTION	TDH	TOTAL DYNAMIC HEAD
FIN	FINISHED	TEMP	TEMPERATURE
FLR	FLOOR	TOT	TOTAL
FPF	FINS PER FOOT	TPD	TOTAL PRESSURE DROP
PPM	FEET PER MINUTE	TSP	TOTAL STATIC PRESSURE
FS	FLOW SWITCH	TYP	TYPICAL
FT	FEET	UC	UNDERCUT DOOR
FT-HD	HEAD IN FEET	UG	UNDERGROUND
GA	GALVE	UNO	UNLESS NOTED OTHERWISE
GAL	GALLONS	V	VOLTS
GALV	GALVANIZED	VAC	VACUUM
GC	GENERAL CONTRACTOR	VD	VOLUME DAMPER (MANUAL)
GPH	GALLONS PER HOUR	VEL	VELOCITY
GPM	GALLONS PER MINUTE	VERT	VERTICAL
H	HEIGHT	VFD	VARIABLE FREQUENCY DRIVE
HD	HEAD	VOL	VOLUME
HEV	HOSE END VALVE	VTR	VENT THRU ROOF
HORIZ	HORIZONTAL	W	WATT OR WIDTH (PER CONTEXT)
HP	HORSEPOWER	W/	WITH
HR	HOUR	W/O	WITHOUT
HTG	HEATING DUCT (HOT DECK)	WB	WET BULB
HVAC	HEATING, VENTILATING & AIR CONDITIONING	WC	WATER COLUMN
HW	HOT WATER	WG	WATER GAUGE
HZ	HERTZ	WPD	WATER PRESSURE DIFFERENTIAL
IB	INVERTED BUCKET	WT	WEIGHT
IE	INVERT ELEVATION		
IN	INCH/INCHES		
INDIC	INDICATOR		
IPLV	INTEGRATED PART-LOAD VALUE		
ISP	INTERNAL STATIC PRESSURE		



8/28/2024

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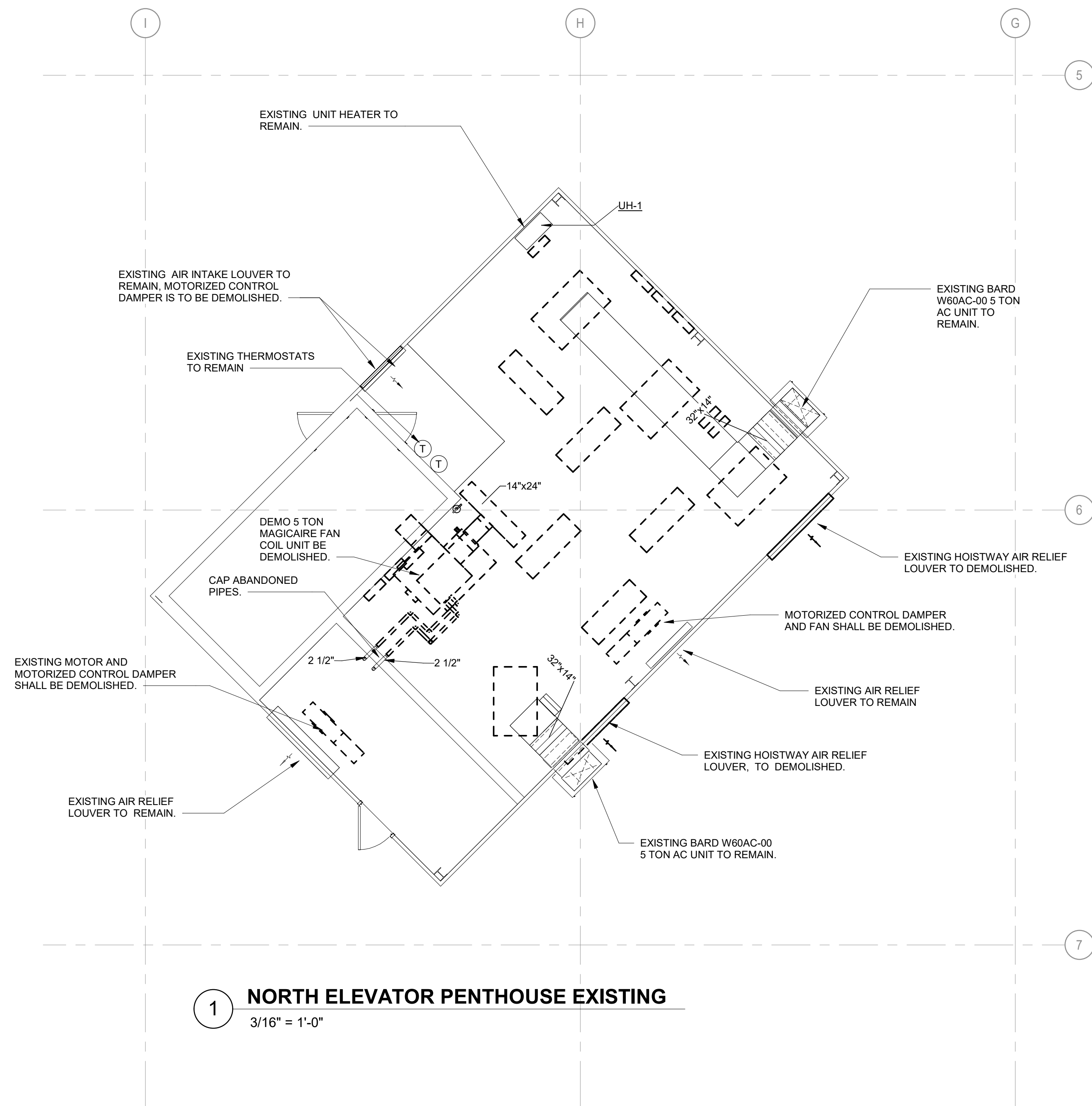
SHEET TITLE:

MECHANICAL
PENTHOUSE DEMO

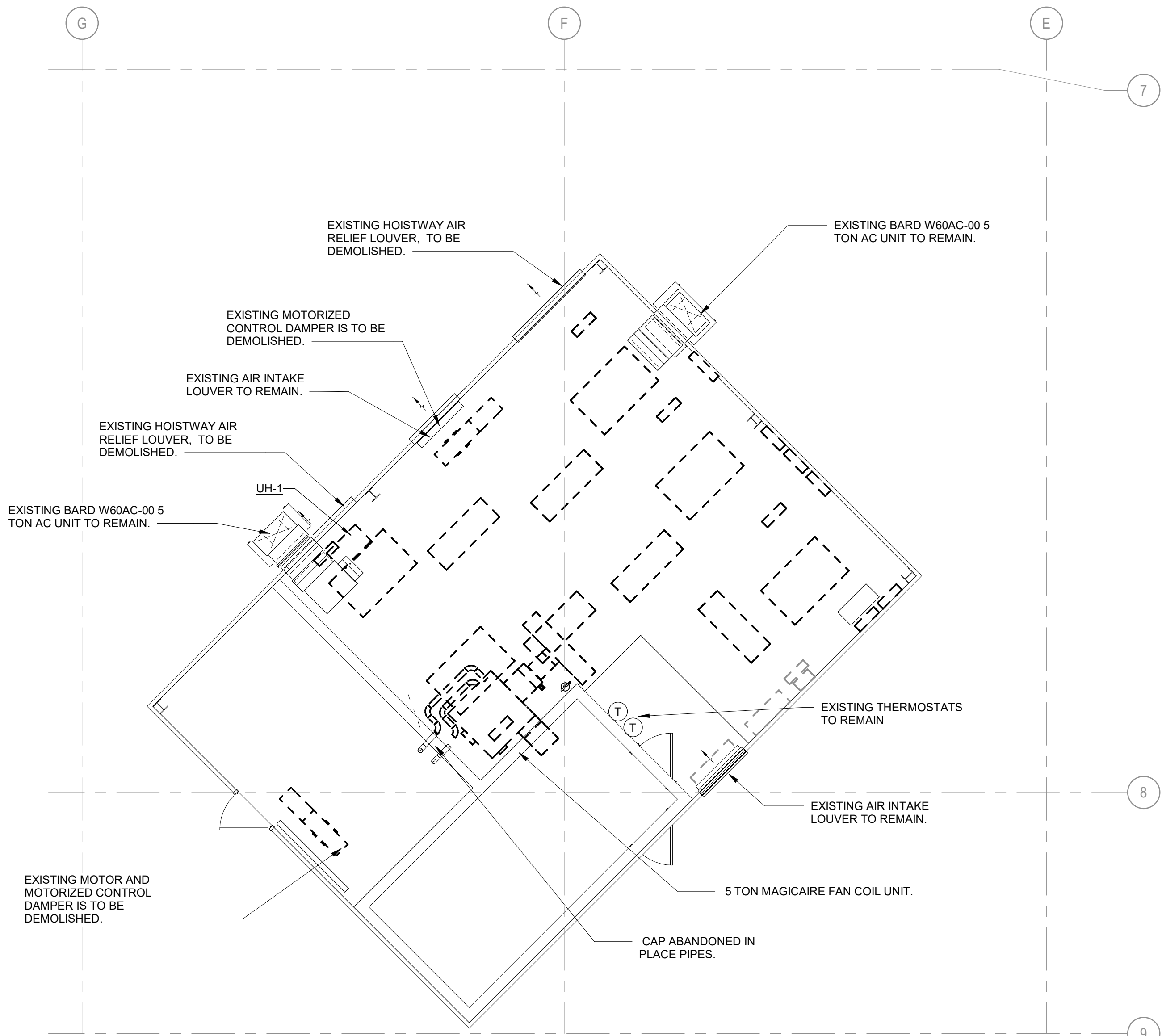
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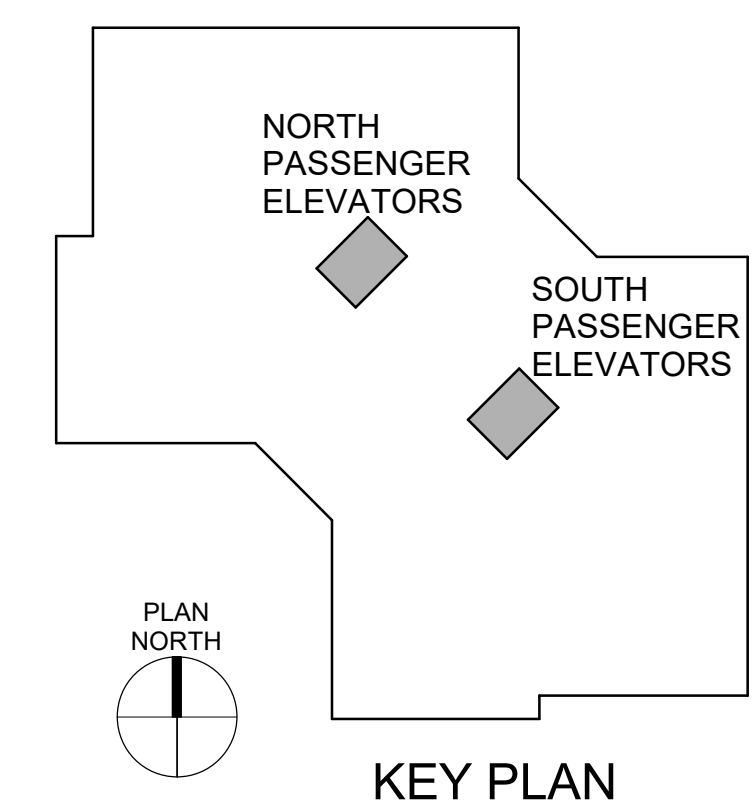
SHEET NO. 38 OF 56
2024-07-12



1 NORTH ELEVATOR PENTHOUSE EXISTING
3/16" = 1'-0"



2 SOUTH ELEVATOR PENTHOUSE EXISTING
3/16" = 1'-0"





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SHEET TITLE:
MECHANICAL
PENTHOUSES NEW
WORK

SHEET NUMBER:

M-101

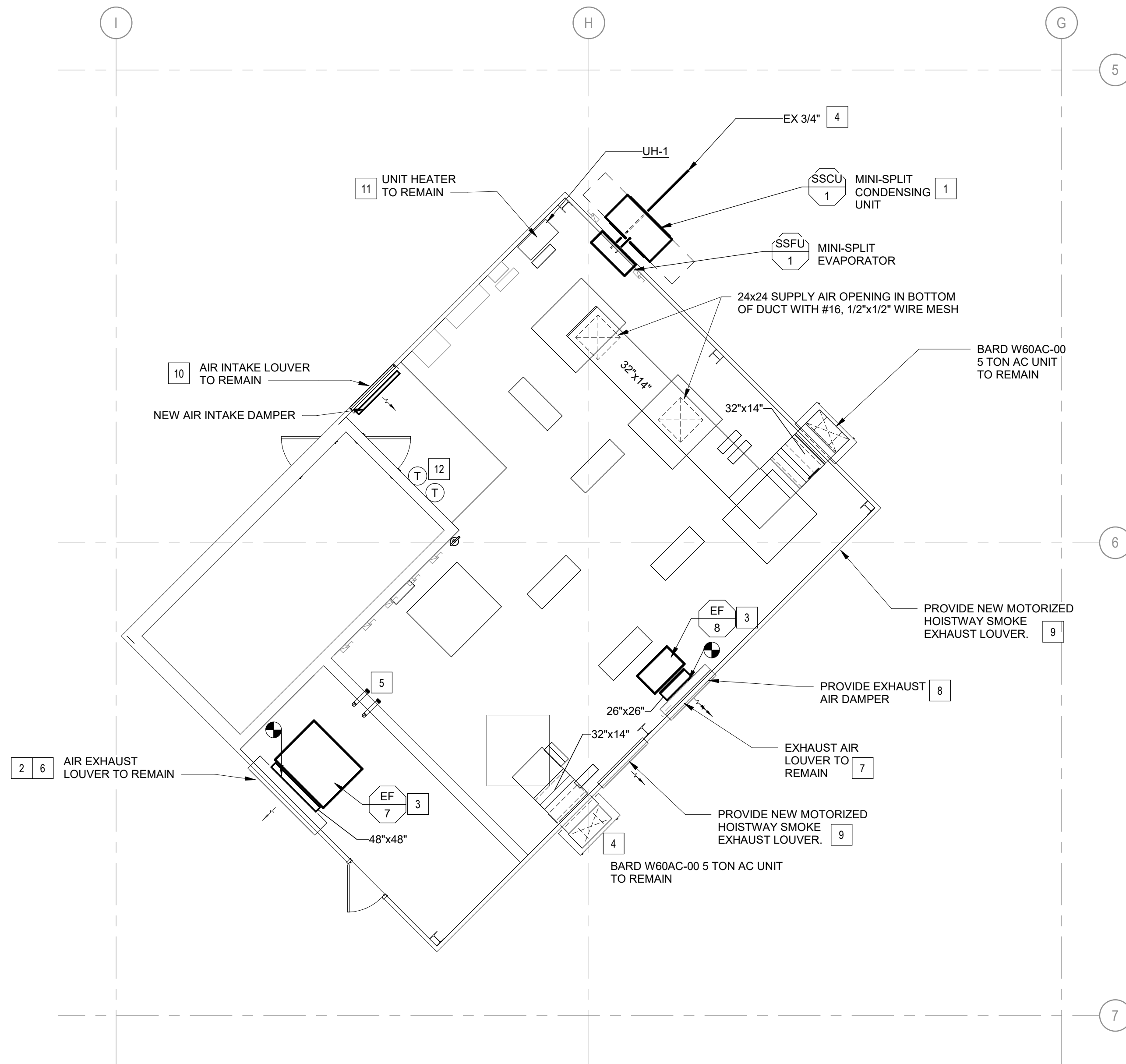
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SHEET KEYNOTES

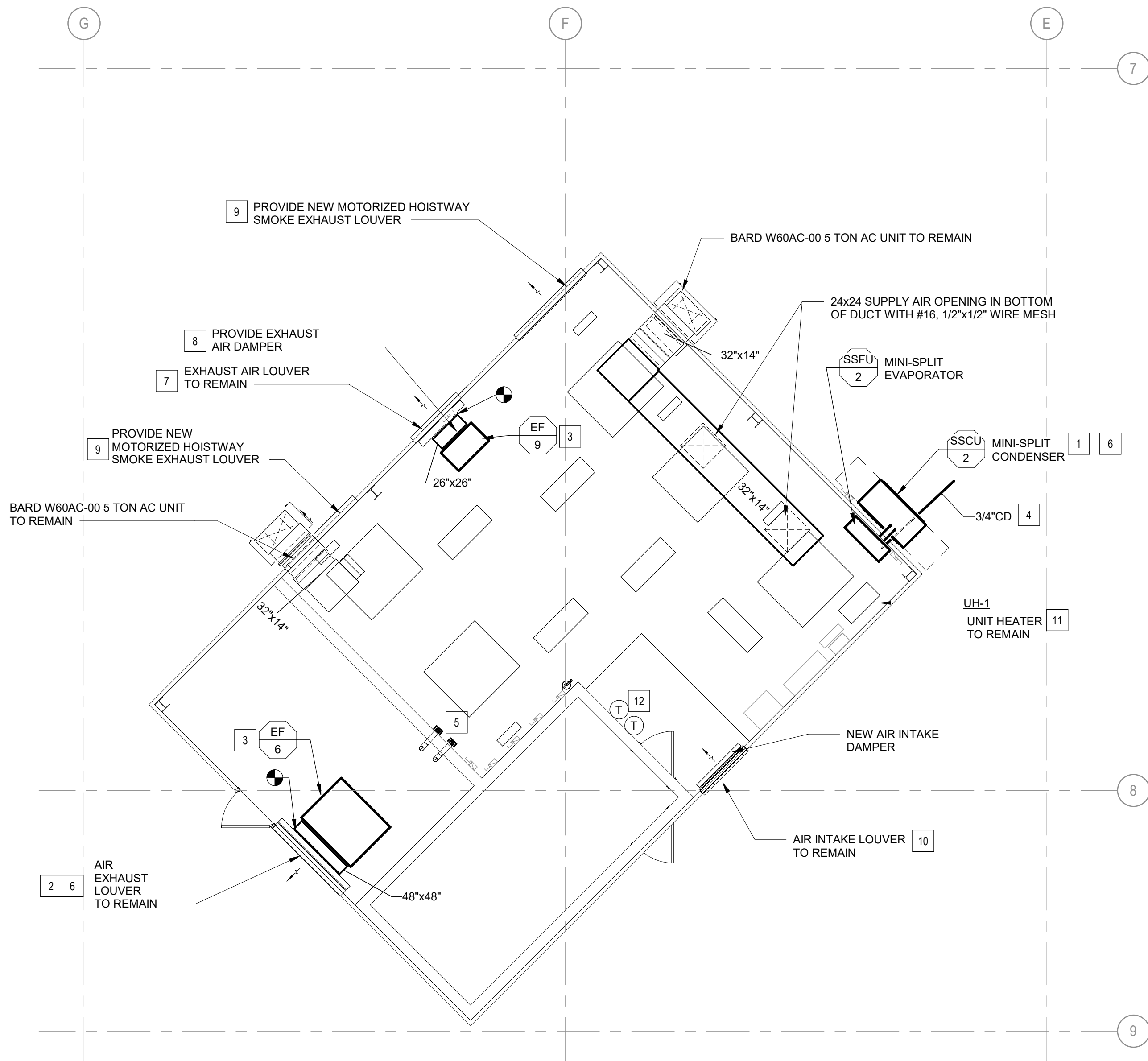
1. PROVIDE AND INSTALL NEW MINI-SPLIT UNIT, INCLUDING WALL-MOUNTING SUPPORT FRAME. COORDINATE WITH ALL TRADES FOR CODE AND FEASIBILITY OF LOCATION. PROVIDE NEW INSULATED CONDENSATE DRAIN AND TERMINAL OVER EXTERIOR ROOF DRAIN.
2. PROVIDE NEW CONTROL DAMPER AND ACTUATOR WITH FAN. DAMPER SHALL CLOSE WHEN FAN IS OFF. INTERFACED WITH FIRE ALARM SYSTEM TO SHUT-DOWN FAN UPON AN ALARM.
3. PROVIDE NEW EXHAUST FANS 6, 7, 8, AND 9 COMPLETE WITH SUPPORTS AND VIBRATION ISOLATORS.
4. PROVIDE NEW CONDENSATE DRAIN LINES AND TERMINATE OVER NEAREST DRAIN.
5. VALVE AND CAP ENDS OF DEMOLISHED CHILLED WATER PIPES AND ABANDON IN PLACE.
6. PROVIDE NEW INSECT AND BIRD SCREENING BEHIND EXISTING 72" DIAMETER LOUVER. EXISTING DUCT PLENUM SECTION TO REMAIN AND MODIFY TO CONNECT NEW FAN AND CONTROL DAMPER.

SHEET KEYNOTES

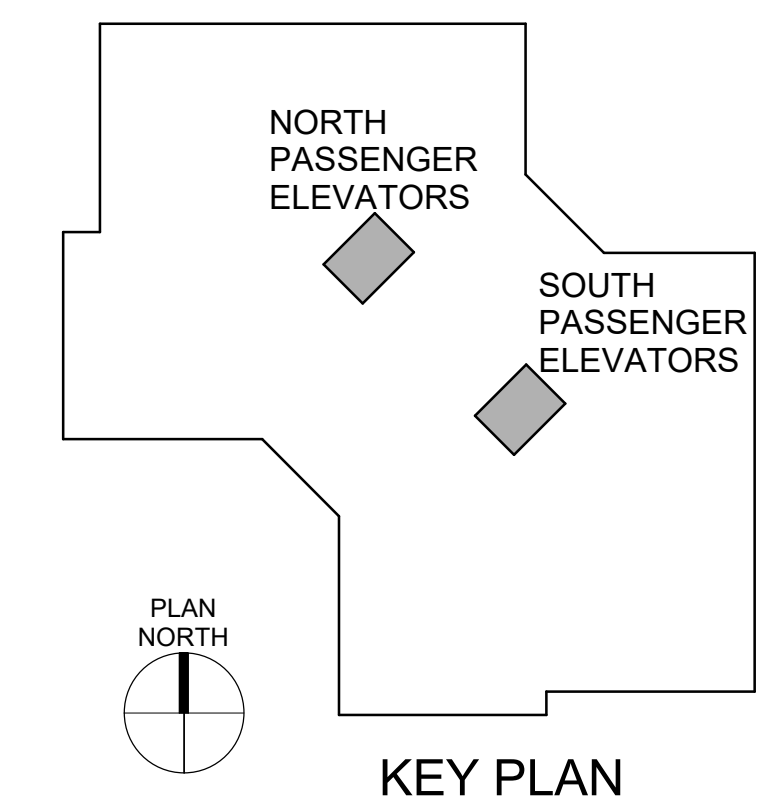
7. PROVIDE NEW INSECT AND BIRD SCREENING BEHIND EXISTING 48" DIAMETER LOUVER. EXISTING DUCT PLENUM SECTION TO REMAIN AND MODIFY TO CONNECT NEW FAN AND CONTROL DAMPER.
8. PROVIDE NEW 26"x26" CONTROL DAMPER AND ACTUATOR. PROVIDE CONNECTION TO BAS. CONFIRM SIZE.
9. PROVIDE NEW ADJUSTABLE LOUVER WITH ACTUATOR AND INTERFACED WITH FIRE ALARM SYSTEM. CONFIRM SIZE.
10. PROVIDE NEW INSECT AND BIRD SCREENING BEHIND EXISTING 48" DIAMETER LOUVER. EXISTING DUCT PLENUM SECTION TO REMAIN AND MODIFY TO CONNECT NEW CONTROL DAMPER. SEE CONTROL DIAGRAM FOR OPERATION OF DAMPERS WHEN FAN IS ENABLED.
11. CONFIRM EXISTING UNIT HEATER CONTROLS ARE UNIT MOUNTED AND SET FOR 60°F (ADJ.).
12. EXISTING THERMOSTATS FOR A/C UNITS. CONFIRM OPERATIONS AND REPORT ANY ISSUES.



2 NORTH ELEVATOR PENTHOUSE NEW WORK
3/16" = 1'-0"



1 SOUTH ELEVATOR PENTHOUSE NEW WORK
3/16" = 1'-0"



IMPERIAL UNITS

SPLIT SYSTEM HEAT PUMP INDOOR FAN COIL UNIT SCHEDULE

UNIT NO.	LOCATION	SERVING	NOMINAL TONS	SUPPLY FAN				COOLING CAPACITY			HEATING CAPACITY			UNIT ELECTRICAL					SEER RATING	BASIS OF DESIGN	REMARKS
				TOTAL (CFM)	MIN OA (CFM)	ESP (IN WG)	MOTOR HP	EAT DB/WB (°F)	LAT DB/WB (°F)	SENSIBLE CAPACITY (MBH)	EAT DB (°F)	CAPACITY (KW)	STEPS	V	PH	FLA	MCA	MOCP			
SSFU-1	PENTHOUSE - NORTH	ELEVATOR MACHINE ROOM	5	1500	360	0.5	0.75	80/67	55/54	39.9	0			208/230	1		8.0/8.0	15/15	14.3	TRANE TEM4	SEE NOTES
SSFU-2	PENTHOUSE - SOUTH	ELEVATOR MACHINE ROOM	5	1500	360	0.5	0.75	80/67	55/54	39.9	0			208/230	1		8.0/8.0	15/15	14.3	TRANE TEM4	SEE NOTES

NOTES:

1. PROVIDE INTEGRAL DISCONNECT
2. PROVIDE SINGLE POINT OF CONNECTION
3. PROVIDE CONNECTION TO BAS.
4. UNIT WEIGHT = 140 LBS.

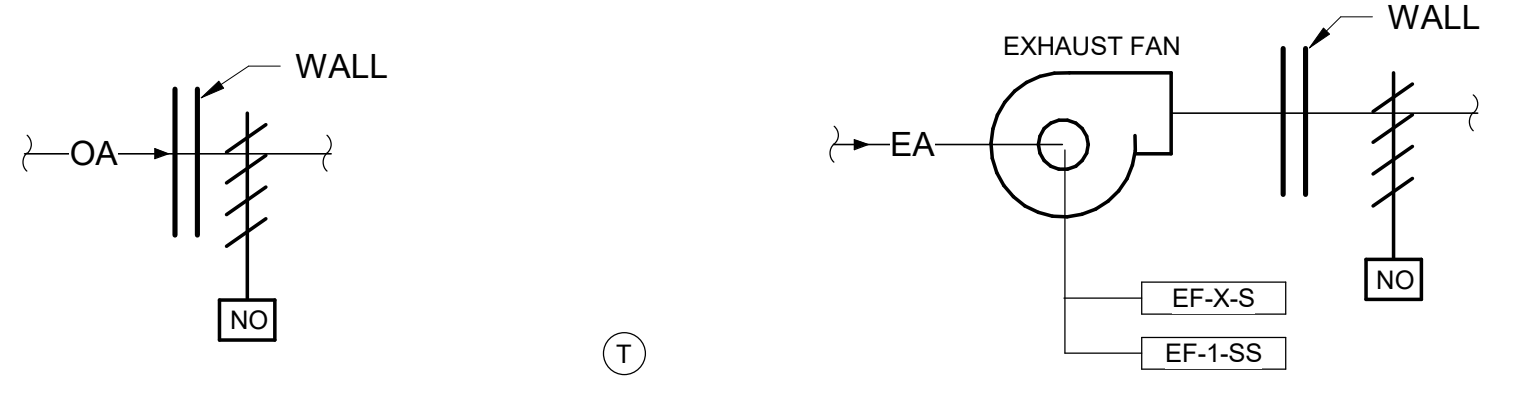
IMPERIAL UNITS

SPLIT SYSTEM HEAT PUMP OUTDOOR UNIT SCHEDULE

UNIT NO.	LOCATION	AMBIENT EAT DB (°F)	COMPRESSOR			CONDENSER FAN		UNIT ELECTRICAL DATA					BASIS OF DESIGN	REMARKS
			QTY	RATED LOAD AMPS	LOCKED ROTOR AMPS	QTY	HP (EA)	V	PH	FLA	MCA	MOCP		
SSCU-1	OUTSIDE	95	1	23.7	152.5	1	1/3	208/230	1	-	34	60	TRANE 4TWR	SEE NOTES
SSCU-2	OUTSIDE	95	1	23.7	152.5	1	1/3	208/230	1	-	34	60	TRANE 4TWR	SEE NOTES

NOTES:

1. PROVIDE DISCONNECT, HAIL GUARDS, AND FOAM PAD FOR UNIT MOUNTING
2. UNIT WEIGHT = 280 LBS.



EXHAUST FAN (EF-X) CONTROLS DIAGRAM

EXHAUST FAN (EF-X) SEQUENCE OF OPERATION

SYSTEM DESCRIPTION

THE CONSTANT VOLUME EXHAUST FAN SHALL START AND STOP FROM THE BAS SET TO 85F (ADJ.).

THE EXHAUST DAMPER AND OUTSIDE AIR INTAKE DAMPER SHALL BOTH PROVE OPEN, VIA HARDWIRED DAMPER END SWITCHES, PRIOR TO ENABLING THE EXHAUST FAN.

ALARMS AND SAFETIES (BAS SYSTEM)

A FAILURE ALARM SHALL BE GENERATED WHENEVER THE FAN OR DAMPER STATUS DOES NOT MATCH THE CURRENT COMMAND STATE.

EACH ALARM SHALL BE RECORDED IN AN ALARM LOG AND SHALL NOTIFY THE BAS.

EXHAUST FAN (EF-X) POINTS LIST																	
CONTROL POINT TAG	SYSTEM POINT DESCRIPTION	INPUTS		OUTPUTS		SOFTWARE			ALARM			REPORTS			NOTES		
		DI	AI	DO	AO	AV	BV	INTEGRATED	HIGHLOW LIMIT	SAFETY	MAINTENANCE	ABNORMAL ON/OFF OPEN/CLOSE	ALARM	RUN TIME		TOTALIZATION	TREND
EF-1-SS	EXHAUST FAN START/STOP (OA/EA DAMPER OPEN/CLOSE)			•													
EF-X-S	EXHAUST FAN STATUS	•															

IMPERIAL UNITS

FAN SCHEDULE

UNIT NO.	SERVING	FAN TYPE	AIRFLOW (CFM)	ESP (IN WG)	BHP	MOTOR HP	RPM	DRIVE	STARTER TYPE	UNIT ELECTRICAL DATA		SMOKE DETECTOR	BASIS OF DESIGN	REMARKS
										V	PH			
EF-6	RESTROOMS	INLINE CENTRIFUGAL	13160	1.5	5.2	7.5	770	BELT	VFD	480	3	NO	GREENHECK	1
EF-7	RESTROOMS	INLINE CENTRIFUGAL	12300	1.25	4.3	5	715	BELT	VFD	480	3	NO	GREENHECK	1
EF-8	NORTH PENTHOUSE	AXIAL	5000	0.25	0.9	1	880	DIRECT	VFD	120	1	NO	GREENHECK	1
EF-9	SOUTH PENTHOUSE	AXIAL	5000	0.25	0.9	1	880	DIRECT	VFD	120	1	NO	GREENHECK	1

NOTES:

1. PROVIDE INTEGRAL DISCONNECT

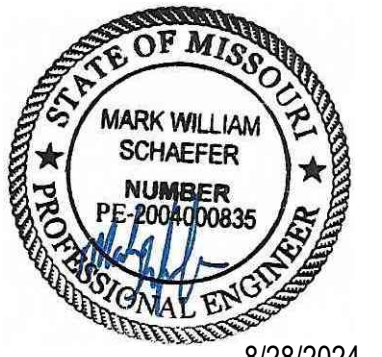
DAMPER SCHEDULE

UNIT NO.	MANUFACTURER AND MODEL NUMBER	LOCATION	AIR TYPE	CONTROL TYPE	BLADE TYPE	AIR		ELECTRICAL	WIDTH/ HEIGHT (IN)	NOTES
						MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE DROP (IN. H2O)			
1	NAILOR MODEL 1010	N PENTHOUSE	RELIEF AIR	ACTUATOR	PARALLEL	7200	0.07	24/1	48x 48	1,2
2	RUSKIN ELM811D	N PENTHOUSE	EXHAUST AIR LOUVER	ACTUATOR	PARALLEL	15200	0.09	24/1	24x36	1,2
3	NAILOR MODEL 1010	N PENTHOUSE	RELIEF AIR	ACTUATOR	PARALLEL	7200	0.07	24/1	48x 48	1,2
4	NAILOR MODEL 1010	S PENTHOUSE	RELIEF AIR	ACTUATOR	PARALLEL	7200	0.07	24/1	48x 48	1,2
5	RUSKIN ELM811D	S PENTHOUSE	EXHAUST AIR LOUVER	ACTUATOR	PARALLEL	15200	0.09	24/1	24x36	1,2
6	NAILOR MODEL 1010	S PENTHOUSE	RELIEF AIR	ACTUATOR	PARALLEL	7200	0.07	24/1	48x 48	1,2

NOTES:

1. SIZES ARE APPROXIMATE, FIELD VERIFY
2. INTERLOCK LOUVER TO OPEN WHEN ASSOCIATED FAN IS OPERATING.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



8/28/2024
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ST. LOUIS, MO 63119
T: 314.918.8383
F: 314.918.1766
www.introba.com

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600 Emerson Dr., Suite 225
Creve Coeur, MO 63141
(636) 861-2722

OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

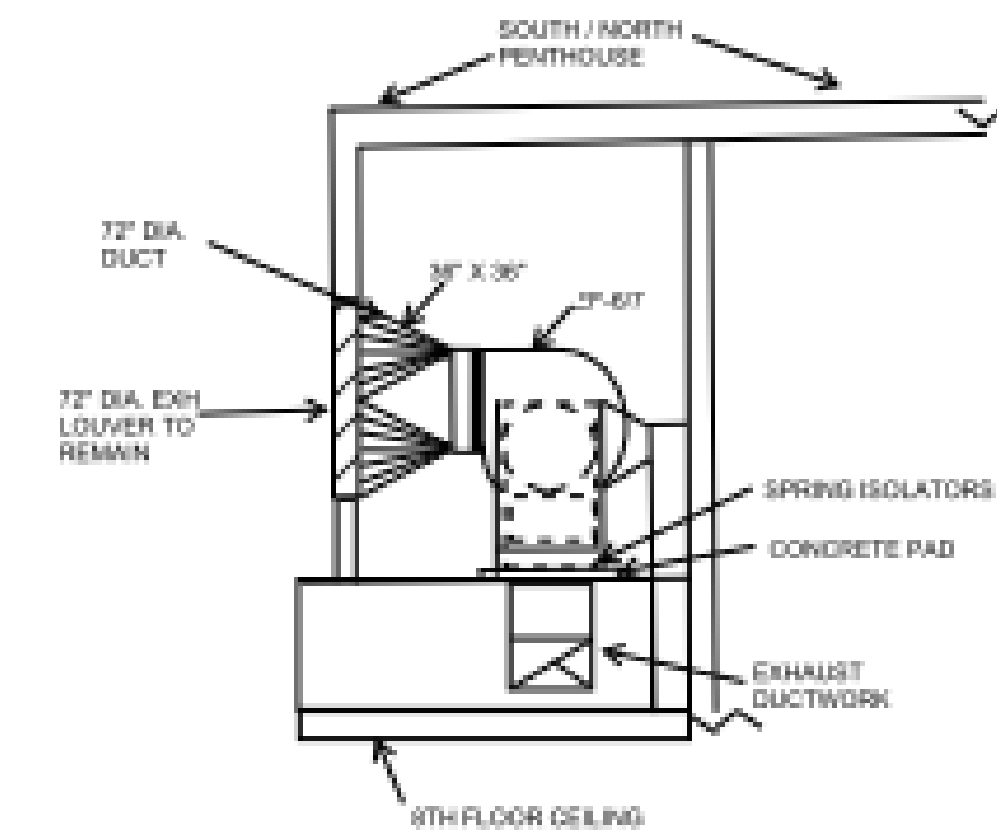
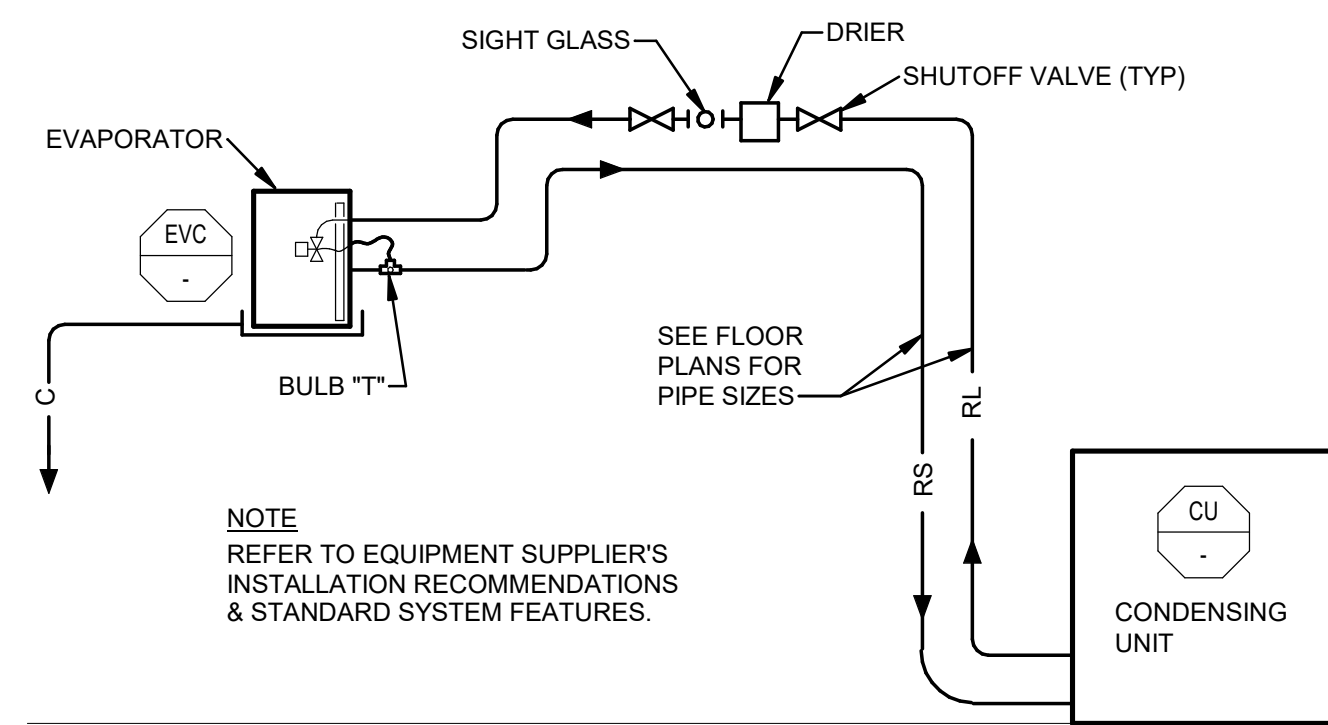
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DRAWN BY: HWG
CHECKED BY: MW
DESIGNED BY: MWS

SHEET TITLE:
MECHANICAL
SCHEDULES

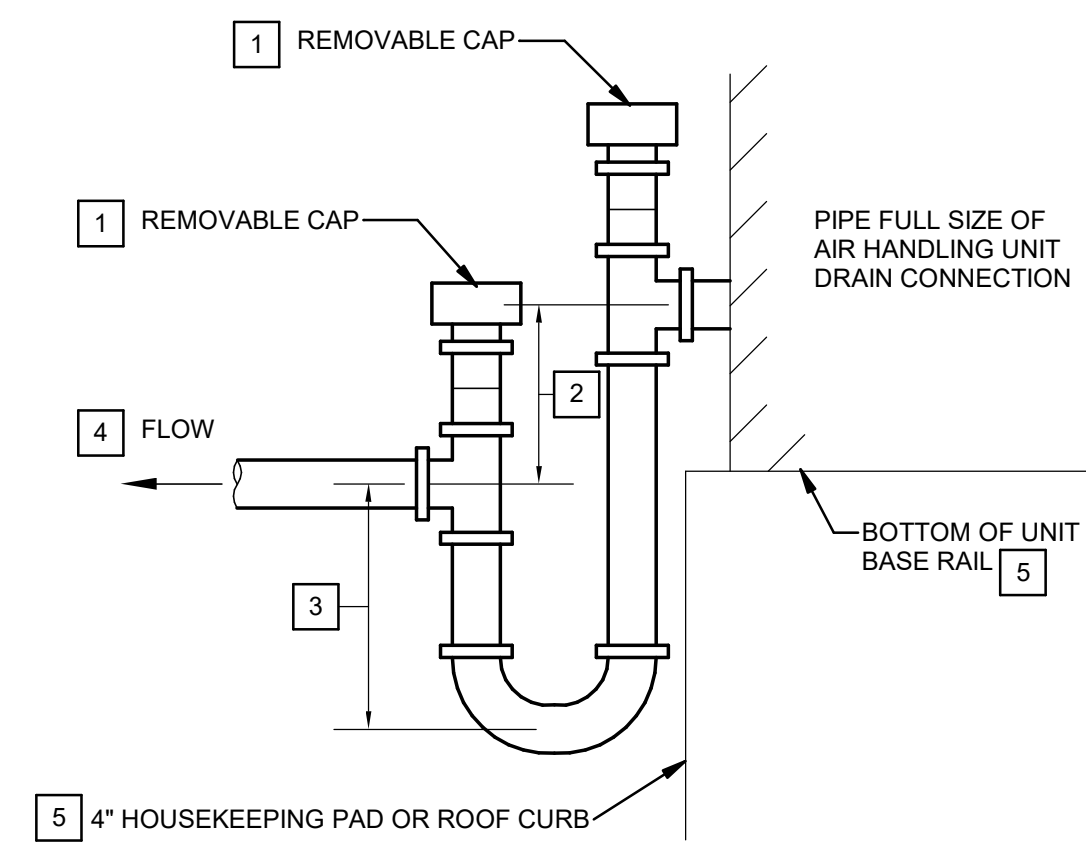
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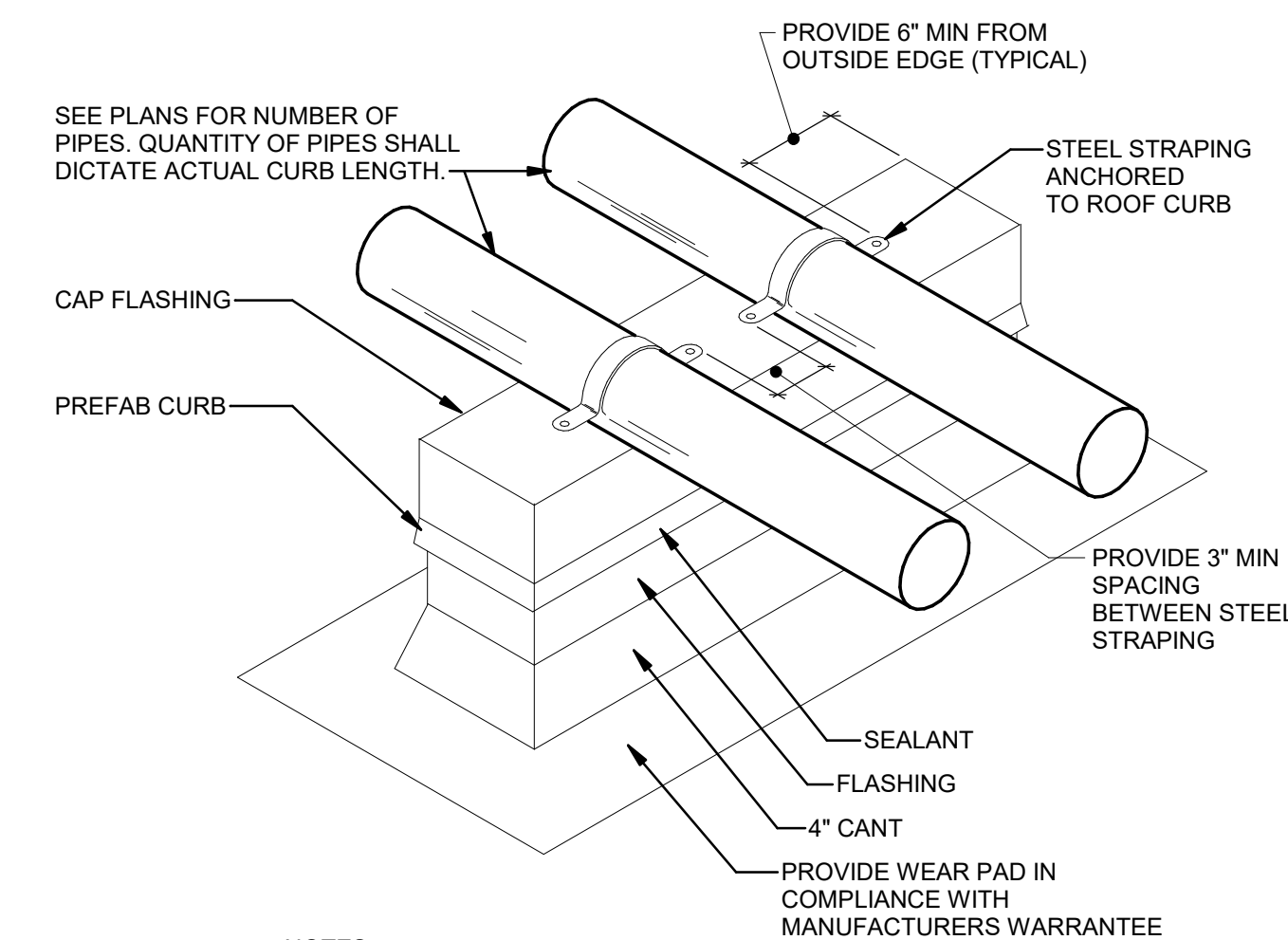
SHEET NO. 40 OF 56
2024-07-12



DETAIL FOR EXHAUST FANS 6 & 7.



- NOTE:
- 1 LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.
 - 2 DRAW-THRU: SUBTRACT SCHEDULED E.S.P. FROM T.S.P. THEN ADD .75".
 - 3 DRAW-THRU: 1/2 OF NOTE 2 DIMENSION BUT NOT LESS THAN 2"
 - 4 ROUTE TO NEAREST SANITARY (FLOOR) DRAIN OR ROOF DRAIN. SLOPE AT 1/4" PER FOOT.
 - 5 CONTRACTOR SHALL INCREASE BASE RAIL HEIGHT AND/OR HOUSEKEEPING PAD HEIGHT IF NECESSARY TO ACHIEVE REQUIRED TRAP DIMENSION.



- NOTES:
1. BASIS OF DESIGN SIMILAR TO THYCURB MANUFACTURER MODEL "TEMS-1".
 2. WELDED 18 GAUGE GALVANIZED STEEL SHELL, BASE PLATE AND COUNTERFLASHING.
 3. FULLY MITERED END SECTIONS WITH INTERNAL BULKHEAD REINFORCEMENT.
 4. CONTRACTOR SHALL VERIFY LENGTH OF ROOF CURB PRIOR TO ORDERING.
 5. ROOF CURB SHALL BE WELDED TO STRUCTURAL STEEL DECKING PRIOR TO ROOFING COMPOSITE INSTALLATION.



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CAD DWG FILE: _____
DRAWN BY: HWG _____
CHECKED BY: MW _____
DESIGNED BY: MWS _____

SHEET TITLE:
MECHANICAL
DETAILS

SHEET NUMBER:

M-501

SHEET NO. 41 OF 56
2024-07-12



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CHECKED BY: GNF
DESIGNED BY: BS

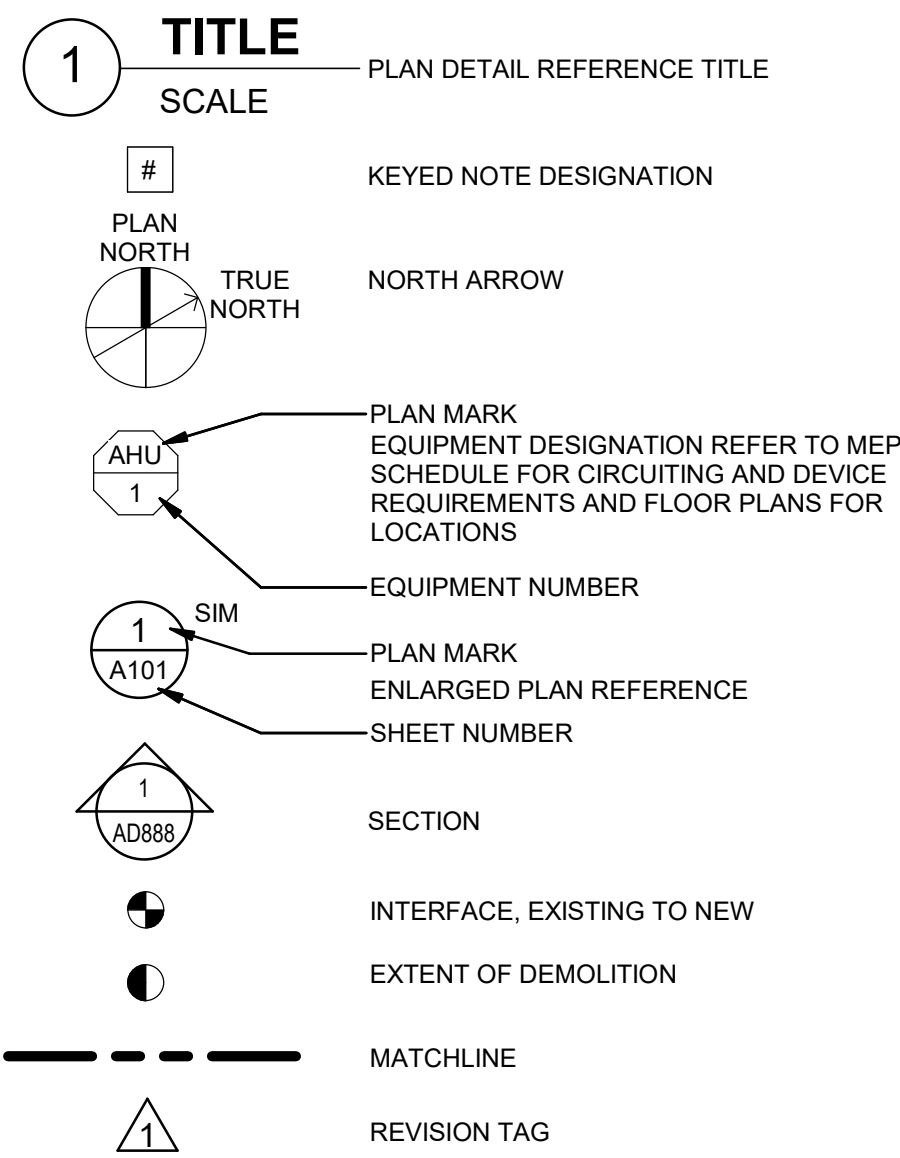
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ELECTRICAL
SYMBOLS AND
ABBREVIATIONS

SHEET NUMBER:

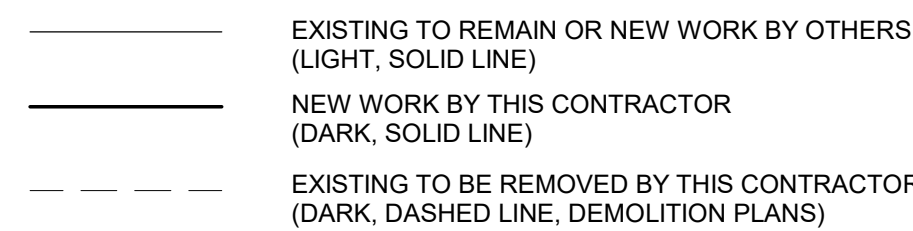
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SHEET NO. 42 OF 56
2024-07-12

DRAWING REFERENCES

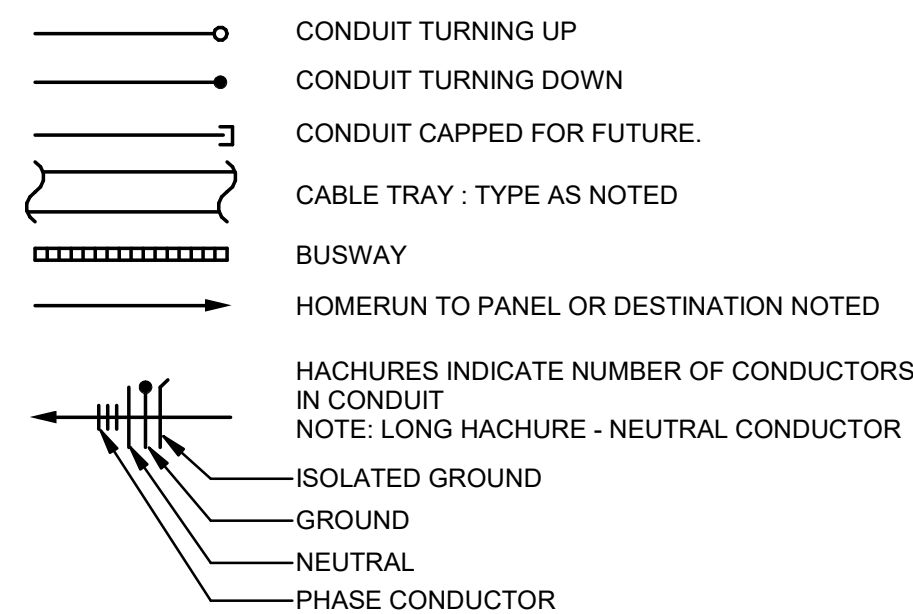


LINE TYPE LEGEND

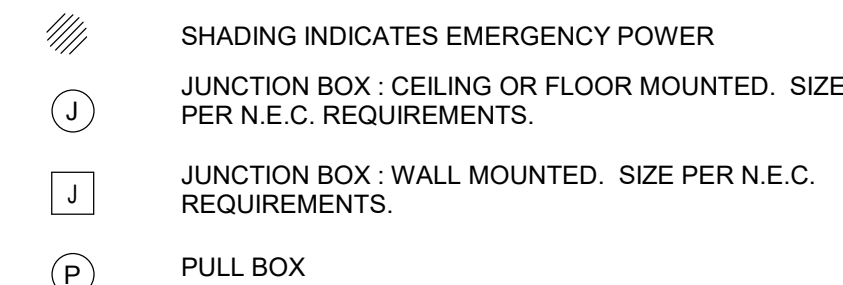


WIRING PLANS

- PROVIDE WIRING REQUIRED BY THE CIRCUITING AND SWITCHING REQUIREMENTS FOR THE PARTICULAR CIRCUITS INVOLVED. TYPICAL 120V HOMERUNS SHALL CONSIST OF #12 AWG CONDUCTORS IN 3/4" CONDUIT MINIMUM UNLESS INDICATED OTHERWISE. NO SHARED NEUTRALS SHALL BE ALLOWED. A MAXIMUM OF NINE CURRENT-CARRYING CONDUCTORS ARE ALLOWED IN A RACEWAY. NEUTRAL CONDUCTORS ARE ALSO CONSIDERED CURRENT-CARRYING CONDUCTORS. FOR CIRCUITS EXCEEDING 75'-0" IN LENGTH, PROVIDE THE NEXT LARGER WIRE SIZE FOR THE CIRCUIT AMPACITY.
- WHERE NUMBER OF CURRENT-CARRYING CONDUCTORS IN A RACEWAY EXCEEDS THREE, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE ADJUSTMENT FACTOR TABLE IN THE NATIONAL ELECTRIC CODE. LOAD DIVERSITY FACTORS SHALL NOT BE USED IN SIZING CONDUCTORS. NEUTRAL CONDUCTORS SHALL BE COUNTED AS CURRENT-CARRYING CONDUCTORS.



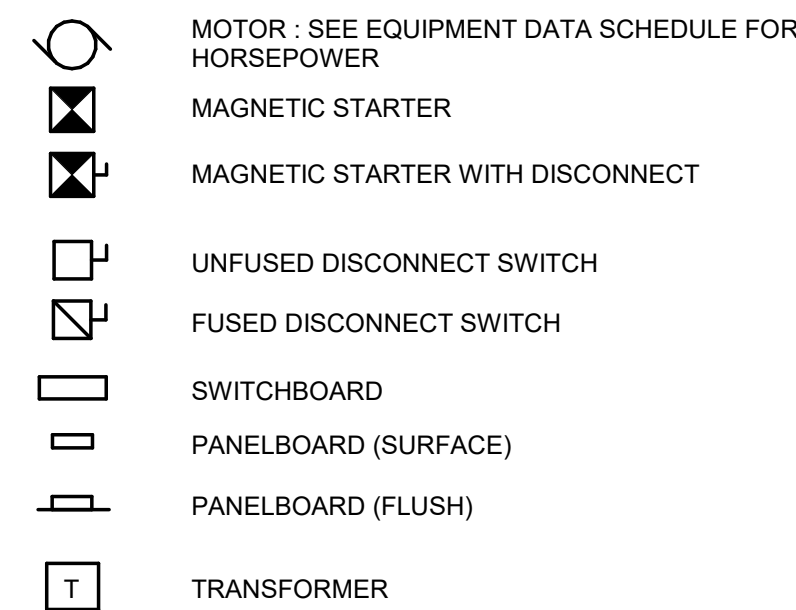
JUNCTION AND PULL BOXES



WIRING DEVICES, RECEPTACLES - MISC.

- TYPICAL MOUNTING HEIGHT: +18" A.F.F.
- SUBSCRIPT LEGEND:
A: ABOVE COUNTER: MOUNT +6" ABOVE BACKSPASH OR WORK SURFACE.
C: CEILING: MOUNT FLUSH WITHIN CEILING TILE OR GYPSUM BOARD.
SHADING INDICATES EMERGENCY POWER
SPECIAL PURPOSE OUTLET AS NOTED
SINGLE RECEPTACLE OUTLET
DUPLEX RECEPTACLE OUTLET
DUPLEX RECEPTACLE OUTLET : GFCI
DOUBLE DUPLEX RECEPTACLE OUTLET
ELECTRICAL CONNECTION: CEILING MOUNTED
ELECTRICAL CONNECTION: WALL MOUNTED

POWER EQUIPMENT



LIGHTING FIXTURES

- "NL" INDICATES UNSWITCHED LUMINAIRE
- NOTE THAT THE SIZE AND SHAPE OF FIXTURES AND ASSOCIATED HALF-SHADING VARY BY FIXTURE TYPE
- PROVIDE UNSWITCHED HOT CONDUCTOR TO FIXTURES WITH BATTERY BACK UP [ONBOARD UL 924 OR UL 1008 DEVICE]. [REFER TO UL 924 AND UL 1008 DETAILS FOR ADDITIONAL REQUIREMENTS.]
NO SHADING: NORMAL POWER
HALF-SHADING: CRITICAL POWER
HALF-SHADING: LIFE SAFETY POWER
A — UPPER CASE LETTER - FIXTURE MARK
lc — LOWER CASE LETTER - FIXTURE SWITCH LEG
NUMBER - FIXTURE CIRCUIT NUMBER
EXIT SIGH - SHADED AREA(S) DEPICT DIRECTION OF FACE
EXIT SIGH WITH DIRECTION ARROW

LINE VOLTAGE LIGHTING CONTROLS

- WHERE TWO OR MORE SWITCHES ARE SHOWN ADJACENT TO EACH OTHER, PROVIDE A COMMON GANG BOX WITH A SINGLE, SEAMLESS FACEPLATE.
- PROVIDE NEUTRAL AND UNSWITCHED HOT TO LINE VOLTAGE CONTROL DEVICE WHEN REQUIRED.
CEILING DUAL TECHNOLOGY OCCUPANCY DETECTION
TOGGLE SWITCH
SUBSCRIPT LEGEND:
3 : 3-WAY SWITCH
4 : 4-WAY SWITCH
P : PILOT LIGHT SWITCH
C : MOMENTARY CONTACT SWITCH
a, b, ... : LOWERCASE SUBSCRIPT INDICATES SWITCH LEG
OD : WALL OCCUPANCY DETECTION

TELECOMMUNICATIONS

- ALL TELECOMMUNICATION CONDUIT SHALL BE A MINIMUM OF 1" IN DIAMETER STUBBED TO NEAREST CABLE TRAY, UNLESS OTHERWISE NOTED. PROVIDE INSULATED BUSHINGS ON ALL RACEWAYS.
- ALL CABLES RUN EXPOSED IN STRUCTURE ABOVE OR ABOVE CEILINGS SHALL BE SUPPORTED BY OPEN STYLE BRIDLE RINGS OR J-HOOKS AT EVERY 5'-0" TO CABLE TRAYS.
- ALL TELECOMMUNICATION CABLING SHALL BE PLENUM-RATED.
- REFER TO THE TELECOMMUNICATIONS FACEPLATE DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS FOR THE FOLLOWING:
DATA OUTLET - WALL-MOUNTED

ELECTRICAL DEMOLITION NOTES

- REMOVE, CAP AND RELOCATE EQUIPMENT, OUTLETS, CONDUIT, WIRE, ETC., AS SHOWN AND SPECIFIED ON DRAWINGS, AND AS MAY BECOME NECESSARY BECAUSE OF EXISTING FIELD CONDITIONS. VISIBLY EXAMINE ALL EXISTING WALLS DESIGNATED FOR REMOVAL TO DETERMINE THE CONDUIT AND THE WIRING THAT WILL REQUIRE CAPPING AND REMOVAL, WHETHER OR NOT SUCH CONDITIONS ARE INDICATED ON THE DRAWINGS. FAILURE TO VISIT THE SITE AND TO TAKE ALL EXISTING CONDITIONS INTO ACCOUNT WILL NOT ALLOW FOR CHANGES TO THE SCOPE OF WORK.
- MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING FIXTURES, EQUIPMENT, OUTLETS, ETC., TO REMAIN IN USE WHETHER NOTED ON THE PLANS OR NOT. FIELD VERIFY EXISTING ITEMS TO REMAIN IN USE. RECONNECT RACEWAYS AND WIRING FOR EXISTING CIRCUITS WHICH MUST BE RE-ROUTED OR WHICH ARE PARTIALLY ABANDONED TO POWER THE REMAINING OUTLETS ON THE CIRCUIT.
- REMOVE ALL UNUSED WIRING AND CABLES BACK TO THEIR SOURCE. REMOVE ALL UNUSED CONDUIT THAT IS EXPOSED OR ABOVE ACCESSIBLE CEILINGS WHICH IS AFFECTED BY OR IS IN THE AREA OF THE DEMOLITION WORK.
- THE INTENTION OF THE ELECTRICAL DEMOLITION DRAWINGS IS TO DISCONNECT AND REMOVE ALL ELECTRICAL WORK MADE VOID BY THE SCOPE OF THE CONSTRUCTION AND ALTERATION. FIELD VERIFY EXACT MATERIAL QUANTITIES REQUIRED TO BE REMOVED.
- DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, ASSOCIATED RACEWAYS, SUPPORTING HARDWARE, AND WIRING, WHICH HAVE BEEN MADE OBSOLETE BY THE WORK OR IS SHOWN DASHED ON THE ELECTRICAL DEMOLITION DRAWINGS, UNLESS OTHERWISE NOTED. ALTHOUGH AN ATTEMPT HAS BEEN MADE TO INDICATE ALL OF THIS WORK, TOTAL ACCURACY IS NOT GUARANTEED. VISIBLY EXAMINE ALL AREAS AND WALLS AND CEILINGS SCHEDULED FOR REMOVAL TO DETERMINE EXISTING ELECTRICAL ITEMS TO REMAIN.
- WHERE ELECTRICAL EQUIPMENT, CONDUIT, BOXES, AND SUPPORTING HARDWARE ARE REMOVED, PATCH AND FINISH THE SURFACE AS REQUIRED TO MATCH THE EXISTING, USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE.
- WHERE BURIED CONDUITS EXTENDING OUT OF A CONCRETE SLAB BECOME ABANDONED, CUT AND GRIND THE CONDUITS OFF FLUSH WITH TOP OF SLAB AND PLUG WITH NON-SHRINK WATERPROOF GROUT FILL.
- TAKE ALL REMOVED MATERIALS FROM THE PROJECT SITE, EXCEPT FOR THOSE TO BE RELOCATED, STORED, OR TURNED OVER TO THE OWNER.
- ACCEPTANCE OF CONTRACT MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.
- COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.
- PROVIDE A BLANK COVER OVER THE OUTLET WHERE A FLUSH DEVICE IS BEING REMOVED FROM FLOORS AND WALLS THAT ARE TO REMAIN. MATCH THE COLOR AND MATERIAL TO THE EXISTING REMAINING COVERS IN THE ROOM OR SPACE.
- LEGALLY DISPOSE OF HAZARDOUS MATERIALS AND BALLASTS OR OTHER EQUIPMENT CONTAINING PCBs AND LAMPS CONTAINING MERCURY. COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS.
- MODIFY EXISTING PANEL DIRECTORIES (OR REPLACE) FOR PANELBOARDS WHICH HAVE HAD ALTERATIONS TO THE CIRCUITS ORIGINATING THEREIN. DESCRIBE THE LOAD AND LOCATION. TYPE, DO NOT HAND LETTER NEW PANELBOARD DIRECTORIES.

ELECTRICAL GENERAL NOTES

- MAKE ALL INSTALLATIONS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND/OR ARCHITECTURAL BARRIERS ACT (ABA).
- MOUNTING HEIGHTS INDICATED WITHIN PLANS AND SCHEDULES ARE DIMENSIONED TO THE CENTER LINE OF THE DEVICE, EQUIPMENT, LUMINAIRE, ETC. UNLESS OTHERWISE NOTED.
- COORDINATE EXACT EQUIPMENT LOCATIONS WITH OTHER TRADES. EQUIPMENT LOCATIONS SHOWN ON ELECTRICAL PLANS ARE DIAGRAMMATICAL ONLY AND MIGHT NOT BE EXACT.
- CIRCUIT IDENTIFICATION NUMBERS BESIDE ELECTRICAL DEVICES AND CONNECTION POINTS ON PLANS CORRESPOND TO AN OVERCURRENT DEVICE IN THE DESIGNATED PANELBOARD. NOTE ALL CIRCUIT NUMBER CHANGES MADE IN THE FIELD AT EACH ELECTRICAL DEVICE AND CONNECTION POINT. ALSO CORRECT THE DIRECTORIES AND DEVICE MARKINGS AT PANELBOARDS, SWITCHBOARDS AND SWITCHGEAR TO ACCURATELY REFLECT THE AS-BUILT CONDITIONS.
- INSTALL EMERGENCY AND EXIT LUMINAIRE WIRING IN A SEPARATE RACEWAY FROM THAT OF ANY NORMAL POWER DEVICE.
- CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILINGS, AND IN FLOOR SLABS, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT ROUTED IN MECHANICAL ROOMS, ELECTRICAL ROOMS, AND STORAGE ROOMS WITHOUT CEILINGS MAY BE ROUTED EXPOSED.
- COORDINATE VERTICAL CONDUIT ROUTING TO WALL MOUNTED DEVICES TO ENSURE DEVICES LOCATED WITHIN AN 18-INCH HORIZONTAL DIMENSION WILL BE CENTER-ALIGNED VERTICALLY.
- CONCEAL ELECTRICAL CONNECTIONS FOR ELECTRIC WATER COOLERS (EWC) BEHIND WATER COOLER ACCESS PLATE OR DIRECTLY BELOW AND CENTERED ON WALL.
- FIELD COORDINATE ALL ELECTRICAL AND TELECOMMUNICATIONS EQUIPMENT MOUNTING LOCATIONS TO AVOID ENCRoACHMENT OF OPERATION AND ACCESS TO EQUIPMENT FROM OTHER TRADES. COORDINATE THE APPROPRIATE MOUNTING LOCATION WITH THE AFFECTED DISCIPLINES WHEN EQUIPMENT IS SPECIFIED TO BE MOUNTED ONTO THE SURFACE OF ANOTHER DISCIPLINE'S EQUIPMENT.
- REPAIR ALL OPENINGS MADE IN EXISTING WALLS, PARTITIONS, ETC TO ACCOMMODATE WORK OF THIS DISCIPLINE TO MATCH THE SURROUNDING CONDITIONS, USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE. APPROPRIATELY GROUT OR SEAL ALL CONDUITS THROUGH WALLS.
- ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS MUST HAVE BEEN TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS.
- INSTALL A PERMANENT DIRECTORY ACCORDING TO THE NATIONAL ELECTRICAL CODE, ARTICLE 230 AT EACH SERVICE ENTRANCE AND POWER SOURCE.
- PERFORM ALL WELDING ACCORDING TO AMERICAN WELDING SOCIETY STANDARDS. FURNISH CERTIFICATES QUALIFYING EACH WELDER TO THE ARCHITECT OR ENGINEER PRIOR TO START OF WORK. THE ARCHITECT OR ENGINEER RESERVES THE RIGHT TO REQUIRE QUALIFYING DEMONSTRATION, AT NO ADDITIONAL EXPENSE, OF ANY WELDERS ASSIGNED TO THE JOB.
- REPLACE OR REINSTALL ALL PORTIONS OF THE BUILDING (CEILING TILES, WALLS, ETC) REMOVED TO ACCOMMODATE THE INSTALLATION OF ANY ELECTRICAL DEVICE, EQUIPMENT, ETC., USING WORKERS QUALIFIED IN THE APPROPRIATE TRADE.
- COORDINATE LUMINAIRE LOCATIONS SUCH THAT LUMINAIRES RUN PARALLEL TO THE FACE OF THE EQUIPMENT AND OVER AISLES BETWEEN EQUIPMENT IN ALL MECHANICAL AND ELECTRICAL EQUIPMENT AREAS. INSTALL AT PROPER LOCATIONS AND HEIGHTS TO PROPERLY ILLUMINATE ALL GAGES, PANELS, ELECTRICAL EQUIPMENT, CONTROLS, VALVES, ETC. CHAIN HANGING, STEM HANGING, CHANNEL HANGING, ETC. ARE ACCEPTABLE METHODS.



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DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
ELECTRICAL ELEV
1,2,3,4,5,6,7,8,13,14 -
DEMOLITION

SHEET NUMBER:

ED-101

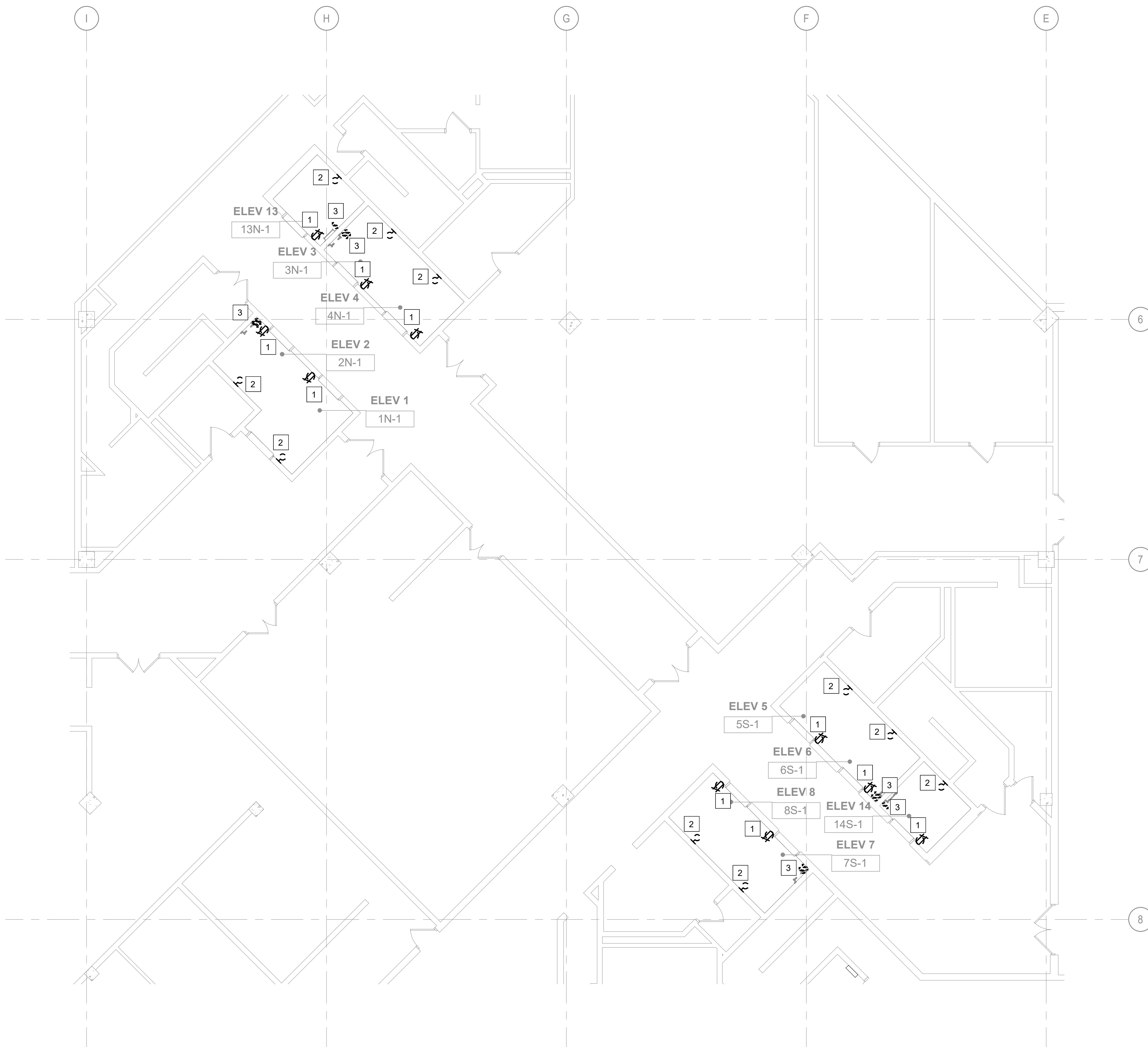
SHEET NO. 43 OF 56
2024-07-12

GENERAL NOTES

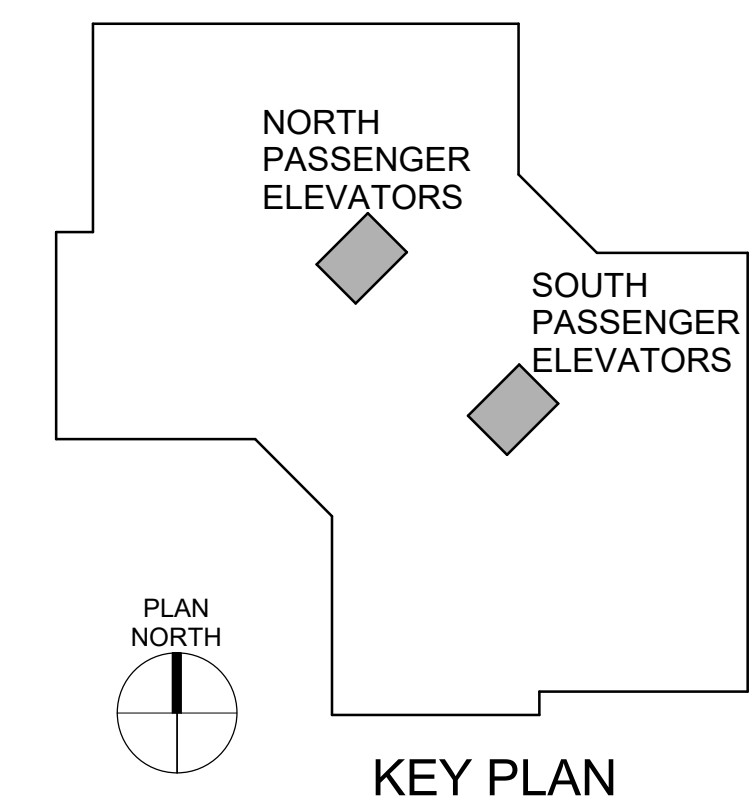
A. REFER TO ELECTRICAL DEMOLITION NOTES ON SHEET
E-000.

SHEET KEYNOTES

1. REMOVE RECEPTACLE INCLUDING ALL ASSOCIATED WIRING
BACK TO SOURCE. MAINTAIN CONDUIT SYSTEM FOR
CONNECTION OF NEW DEVICE. SEE NEW WORK PLAN FOR
ADDITIONAL INFORMATION.
2. REMOVE LIGHT FIXTURE INCLUDING ALL ASSOCIATED
WIRING BACK TO SOURCE. MAINTAIN CONDUIT SYSTEM FOR
CONNECTION OF NEW LIGHT FIXTURE. SEE NEW WORK
PLAN FOR ADDITIONAL INFORMATION.
3. REMOVE TOGGLE SWITCH(ES) INCLUDING ALL ASSOCIATED
WIRING BACK TO SOURCE. MAINTAIN CONDUIT SYSTEM FOR
CONNECTION OF NEW SWITCH(ES). SEE NEW WORK PLAN
FOR ADDITIONAL INFORMATION.



1 1ST FLOOR ELECTRICAL PLAN - DEMO
1/8" = 1'-0"



KEY PLAN



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MANAGEMENT,
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CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL
ELEVATORS 9 & 10 -
DEMOLITON**

SHEET NUMBER:

ED-102

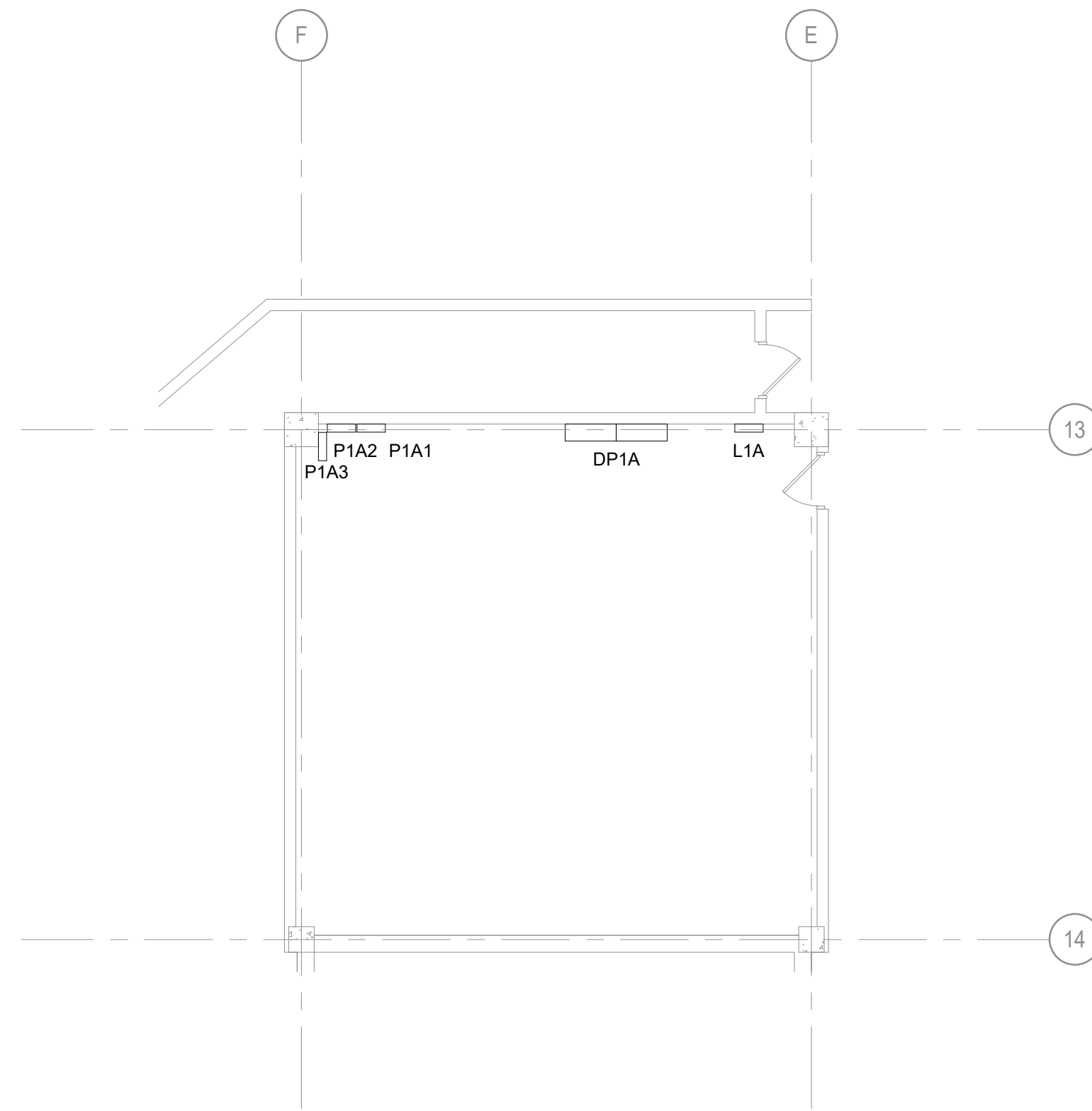
SHEET NO. 44 OF 56
2024-07-12

GENERAL NOTES

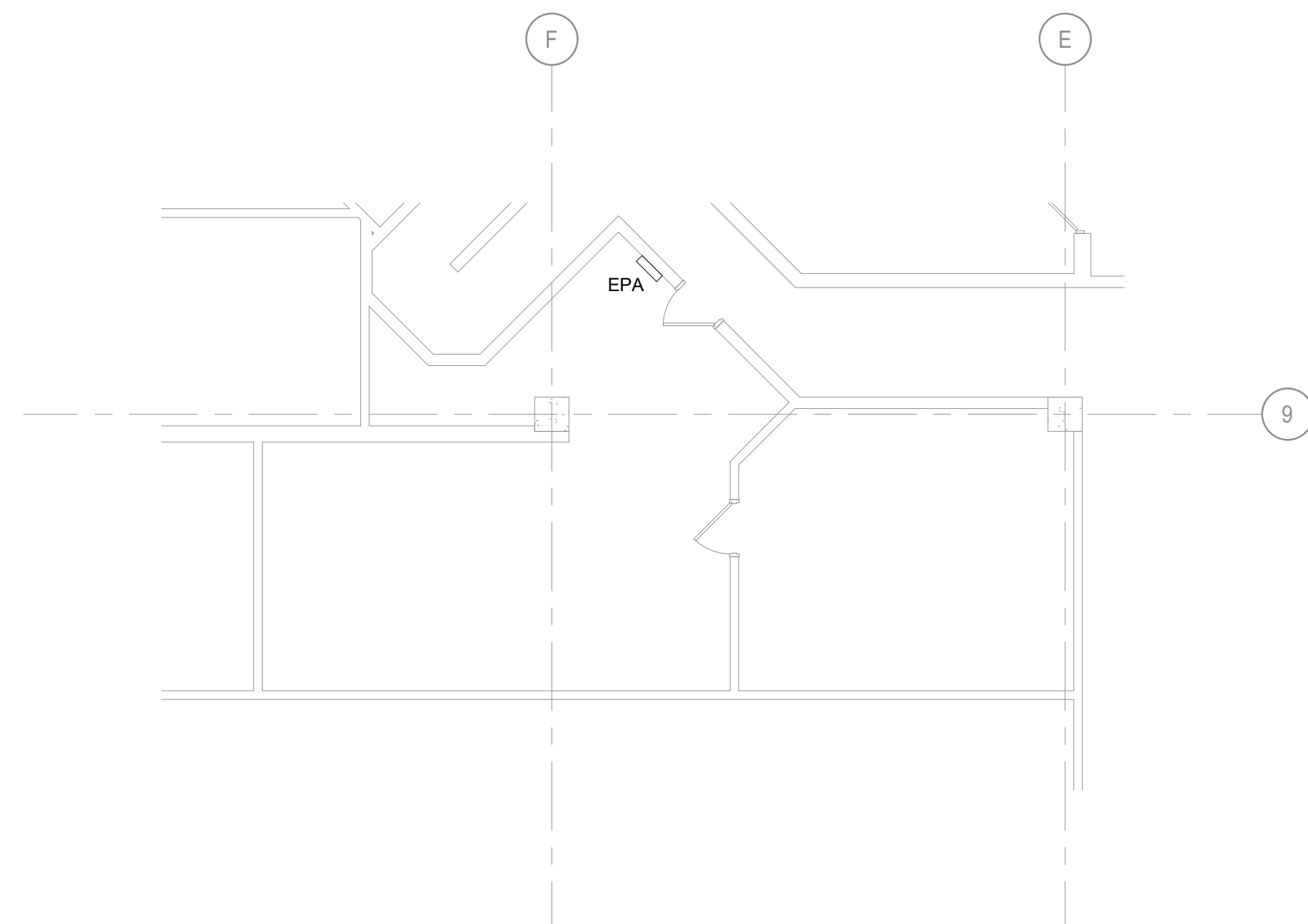
A. REFER TO ELECTRICAL DEMOLITION NOTES ON SHEET
E-000.

SHEET KEYNOTES

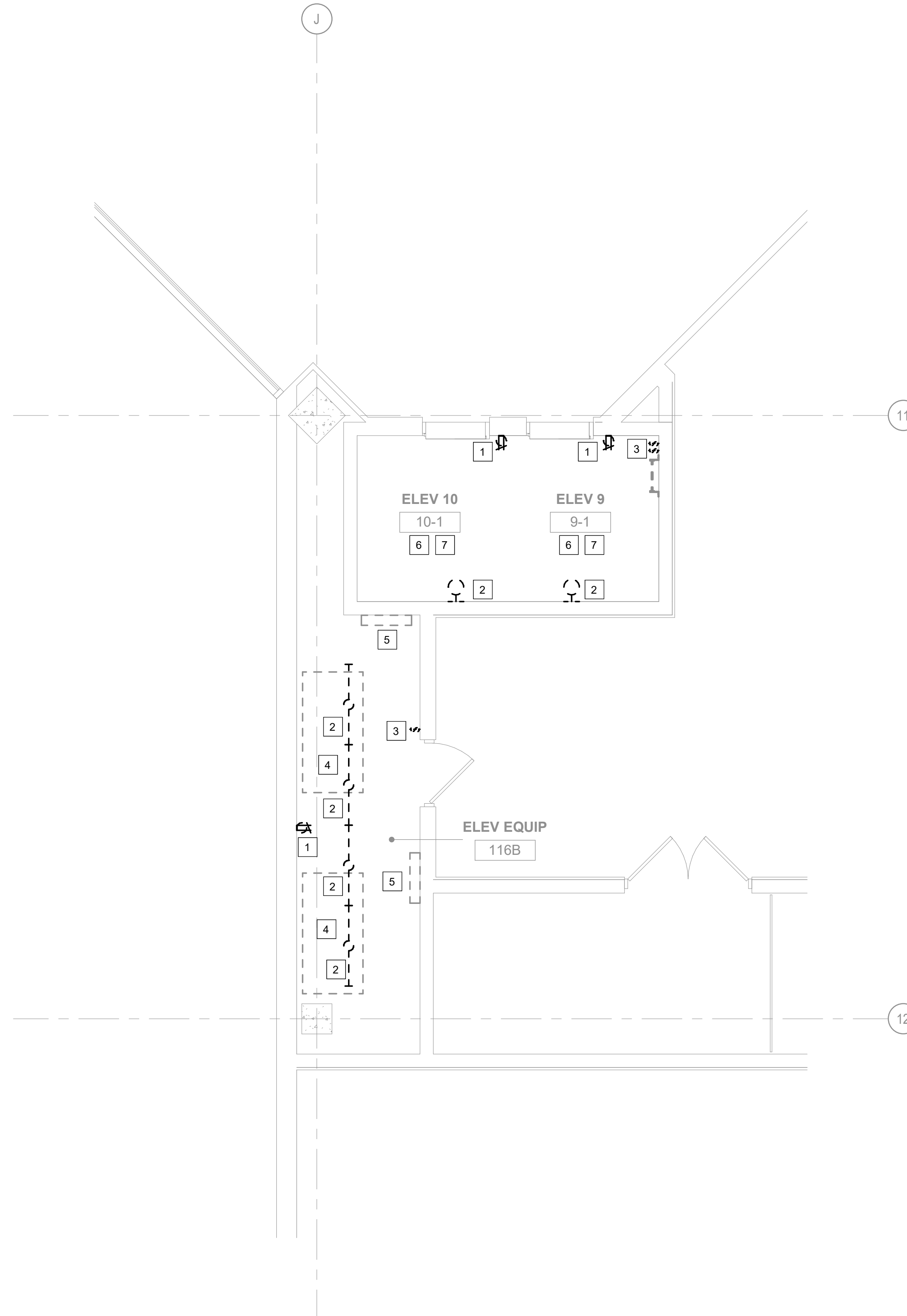
1. REMOVE RECEPTACLE INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE (P1A). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
2. REMOVE LIGHT FIXTURE INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE (PIT LIGHTS P1A, MACHINE ROOM LIGHTS L1A). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
3. REMOVE TOGGLE SWITCH(ES) INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE. MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH(ES). SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
4. DISCONNECT AND REMOVE POWER TO ELEVATOR MOTOR INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE.
5. DISCONNECT AND REMOVE POWER TO ELEVATOR CONTROL PANEL INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (DP1A).
6. DISCONNECT AND REMOVE POWER TO ELEVATOR CAB LIGHTING INCLUDING ALL ASSOCIATED DISCONNECTS, RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (EPA).
7. DISCONNECT AND REMOVE ELEVATOR CAB PHONE WIRING. MAINTAIN EXISTING WIRING FOR CONNECTION TO NEW ELEVATOR CAB. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.



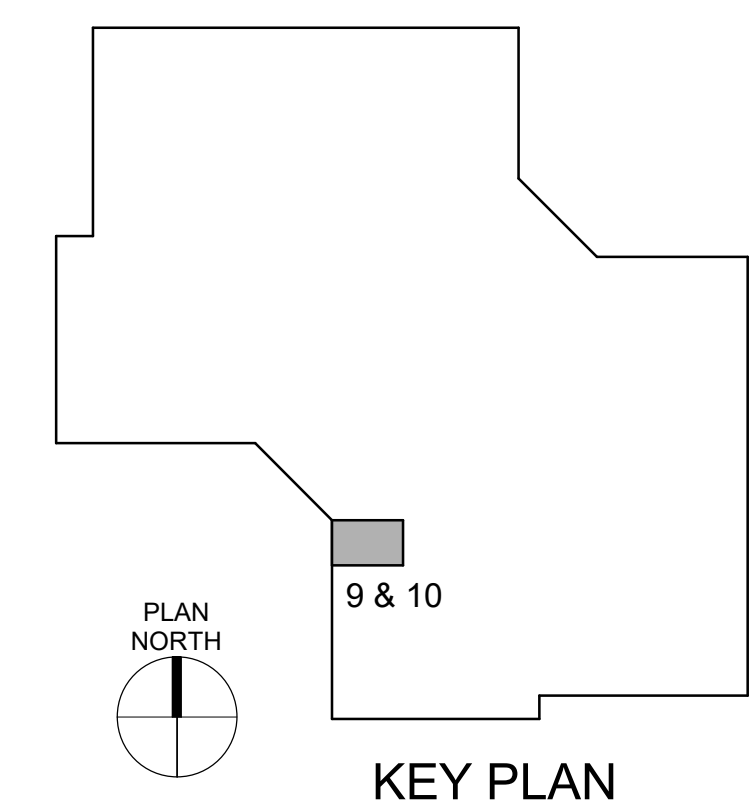
2 **1ST FLOOR ELECTRICAL ROOM 115 - DEMO**
1/8" = 1'-0"



3 **1ST FLOOR ELECTRICAL ROOM 114A - DEMO**
1/8" = 1'-0"



1 **1ST FLOOR ELECTRICAL ELEVATORS 9 & 10 - DEMO**
1/4" = 1'-0"





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T: 314.918.8393
F: 314.918.1766
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DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL
ELEVATOR 11 -
DEMOLITION**

SHEET NUMBER:

ED-103

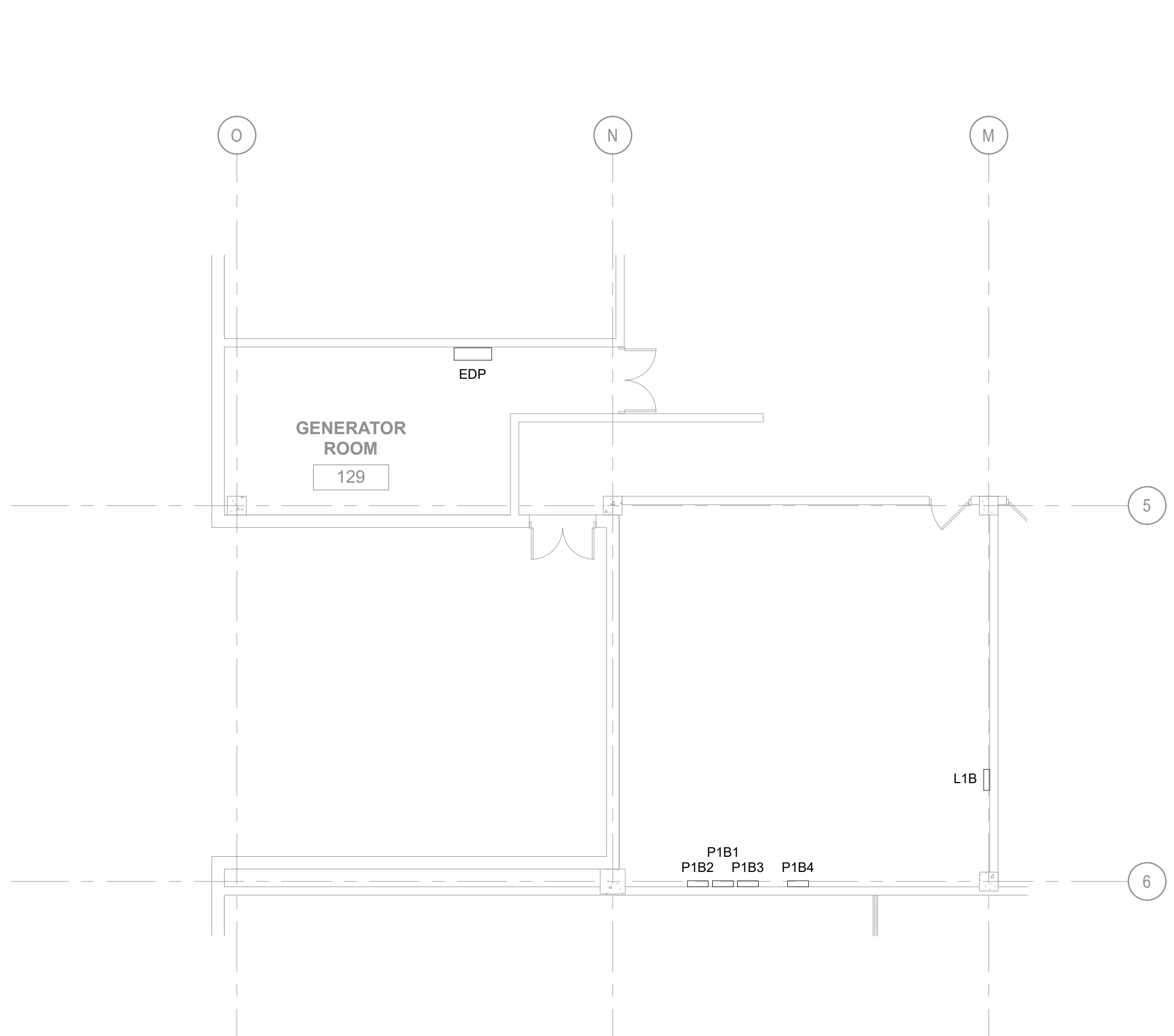
SHEET NO. 45 OF 56
2024-07-12

GENERAL NOTES

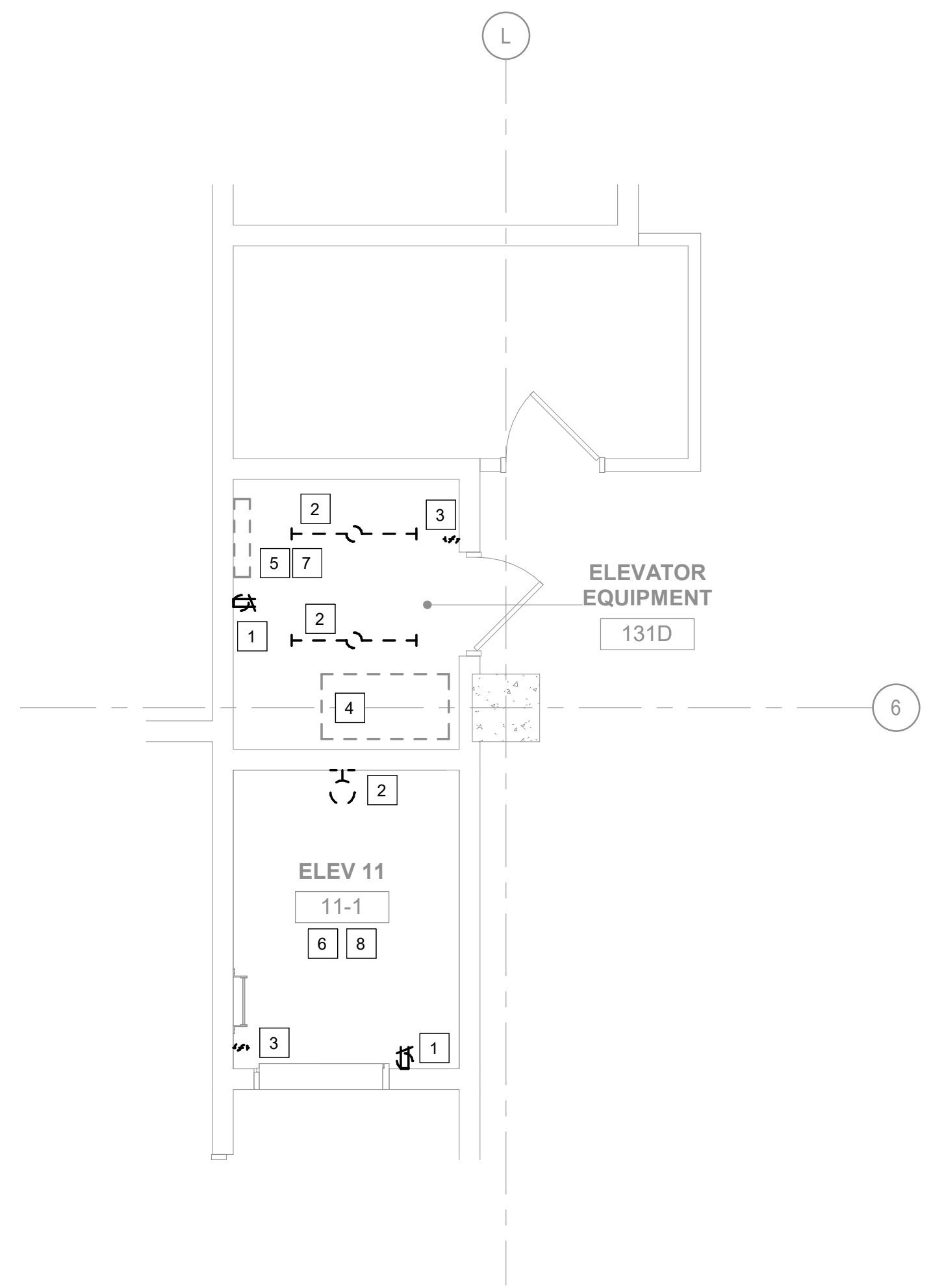
A. REFER TO ELECTRICAL DEMOLITION NOTES ON SHEET E-000.

SHEET KEYNOTES

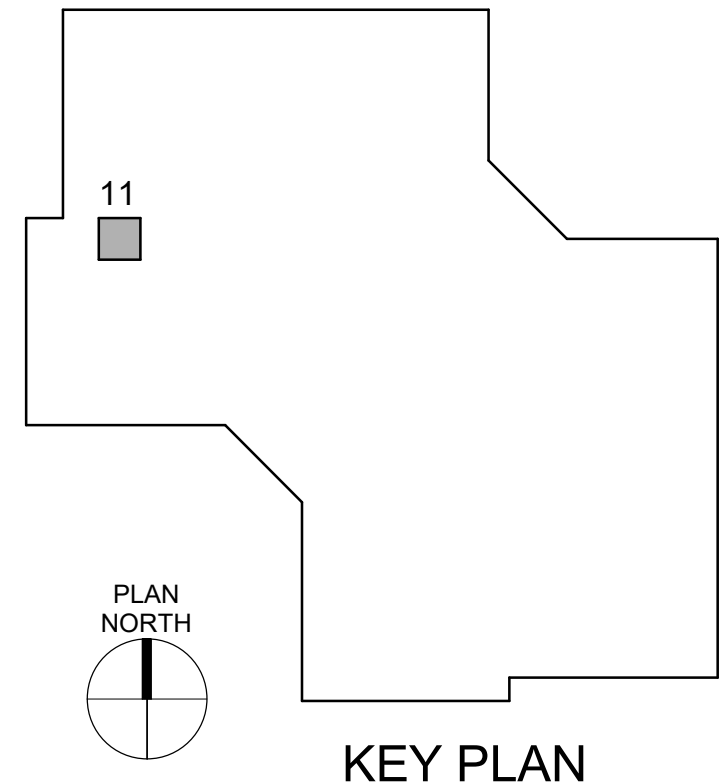
1. REMOVE RECEPTACLE INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE (P1B). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
2. REMOVE LIGHT FIXTURE INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE (PIT LIGHTS P1B, MACHINE ROOM LIGHTS L1B). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
3. REMOVE TOGGLE SWITCH(ES) INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE. MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH(ES). SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
4. DISCONNECT AND REMOVE POWER TO ELEVATOR MOTOR INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE.
5. DISCONNECT AND REMOVE POWER TO ELEVATOR CONTROL PANEL INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (EDP).
6. DISCONNECT AND REMOVE POWER TO ELEVATOR CAB LIGHTING INCLUDING ALL ASSOCIATED DISCONNECTS, RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (EPA).
7. DISCONNECT AND REMOVE ADDRESSABLE CONTROL RELAYS AND MONITOR MODULES. MAINTAIN EXISTING WIRING FOR CONNECTION TO NEW FIRE ALARM DEVICES. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
8. DISCONNECT AND REMOVE ELEVATOR CAB PHONE WIRING. MAINTAIN EXISTING WIRING FOR CONNECTION TO NEW ELEVATOR CAB. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.



2 1ST FLOOR ELECTRICAL ROOM 125 AND 129 - DEMO
1/8" = 1'-0"



1 1ST FLOOR ELECTRICAL ELEVATOR 11 - DEMO
1/4" = 1'-0"



KEY PLAN



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DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL
ESCALATORS -
DEMOLITION**

SHEET NUMBER:

ED-104

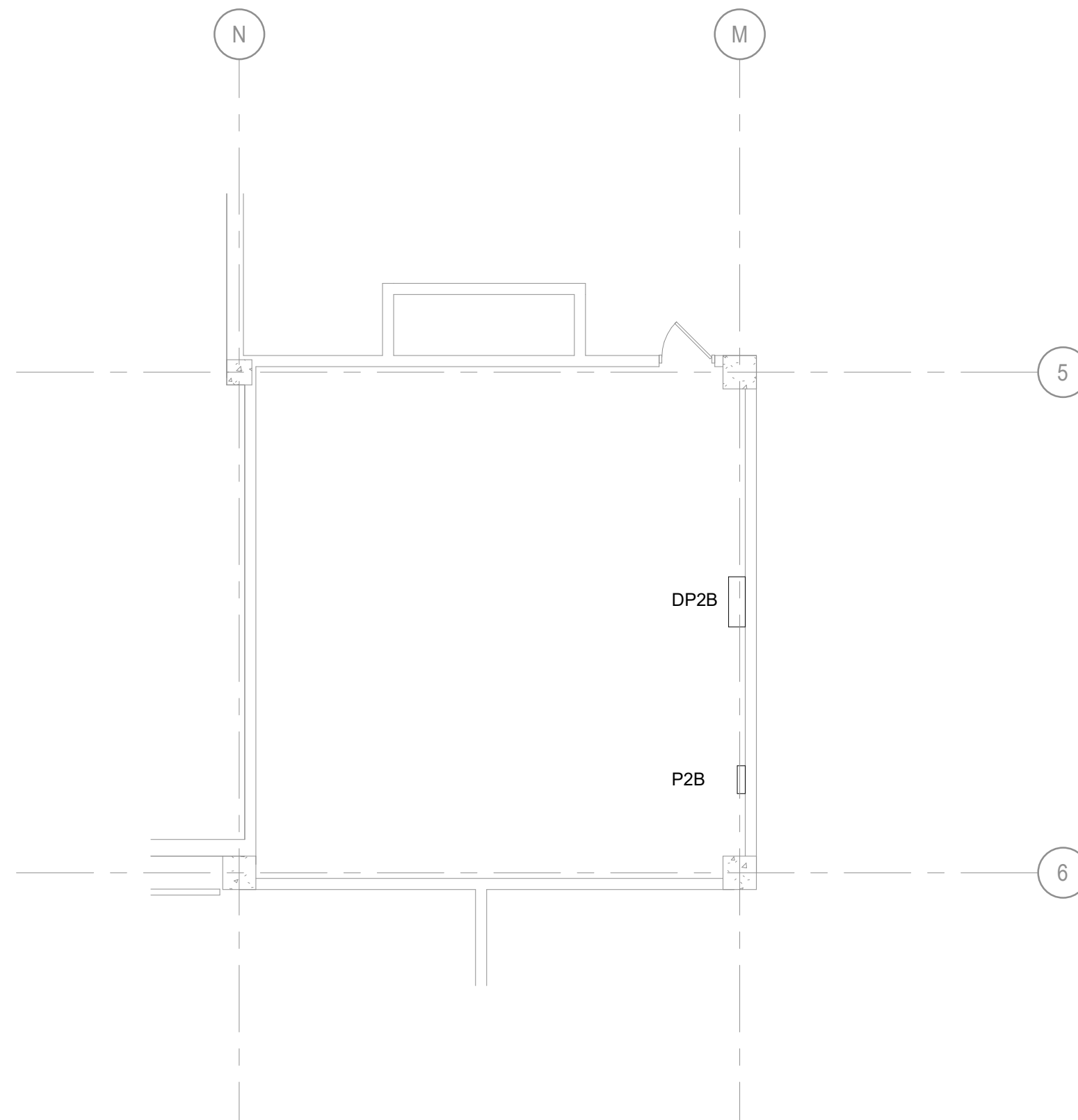
SHEET NO. 46 OF 56
2024-07-12

GENERAL NOTES

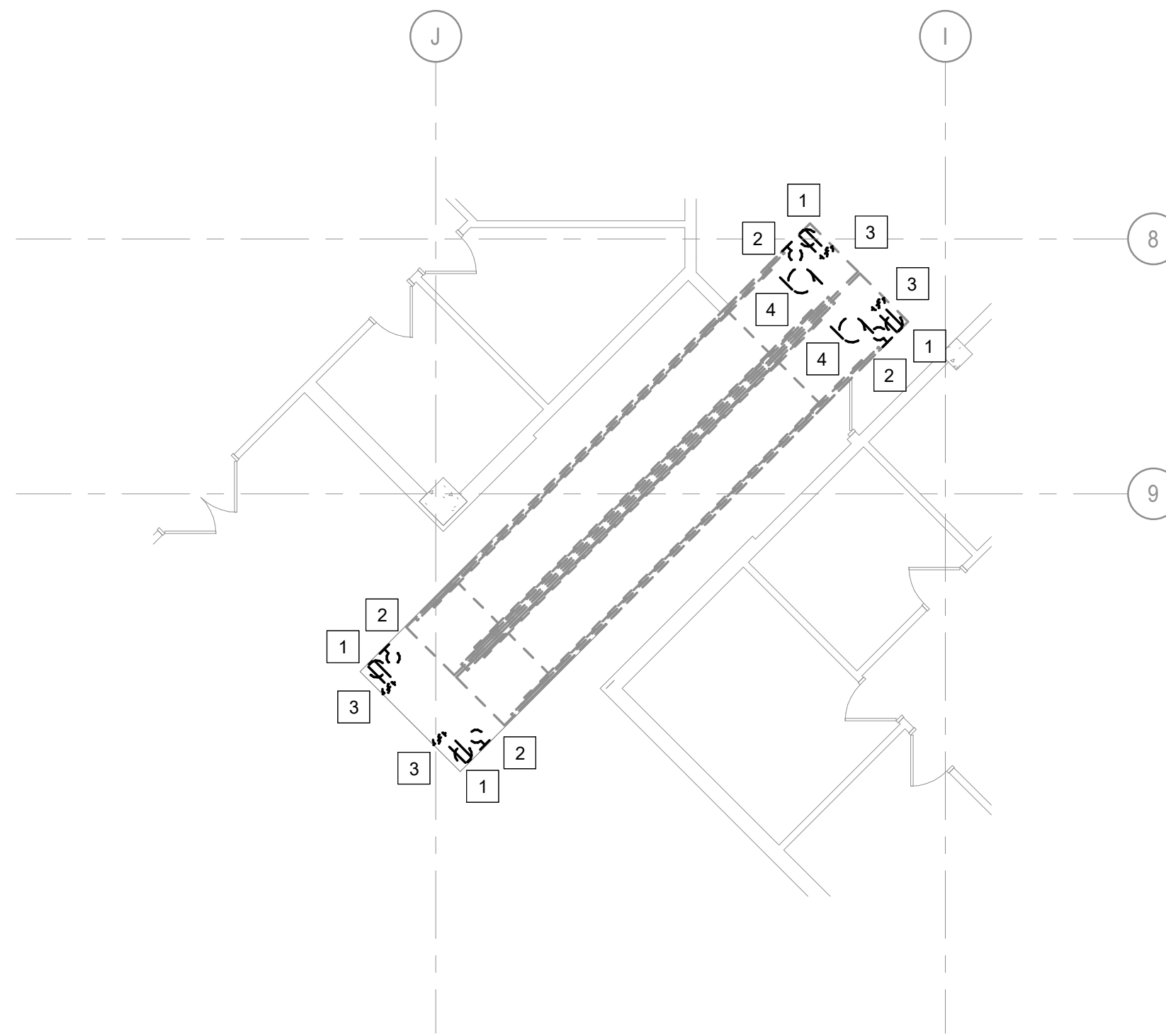
A. REFER TO ELECTRICAL DEMOLITION NOTES ON SHEET
E-000.

SHEET KEYNOTES

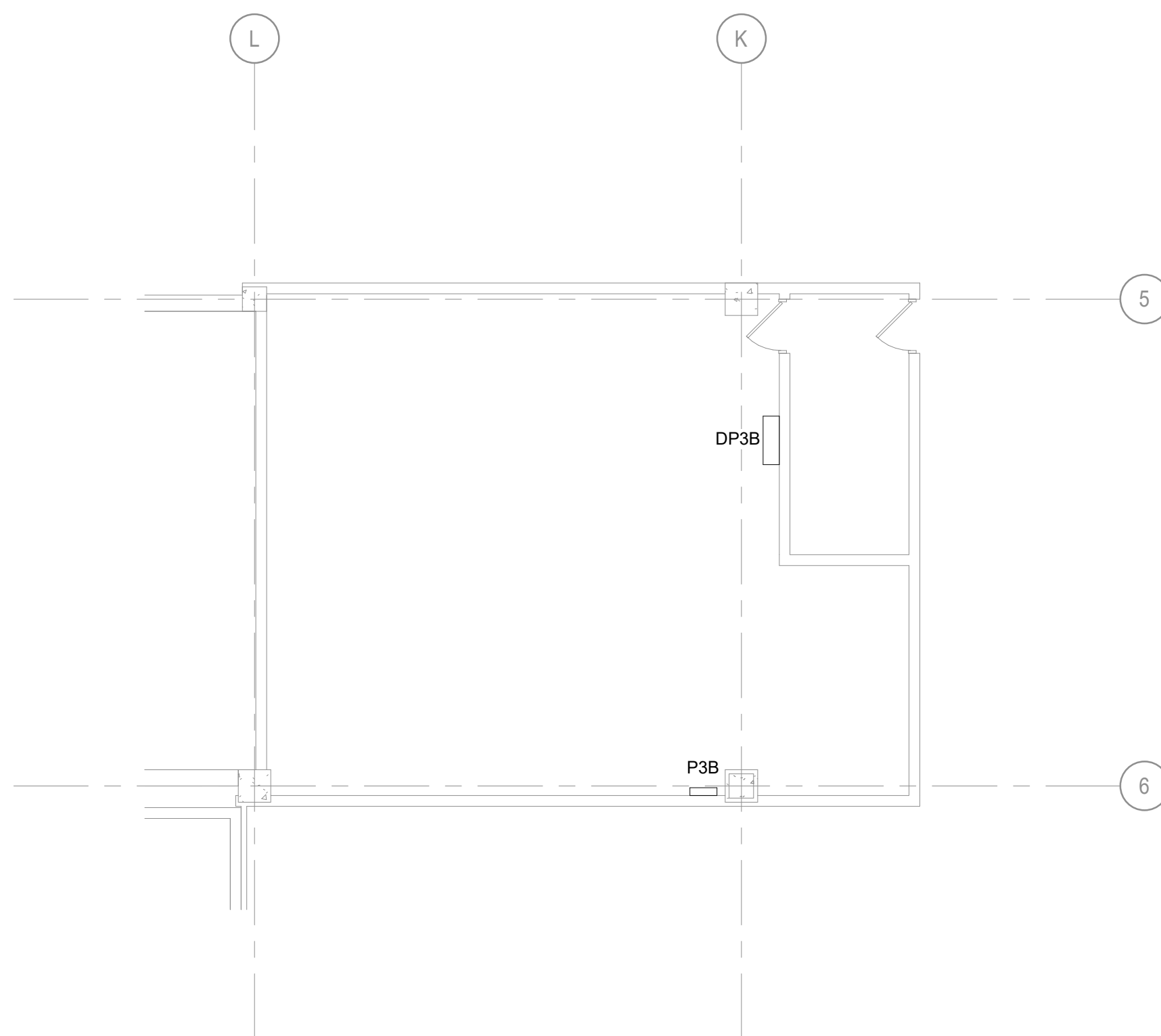
1. REMOVE RECEPTACLE INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE (P2B, P3B). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
2. REMOVE LIGHT FIXTURE INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE (P2B, P3B). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
3. REMOVE TOGGLE SWITCH(ES) INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE. MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH(ES). SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
4. DISCONNECT AND REMOVE POWER TO ESCALATOR MOTOR INCLUDING ALL ASSOCIATED WIRING BACK TO THE SOURCE (DP2B, DP3B). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW MOTOR. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.



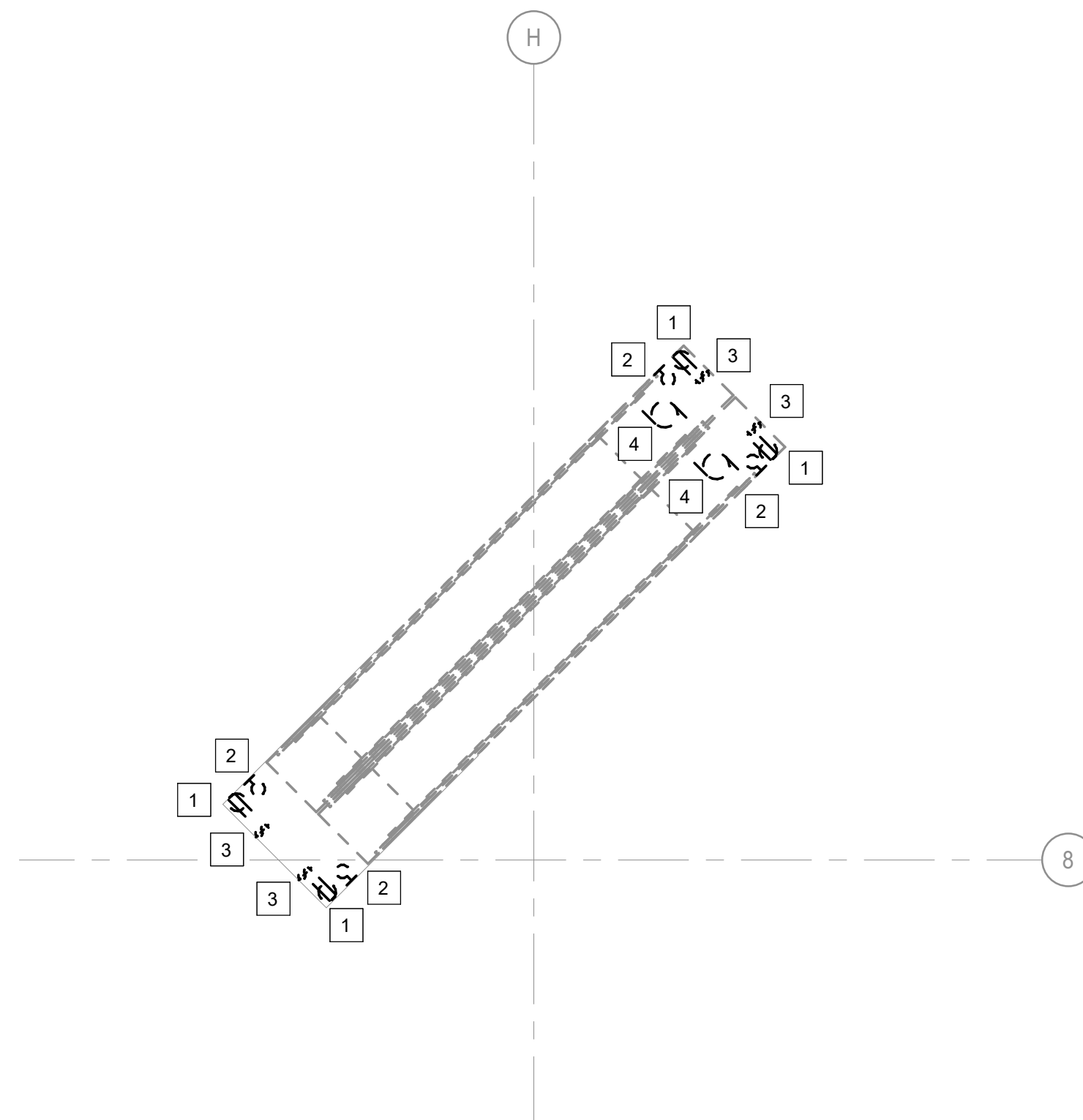
2 2ND FLOOR ELECTRICAL ROOM 217 - DEMO
1/8" = 1'-0"



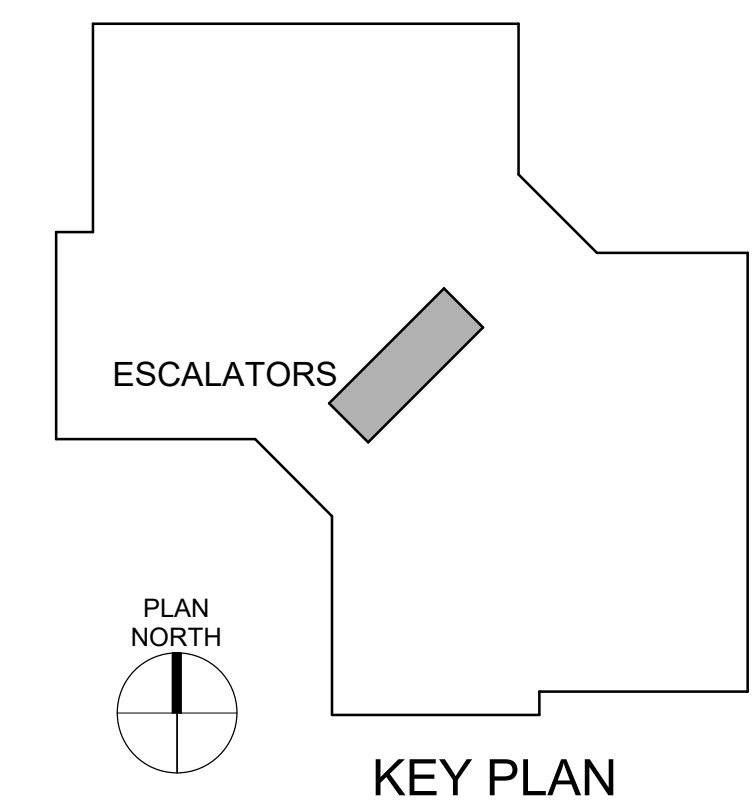
1 1ST FLOOR ELECTRICAL ESCALATOR PLAN - DEMO
1/8" = 1'-0"



4 3RD FLOOR ELECTRICAL ROOM 317 - DEMO
1/8" = 1'-0"



3 2ND FLOOR ELECTRICAL ESCALATOR PLAN - DEMO
1/8" = 1'-0"





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T: 314.918.8383
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DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL
ESCALATORS -
DEMOLITION**

SHEET NUMBER:

ED-105

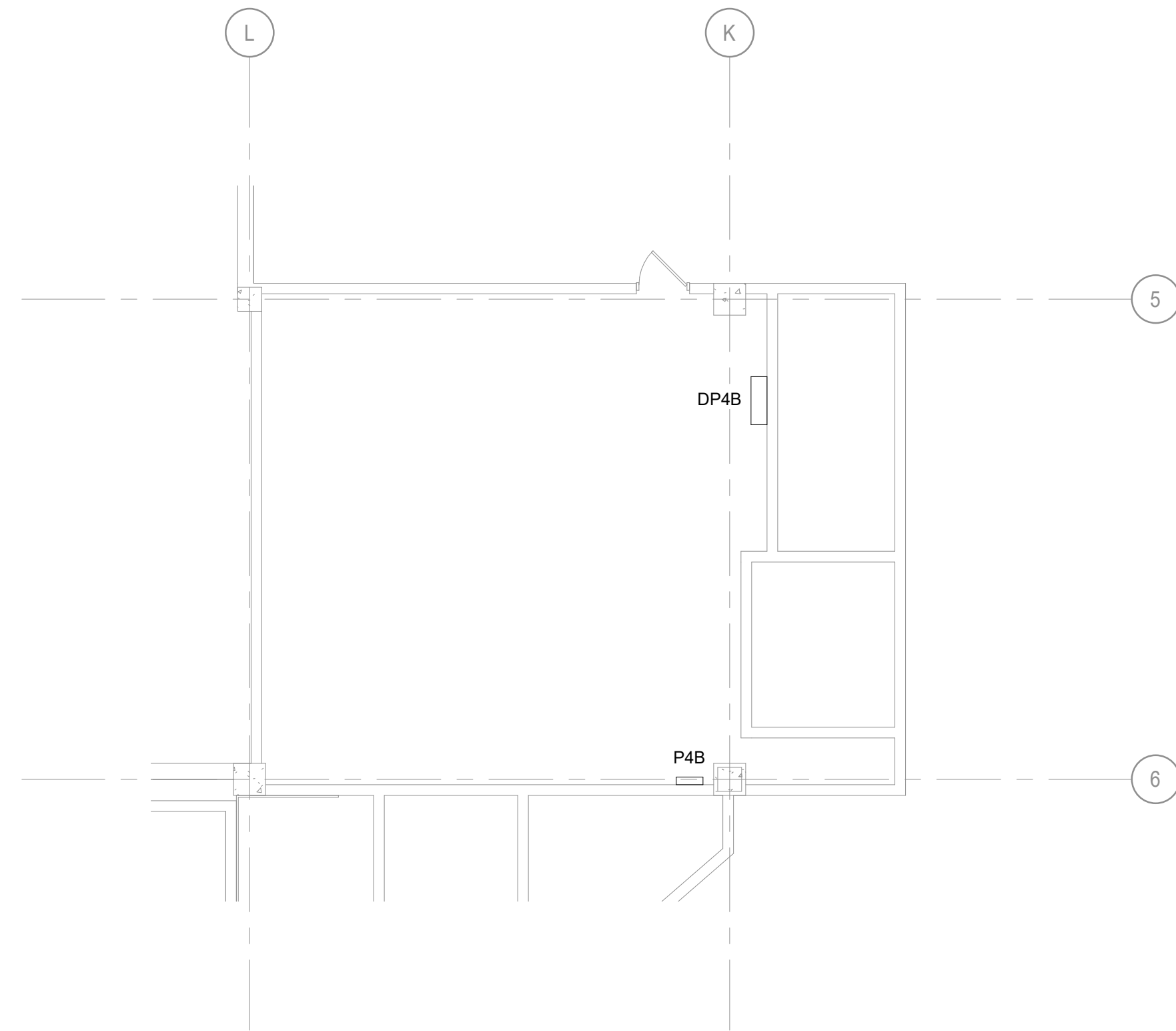
SHEET NO. 47 OF 56
2024-07-12

GENERAL NOTES

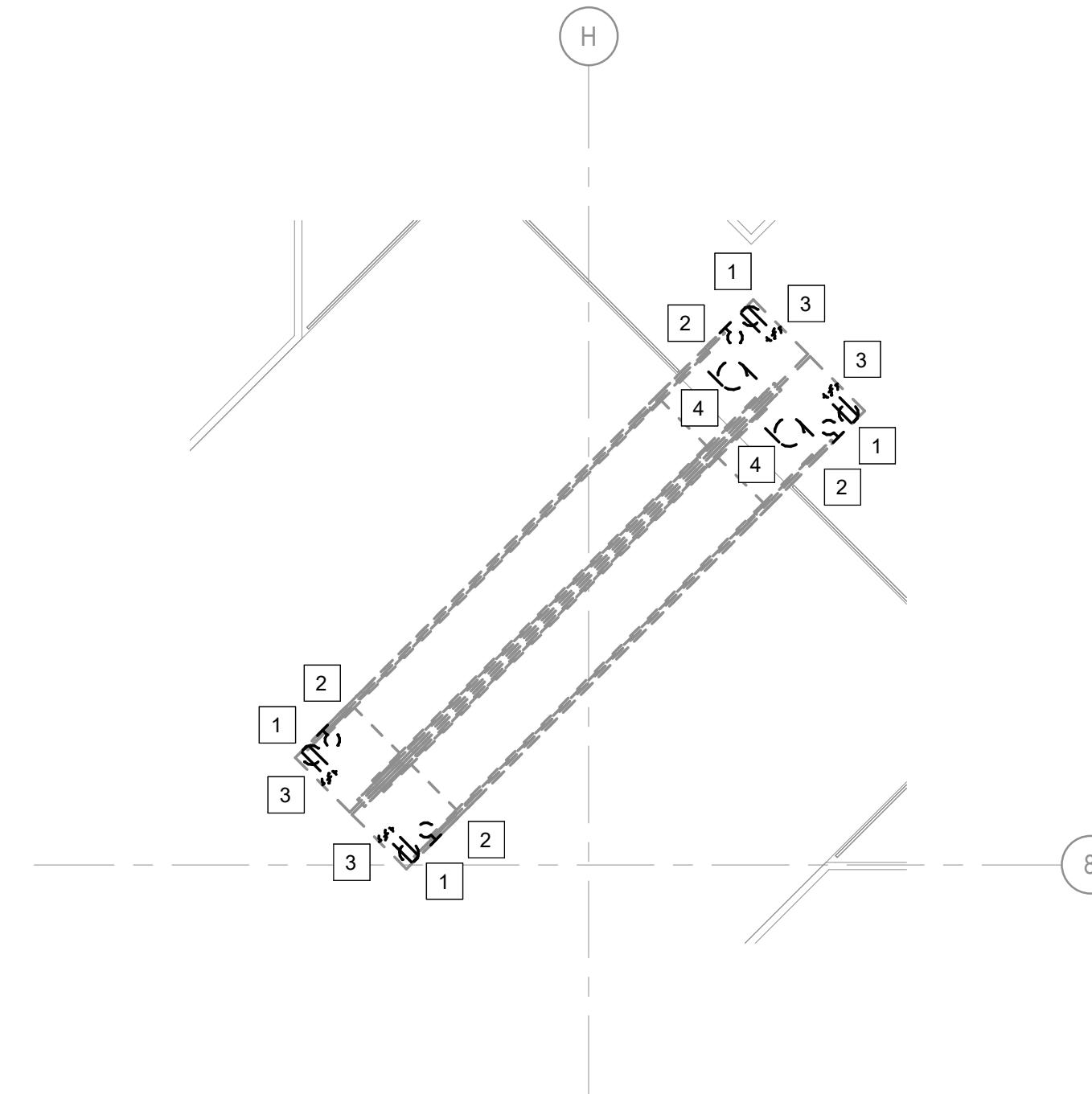
A. REFER TO ELECTRICAL DEMOLITION NOTES ON SHEET
E-000.

SHEET KEYNOTES

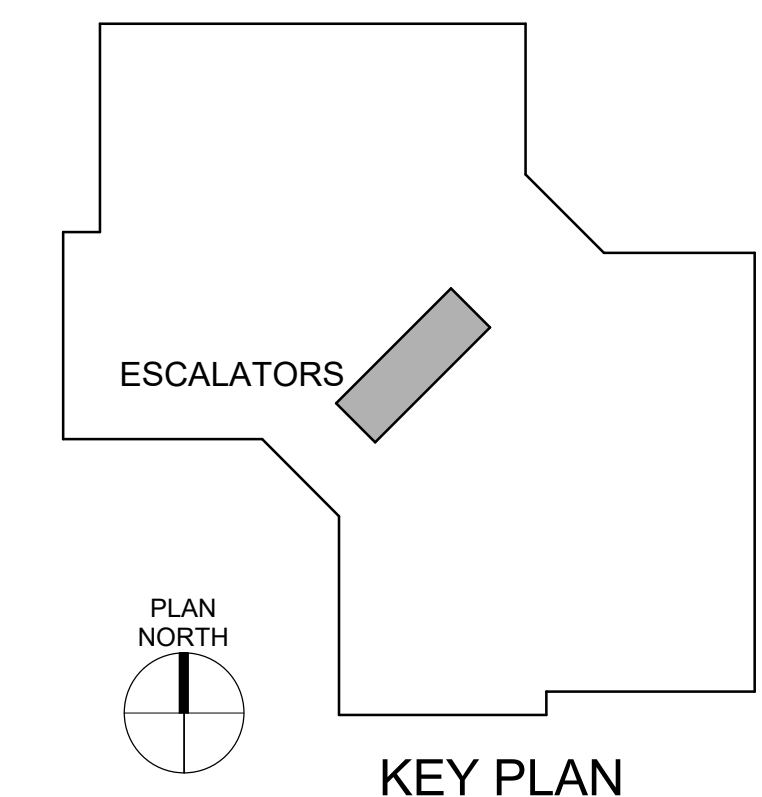
1. REMOVE RECEPTACLE INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE (P4B). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
2. REMOVE LIGHT FIXTURE INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE (P4B). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
3. REMOVE TOGGLE SWITCH(ES) INCLUDING ALL ASSOCIATED WIRING BACK TO SOURCE. MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH(ES). SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
4. DISCONNECT AND REMOVE POWER TO ESCALATOR MOTOR INCLUDING ALL ASSOCIATED WIRING BACK TO THE SOURCE (DP4B). MAINTAIN CONDUIT SYSTEM FOR CONNECTION OF NEW MOTOR. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.



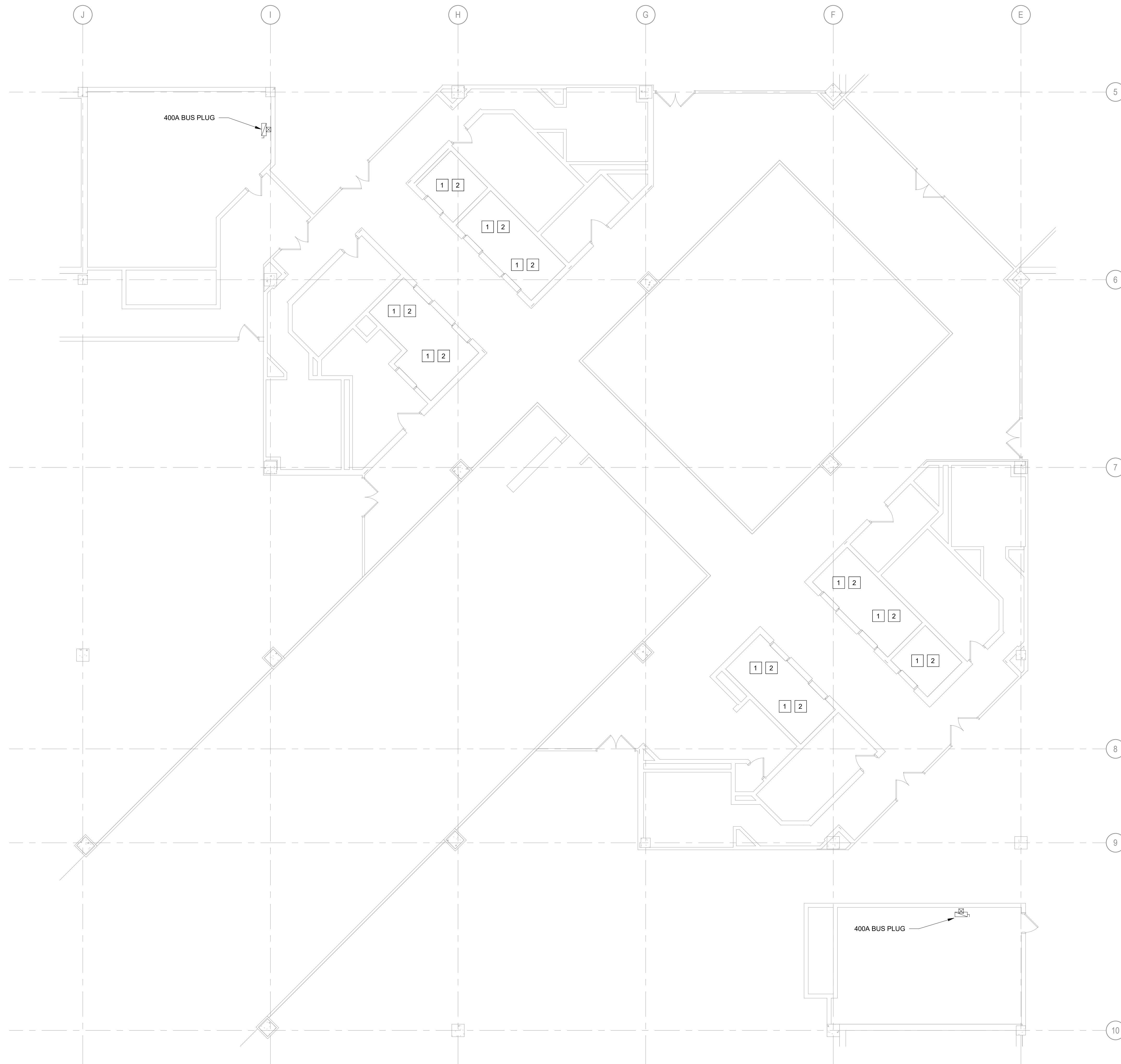
2 **4TH FLOOR ELECTRICAL ROOM 444 - DEMO**
1/8" = 1'-0"



1 **3RD FLOOR ELECTRICAL ESCALATOR PLAN - DEMO**
1/8" = 1'-0"



KEY PLAN



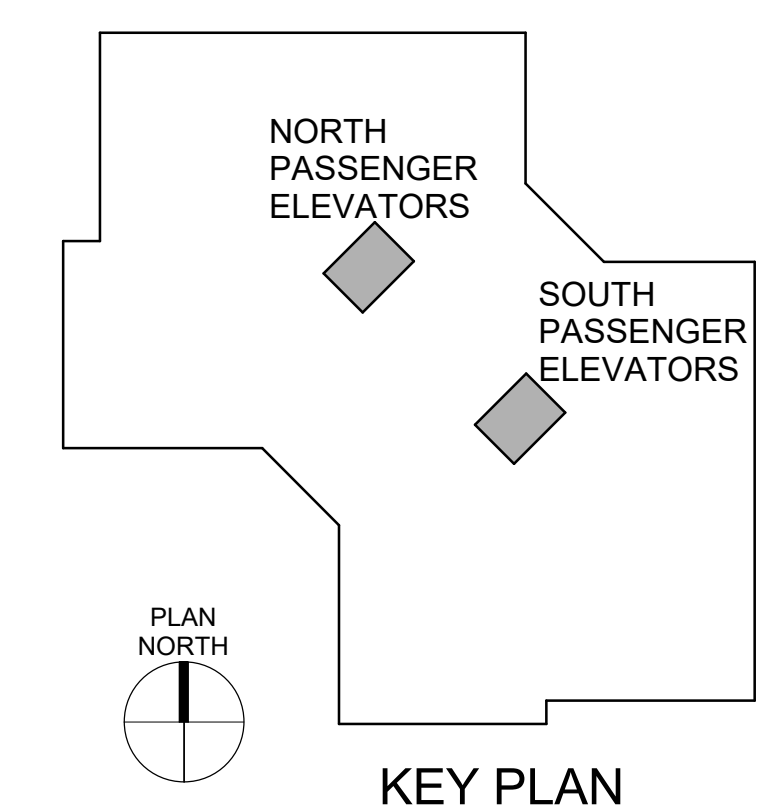
1 8TH FLOOR ELECTRICAL PLAN - DEMO
1/8" = 1'-0"

GENERAL NOTES

A. REFER TO ELECTRICAL DEMOLITION NOTES ON SHEET E-000.

SHEET KEYNOTES

1. DISCONNECT AND REMOVE POWER TO ELEVATOR CAB LIGHTING INCLUDING ALL ASSOCIATED DISCONNECTS, RACEWAY, WIRING AND SUPPORTS BACK TO THE SOURCE (PPA, PPB).
2. DISCONNECT AND REMOVE ELEVATOR CAB PHONE WIRING. MAINTAIN EXISTING WIRING FOR CONNECTION TO NEW ELEVATOR CAB. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.



STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



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Jefferson City, MO 65102

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SITE # 1001
FACILITY # 3101001050

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CAD DWG FILE: _____
DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL 8TH
FLOOR -
DEMOLITION**

SHEET NUMBER:

ED-106

SHEET NO. 48 OF 56
2024-07-12

GENERAL NOTES

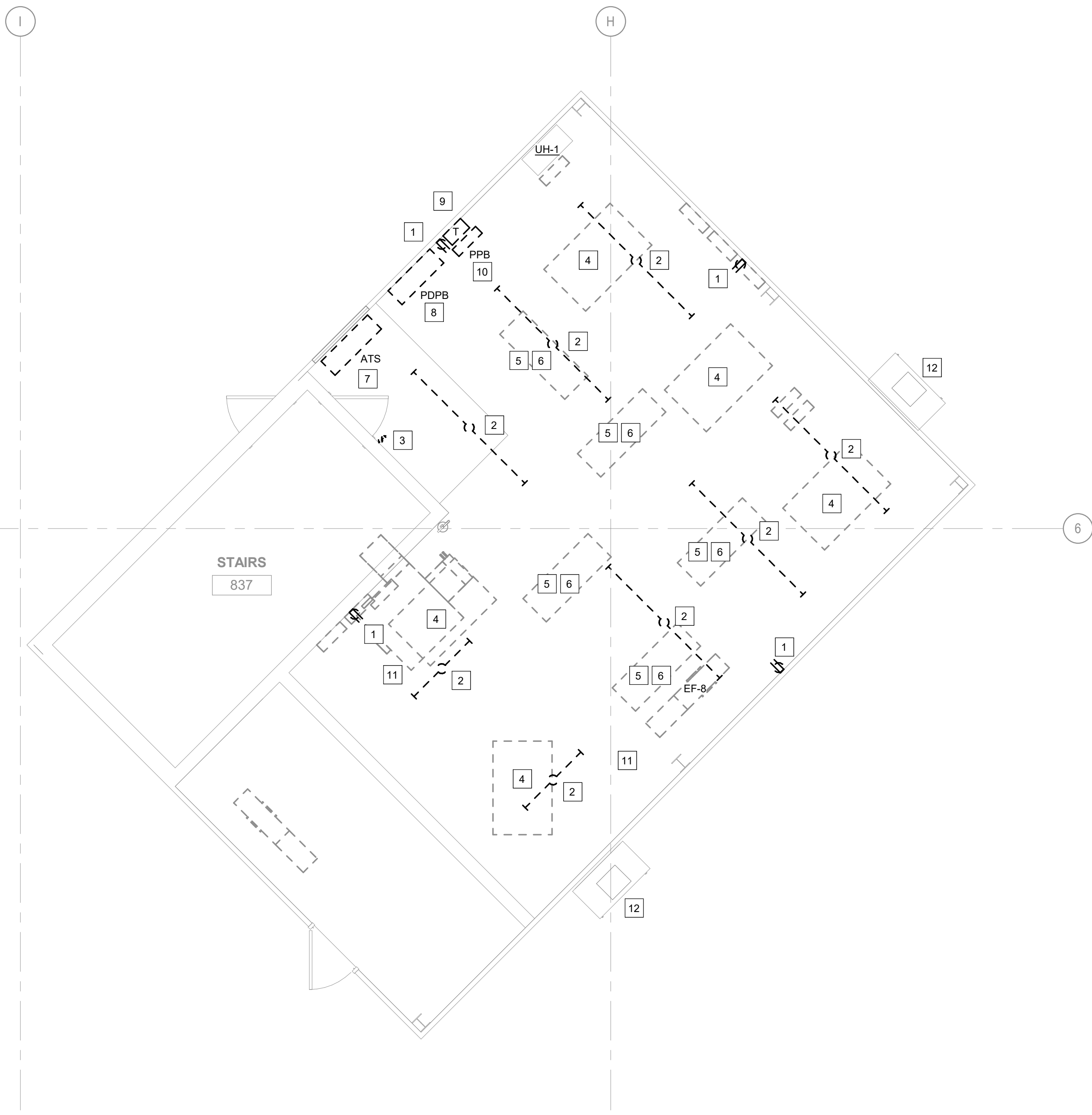
A. REFER TO ELECTRICAL DEMOLITION NOTES ON SHEET E-000.

SHEET KEYNOTES

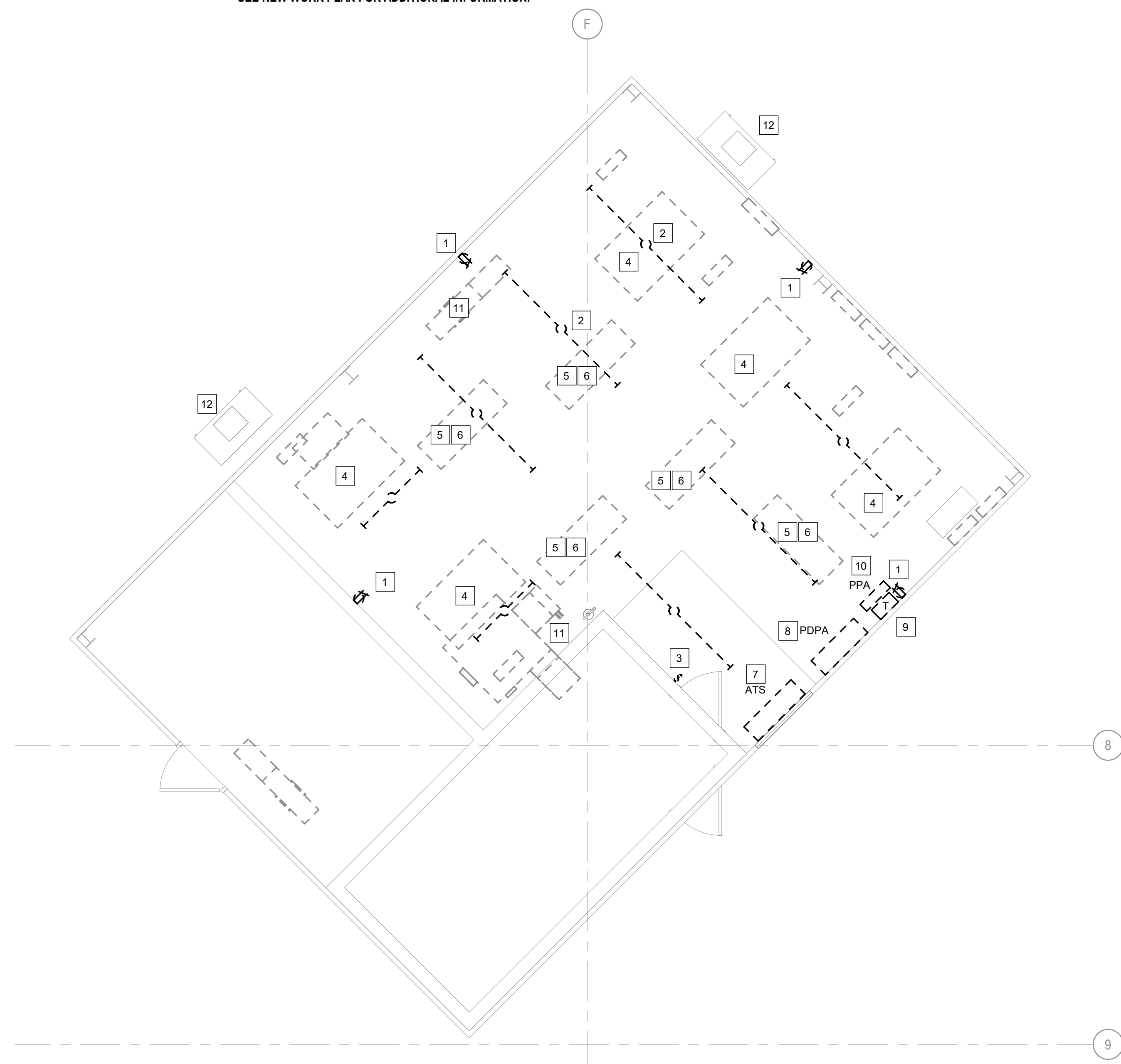
1. REMOVE RECEPTACLE INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (PPA, PPB).
2. REMOVE LIGHT FIXTURE INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (PPA, PPB).
3. REMOVE TOGGLE SWITCH(ES) INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (PPA, PPB).
4. DISCONNECT AND REMOVE POWER TO ELEVATOR MOTOR INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE.
5. DISCONNECT AND REMOVE POWER TO ELEVATOR CONTROL PANEL INCLUDING ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (PDPA, PDPB).
6. DISCONNECT AND REMOVE ADDRESSABLE CONTROL RELAYS AND MONITOR MODULES. MAINTAIN EXISTING WIRING FOR CONNECTION TO NEW FIRE ALARM DEVICES. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.

SHEET KEYNOTES

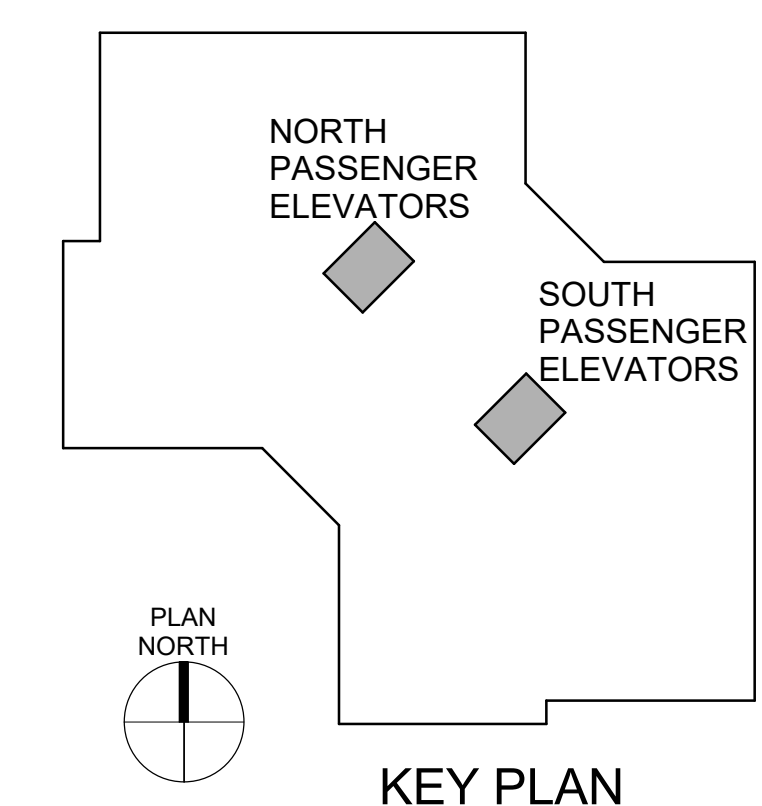
7. REMOVE AUTOMATIC TRANSFER SWITCH (ATS) AND ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (BUS PLUG, SEE SHEET E-106 FOR LOCATIONS).
8. REMOVE SWITCHBOARD AND ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (ATS).
9. REMOVE TRANSFORMER AND ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (PDPA, PDPB).
10. REMOVE PANELBOARD AND ALL ASSOCIATED RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE (TRANSFORMER).
11. REMOVE FEEDER TO HVAC EQUIPMENT INCLUDING RACEWAY, WIRING, AND SUPPORTS BACK TO SOURCE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
12. HVAC EQUIPMENT IS EXISTING TO REMAIN. REMOVE RACEWAY, WIRING AND SUPPORTS BACK TO SOURCE. SEE NEW WORK PLAN FOR RECONNECTION OF EQUIPMENT.



2 ELEVATOR PENTHOUSE ELECTRICAL NORTH CORE - DEMO
1/4" = 1'-0"



1 ELEVATOR PENTHOUSE ELECTRICAL SOUTH CORE - DEMO
1/4" = 1'-0"



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ST. LOUIS, MO 63119
T: 314.918.8393
F: 314.918.1766
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CAD DWG FILE: _____
DRAWN BY: Author
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL
PENTHOUSE -
DEMOLITION**

SHEET NUMBER:

ED-107

SHEET NO. 49 OF 56
2024-07-12



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CAD DWG FILE: _____
DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
ELECTRICAL ELEV
1,2,3,4,5,6,7,8,13,14 -
NEW WORK

SHEET NUMBER:

E-101

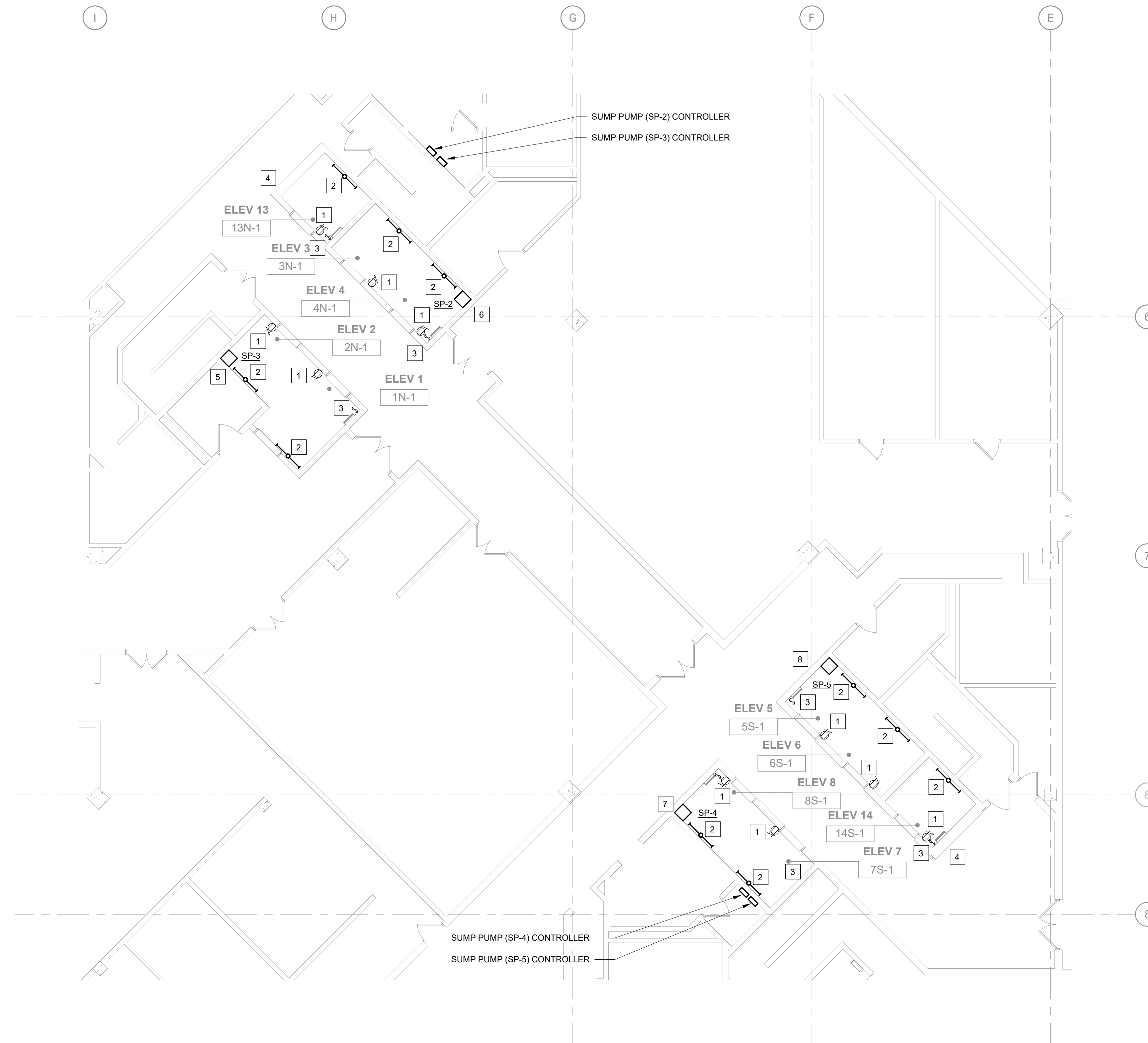
SHEET NO. 50 OF 56
2024-07-12

GENERAL NOTES

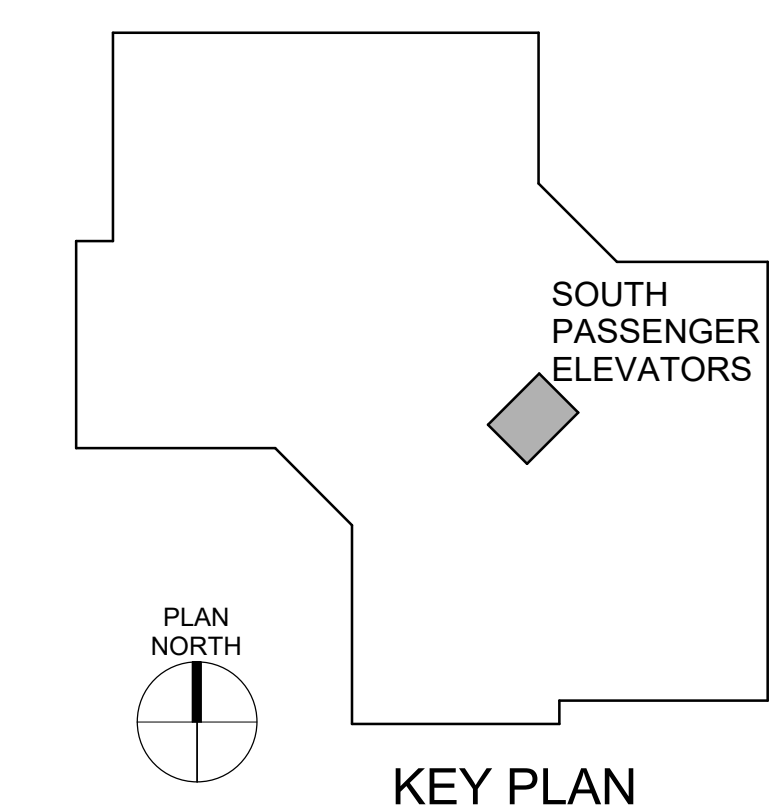
A. REFER TO ELECTRICAL GENERAL NOTES ON SHEET E-000.

SHEET KEYNOTES

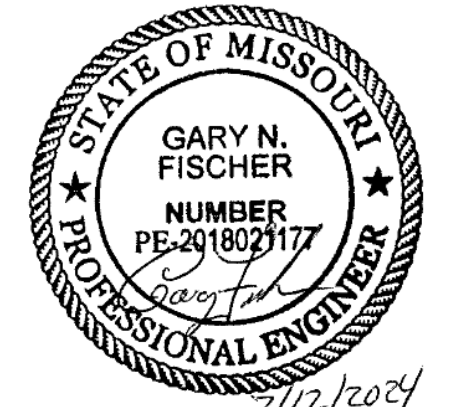
1. PROVIDE NEW RECEPTACLE, FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE.
2. PROVIDE NEW 4" LED, ROUND LENSED, STRIP LIGHT FIXTURE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. MOUNT FIXTURE HORIZONTALLY ON WALL, COORDINATE EXACT LOCATION WITH THE ELEVATOR CONTRACTOR, EXTEND CONDUIT AND WIRING AS REQUIRED. METALUX: 4SNLED-LD6-LW-41SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
3. PROVIDE NEW TOGGLE SWITCH, FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH.
4. PROVIDE CONNECTION FROM ALL ELEVATORS TO SELECTOR SWITCH.
5. PROVIDE POWER AND FINAL CONNECTION TO SUMP PUMP AND CONTROLLER. ENSURE SUMP PUMP CONTROLLER HAS A LOCKING MECHANISM, IF NOT PROVIDE. FEED SUMP PUMP FROM NEW 20A-2P CIRCUIT BREAKER AND CONTROLLER FROM NEW 20A-1P CIRCUIT BREAKER IN PANEL P1B.
6. PROVIDE POWER AND FINAL CONNECTION TO SUMP PUMP AND CONTROLLER. ENSURE SUMP PUMP CONTROLLER HAS A LOCKING MECHANISM, IF NOT PROVIDE. FEED SUMP PUMP FROM NEW 25A-2P CIRCUIT BREAKER AND CONTROLLER FROM NEW 20A-1P CIRCUIT BREAKER IN PANEL P1B.
7. PROVIDE POWER AND FINAL CONNECTION TO SUMP PUMP AND CONTROLLER. ENSURE SUMP PUMP CONTROLLER HAS A LOCKING MECHANISM, IF NOT PROVIDE. FEED SUMP PUMP FROM NEW 20A-2P CIRCUIT BREAKER AND CONTROLLER FROM NEW 20A-1P CIRCUIT BREAKER IN THE NEW PANEL LOCATED IN THE 2ND FLOOR SOUTH MECHANICAL ROOM.
8. PROVIDE POWER AND FINAL CONNECTION TO SUMP PUMP AND CONTROLLER. ENSURE SUMP PUMP CONTROLLER HAS A LOCKING MECHANISM, IF NOT PROVIDE. FEED SUMP PUMP FROM NEW 25A-2P CIRCUIT BREAKER AND CONTROLLER FROM NEW 20A-1P CIRCUIT BREAKER IN THE NEW PANEL LOCATED IN THE 2ND FLOOR SOUTH MECHANICAL ROOM.



1 1ST FLOOR ELECTRICAL PLAN - NEW WORK
1/8" = 1'-0"



KEY PLAN



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DRAWN BY: BS
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DESIGNED BY: BS

SHEET TITLE:

ELECTRICAL
ELEVATORS 9 & 10 -
NEW WORK

SHEET NUMBER:

E-102

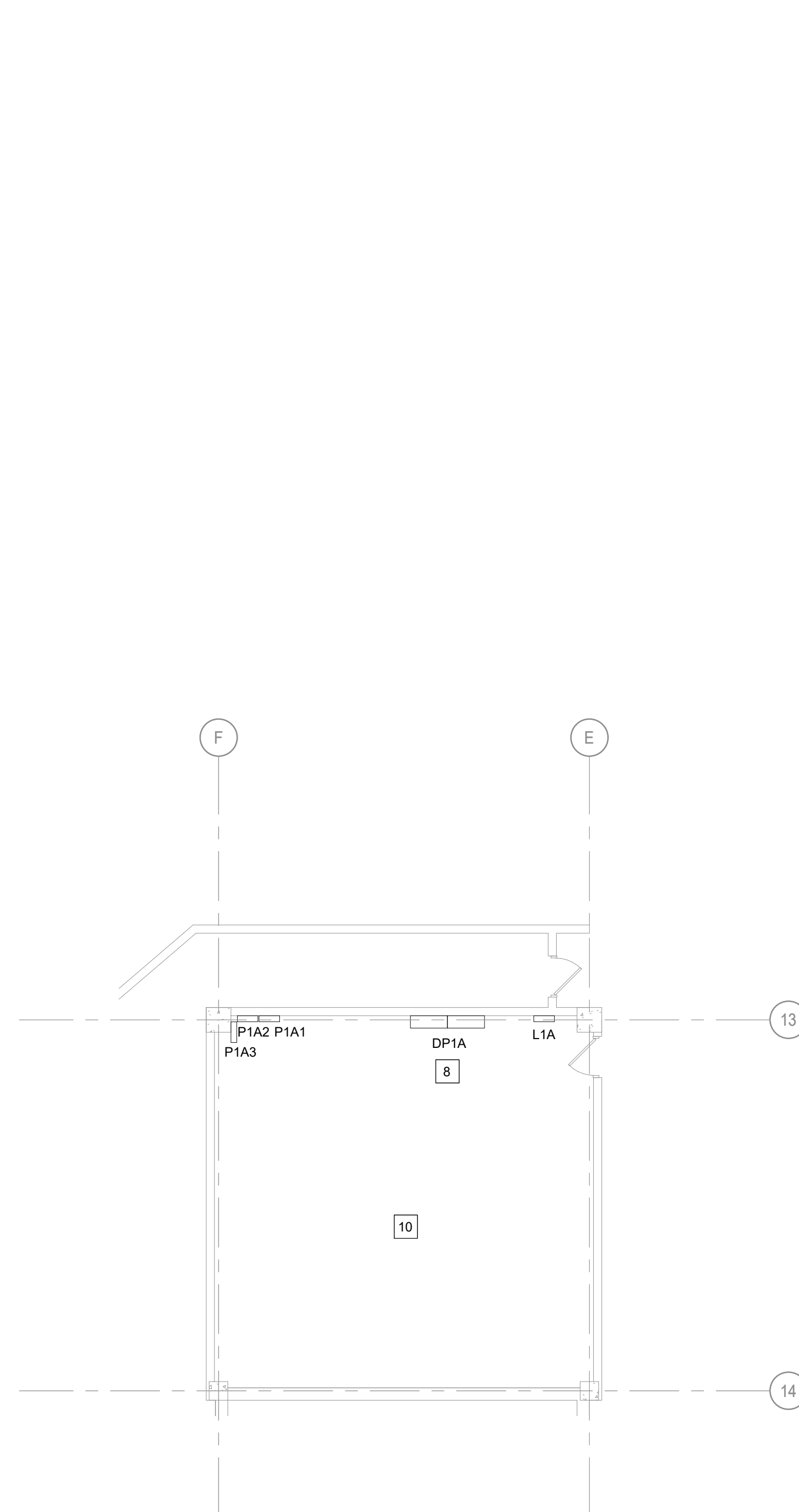
SHEET NO. 51 OF 56
2024-07-12

GENERAL NOTES

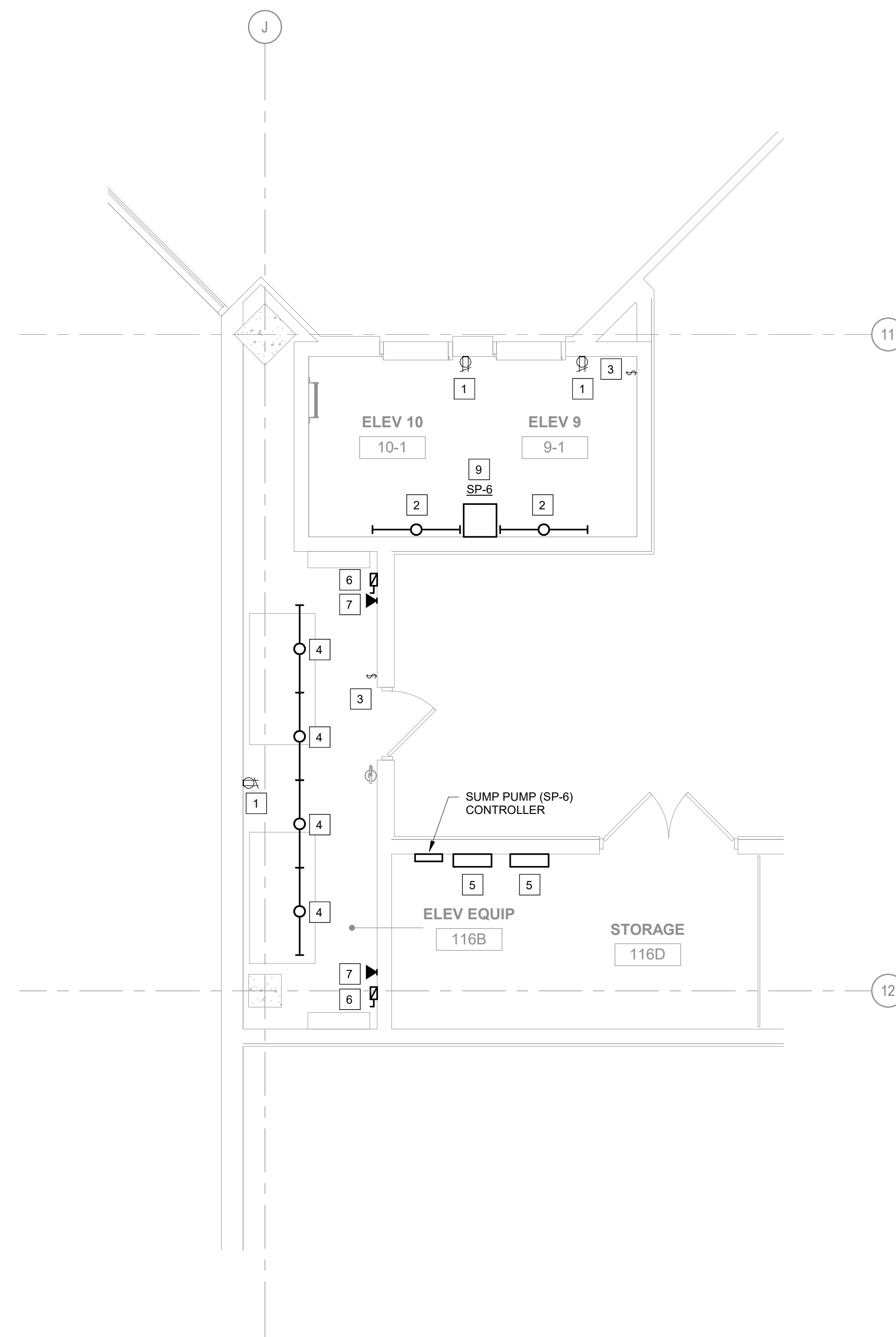
- A. REFER TO ELECTRICAL GENERAL NOTES ON SHEET E-000.

SHEET KEYNOTES

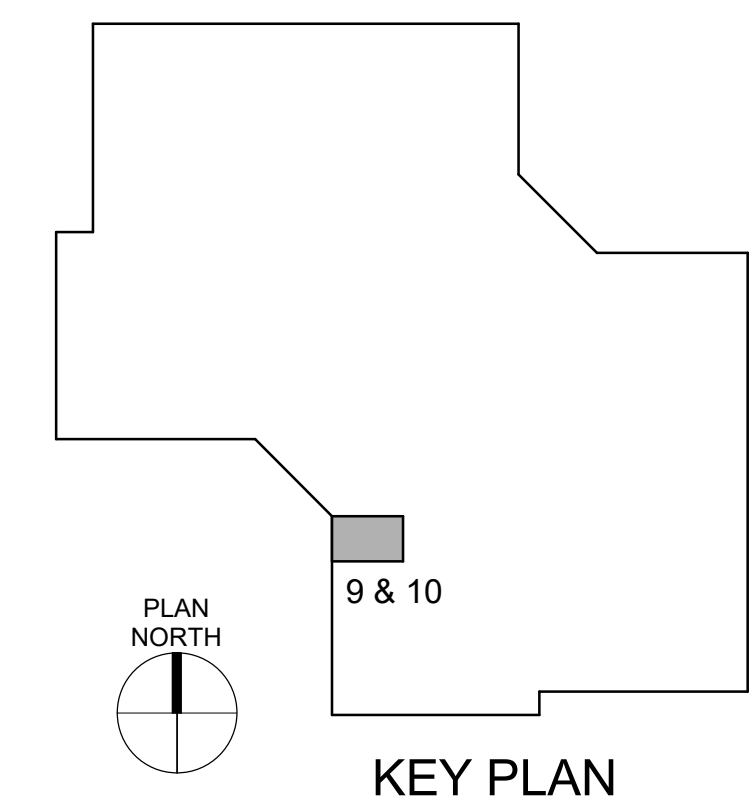
1. PROVIDE NEW RECEPTACLE, FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE.
2. PROVIDE NEW 4' LED, ROUND LENSED, STRIP LIGHT FIXTURE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. MOUNT FIXTURE HORIZONTALLY ON WALL, COORDINATE EXACT LOCATION WITH THE ELEVATOR CONTRACTOR, EXTEND CONDUIT AND WIRING AS REQUIRED. METALUX: 4SNLED-LD5-LW-41SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
3. PROVIDE NEW TOGGLE SWITCH, FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH.
4. PROVIDE NEW 4' LED, ROUND LENSED, STRIP LIGHT FIXTURE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. METALUX: 4SNLED-LD5-LW-41SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
5. PROVIDE POWER MODULE SWITCH FOR ELEVATOR. PROVIDE ALL FINAL CONNECTIONS TO ELEVATOR CONTROLLER PER MANUFACTURERS WRITTEN INSTRUCTIONS. PROVIDE FEEDER WIRING FROM PANEL DP1A (3)#2, (1)#6G, IN EXISTING CONDUIT. EXTENDED CONDUIT TO NEW LOCATION AS REQUIRED. PROVIDE BUSSMANN PS SERIES POWER MODULE, 480 VOLT, 3 PHASE, 60HP. COORDINATE ACTUAL HP WITH SELECTED ELEVATOR MANUFACTURER.
6. PROVIDE 120V, 30A, FUSED DISCONNECT SWITCH WITH 15A FUSES FOR ELEVATOR CAB LIGHTING AND POWER. COORDINATE LOCATION AND CONNECTION WITH ELEVATOR INSTALLER. PROVIDE (2)#12, (1)#12G, 3/4" C.
7. PROVIDE (2) DATA CABLES, (1) FOR PHONE AND (1) FOR TEXT/VIDEO LINE TO ELEVATOR CAB PER MANUFACTURERS WRITTEN INSTRUCTIONS.
8. REMOVE EXISTING FUSES AND PROVIDE (3) NEW 110 AMP FUSES IN EACH EXISTING FUSIBLE SWITCH SERVING EACH ELEVATOR. COORDINATE ACTUAL FUSE SIZES WITH SELECTED ELEVATOR MANUFACTURER.
9. PROVIDE POWER AND FINAL CONNECTION TO SUMP PUMP AND CONTROLLER. ENSURE SUMP PUMP CONTROLLER HAS A LOCKING MECHANISM, IF NOT PROVIDE. FEED SUMP PUMP FROM NEW 20A-2P CIRCUIT BREAKER AND CONTROLLER FROM NEW 20A-1P CIRCUIT BREAKER IN THE NEW PANEL LOCATED IN THE 2ND FLOOR SOUTH MECHANICAL ROOM.
10. PROVIDE (1) NEW 25A-2P, (2) 20A-2P AND (3) 20A-1P CIRCUIT BREAKERS IN THE NEW PANEL LOCATED IN THE 2ND FLOOR SOUTH MECHANICAL ROOM. REMOVE EXISTING CIRCUIT BREAKERS AS REQUIRED. MATCH EXISTING MANUFACTURER AND AIC RATING. FIELD VERIFY EXISTING PANEL LOCATION.



2 1ST FLOOR ELECTRICAL ROOM 115 - NEW WORK
1/8" = 1'-0"



1 1ST FLOOR ELECTRICAL ELEVATORS 9 & 10 - NEW WORK
1/4" = 1'-0"



KEY PLAN



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OFFICE OF
ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:

ELECTRICAL
ELEVATOR 11 - NEW
WORK

SHEET NUMBER:

E-103

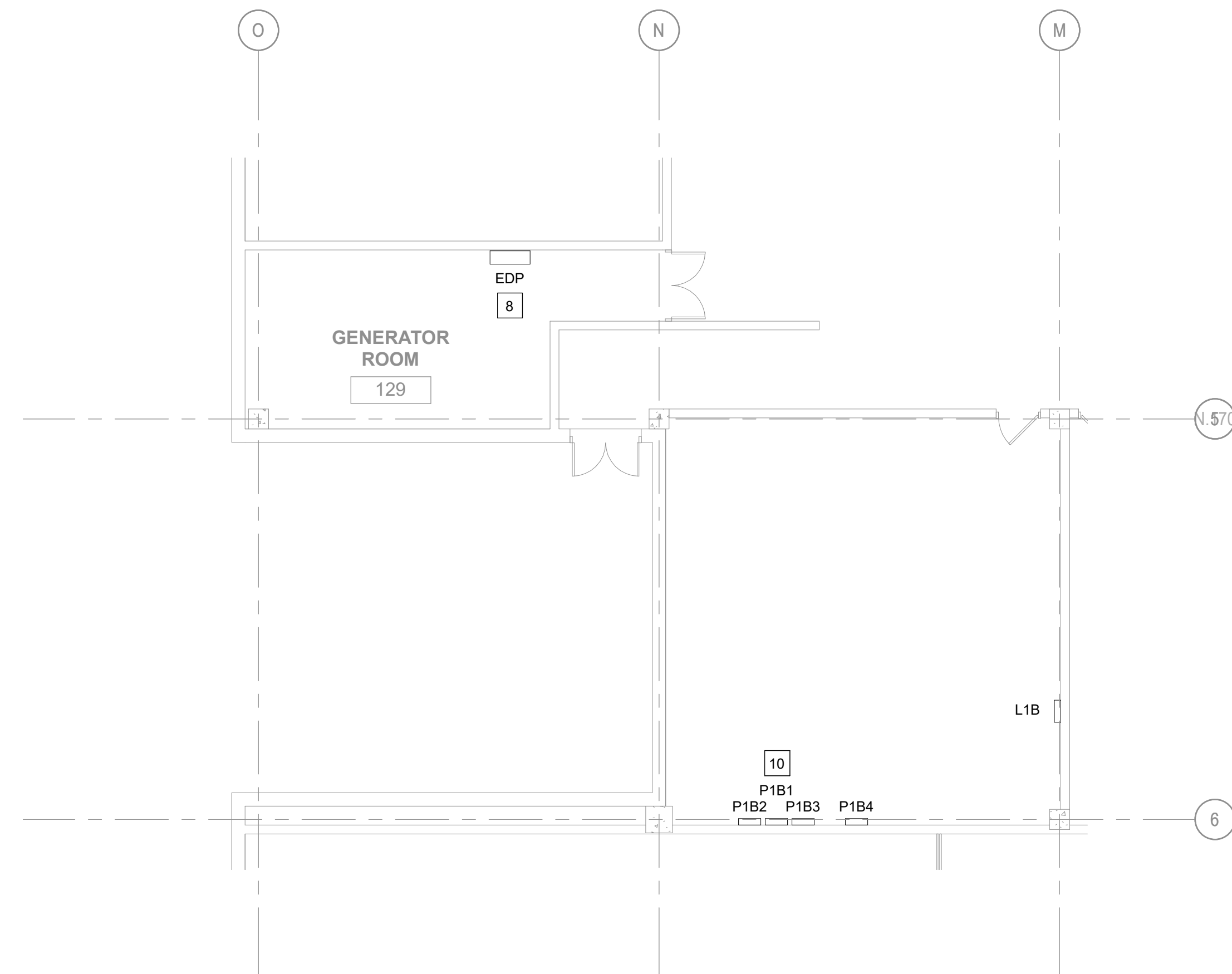
SHEET NO. 52 OF 56
2024-07-12

GENERAL NOTES

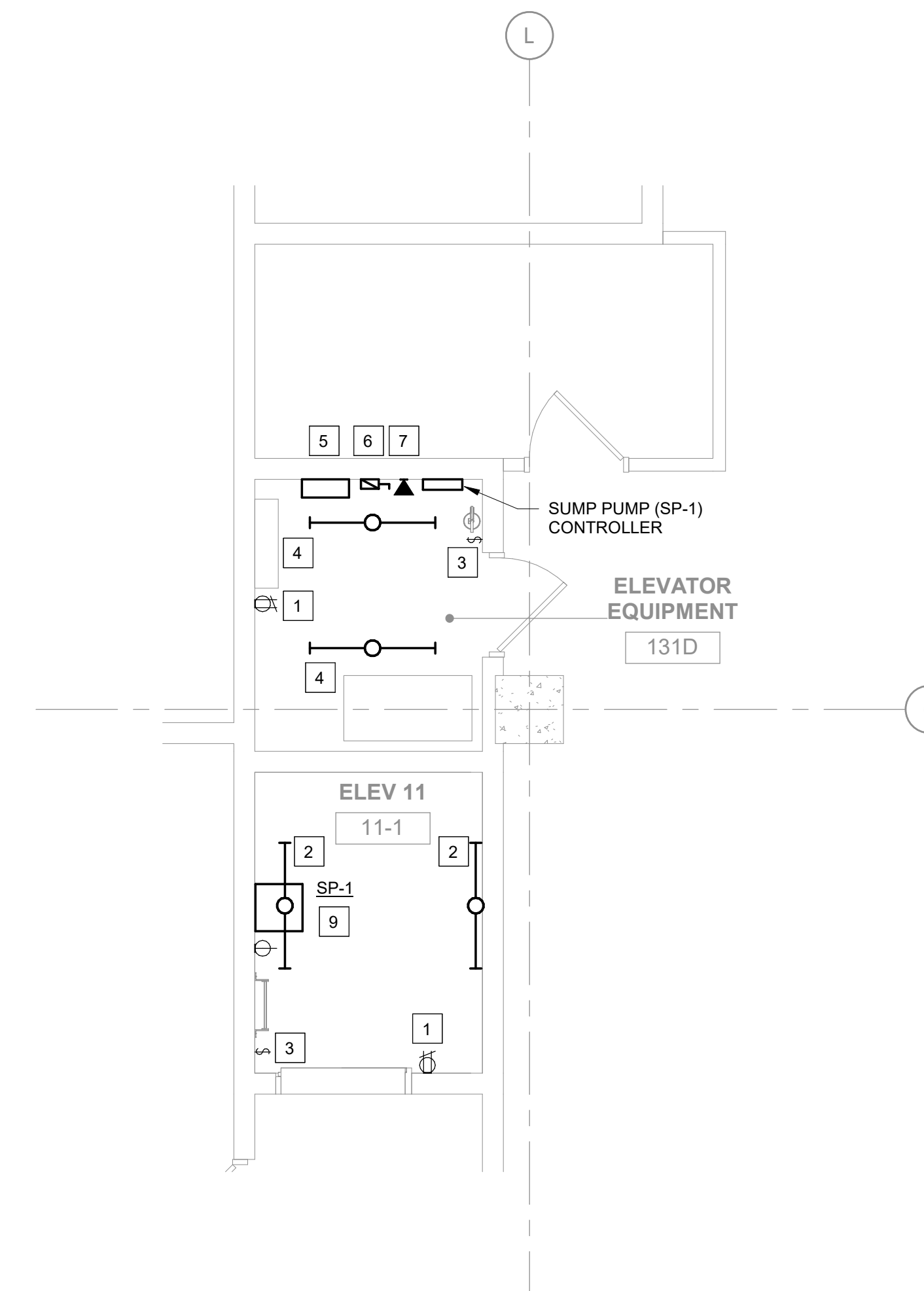
- A. REFER TO ELECTRICAL GENERAL NOTES ON SHEET E-000.

SHEET KEYNOTES

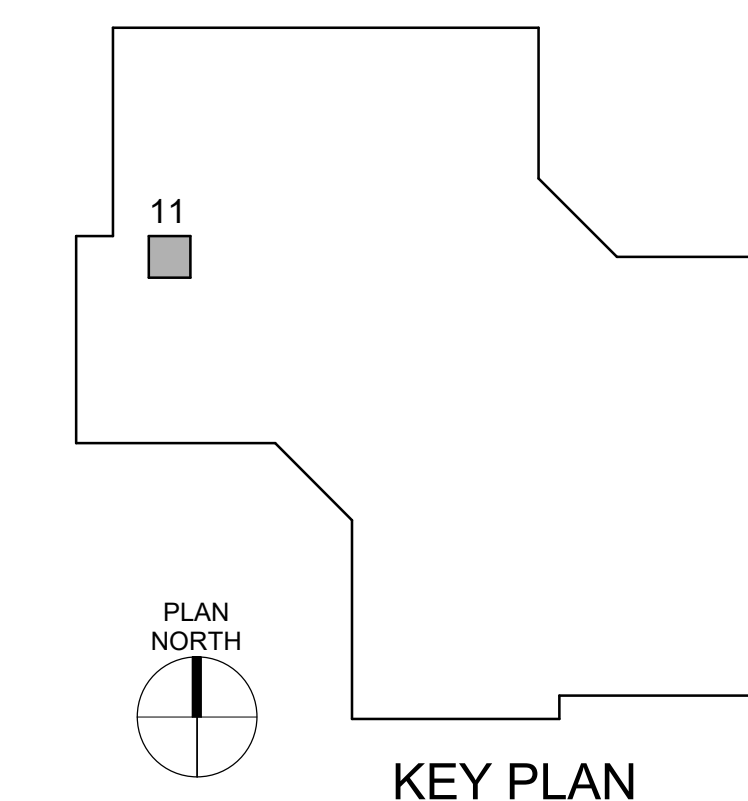
1. PROVIDE NEW RECEPTACLE, FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE.
2. PROVIDE NEW 4' LED, ROUND LENSED, STRIP LIGHT FIXTURE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. MOUNT FIXTURE HORIZONTALLY ON WALL, COORDINATE EXACT LOCATION WITH THE ELEVATOR CONTRACTOR, EXTEND CONDUIT AND WIRING AS REQUIRED. METALUX: 4SNLED-LD5-LW-41SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
3. PROVIDE NEW TOGGLE SWITCH(ES), FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH(ES).
4. PROVIDE NEW 4' LED, ROUND LENSED, STRIP LIGHT FIXTURE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. METALUX: 4SNLED-LD5-LW-41SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
5. PROVIDE POWER MODULE SWITCH FOR ELEVATOR. PROVIDE ALL FINAL CONNECTIONS TO ELEVATOR CONTROLLER PER MANUFACTURERS WRITTEN INSTRUCTIONS. PROVIDE FEEDER WIRING FROM PANEL EDP (3#3, (1)#6, IN EXISTING CONDUIT. EXTENDED CONDUIT TO NEW LOCATION AS REQUIRED. PROVIDE BUSSMANN PS SERIES POWER MODULE, 480 VOLT, 3 PHASE, 50HP. COORDINATE ACTUAL HP WITH SELECTED ELEVATOR MANUFACTURER.
6. PROVIDE 120V, 30A, FUSED DISCONNECT SWITCH WITH 15A FUSES FOR ELEVATOR CAB LIGHTING AND POWER. COORDINATE LOCATION AND CONNECTION WITH ELEVATOR INSTALLER. PROVIDE (2)#12, (1)#12G, 3/4" C.
7. PROVIDE (2) DATA CABLES, (1) FOR PHONE AND (1) FOR TEXT/VIDEO LINE TO ELEVATOR CAB PER MANUFACTURERS WRITTEN INSTRUCTIONS.
8. REMOVE EXISTING FUSES AND PROVIDE (3) NEW 90 AMP FUSES IN EXISTING FUSIBLE SWITCH SERVING ELEVATOR. COORDINATE ACTUAL FUSE SIZES WITH SELECTED ELEVATOR MANUFACTURER.
9. PROVIDE POWER AND FINAL CONNECTION TO SUMP PUMP AND CONTROLLER. ENSURE SUMP PUMP CONTROLLER HAS A LOCKING MECHANISM, IF NOT PROVIDE. FEED SUMP PUMP AND CONTROLLER FROM NEW 20A-1P CIRCUIT BREAKER IN PANEL P1B.
10. PROVIDE (1) NEW 25A-2P, (1) 20A-2P AND (3) 20A-1P CIRCUIT BREAKER IN EXISTING PANEL FOR SUMP PUMPS. REMOVE EXISTING CIRCUIT BREAKERS AS REQUIRED. MATCH EXISTING MANUFACTURER AND AIC RATING.



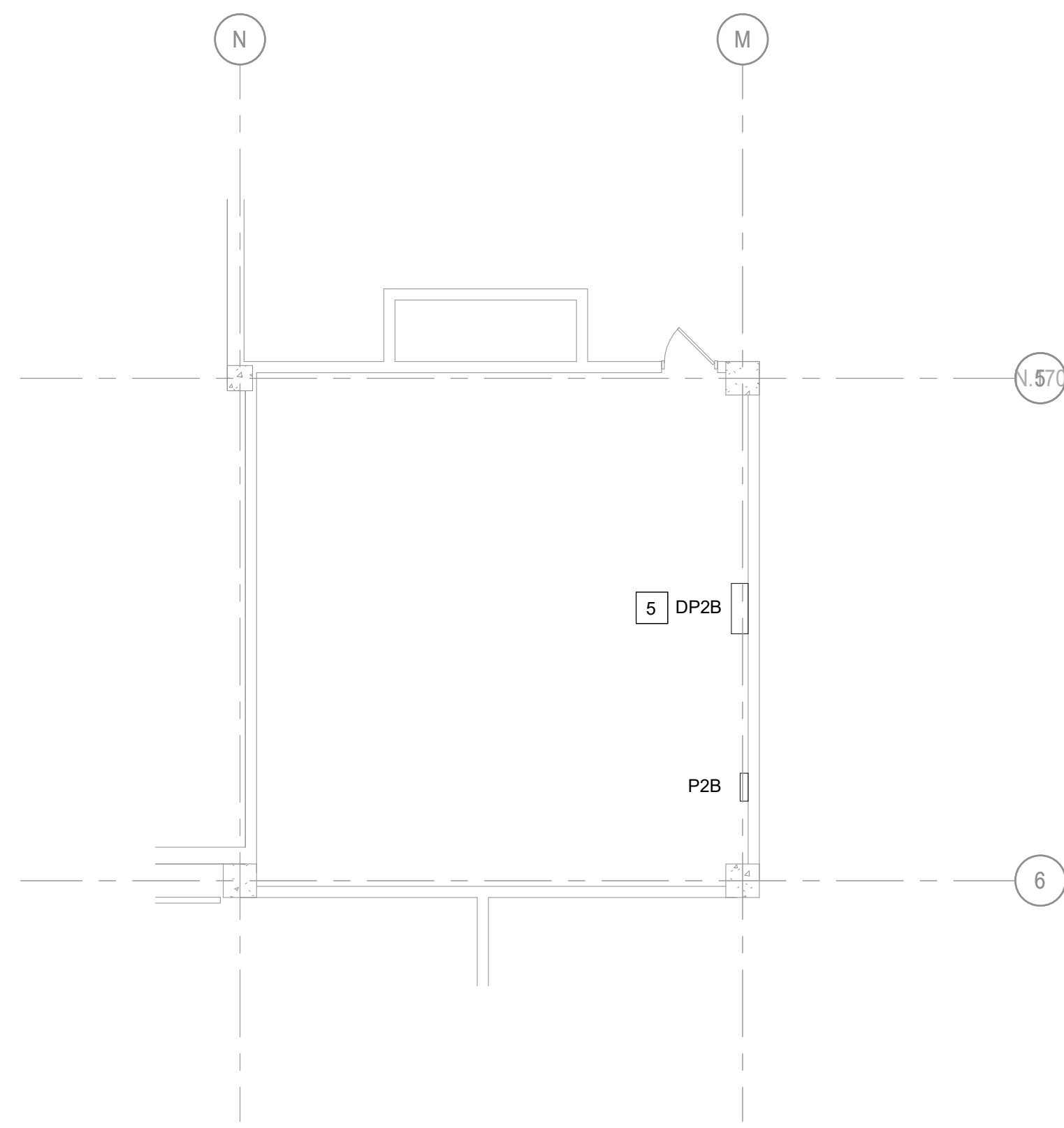
2 1ST FLOOR ELECTRICAL ROOM 125 AND 129 - NEW WORK
1/8" = 1'-0"



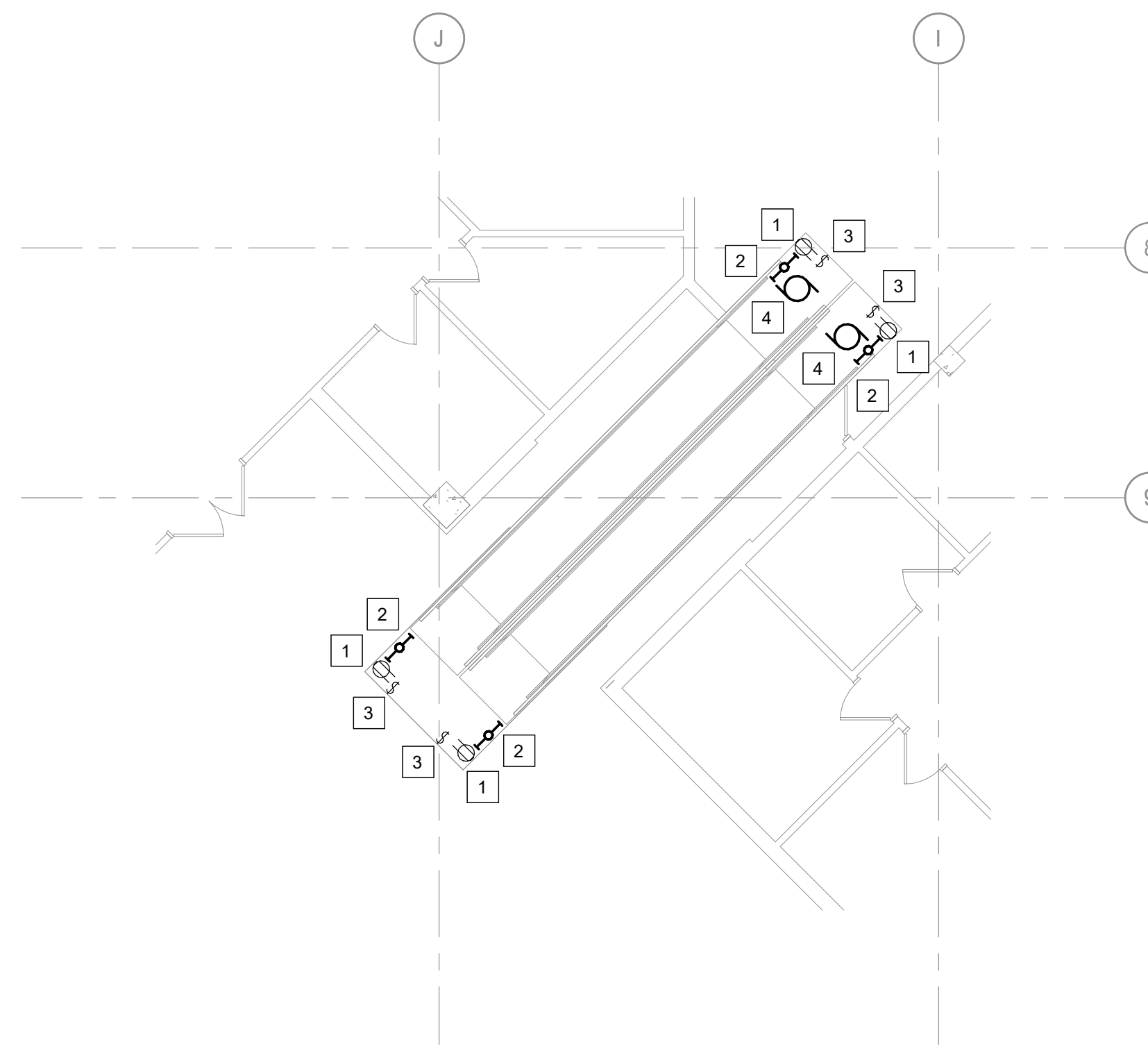
1 1ST FLOOR ELECTRICAL ELEVATOR 11 - NEW WORK
1/4" = 1'-0"



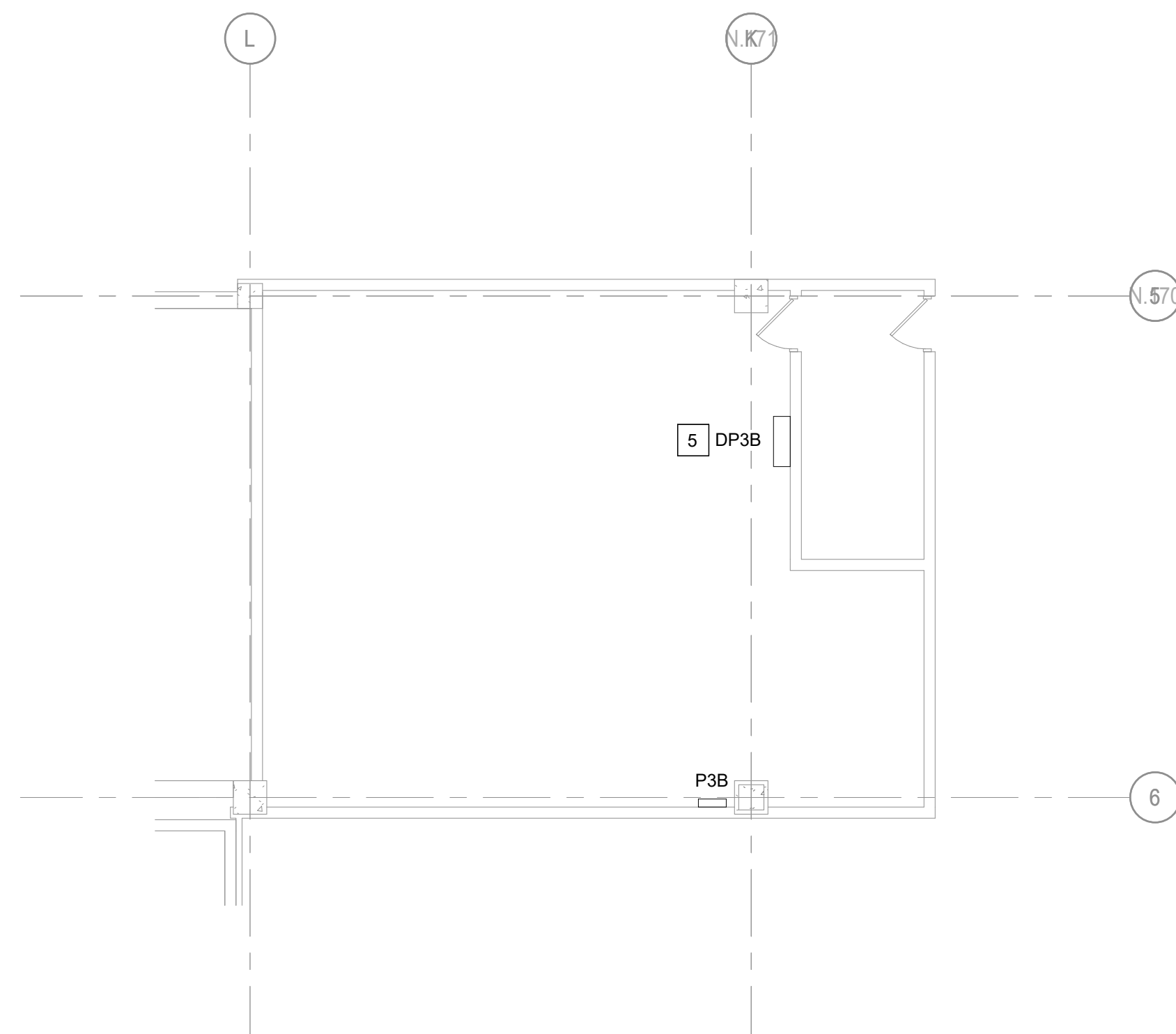
KEY PLAN



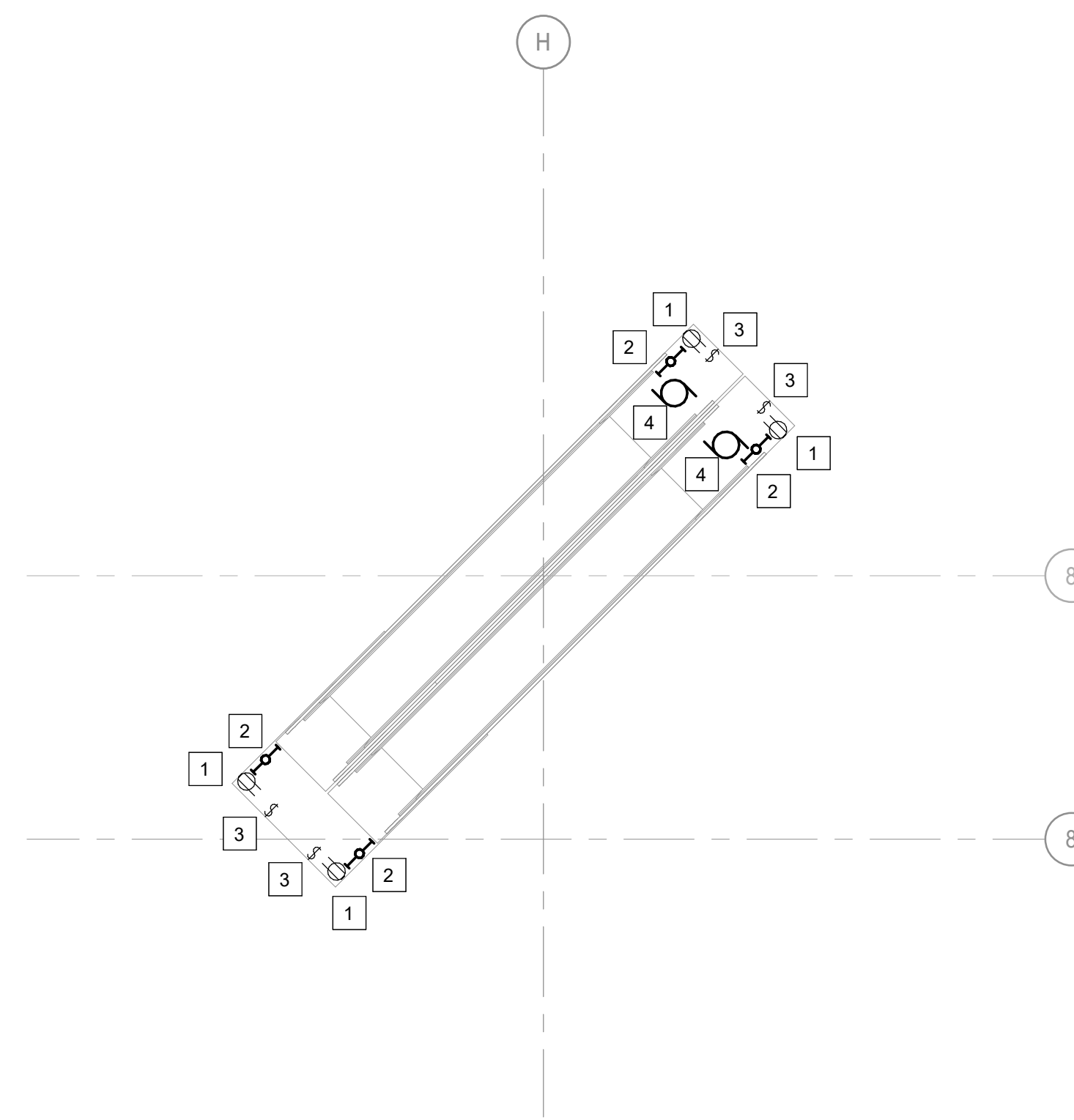
2 2ND FLOOR ELECTRICAL WEST- NEW WORK
1/8" = 1'-0"



1 1ST FLOOR ELECTRICAL ESCALATOR PLAN - NEW WORK
1/8" = 1'-0"



4 3RD FLOOR ELECTRICAL WEST - NEW WORK
1/8" = 1'-0"



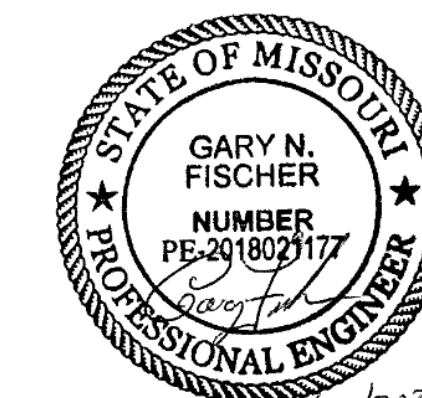
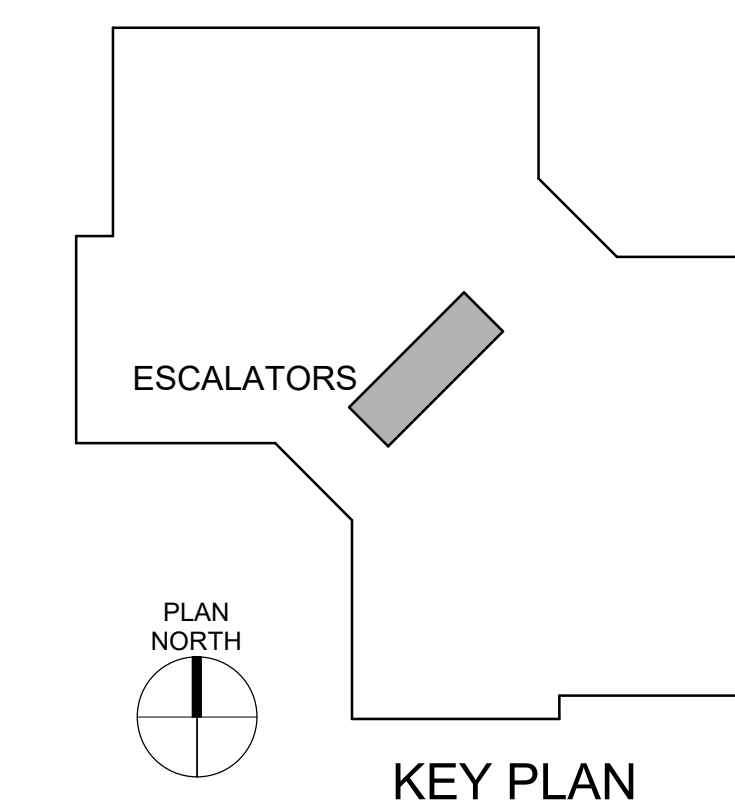
3 2ND FLOOR ELECTRICAL ESCALATOR PLAN - NEW WORK
1/8" = 1'-0"

GENERAL NOTES

A. REFER TO ELECTRICAL GENERAL NOTES ON SHEET E-000.

SHEET KEYNOTES

1. PROVIDE NEW RECEPTACLE, FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE.
2. PROVIDE NEW 2' LED, ROUND LENSED, STRIP LIGHT FIXTURE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. MOUNT FIXTURE HORIZONTALLY ON WALL, COORDINATE EXACT LOCATION WITH THE ESCALATOR CONTRACTOR, EXTEND CONDUIT AND WIRING AS REQUIRED. METALUX: 2SNLED-LD6-LW-23SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
3. PROVIDE NEW TOGGLE SWITCH(ES), FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH(ES).
4. PROVIDE POWER AND ALL FINAL CONNECTIONS TO ESCALATOR PER MANUFACTURERS WRITTEN INSTRUCTIONS. PROVIDE FEEDER WIRING FROM PANEL (3)# 3, (1)#8G, IN EXISTING CONDUIT. EXTENDED CONDUIT TO NEW LOCATION AS REQUIRED. BASIS OF DESIGN IS FOR A 480V, 3PH, 10HP MOTOR, COORDINATE ACTUAL HP WITH SELECTED ESCALATOR MANUFACTURER.
5. REMOVE EXISTING FUSES AND PROVIDE (3) NEW 25 AMP FUSES IN EXISTING FUSIBLE SWITCH SERVING EACH ESCALATOR. COORDINATE ACTUAL FUSE SIZES WITH SELECTED ESCALATOR MANUFACTURER.



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F: 314.918.1766
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OFFICE OF
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DESIGN AND
CONSTRUCTION

Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
ELECTRICAL
ESCALATORS - NEW
WORK

SHEET NUMBER:

E-104

SHEET NO. 53 OF 56
2024-07-12



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DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL
ESCALATORS - NEW
WORK**

SHEET NUMBER:

E-105

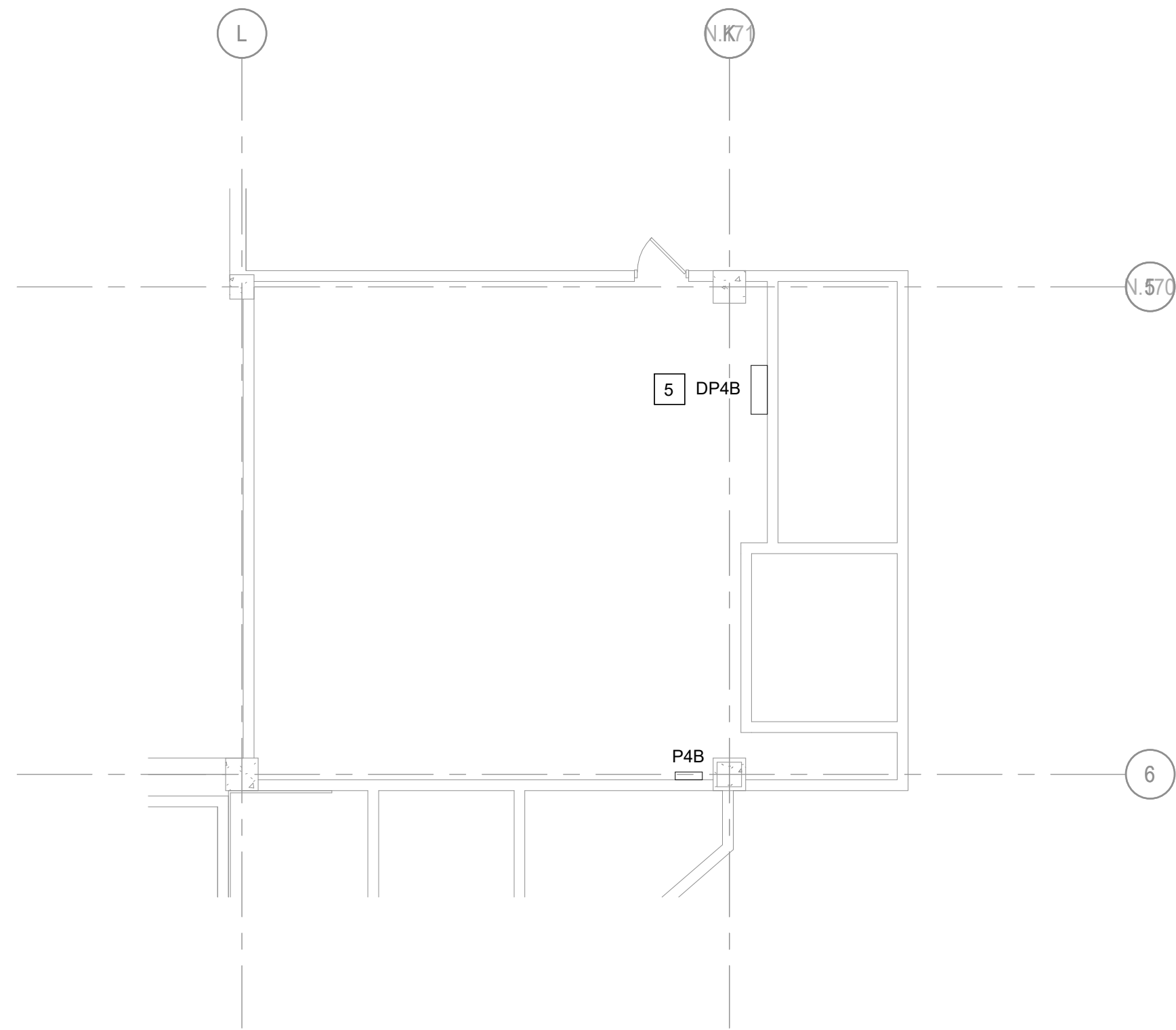
SHEET NO. 54 OF 56
2024-07-12

GENERAL NOTES

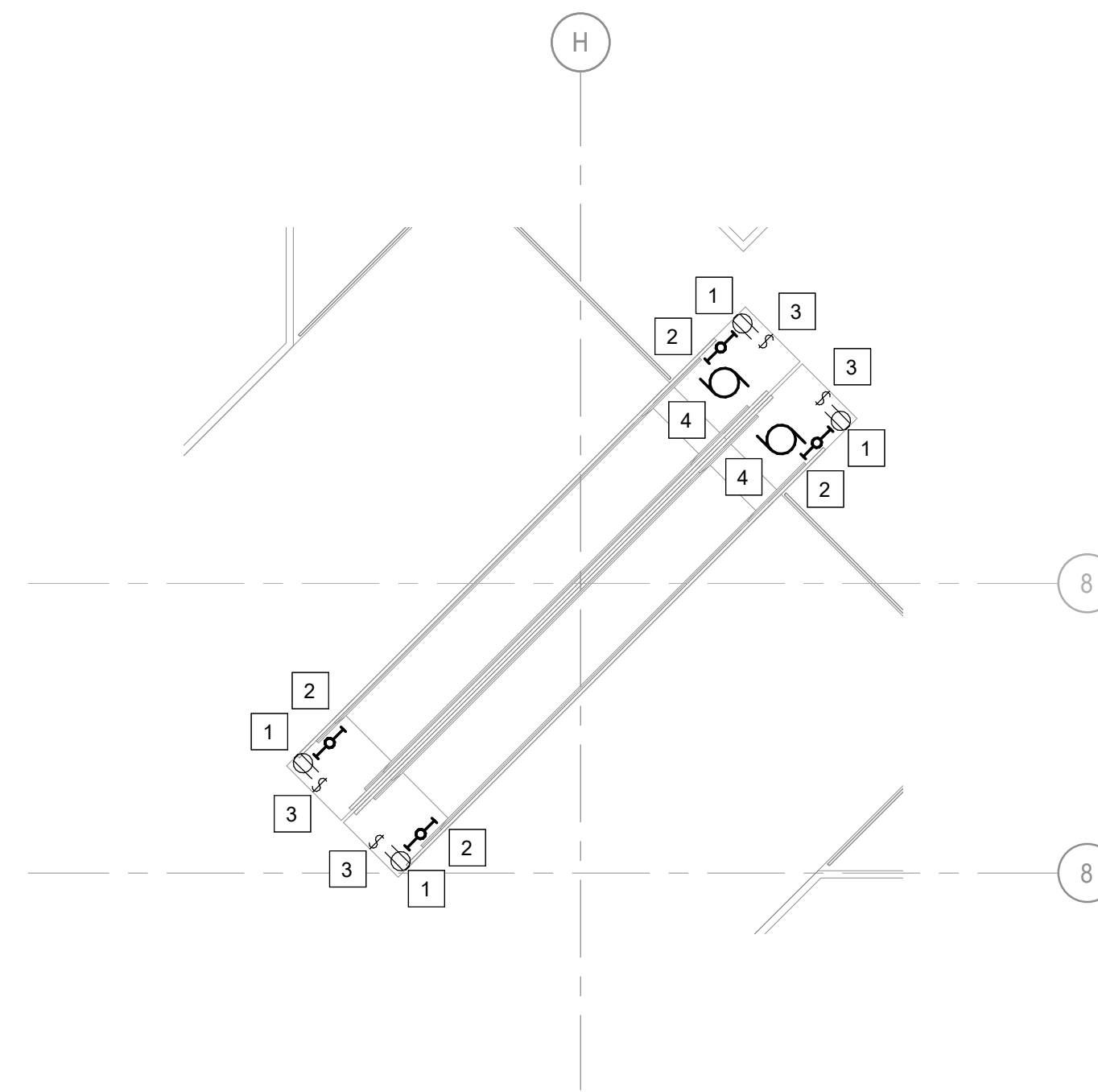
- A. REFER TO ELECTRICAL GENERAL NOTES ON SHEET E-000.

SHEET KEYNOTES

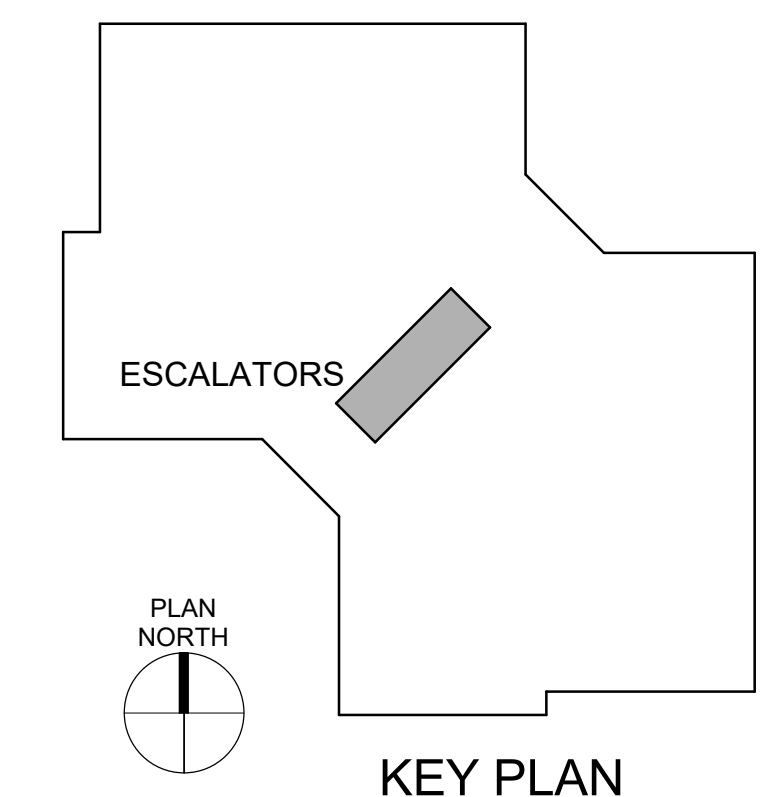
1. PROVIDE NEW RECEPTACLE, FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW DEVICE.
2. PROVIDE NEW 2' LED, ROUND LENSED, STRIP LIGHT FIXTURE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW LIGHT FIXTURE. MOUNT FIXTURE HORIZONTALLY ON WALL, COORDINATE EXACT LOCATION WITH THE ESCALATOR CONTRACTOR, EXTEND CONDUIT AND WIRING AS REQUIRED. METALUX: 2SNLED-LD6-LW-23SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
3. PROVIDE NEW TOGGLE SWITCH(ES), FACEPLATE AND WIRING FROM SAME CIRCUIT AS EXISTING. RE-USE EXISTING CONDUIT SYSTEM FOR CONNECTION OF NEW SWITCH(ES).
4. PROVIDE POWER AND ALL FINAL CONNECTIONS TO ESCALATOR PER MANUFACTURERS WRITTEN INSTRUCTIONS. PROVIDE FEEDER WIRING FROM PANEL (3)# 3, (1)#8G, IN EXISTING CONDUIT. EXTENDED CONDUIT TO NEW LOCATION AS REQUIRED. BASIS OF DESIGN IS FOR A 480V, 3PH, 10HP MOTOR, COORDINATE ACTUAL HP WITH SELECTED ESCALATOR MANUFACTURER.
5. REMOVE EXISTING FUSES AND PROVIDE (3) NEW 25 AMP FUSES IN EXISTING FUSIBLE SWITCH SERVING EACH ESCALATOR. COORDINATE ACTUAL FUSE SIZES WITH SELECTED ESCALATOR MANUFACTURER.



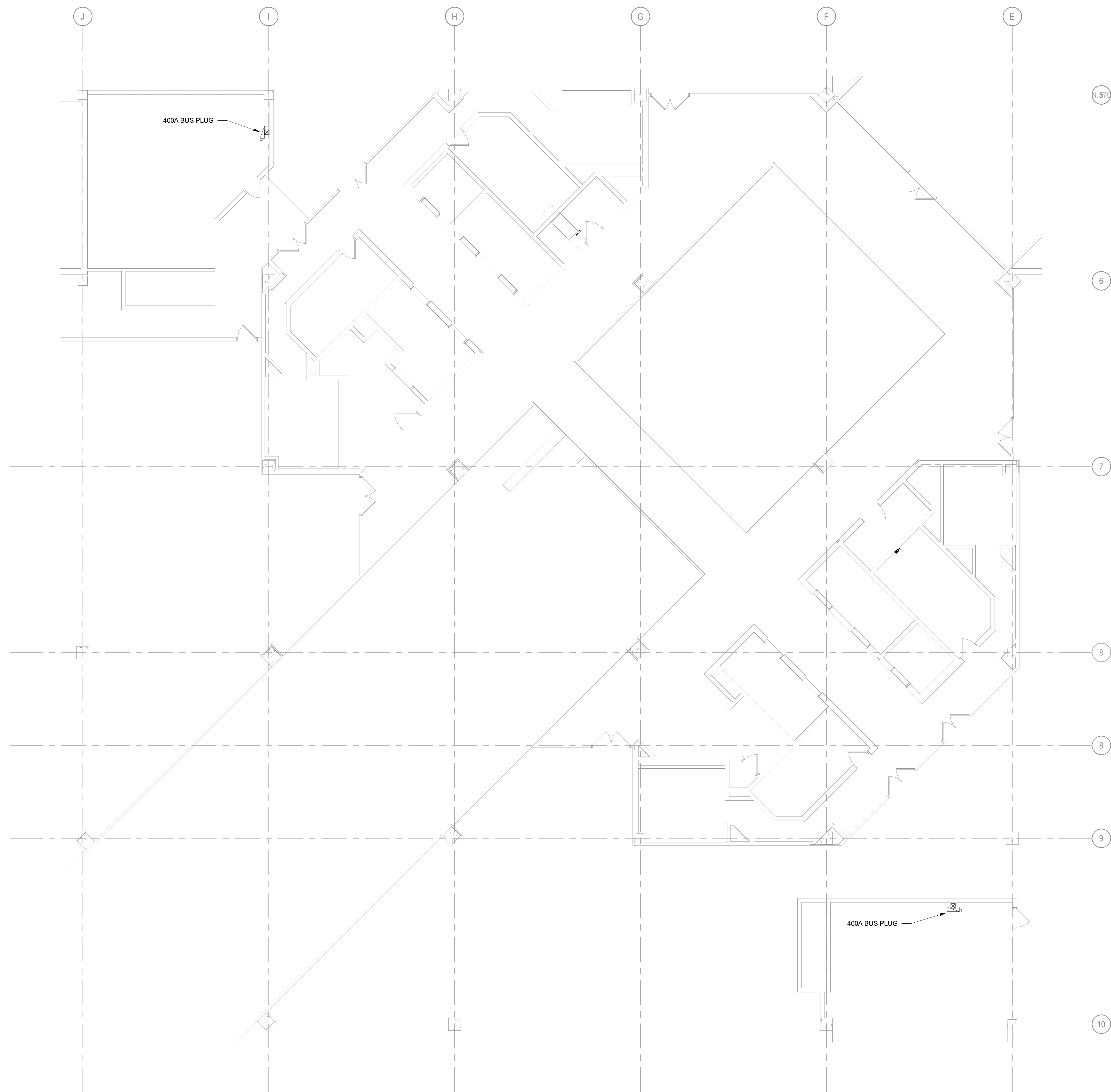
2 4TH FLOOR ELECTRICAL WEST - NEW WORK
1/8" = 1'-0"



1 3RD FLOOR ELECTRICAL ESCALATOR PLAN - NEW WORK
1/8" = 1'-0"



KEY PLAN



1 8TH FLOOR ELECTRICAL - NEW WORK
1/8" = 1'-0"

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DESIGN AND
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Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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DATE: _____
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ISSUE DATE: 2024-07-12

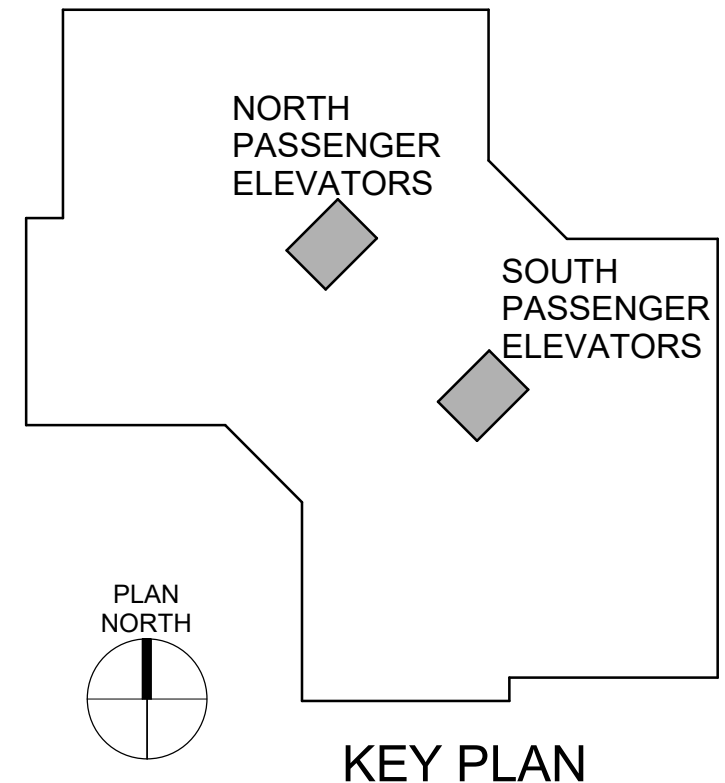
CAD DWG FILE: _____
DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL 8TH
FLOOR - NEW WORK**

SHEET NUMBER:

E-106

SHEET NO. 55 OF 56
2024-07-12





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Replace 13 Elevators and 6
Escalators

Truman State Office Building
Jefferson City, MO 65102

PROJECT # O2354-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 2024-07-12

CAD DWG FILE: _____
DRAWN BY: BS
CHECKED BY: GNF
DESIGNED BY: BS

SHEET TITLE:
**ELECTRICAL
PENTHOUSE - NEW
WORK**

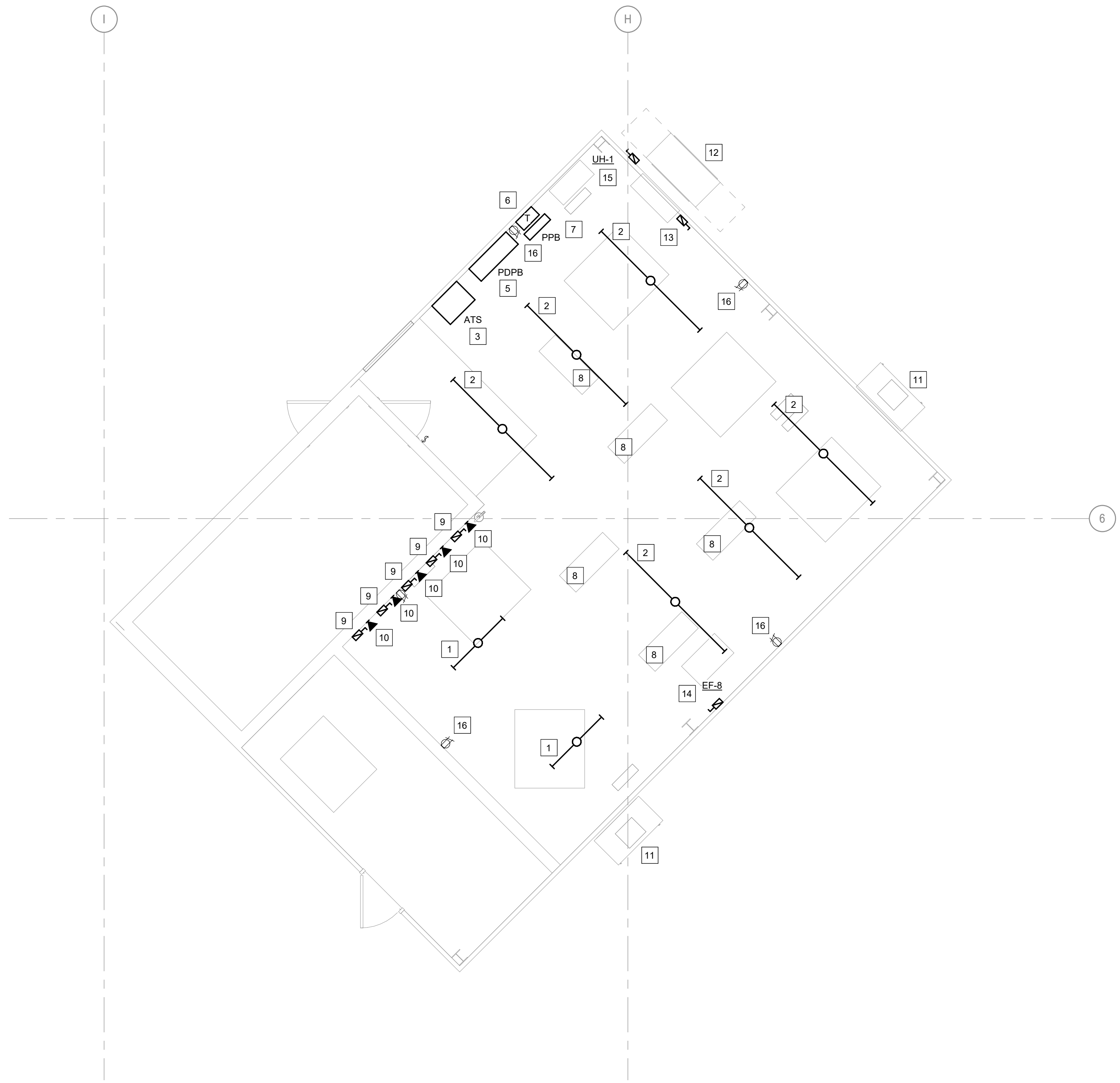
SHEET NUMBER:

E-107

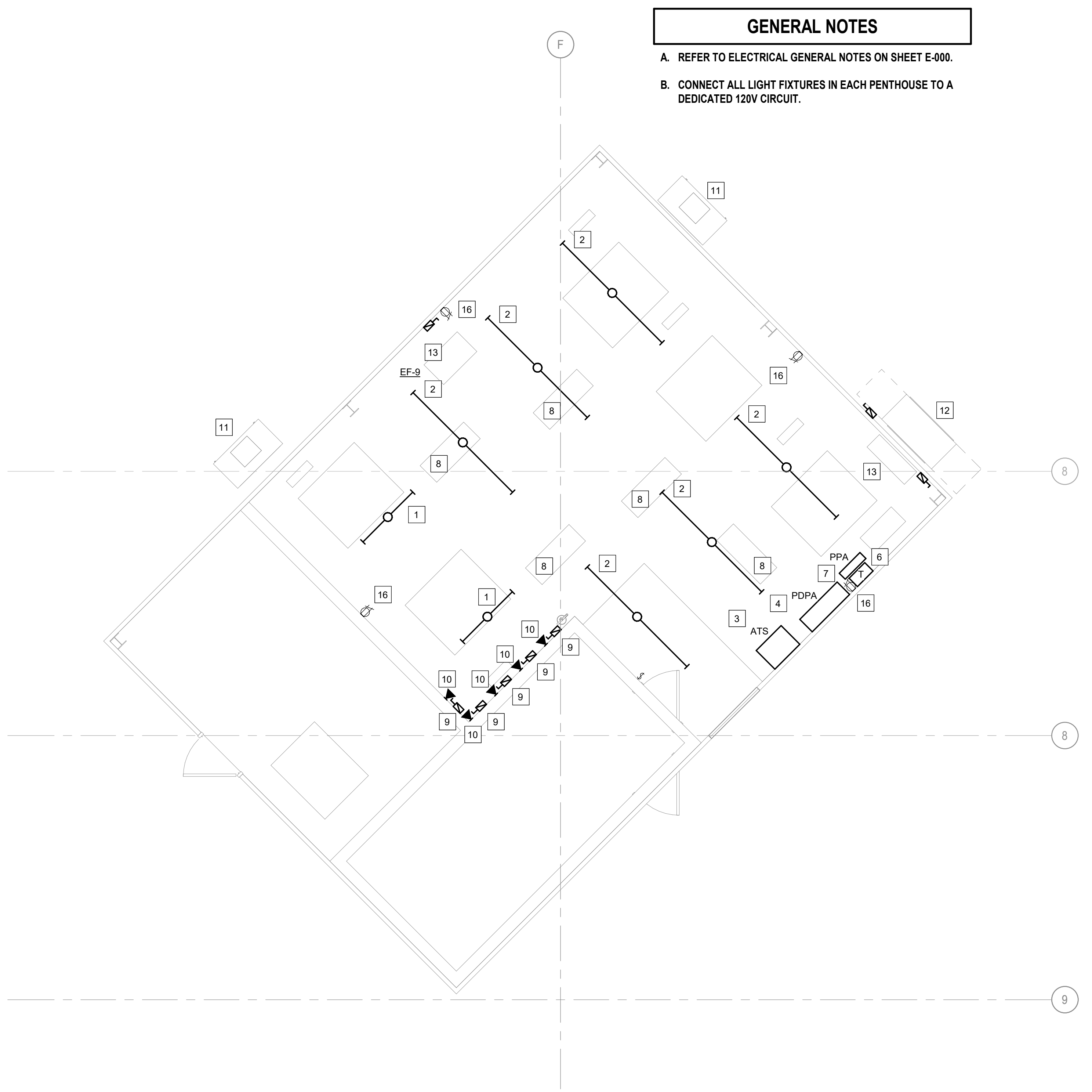
SHEET NO. 56 OF 56
2024-07-12

GENERAL NOTES

- A. REFER TO ELECTRICAL GENERAL NOTES ON SHEET E-000.
- B. CONNECT ALL LIGHT FIXTURES IN EACH PENTHOUSE TO A DEDICATED 120V CIRCUIT.



2 ELEVATOR PENTHOUSE ELECTRICAL NORTH CORE - NEW WORK
1/4" = 1'-0"



1 ELEVATOR PENTHOUSE ELECTRICAL SOUTH CORE - NEW WORK
1/4" = 1'-0"

SHEET KEYNOTES

1. PROVIDE NEW 4' LED, ROUND LENSED, STRIP LIGHT FIXTURE METALUX: 4SNLED-LD5-LW-41SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
2. PROVIDE NEW 8' LED, ROUND LENSED, STRIP LIGHT FIXTURE METALUX: 8SNLED-LD5-LW-81SL-UNV-L835 OR EQUAL BY WILLIAMS, LITHONIA OR HUBBEL.
3. PROVIDE NEW AUTOMATIC TRANSFER SWITCH, 400A, 277/480V 3PH, 4-POLE. FEED AUTOMATIC TRANSFER SWITCH FROM EXISTING BUSS PLUG LOCATED ON THE 8TH FLOOR ELECTRICAL ROOM. SEE SHEET E-106 FOR LOCATION. FEED WITH (4)500KCMIL, (1)#3G, 3°C. PROVIDE ALL CONTROL WIRING BETWEEN ATS AND GENERATOR INCLUDING START/STOP CONTROL.
4. PROVIDE NEW POWER MODULE PANEL, 400A MLO, 277/480V, 3PH, 4W IN A NEMA 1 ENCLOSURE. PANEL SHALL INCLUDE THE FOLLOWING FUSIBLE SWITCHES (5) 60A-3P WITH 60A FUSES (ELEVATORS), (2) 30A-3P WITH 20A FUSES (HVAC) AND (1) 60A-2P WITH 50A FUSES (TRANSFORMER). PANEL SHALL BE BUSSMANN PMP-400 SERIES. FEED FROM ADJACENT AUTOMATIC TRANSFER SWITCH WITH (4)500KCMIL, (1)#3G, 3°C.

SHEET KEYNOTES

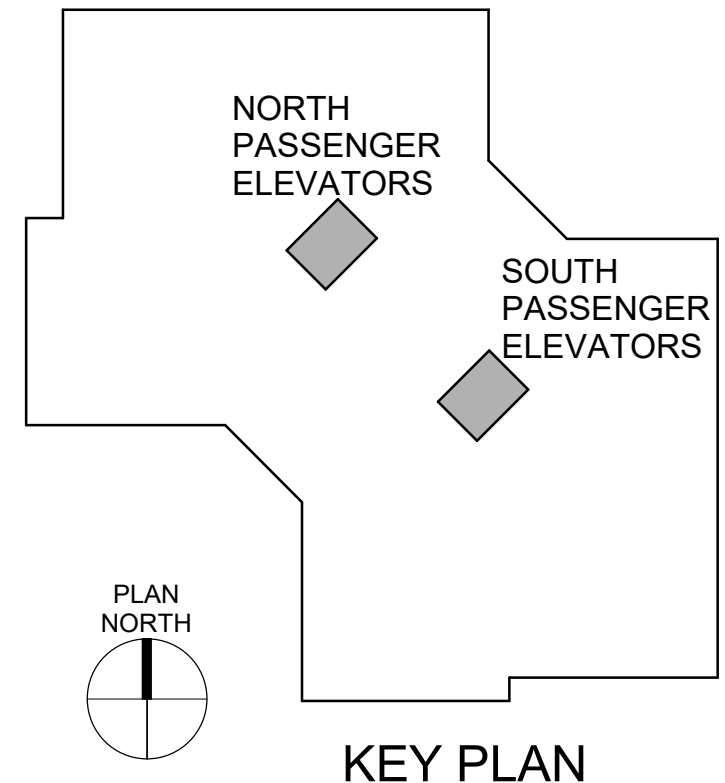
5. PROVIDE NEW POWER MODULE PANEL, 400A MLO, 277/480V, 3PH, 4W IN A NEMA 1 ENCLOSURE. PANEL SHALL INCLUDE THE FOLLOWING FUSIBLE SWITCHES (1) 100A-3P WITH 70A FUSES (ELEVATOR #1), (4) 60A-3P WITH 60A FUSES (ELEVATORS), (2) 30A-2P WITH 20A FUSES (HVAC) AND (1) 60A-2P WITH 50A FUSES (TRANSFORMER). PANEL SHALL BE BUSSMANN PMP-400 SERIES. FEED FROM ADJACENT AUTOMATIC TRANSFER SWITCH WITH (4)500KCMIL, (1)#3G, 3°C.
6. PROVIDE NEW TRANSFORMER, 15KVA, 480V, 1PH PRIMARY, 120/240V, 1PH SECONDARY. FEED FROM ADJACENT POWER MODULE PANEL WITH (3)#8, (1)#10G, 3/4" C.
7. PROVIDE NEW SURFACE MOUNTED PANELBOARD, 80A MCB, 120/240V, 1PH, 3W, 24 POSITION WITH (1) 60A-2P, (1) 15A-2P, (1) 30A-1P AND (12) 20A-1P CIRCUIT BREAKERS. FEED FROM ADJACENT TRANSFORMER WITH (3)#4, (1)#8G, 1" C.
8. PROVIDE ALL FINAL CONNECTIONS TO ELEVATOR CONTROLLER PER MANUFACTURERS WRITTEN INSTRUCTIONS. PROVIDE FEEDER WIRING FROM NEW POWER MODULE PANEL LOCATED IN THIS ROOM TO ELEVATOR CONTROLLER AND MOTOR. FEED WITH (3) #4 (1)#8, 1-1/4" C. FOR ELEVATOR #1 FEED WITH (3)#6, (1)#10G, 1" C TO ELEVATORS 2-8, 13 AND 14. COORDINATE ACTUAL HP WITH SELECTED ELEVATOR MANUFACTURER.

SHEET KEYNOTES

9. PROVIDE 120V, 30A, FUSED DISCONNECT SWITCH WITH 15A FUSES FOR ELEVATOR CAB LIGHTING AND POWER. COORDINATE LOCATION AND CONNECTION WITH ELEVATOR INSTALLER. PROVIDE (2)#12, (1)#12G, 3/4" C.
10. PROVIDE (2) DATA CABLES, (1) FOR PHONE AND (1) FOR TEXT/VIDEO LINE TO ELEVATOR CAB PER MANUFACTURERS WRITTEN INSTRUCTIONS.
11. PROVIDE POWER, WIRING AND FINAL CONNECTION TO EXISTING HVAC EQUIPMENT. FEED FROM 30A-3P FUSIBLE SWITCH WITH 20A FUSES IN NEW PDP-A, PDP-B. FEED WITH (3)#10, (1)#10G, 3/4" C.
12. PROVIDE POWER AND FINAL CONNECTION TO MINI SPLIT CONDENSER. FEED FROM 60A-2P CIRCUIT BREAKER IN PANEL PPA, PPB. PROVIDE 60A-2P NON FUSED HEAVY DUTY DISCONNECT IN NEMA 3R ENCLOSURE. FEED WITH (2)#6, (1)#10, 1" C.
13. PROVIDE POWER AND FINAL CONNECTION TO MINI SPLIT EVAPORATOR. FEED FROM 15A-2P CIRCUIT BREAKER IN PANEL PPA, PPB. PROVIDE 30A-2P NON FUSED HEAVY DUTY DISCONNECT IN NEMA 3R ENCLOSURE. FEED WITH (2)#12, (1)#12, 3/4" C.

SHEET KEYNOTES

14. PROVIDE POWER, WIRING AND FINAL CONNECTION TO EXHAUST FAN. FEED FROM 30A-1P CIRCUIT BREAKER IN PANEL PPA, PPB. FEED WITH (2)#10, (1)#10G, 3/4" C.
15. PROVIDE POWER, WIRING AND FINAL CONNECTION TO UNIT HEATER. FEED FROM 20A-1P CIRCUIT BREAKER IN PANEL PPA, PPB. FEED WITH (2)#12, (1)#12G, 3/4" C.
16. PROVIDE NEW GFCI DUPLEX RECEPTACLE, FEED FROM 20A-1P CIRCUIT BREAKER IN PANEL PPA, PPB. NO MORE THAN (2) RECEPTACLES PER CIRCUIT.



KEY PLAN