

ELEVATOR REPLACEMENT GOVERNOR'S MANSION Jefferson City



ARCHITECTURE

Simon Oswald Associate, Inc.

www.soa-inc.com

2801 Woodard Drive, Suite 103

Columbia, MO 65202

573.443.1407

Architecture Interior Design
Planning Sustainability

OWNER: STATE OF MISSOURI
 MICHAEL L. PARSON,
 GOVERNOR

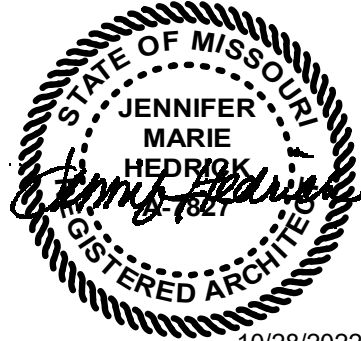
DESIGNER: Jennifer M. Hedrick - Architect
 PH#: (573)443-1407

PROJECT NUMBER: O2036-01

SITE NUMBER: 0001

FACILITY NUMBER: 05005

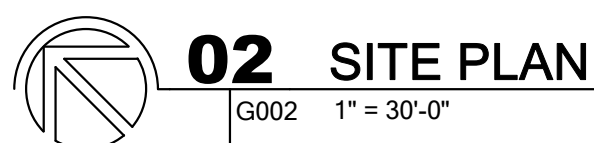
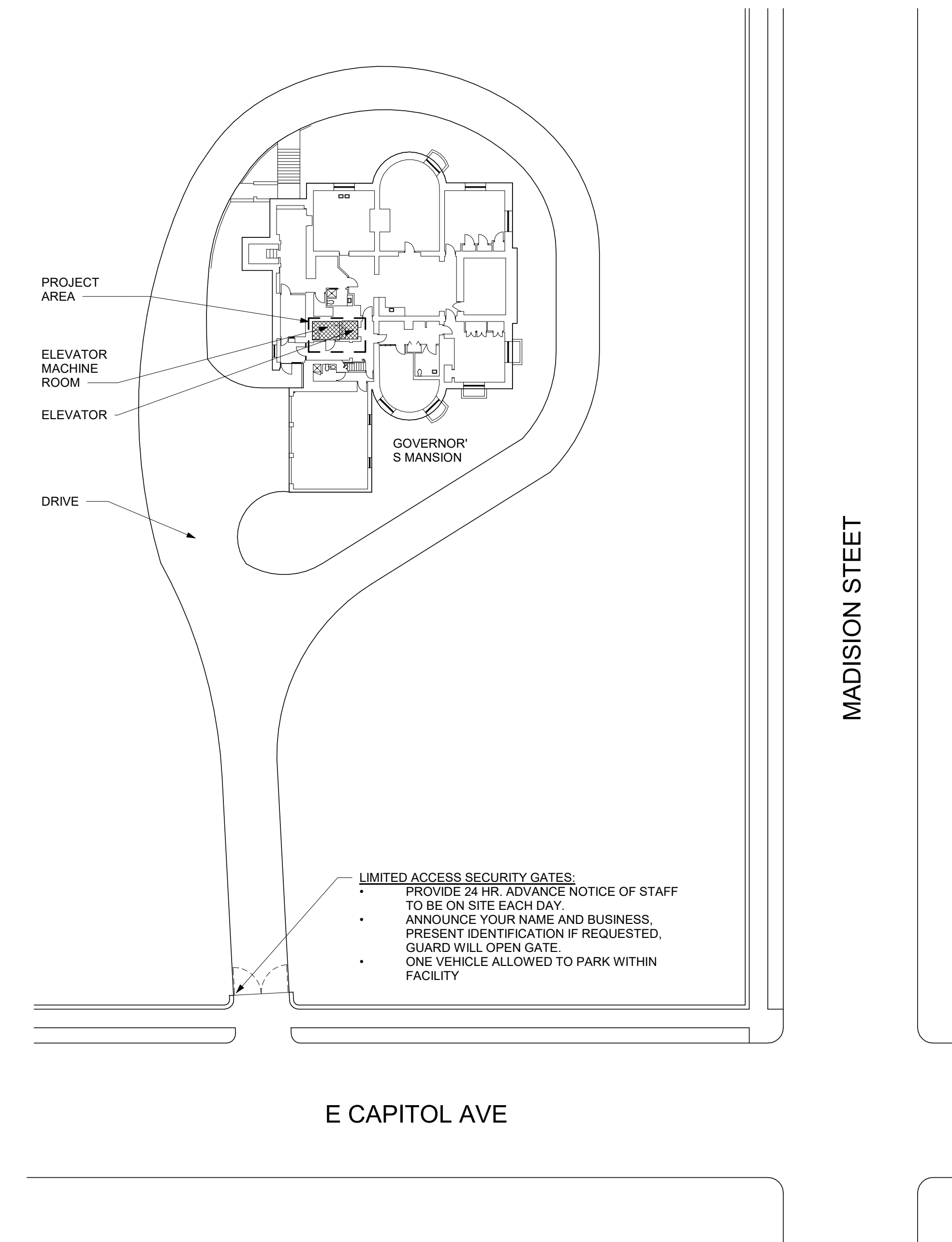
MISSOURI STATE CERTIFICATE OF AUTHORITY
000826



10/28/2022
Jennifer M. Hedrick - Architect
License No. A-5419

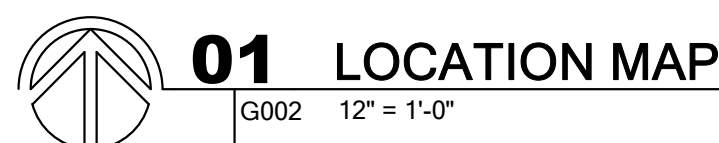
PROJECT STATE OF MISSOURI
MANAGMENT: OFFICE OF ADMINISTRATION
 DIVISION OF FACILITIES MANAGEMENT,
 DESIGN AND CONSTRUCTION

 <p>STRUCTURAL GRID</p>	 <p>BUILDING SECTION</p>	 <p>BUILDING ELEVATION</p>	 <p>01 VIEW NAME</p> <p>1/8" = 1'-0"</p> <p>DRAWING SHEET</p> <p>REFERENCING SHEET</p> <p>TRUE NORTH ARROW</p>
 <p>LEVEL MARKER</p>	 <p>WALL SECTION</p>	 <p>REVISION TAG</p>	
 <p>SPOT ELEVATION</p>	 <p>DETAIL SECTION</p>	 <p>DOOR TAG</p>	
 <p>WALL TAG</p>	 <p>INTERIOR ELEVATION</p>	 <p>OCCUPANT LOAD</p>	
		 <p>NEW WORK KEYNOTE</p>	
		 <p>DEMOLITION KEYNOTE</p>	



ARCHITECTURAL	
A101	DEMOLITION FLOOR PLAN AND ROOF PLAN
A102	FLOOR PLAN, ROOF PLAN, AND HOISTWAY SECTIONS
A103	INTERIOR ELEVATIONS, CAB DETAILS, & ROOM FINISH SCHEDULE
A104	DETAILS AND STRUCTURAL NOTES

1. Isolate HVAC system in area where work is being done to prevent contamination of dust system.
2. Complete all critical barriers or implement control cube method before construction begins.
3. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units for exhaust. Seal holes, pipes, conduits, and punctures appropriately.
4. Provide walk-off mats at entrance to work area. Replace used mats with new mats as needed or required.
5. Do not remove barriers from work area until project is completed. At the completion of the project carefully remove barriers to minimize spreading of dust and debris associated with construction.
6. Contain construction waste before transport in tightly covered containers.
7. Cover transport receptacle or carts; tape covering.
8. Remove isolation of HVAC system (in areas where work is being performed) at completion of job.
9. Discharge HEPA filtered negative air to outside of project limits within 18' of ceiling line.



ELECTRICAL	
E000	Electrical Symbols and General Notes
E100	Electrical Plans
EL100	Lighting Plans
EF100	Fire Alarm Plans
E601	Electrical Riser

APPLICABLE CODES:

BUILDING CODE:	2018 IBC
MECHANICAL CODE:	2018 IMC
PLUMBING CODE:	2018 IPC
ELECTRICAL CODE:	2017 NEC
FIRE CODE:	2018 IFC
ACCESSIBILITY:	ADAAG & ANSI 117-1
ELEVATOR CODE:	ASME A17.1-2004 SAFETY CODE FOR ELEVATORS AND ESCALATORS UP TO AND INCLUDING THE A17.1A-2016 ADDENDA AND THE A17.1S-2016 SUPPLEMENT.

LOCAL FIRE DEPARTMENT: CITY OF JEFFERSON CITY FIRE DEPARTMENT
LOCAL BUILDING CODE JURISDICTION: STATE OF MISSOURI

GENERAL INFORMATION:
USE GROUP: RESIDENTIAL (R) / BUSINESS (B)
CONSTRUCTION TYPE: III B

LIFE SAFETY FEATURES:
FIRE ALARMS THROUGHOUT - BATTERY BACKUP
FIRE EXTINGUISHERS THROUGHOUT - NFPA 10, IFC-906

FIRE RESISTIVE REQUIREMENTS - TYPE III B CONSTRUCTION
SHAFT ENCLOSURES:
ELEVATOR: 2-HOUR FIRE RATING

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3312 Lemone Industrial Boulevard
Columbia, MO 65201
(573) 875-8799

MEP ENGINEER:

IMEG Corp.
1600 Baltimore, Suite 300
Kansas City, MO, 64108
(816) 842-8437

ELEVATOR CONSULTANT:

ATIS Elevator Consulting
211 3rd Street
Valley Park, MO, 63088
(314) 668-7396

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

ELEVATOR REPLACEMENT

GOVERNOR'S MANSION

Jefferson City, Missouri

PROJECT # O2036-01
SITE # 0001
FACILITY # 05005
BID DOCUMENTS

REVISION	DATE

ISSUE DATE: 10/28/2022

CAD DWG FILE:
DRAWN BY: KMT
CHECKED BY: NBB
DESIGNED BY: SOA

SHEET TITLE:

SHEET INDEX AND LOCATION MAPS

SHEET NUMBER:

G002

SHEET 2 OF 14

ISSUE DATE: 10/28/2022



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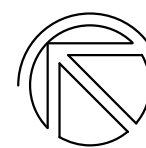
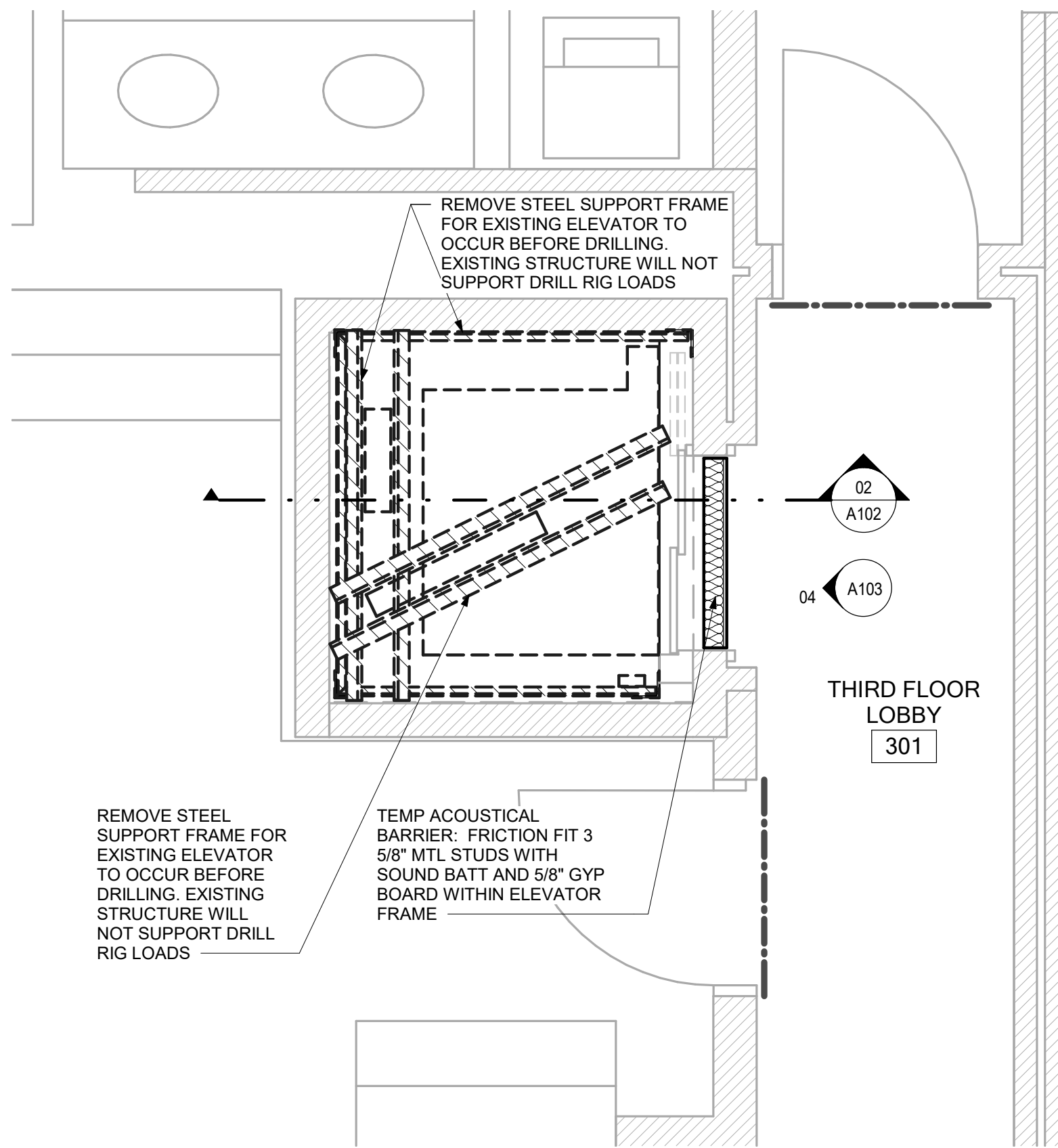
DEMOLITION
FLOOR PLAN AND
ROOF PLAN

SHEET NUMBER:

A101

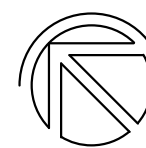
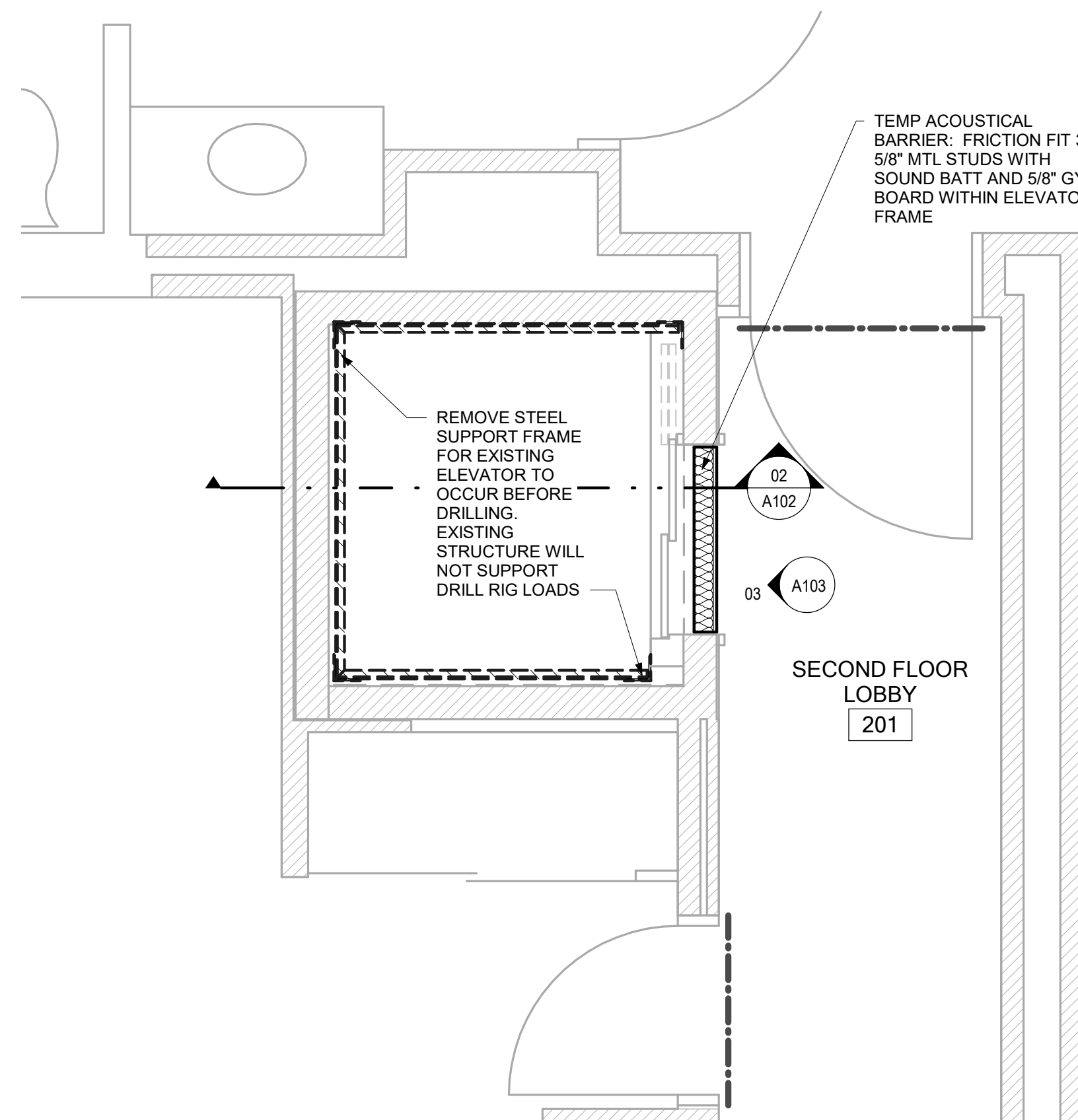
SHEET 3 OF 14

ISSUE DATE: 10/28/2022



04 DEMOLITION - THIRD FLOOR

A101 1/2" = 1'-0"



03 DEMOLITION - SECOND FLOOR

A101 1/2" = 1'-0"

DUST PARTITION LEGEND

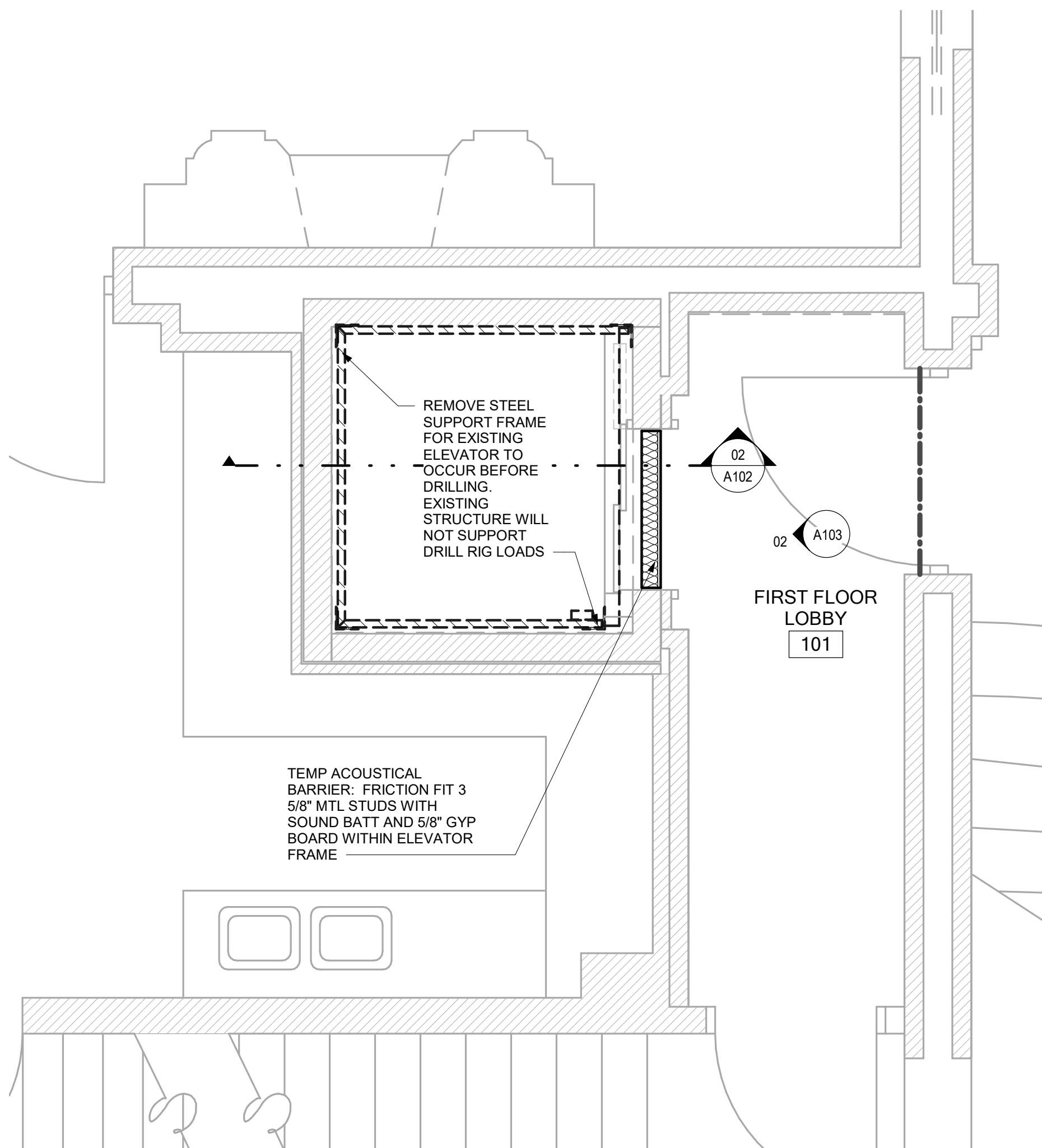
6 MIL. FIRE-RATED POLY BARRIER FROM FLOOR TO CEILING WITH 24" OVERLAP AT ROOM ENTRANCE FOR CONTRACTOR ACCESS.

1/4" THK MASONITE TO COVER DOOR AND FRAME AND SEAL WITH BLUE PAINTER'S TAPE.

6 MIL. FIRE-RATED POLY BARRIER FROM FLOOR TO CEILING TO PROTECT WALLS FROM DUST ACCUMULATION. CUT AROUND OPENINGS AS NEEDED.

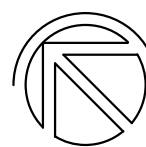
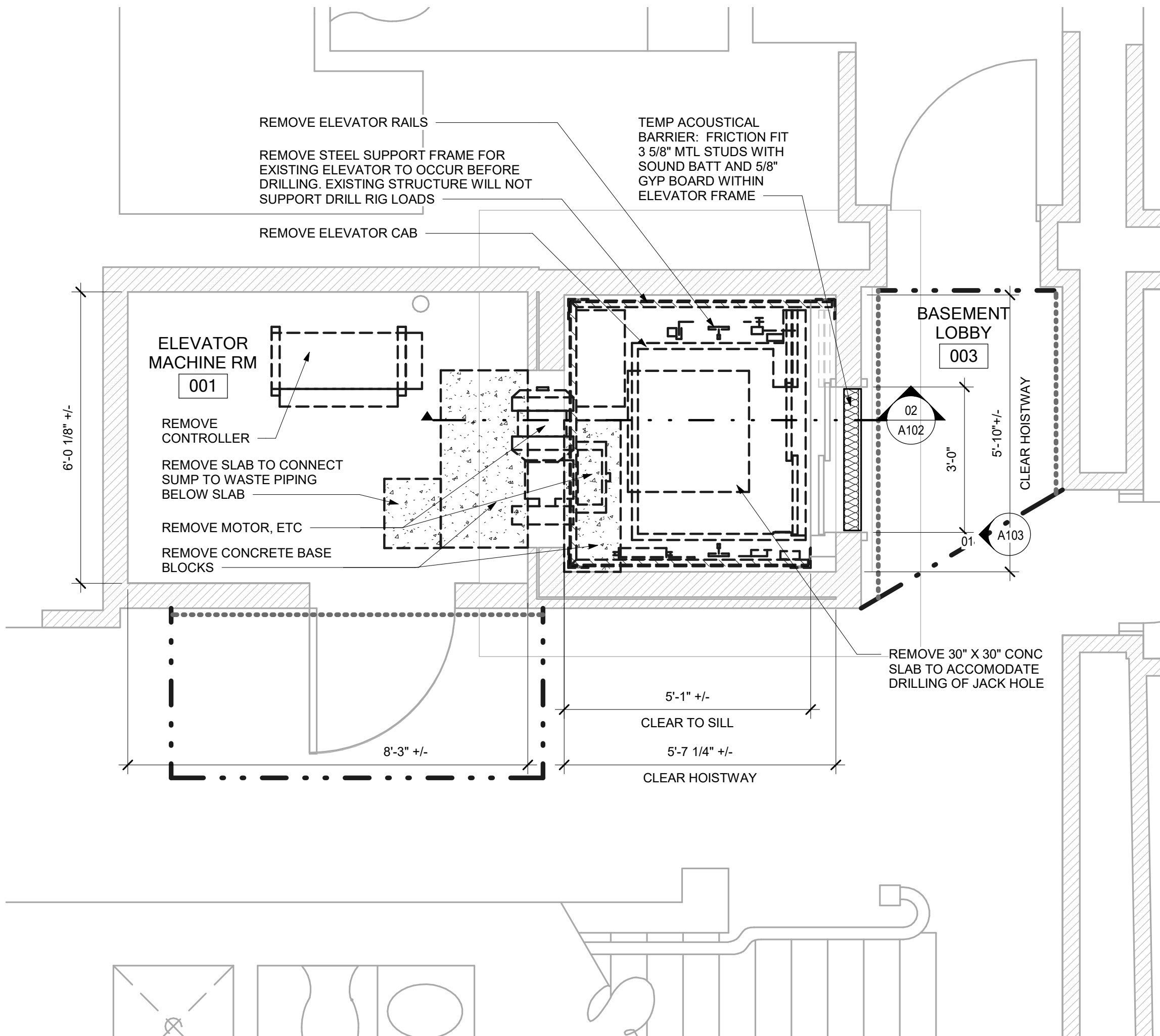
GENERAL NOTES - DEMOLITION

- REMOVE WALLS INDICATED BY THE FOLLOWING LINETYPE (UNLESS NOTED OTHERWISE):
- - - - -
- HEPA FILTERED EXHAUST OVER EXISTING WALL TO CEILING OUTSIDE OF PROJECTS LIMITS. DISCHARGE AIR TO BE ATTACHED TO A 24" X 24" LAY-IN DIFFUSER.



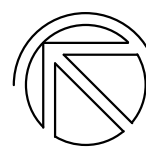
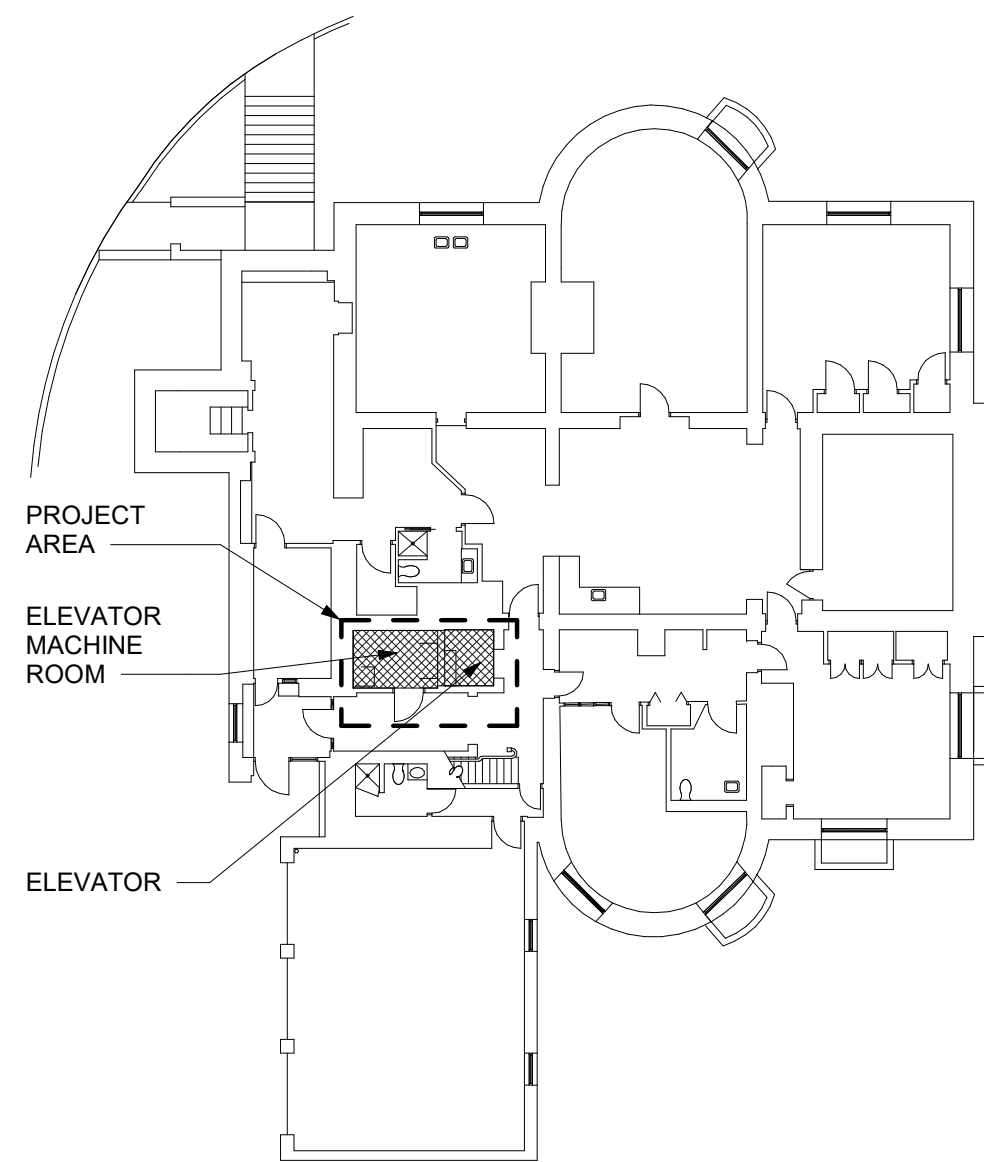
02 DEMOLITION - FIRST FLOOR

A101 1/2" = 1'-0"



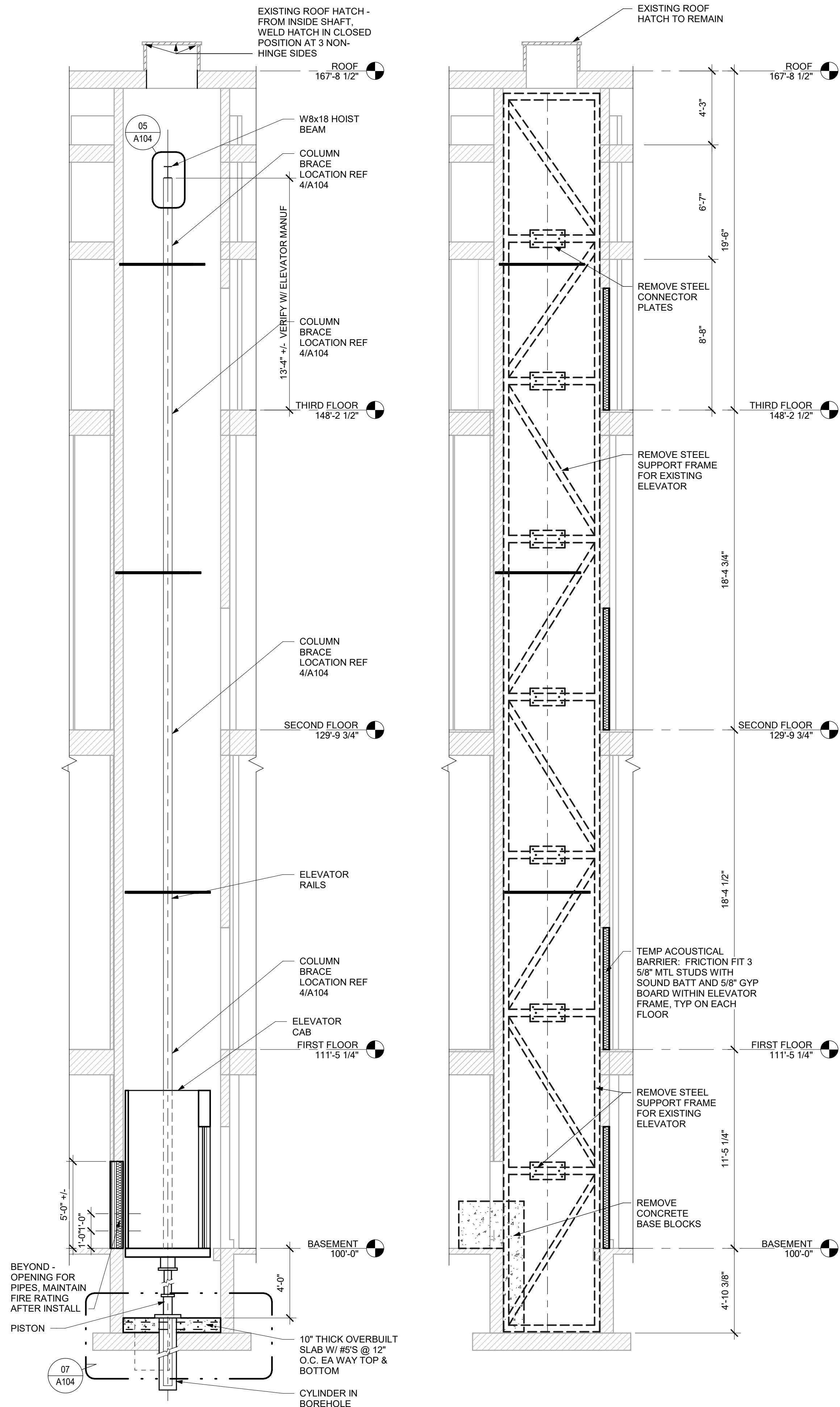
01 DEMOLITION - BASEMENT

A101 1/2" = 1'-0"



KEY PLAN

1" = 20'-0"

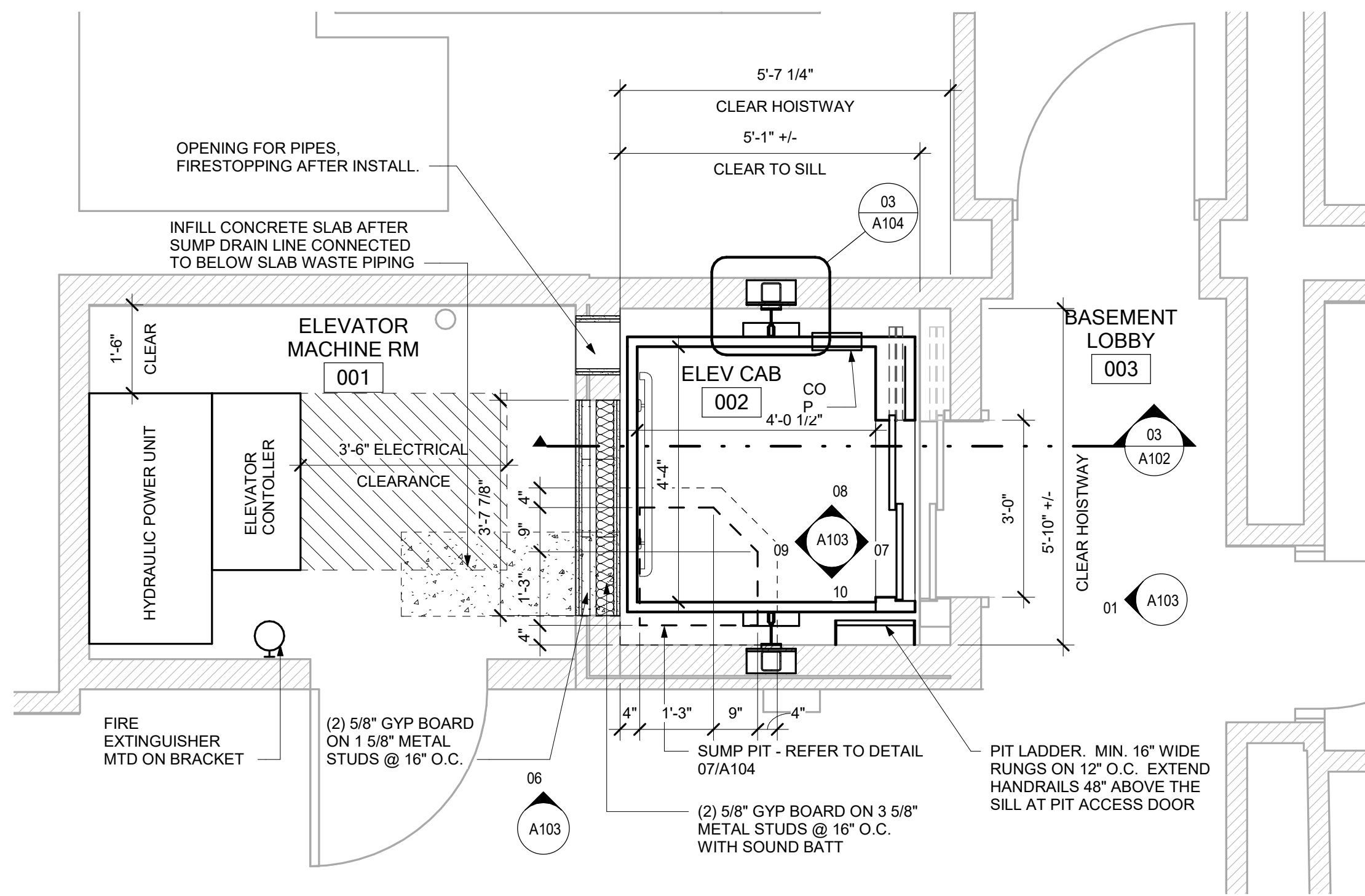


03 HOISTWAY SECTION NORTH

A102 | A102 1/4" = 1'-0"

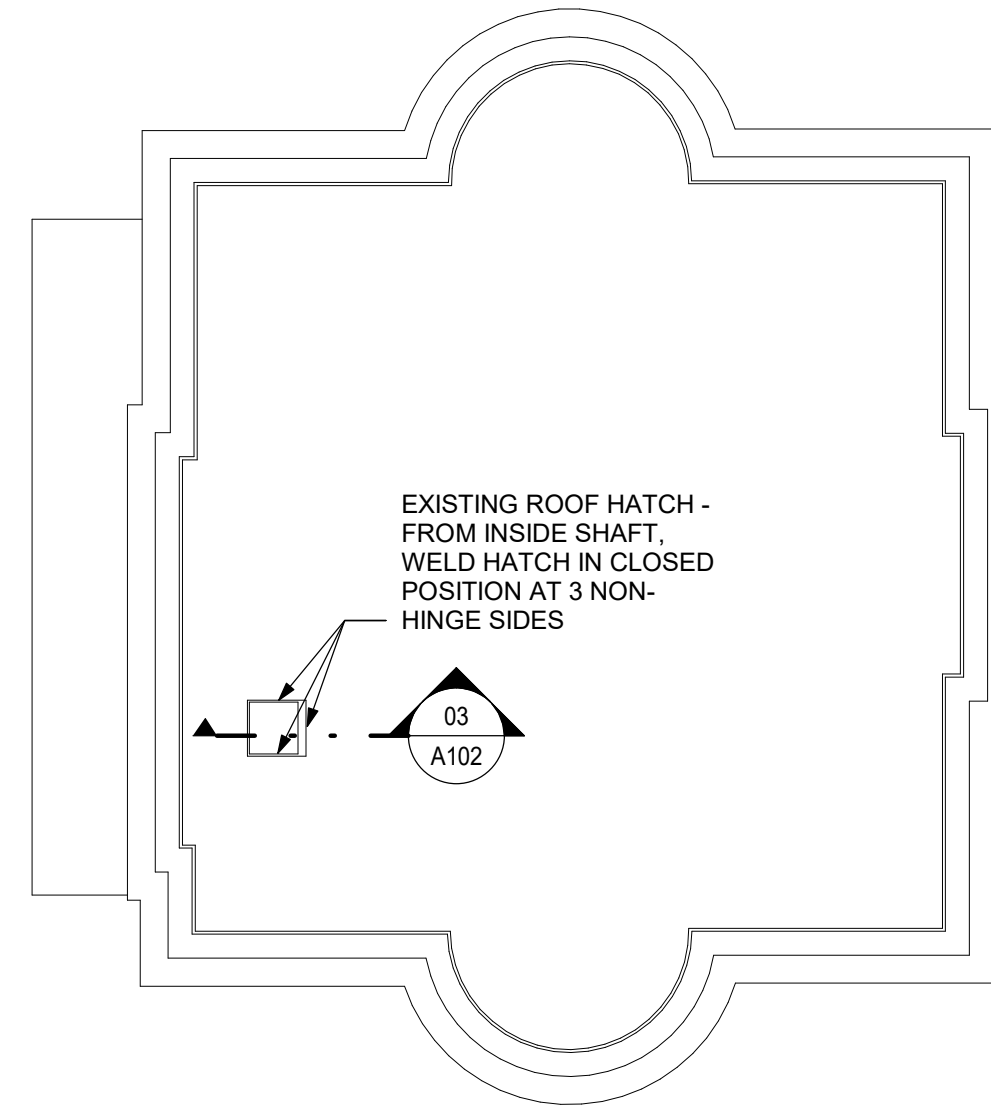
02 DEMO HOISTWAY SECTION NORTH

A101 | A102 1/4" = 1'-0"



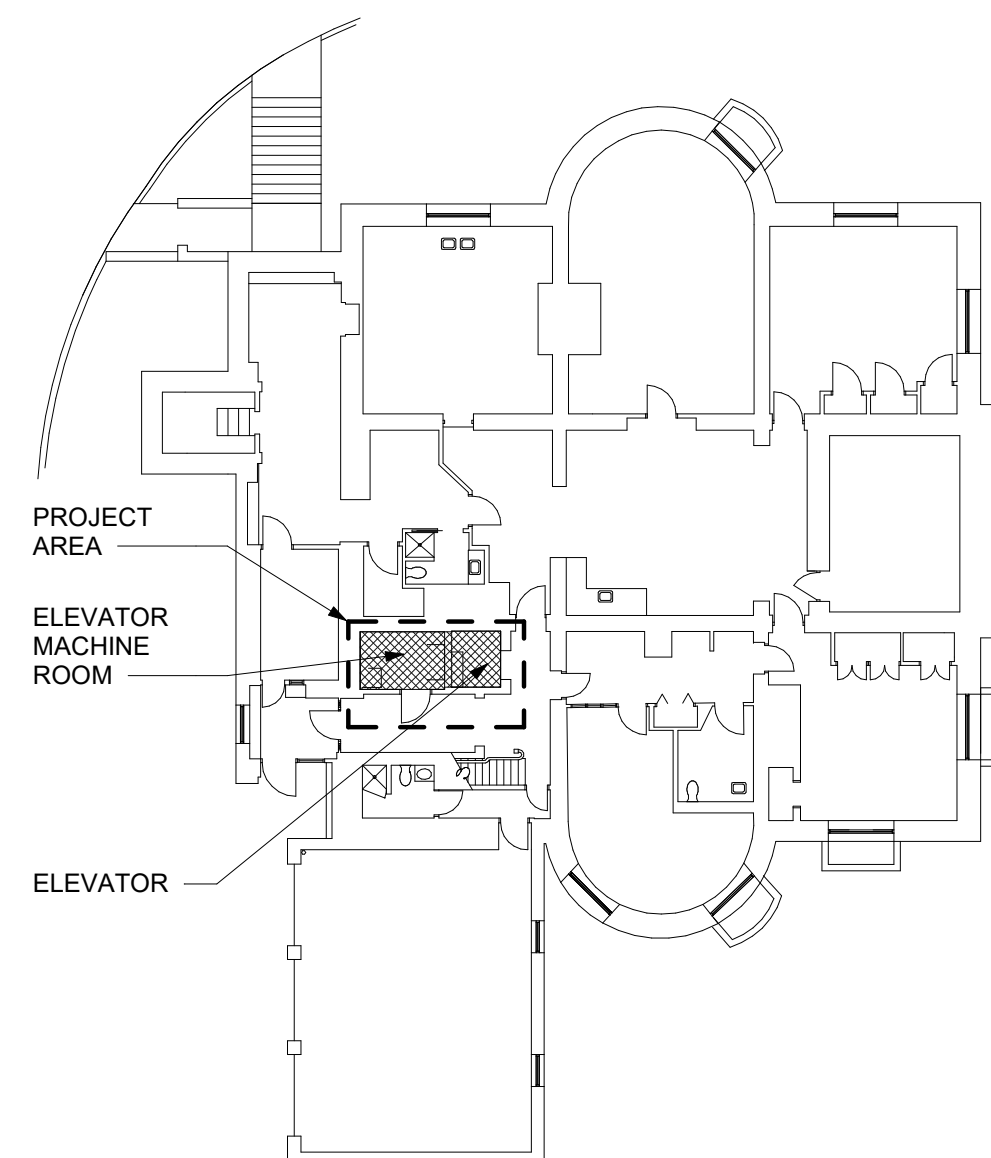
01 NEW WORK - BASEMENT

A101 | A102 1/2" = 1'-0"



04 NEW WORK ROOF

A102 1/16" = 1'-0"



KEY PLAN

1" = 20'-0"

NEW WORK GENERAL NOTES

1. FIELD VERIFY ALL DIMENSIONS. IF DIMENSIONS VARY SIGNIFICANTLY NOTIFY THE ARCHITECT
2. ALL DIMENSIONS TO FACE OF EXISTING FINISH OR FACE OF METAL STUDS UNLESS NOTED OTHERWISE
3. WHERE PENETRATIONS OF EXISTING SHAFT WALLS EXIST DUE TO WIRING, ETC. TO BE RELOCATED, REPLASTER TO RESTORE FIRE INTEGRITY OF PARTITION
4. SEAL ALL NEW AND EXISTING PENETRATIONS IN EXISTING SHAFT WALL WITH FIRE CAULKING
5. HOISTWAY ENTRANCE JAMBS ARE BEING RETAINED AND NEED TO BE PROPERLY FIRE GROUTED.
6. CONTRACTOR TO COORDINATE FINAL LADDER DESIGN AND LOCATION WITH ELEVATOR INSTALLER TO AVOID INTERFERENCE AND MEET CODE REQUIREMENTS.
7. WHERE PIPES, CONDUIT, ETC HAVE BEEN REMOVED, DRAFTSTOP ANY HOLES THAT ARE LEFT REMAINING.
8. FOLLOW INFECTION CONTROL PRECAUTIONS IN ALL AREAS WHERE WORK IS BEING PERFORMED. REFERENCE SITE SECURITY AND HEALTH REQUIREMENTS (OA) SECTION OF PROJECT MANUAL FOR MORE DETAILS.

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MIKE PARSON,
GOVERNOR



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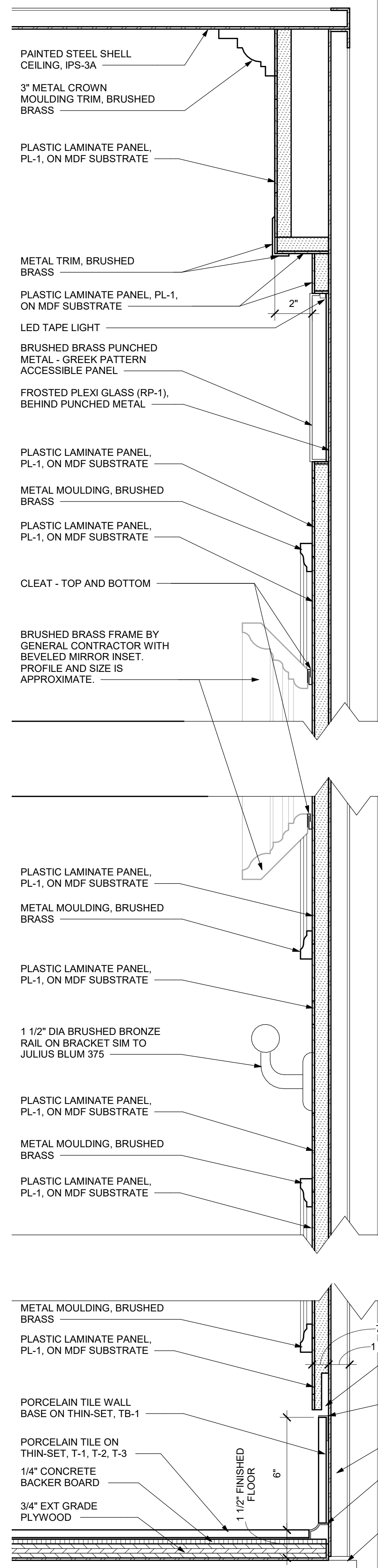
SHEET TITLE:
**FLOOR PLAN,
ROOF PLAN, AND
HOISTWAY
SECTIONS**

SHEET NUMBER:

A102

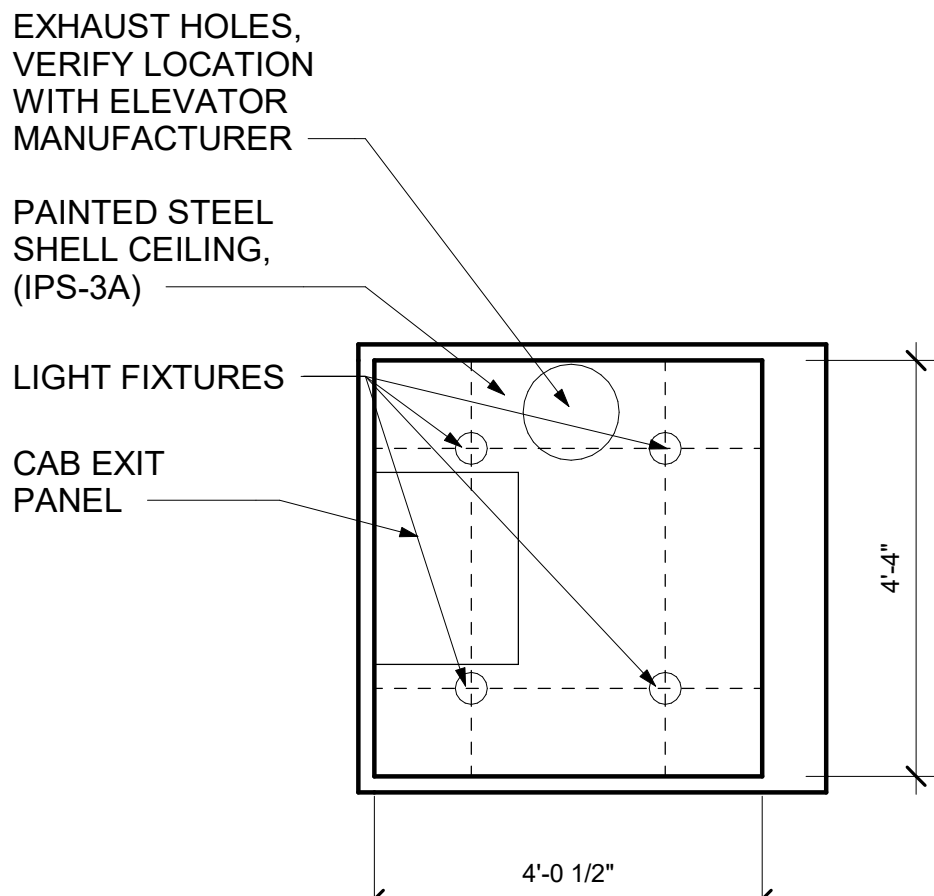
SHEET 4 OF 14

ISSUE DATE: 10/28/2022



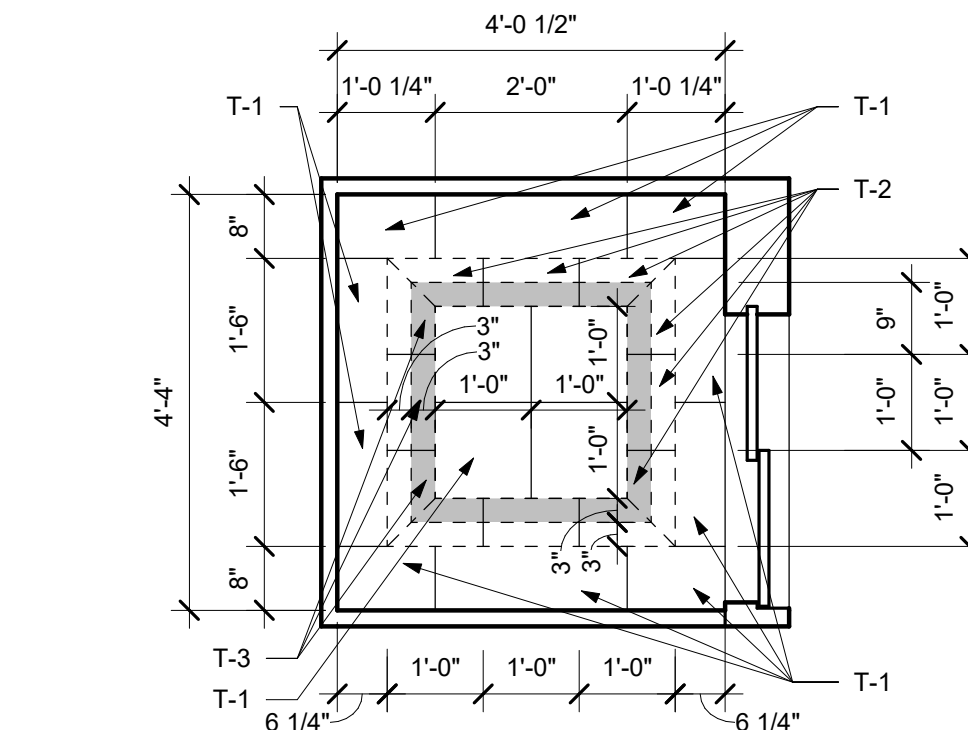
05 DETAIL THRU CAB BACK WALL

A103|A103 3\"/>



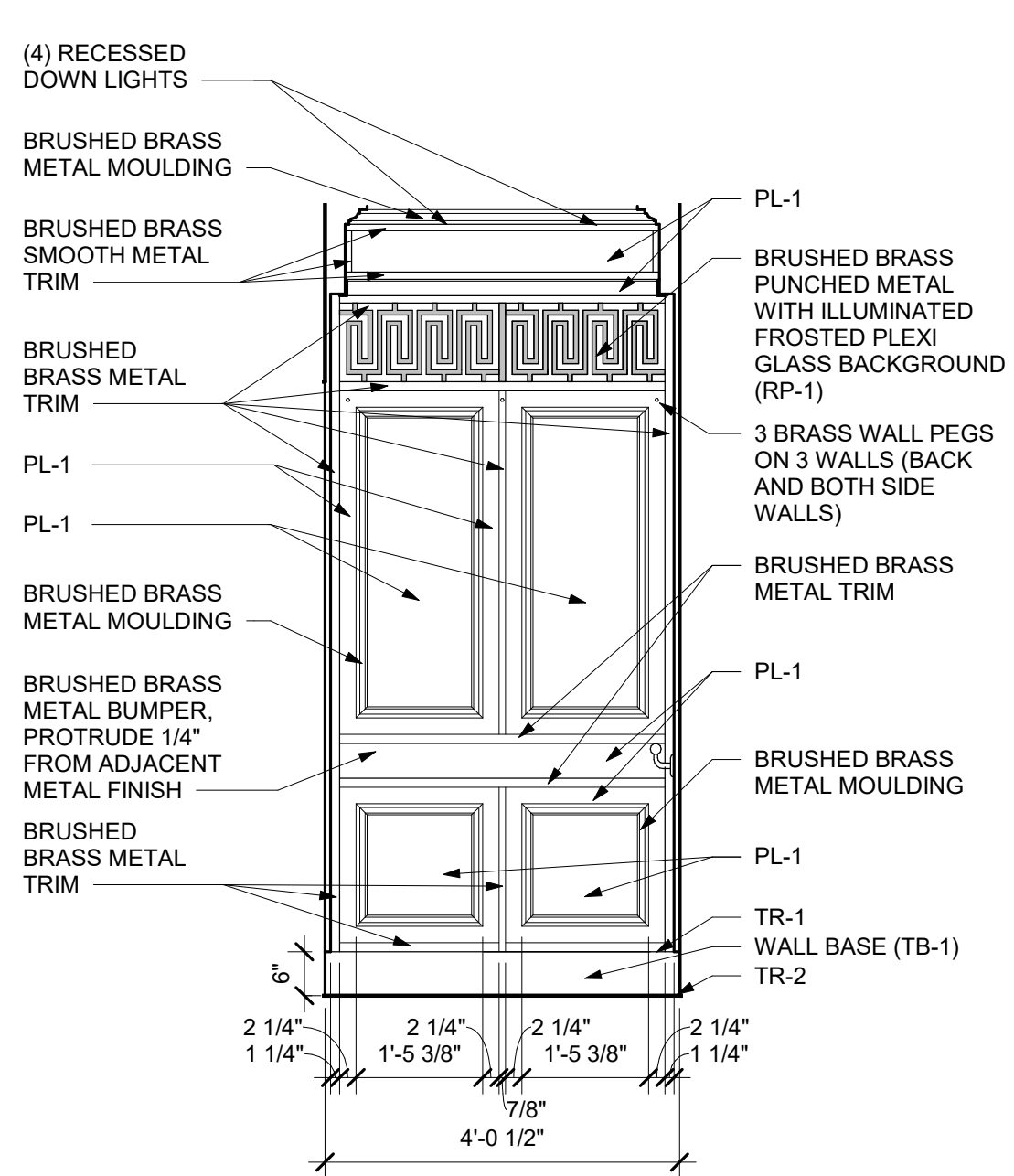
12 CAB - CEILING

A102|A103 1/2\"/>



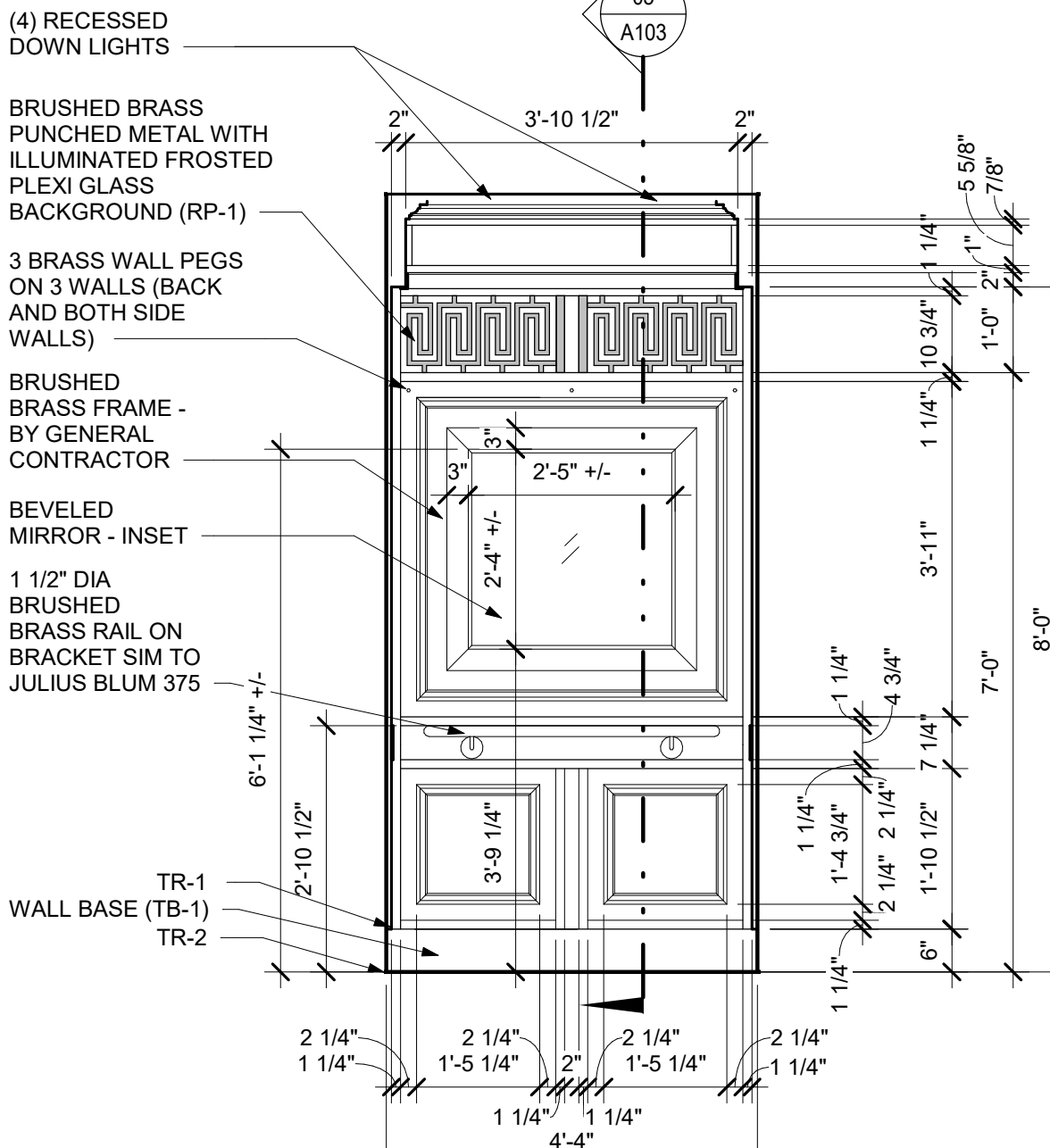
11 CAB FLOOR FINISH PLAN

A103 1/2\"/>



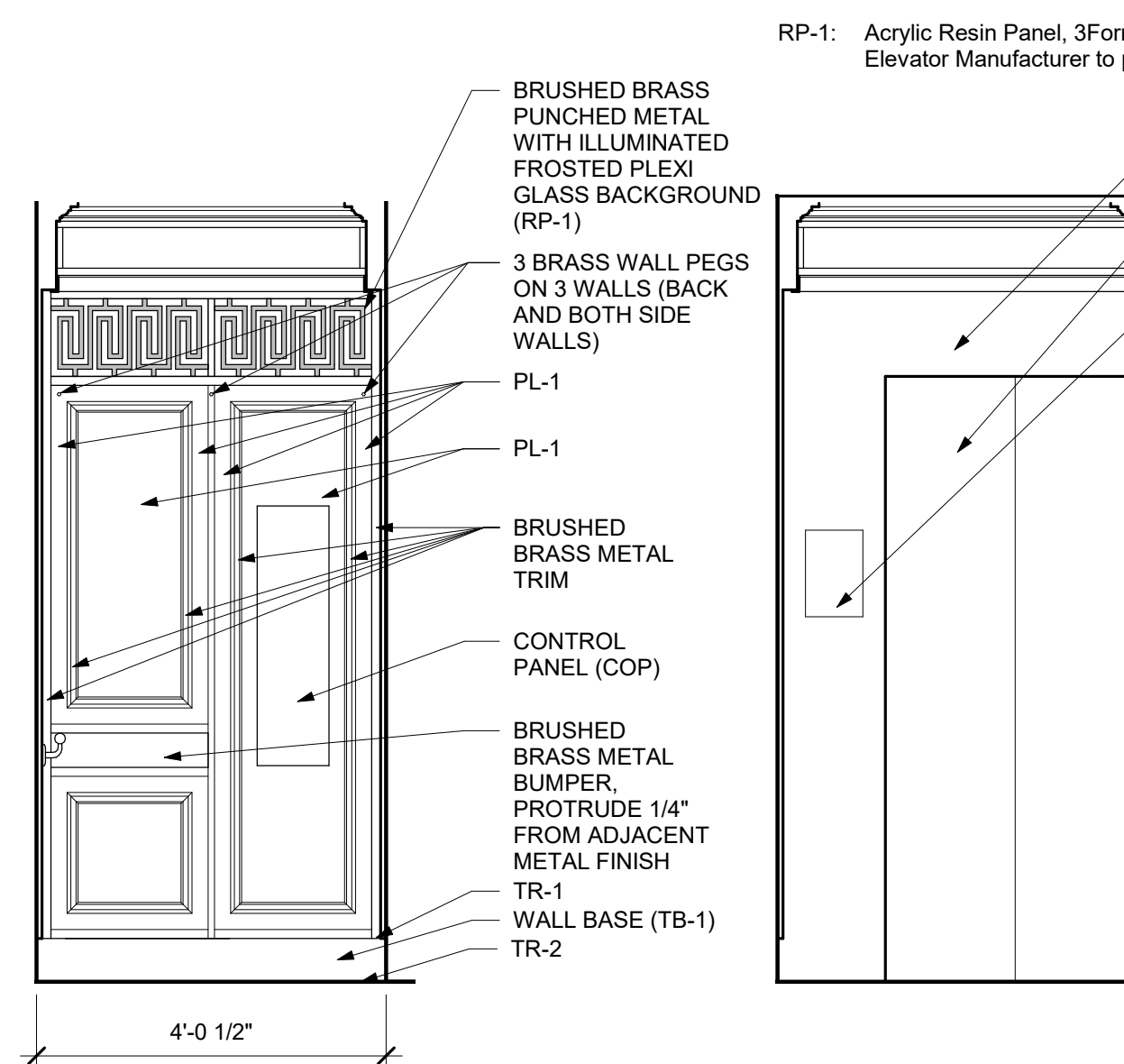
10 CAB - SOUTH

A102|A103 1/2\"/>



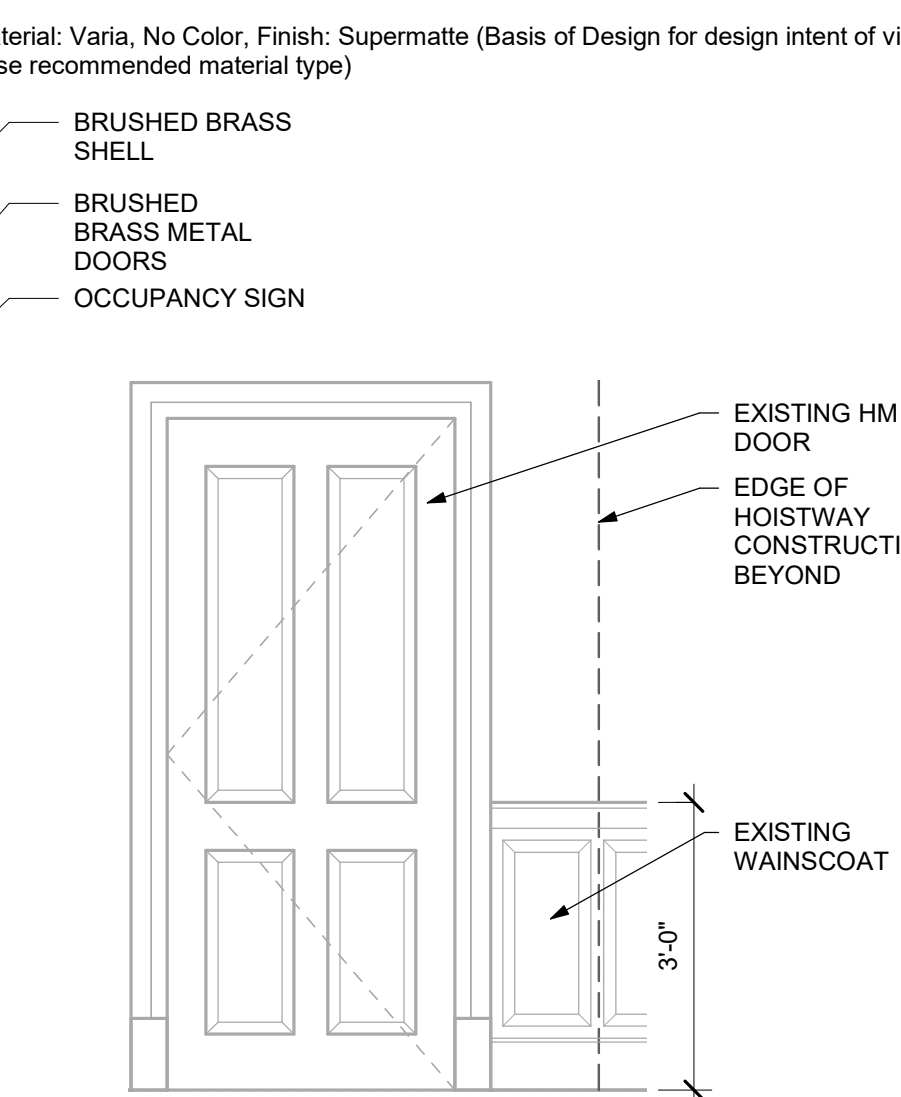
09 CAB - WEST

A102|A103 1/2\"/>



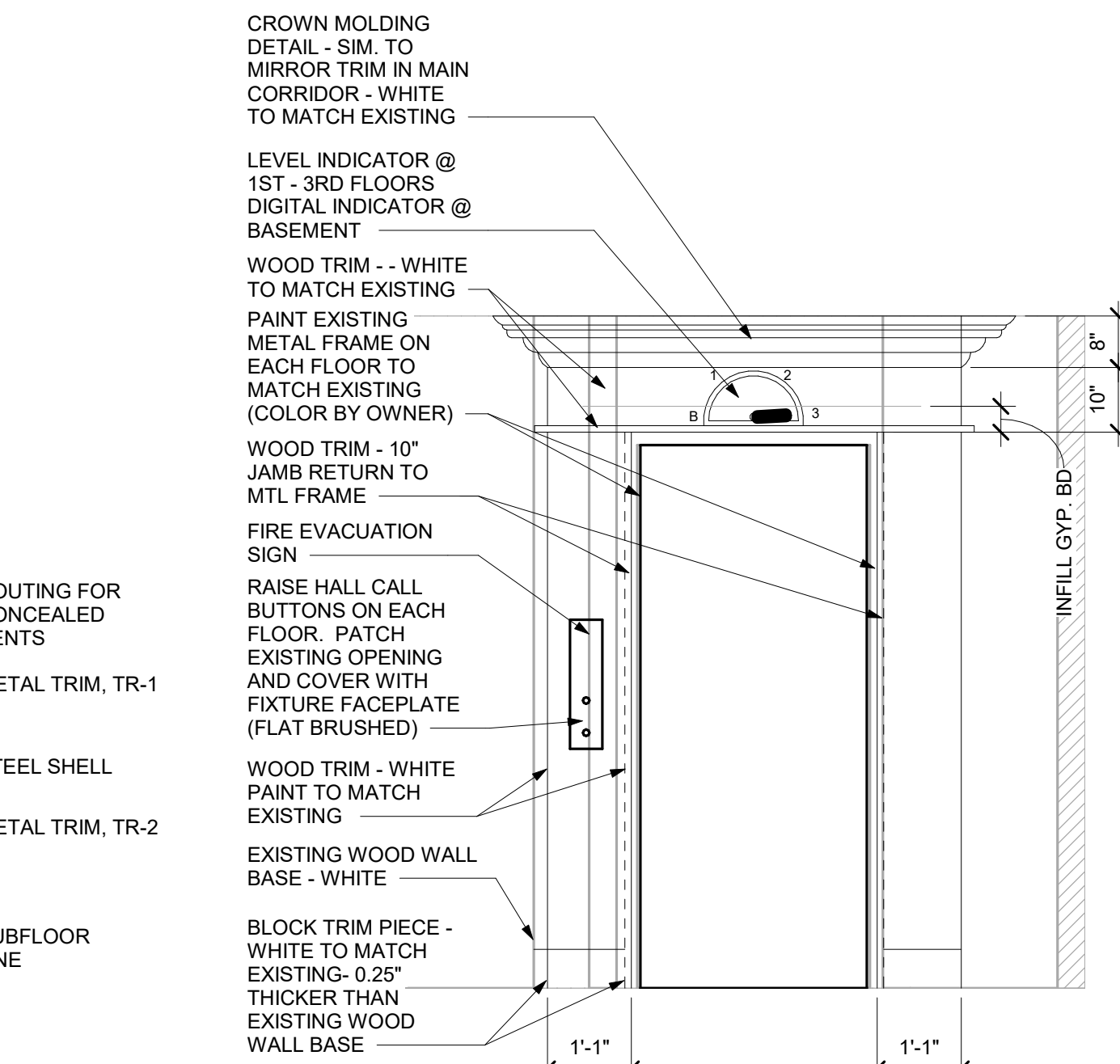
08 CAB - NORTH

A102|A103 1/2\"/>



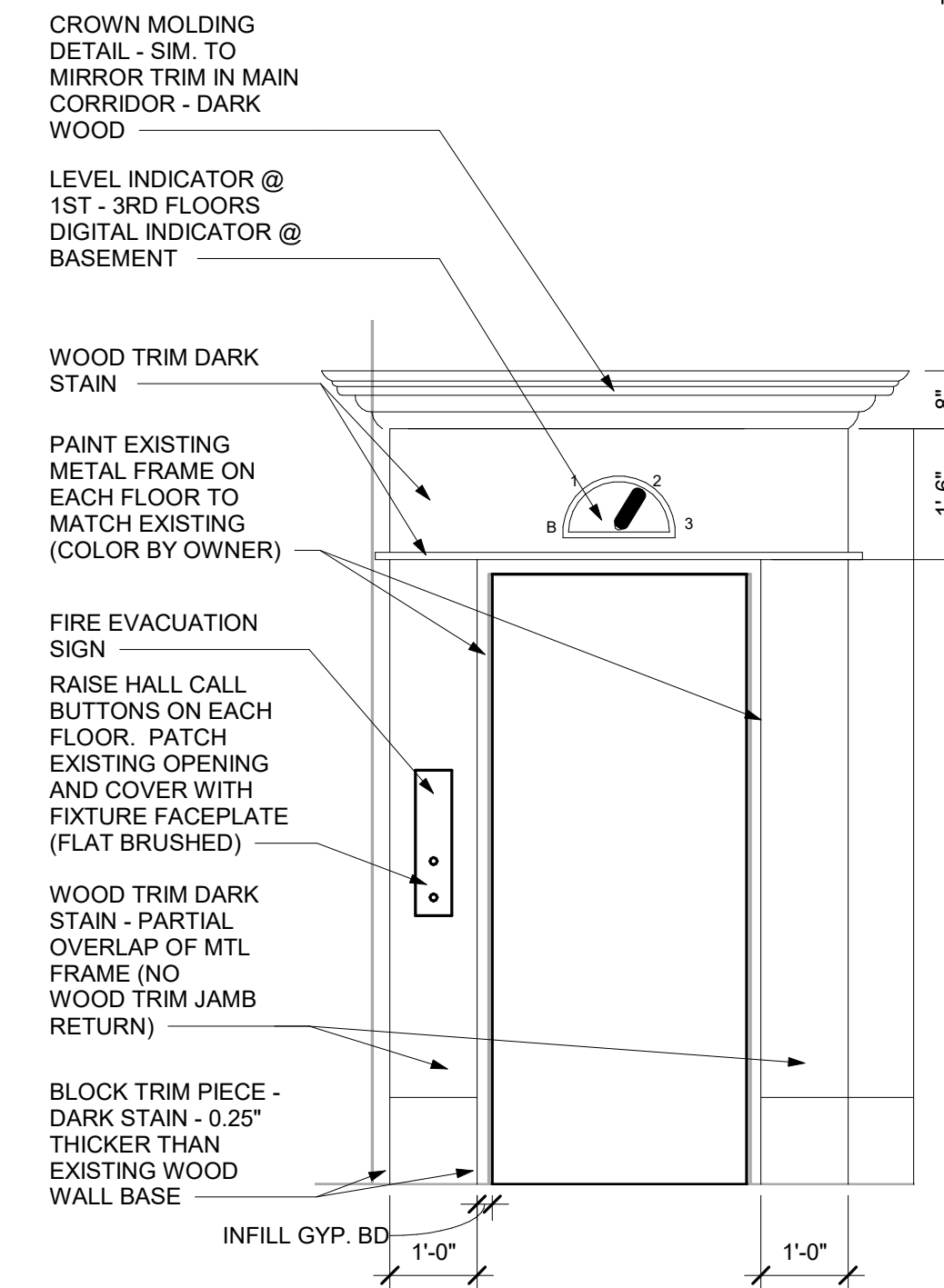
06 ELEV. MACHINE RM DOOR

A102|A103 1/2\"/>



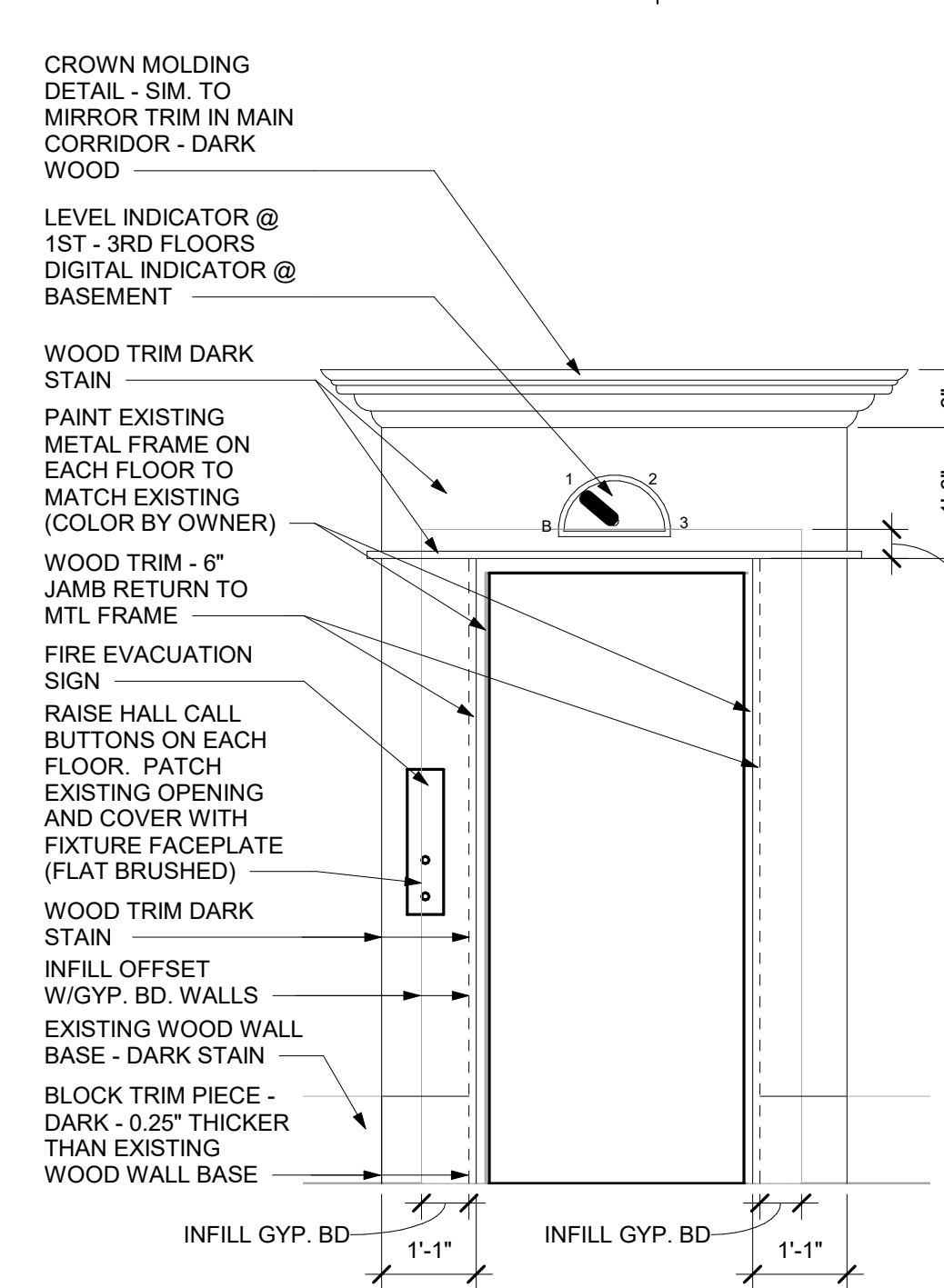
04 THIRD FLOOR LOBBY

A101|A103 1/2\"/>



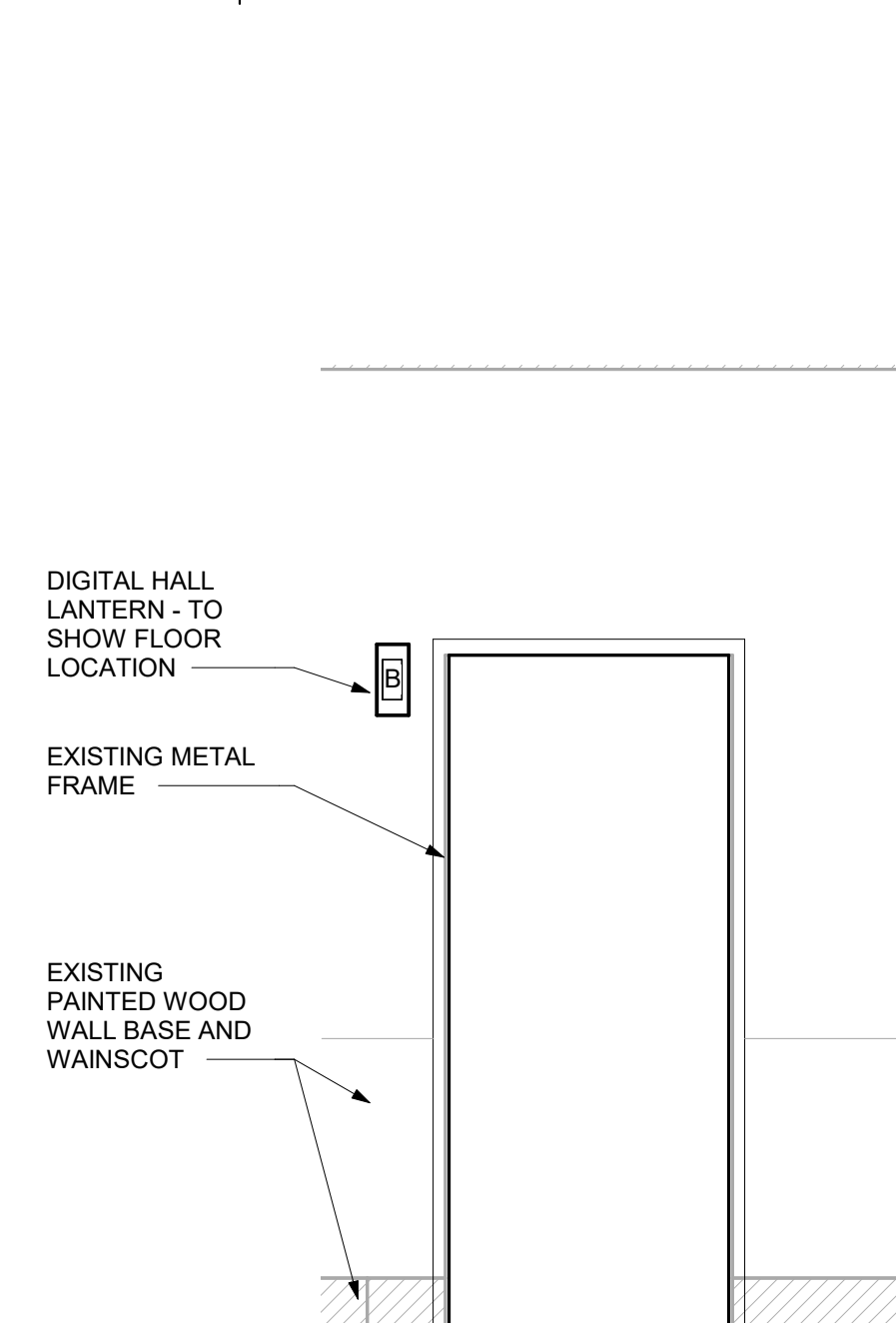
03 SECOND FLOOR LOBBY

A101|A103 1/2\"/>



02 FIRST FLOOR LOBBY

A101|A103 1/2\"/>



01 BASEMENT LOBBY

A101|A103 1/2\"/>

ROOM FINISH SCHEDULE										
ROOM NO	ROOM NAME	FLOOR	BASE	WALLS				CEILING	Room Height	NOTES
				NORTH	SOUTH	EAST	WEST	MATL		
BASEMENT										
001	ELEVATOR MACHINE RM	IPS - 7A	RB - 1	IPS - 1A	IPS - 1A	IPS - 1A	IPS - 1A	EXIST	EXIST	
002	ELEV CAB	T-1, T-2, T-3	TB-1	06/A103	08/A103	05/A103	07/A103	BY ELEV MANUF (IPS-3A)	9'-0"	
003	BASEMENT LOBBY	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	02/A103	EXIST.	EXIST.	1, 2
FIRST FLOOR										
101	FIRST FLOOR LOBBY	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	02/A103	EXIST.	EXIST.	1, 2
SECOND FLOOR										
201	SECOND FLOOR LOBBY	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	02/A103	EXIST.	EXIST.	1, 2
THIRD FLOOR										
301	THIRD FLOOR LOBBY	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	02/A103	EXIST.	EXIST.	1, 2

FINISH SCHEDULE NOTES:

1. PATCH EXISTING WALLCOVERING WITH OWNER ATTIC STOCK WHERE REQUIRED ONLY AT LOBBY LOCATIONS WHERE ELEVATOR EQUIPMENT HAS BEEN REMOVED.
2. PAINT EXISTING METAL ELEVATOR FRAME AT EACH LOBBY TO MATCH EXISTING COLOR.

INTERIOR FINISH KEY:

FLOORS:

- Tile**
- T-1: Porcelain Tile, Manf: Vellelunga & Co, Pattern: Luce, Size: 12"x24", Color: Luce Oro, Finish: Satin (Cut to size as shown on finish floor plan) *Grout: Manf: Mapei, Color: Avalanche 38"
- T-2: Porcelain Tile, Manf: Vellelunga & Co, Pattern: Luce, Size: 3"x12", Color: Luce Oro, Finish: Satin (Cut to size as shown on finish floor plan) *Grout: Manf: Mapei, Color: Avalanche 38"
- T-3: Porcelain Tile, Manf: Marazzi, Pattern: Glasserino Marble, Size: 3"x12", Color: Corinthe Beige, Finish: Matte (Cut to size as shown on finish floor plan) *Grout: Manf: Mapei, Color: Walnut 106"

- TR-1: Metal Trim, Schluter, Jolly, Aluminum Brushed Brass Anodized (Dashed line in finish floor plan, top trim of TB-1)
- TR-2: Metal Trim, Schluter, Dilex Cove-shaped profile, Aluminum Brushed Brass (Including Dilex-AHK Inside Corner Accessories)

Paint

- IPS-7A: Paint on concrete, Sherwin Williams, Armoseal Tread-Plex, Haze Grey

Base

- RB-1: Resilient Wall Base, Roppe, 123 Charcoal, 4" h coved base
- TB-1: Tile Wall Base, Same porcelain tile as T-1 (Cut to 6" height with TR-2 cove trim and TR-1 top trim)

WALLS:

- IPS -1A: Semi-Gloss Latex Paint on Gyp. Bd. Sherwin Williams, SW7035 Aesethetic White (Machine Room)
- IPS-3A: Factory finish to match Sherwin Williams, SW7049 Nuance (elevator cab ceiling)
- PL - 1: Plastic Laminate, LaminArt - VeneraArt, Renaissance Cherry #953-TG, Tru-Gran Finish, Flat Cut/Book Matched

- RP-1: Acrylic Resin Panel, 3Form, Material: Varia, No Color, Finish: Supermatte (Basis of Design for design intent of visual: Elevator Manufacturer to propose recommended material type)

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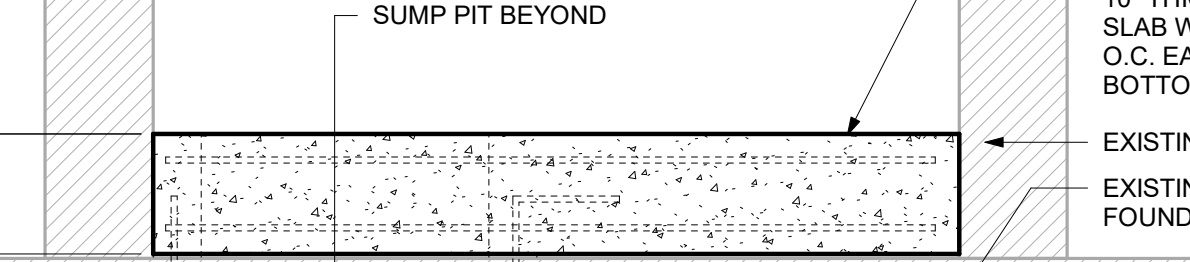
SHEET TITLE:
**INTERIOR
ELEVATIONS, CAB
DETAILS, & ROOM
FINISH SCHEDULE**

SHEET NUMBER:

A103

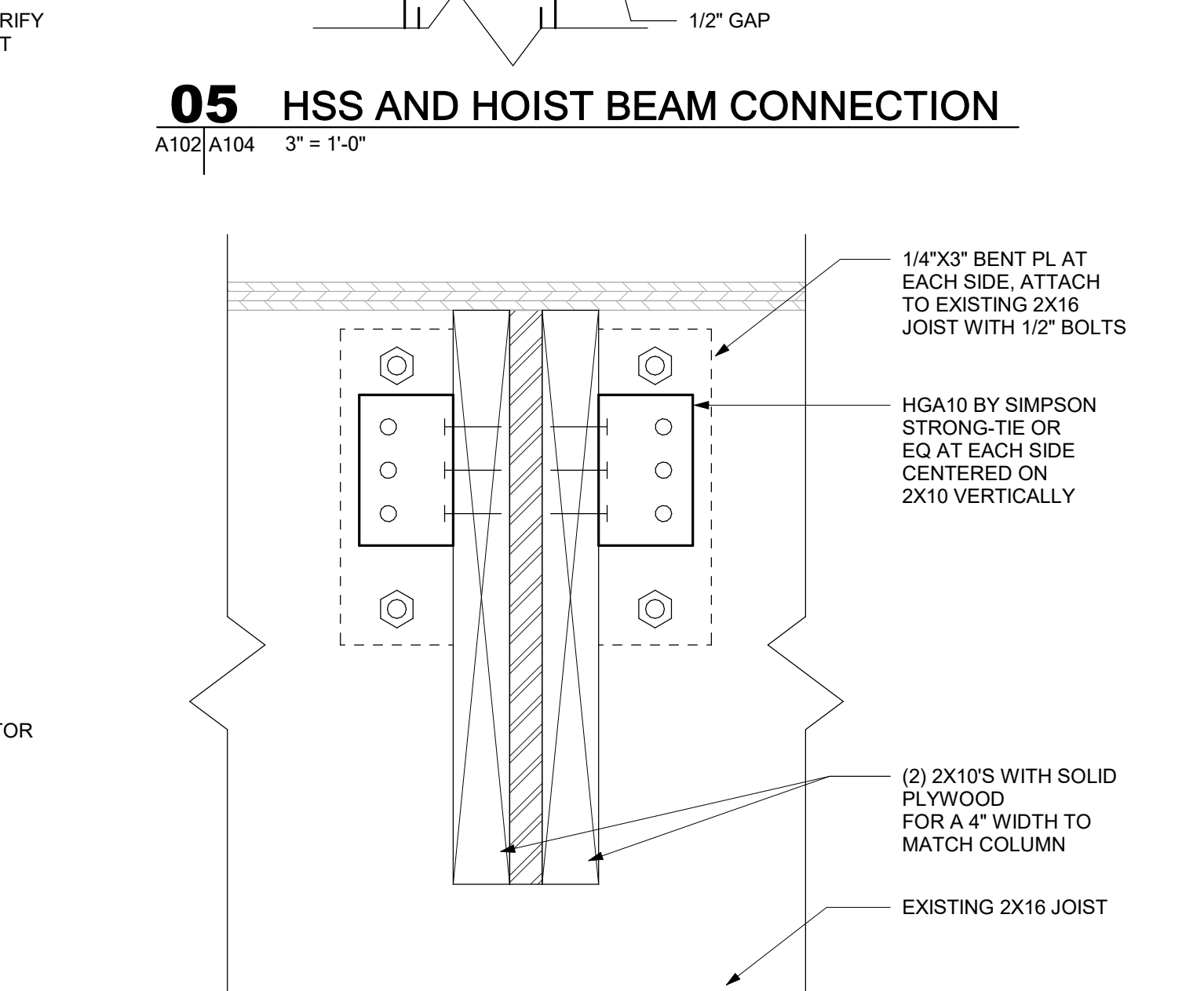
SHEET 5 OF 14

ISSUE DATE: 10/28/2022

- 
- Diagram illustrating a typical elevator pit section detail. The pit is shown within a foundation, with a 10" thick overbuilt slab on top. The pit walls are existing, and the floor is also existing. The pit is 10" deep. The foundation is 3'-0" high. The pit is 2'-0" wide. The pit is reinforced with #4 bars at 12" o.c. horizontally and #4 U bars at 12" o.c. maximum, extending into the slab with standard ACI tension hooks. A sump pit is located beyond the main pit.
- Labels and Dimensions:
- SUMP PIT BEYOND
 - 10" THICK OVERBUILT SLAB W/ #5'S @ 12" O.C. EA WAY TOP & BOTTOM
 - EXISTING PIT WALL
 - EXISTING PIT FLOOR FOUNDATION
 - 10"
 - 3'-0"
 - 2'-0"
 - 4"
 - 4"
 - #4 AT 12" o.c. HORIZ
 - #4 "U" BARS @ 12" o.c. MAX, EXTEND INTO SLAB WITH STANDARD ACI TENSION HOOK
 - 4" TYP

- 07** TYP ELEVATOR PIT
- A102 | A104 3/4" = 1'-0"
- and
-
- The diagram is a cross-sectional elevation of an elevator pit. It features two vertical HSS 4x4x1/4 columns. Between the columns, there are guide tabs labeled "GUIDE TABS 1/4\" x 2 1/2\"". A horizontal plate, labeled "PL 5 x 5/8\" x 0'-5\"", is positioned between the columns. A dimension line indicates a distance of 40 units from the centerline of the columns to the centerline of the plate. A note "PROVIDE COLUMN SPLICE AT LOCATIONS INDICATED BY 50% DETECTION" is at the bottom. The drawing is labeled "TYP" (typical) and includes a scale of 3/4\" = 1'-0\".
- HSS 4X4X1/4
COLUMN
- GUIDE TABS 1/4" X 2 1/2"
- 40
- PL 5 x 5/8" x 0'-5"
- HSS 4X4X1/4
COLUMN
- PROVIDE COLUMN SPLICE AT LOCATIONS
INDICATED BY 50% DETECTION
- TYP

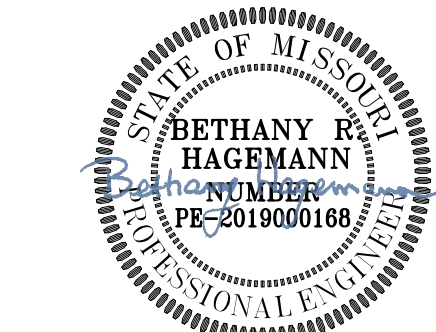
- 06 COLUMN SPLICE DETAIL**
- A104 3" = 1'-0"
-
- 1/4" CAP PLATE
- HSS 4X4X1/4" COLUMN
- W8X18
- 5/16" 5 1/2" 5/16" 5 1/2"
- 2 1/2"
- 3"
- 1 1/4" TYP
- 1 1/2"
- PL 4"x2/8"x0' 5 1/2"



02 COLUMN BRACING BLOCKING DETAIL

01 COLUMN BRACING DETAIL AT FLOOR/ROOF - NARROW SPACE TO JOIST

04 COLUMN BRACING DETAIL AT FLOOR/ROOF - WIDE SPACE TO JOIST



STRUCTURAL ENGINEER:
Allstate Consultants LLC
3312 Lemone Industrial Boulevard
Columbia, MO 65201
(673) 875-8799

MEP ENGINEER:
IMEG Corp.
1600 Baltimore, Suite 300
Kansas City, MO, 64108
(816) 842-8437

ELEVATOR CONSULTANT:
ATIS Elevator Consulting
211 3rd Street
Valley Park, MO, 63088
(314) 668-7396

Jennifer M. Hedrick - Architect
License No. A-5419



Architecture

Interior Design

Planning

Sustainability

2801 Woodard Drive, Suite 103
Columbia, MO 65202
573.443.1407

www.soa-inc.com

Missouri Certificate of Authority Number: 000826

STRUCTURAL ENGINEER

Airstate Consultants LLC
3312 Lemone Industrial Boulevard
Columbia, MO 65201
(573) 875-8799

MEP ENGINEER

1600 Baltimore, Suite 300
Kansas City, MO, 64108
(816) 842-8437

ELEVATOR CONSULTANT

211 3rd Street
Valley Park, MO, 63088
(314) 668-7396

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GOVERNOR'S MANSION

Jefferson City, Missouri

PROJECT # O2036-01

SITE # 0001

FACILITY # 05005

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ABBREVIATIONS		ABBREVIATIONS	
ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
AAV	AUTOMATIC AIR VENT	GA	GAUGE
ABAN	ABANDON	GAL	GALLON
ABV	ABOVE	GALV	GALVANIZED
AC	AIR CONDITIONING UNIT	GRD	GROUND
ACC	AIR COOLED CONDENSER	GPM	GALLON PER MINUTE
ACU	AIR COOLED CONDENSING UNIT	GRL	GRILLE
AD	ACCESS DOOR	GSNK	GOOSENECK
AF	AFTER FILTER	HC	HEATING COIL
AFF	ABOVE FINISHED FLOOR	HX	HEAT EXCHANGER
AHU	AIR HANDLING UNIT	HORIZ	HORIZONTAL
AMB	AMBIENT	HP	HORSEPOWER
APPROX	APPROXIMATE	HP	HIGH PRESSURE
ARCH	ARCHITECTURAL	HPT	HIGH POINT
AS	AIR SEPARATOR	HTG	HEATING
ATM	ATMOSPHERE	HZ	HERTZ
ATMV	ATMOSPHERIC VENT	IN	INCHES
AWT	AVERAGE WATER TEMPERATURE	KW	KILOWATT
BDD	BACKDRAFT DAMPER	LAT	LEAVING AIR TEMPERATURE
BFWP	BOILER FEED WATER PUMP	LB	POUND
BFW	BOILER FEED WATER	LD	LINEAR DIFFUSER
BHP	BRAKE HORSEPOWER	LDBT	LEAVING DRY BULB TEMPERATURE
BLDG	BUILDING	LBMT	LEAVING WET BULB TEMPERATURE
BLMDN	BLOWDOWN	LWT	LEAVING WATER TEMPERATURE
BS	BLOWDOWN SEPARATOR	M	MOTORIZED DAMPER
BLR	BOILER	MAT	MIXED AIR TEMPERATURE
BLW	BELOW	MAX	MAXIMUM
BM	BEAM	MBTU	BRITISH THERMAL UNIT (1000)
BOT	BOTTOM	MCC	MOTOR CONTROL CENTER
BOD	BOTTOM OF DUCT	MECH	MECHANICAL
BSMT	BASEMENT	MEZZ	MEZZANINE
BTU	BRITISH THERMAL UNIT	MIN	MINIMUM
BTUH	BTU PER HOUR	MISC	MISCELLANEOUS
C	CONVERTER	NA	NOT APPLICABLE
C/C	CENTER TO CENTER	NC	NORMALLY CLOSED
CC	COOLING COIL	NO	NORMALLY OPEN
CF	CUBIC FEET	NTS	NOT TO SCALE
CFM	CUBIC FEET PER MINUTE	OA	OUTSIDE AIR
CFP	CHEMICAL FEED PUMP	OC	ON CENTER
CH	CHILLER	OD	OUTSIDE DIAMETER
CJ	CONSTRUCTION JOINT	OPNG	OPENING
CL	CENTER LINE	OPWT	OPERATING WEIGHT
CLG	CEILING	P	PUMP
CLR	CLEAR	PA	PIPE ANCHOR
CO	CLEANOUT	PCF	POUNDS PER CUBIC FOOT
COL	COLUMN	PEN	PENETRATION
CONC	CONCRETE	PERF	PERFORATOR
COND	CONDENSATE	PL	PLATE
CONDOR	CONDENSOR	PRV	PRESSURE REDUCING VALVE
CONN	CONNECTION	PSIA	POUNDS PER SQUARE INCH (ABSOLUTE)
CONT	CONTINUATION/CONTINUOUS	PSIG	POUNDS PER SQUARE INCH (GAUGE)
CONV	CONVECTOR	RA	RETURN AIR
COP	COEFFICIENT OF PERFORMANCE	RD	RETURN DIFFUSER
CP	CONTROL PANEL	RET	RETURN
CPF	CHEMICAL POT FEEDER	RF	RETURN FAN
CRP	CONDENSATE RETURN PUMP	RG	RETURN GRILLE
CT	COOLING TOWER	RH	RELATIVE HUMIDITY
CU FT	CUBIC FEET	RHC	REHEAT COIL
CU IN	CUBIC INCHES	RPM	REVOLUTIONS PER MINUTE
DB	DRY BULB	S	STEAM TRAP
DEG	DEGREE FAHRENHEIT	SA	SUPPLY AIR
DEMO	DEMOLITION	SD	SUPPLY DIFFUSER
DET	DETAIL	SF	SUPPLY FAN
DIA	DIAMETER	SG	SUPPLY GRILLE
DIM	DIMENSION	SP	STATIC PRESSURE
DLV	DOOR LOUVER	SQ FT	SQUARE FEET
DMPR	DAMPER	SRV	SAFETY RELIEF VALVE
DN	DOWN	SS	STEAM SEPARATOR
DR	DRAIN	SST	STAINLESS STEEL
DWG	DRAWING	ST	SOUND ATTENUATOR
EX	EXISTING	STL	STEEL
EA	EACH	STM	STEAM
EAT	ENTERING AIR TEMPERATURE	STRUCT	STRUCTURAL
EDBT	ENTERING DRY BULB TEMPERATURE	TEMP	TEMPERATURE
EF	EXHAUST FAN	TFA	TO FLOOR ABOVE
EFF	EFFICIENCY	TFB	TO FLOOR BELOW
EJ	EXPANSION JOINT	TG	TRANSFER GRILLE
ELEC	ELECTRICAL	THK	THICK
ELEV	ELEVATION	TNL	TUNNEL
ENT	ENTERING	TYP	TYPICAL
EQ	EQUAL	UFD	UNDERFLOOR DUCT
ET	EXPANSION TANK	UG	UNDERGROUND
EXH	EXHAUST	UON	UNLESS OTHERWISE NOTED
EXP	EXPANSION	VAV	VARIABLE AIR VOLUME
EXT	EXTERIOR	VB	VACUUM BREAKER
EMBT	ENTERING WET BULB TEMPERATURE	VD	VOLUME DAMPER
EWI	ENTERING WATER TEMPERATURE	VFD	VARIABLE FREQUENCY DRIVE
FA	FACE AREA	VIF	VERIFY IN FIELD
FCV	FLOW CONTROL VALVE	W/	WITH
FD	FIRE DAMPER	WB	WET BULB
FF	FINAL FILTER	WC	WATER COLUMN
FFA	FROM FLOOR ABOVE	WF	WATER FILTER
FFB	FROM FLOOR BELOW	WG	WATER GAUGE
FLA	FULL LOAD AMP	WMS	WIRE MESH SCREEN
FMD	FLOW MEASURING DEVICE	W/O	WITHOUT
FPM	FEET PER MINUTE	WT	WEIGHT
FSD	FIRE AND SMOKE DAMPER	WS	WATER SOFTENER
FSS	FLOW SENSING SWITCH		
FT	FEET		
FTR	FINNED TUBE RADIATION		

MECHANICAL SHEET METAL SYMBOLS

	EXISTING DUCTWORK TO REMAIN
	EXISTING DUCTWORK TO BE REMOVED
	NEW DUCTWORK
	HAND DAMPER IN DUCT
	HAND DAMPER IN CONCEALED DUCT W/ CONCEALED DAMPER ACTUATOR
	HUMIDIFIER IN DUCT
	FIRE DAMPER WITH HINGED ACCESS DOOR (B) DENOTES 'B' STYLE DAMPER
	SMOKE DAMPER WITH HINGED ACCESS DOOR
	COMBINATION FIRE/SMOKE DAMPER WITH HINGED ACCESS DOOR
	RECTANGULAR TO ROUND BRANCH CONNECTION FROM MAIN DUCT
	RECTANGULAR TO ROUND BRANCH CONNECTION FROM MAIN DUCT WITH HAND DAMPER IN ROUND SECTION
	RECTANGULAR TO ROUND TRANSITION
	RECTANGULAR TO ROUND TRANSITION WITH HAND DAMPER
	CEILING SUPPLY OUTLET. (A) DENOTES DIFFUSER TYPE. (300) DENOTES CFM. SEE SCHEDULE FOR SIZE. ARROWS INDICATE DIRECTION OF THROW. NO ARROWS INDICATE 4-WAY THROW.
	CEILING SUPPLY OUTLET WITH FLEXIBLE DUCT CONNECTION. (A) DENOTES DIFFUSER TYPE. (300) DENOTES CFM. SEE SCHEDULE FOR FACE SIZE AND FLEXIBLE DUCT (NECK) SIZE. ARROWS INDICATE DIRECTION OF THROW. NO ARROWS INDICATE 4-WAY THROW.
	CEILING RETURN OR EXHAUST GRILLE. (A) DENOTES GRILLE TYPE. (300) DENOTES CFM. SEE SCHEDULE FOR SIZE.
	WALL SUPPLY GRILLE. (A) DENOTES GRILLE TYPE. (600) DENOTES CFM. SEE SCHEDULE FOR SIZE.
	WALL RETURN OR EXHAUST GRILLE. (A) DENOTES GRILLE TYPE. (600) DENOTES CFM. SEE SCHEDULE FOR SIZE.
	VARIABLE AIR VOLUME BOX
	VARIABLE AIR VOLUME BOX WITH REHEAT COIL
	RECTANGULAR DUCT TRANSITION IN SINGLE LINE DUCTWORK
	RECTANGULAR TO ROUND TRANSITION IN SINGLE LINE DUCTWORK
	CEILING RETURN GRILLE WITH LINED BOOT ABOVE FINISH CEILING - FREE AREA OF BOOT = 2/3 OF GRILLE FACE. (A) DENOTES GRILLE TYPE. (300) DENOTES CFM. SEE DIFFUSER SCHEDULE FOR SIZE.
	LINED RETURN AIR BOOT WITH TURNING VANES ABOVE CEILING - SIZE OF BOOT IS INDICATED ON DRAWINGS

MECHANICAL PIPING SYMBOLS

	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED
	NEW PIPING
	HWS HOT WATER SUPPLY
	HWR HOT WATER RETURN
	LPS STEAM SUPPLY (LOW PRESSURE)
	LPR STEAM RETURN (LOW PRESSURE)
	MPS STEAM SUPPLY (MEDIUM PRESSURE)
	MPR STEAM RETURN (MEDIUM PRESSURE)
	HPS STEAM SUPPLY (HIGH PRESSURE)
	HPR STEAM RETURN (HIGH PRESSURE)
	SV STEAM RELIEF VENT
	CWS CHILLED WATER SUPPLY
	CWR CHILLED WATER RETURN
	CHS CHILLED/HOT WATER SUPPLY
	CHR CHILLED/HOT WATER RETURN
	SWS SECONDARY WATER SUPPLY
	SWR SECONDARY WATER RETURN
	TS COOLING TOWER SUPPLY
	TR COOLING TOWER RETURN
	RS REFRIGERANT SUCTION PIPING
	RL REFRIGERANT LIQUID PIPING
	HG HOT GAS PIPING
	GS GLYCOL SUPPLY PIPING
	GR GLYCOL RETURN PIPING
	PD PUMP DISCHARGE
	CD CONDENSATE DRAIN PIPING
	CDS CONDENSER WATER SUPPLY
	COR CONDENSER WATER RETURN
	SMS SNOW MELTING SYSTEM SUPPLY
	SMR SNOW MELTING SYSTEM RETURN
	T THERMOSTAT
	H HUMIDISTAT
	CONNECTION - NEW TO EXISTING
	FLOAT AND THERMOSTATIC TRAP
	SHUT-OFF VALVE
	BALANCING VALVE
	GLOBE VALVE
	CHECK VALVE (SWING OR CUSHION)
	CONTROL VALVE
	LUBRICATED PLUG COCK
	SOLENOID VALVE
	PRESSURE RELIEF VALVE
	PRESSURE REDUCING VALVE
	WYE STRAINER
	UNION
	PIPE ANCHOR
	FLOW ELEMENTS
	DIRECTION OF FLOW IN PIPES
	DIRECTION OF PITCH IN PIPES
	RISE AND DROP IN PIPING
	BRANCH PIPING CONNECTION (TOP OF PIPE)
	BRANCH PIPING CONNECTION (BOTTOM OF PIPE)
	WELDED ELBOW
	EXPANSION JOINT

PLUMBING SYMBOLS

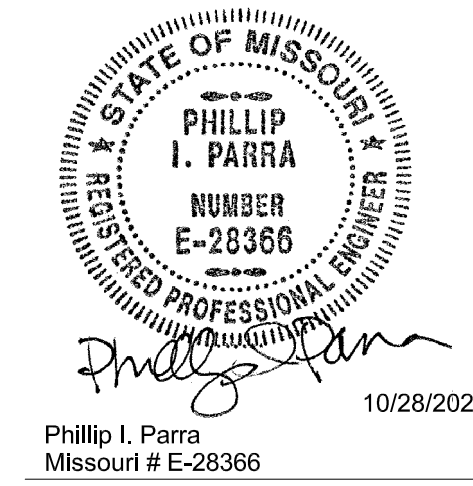
	C COLD WATER PIPING
	H HOT WATER PIPING
	HC HOT WATER CIRCULATING PIPING
	V VENT PIPING
	W WASTE PIPING
	SW SAFE WASTE PIPING
	DS DOWNSPOUT PIPING
	EDS EMERGENCY DOWNSPOUT PIPING
	G GAS PIPING
	FOS FUEL OIL SUPPLY PIPING
	FOR FUEL OIL RETURN PIPING
	A ACID WASTE PIPING
	A ACID VENT PIPING
	DI DEIONIZED WATER PIPING
	SC SOFT COLD WATER PIPING
	RO REVERSE OSMOSIS WATER PIPING
	ETO ETHYLENE OXIDE PIPING
	PD PUMP DISCHARGE
	TW TEMPERED WATER PIPING
	DW DRINKING WATER PIPING
	CA COMPRESSED AIR PIPING
	CA COMPRESSED AIR OUTLET
	CO CLEANOUT
	FCO FLUSH CLEANOUT
	RD ROOF DRAIN
	ERD EMERGENCY ROOF DRAIN
	FD FLOOR DRAIN
	FFD FLOOR DRAIN WITH FUNNEL
	SFD SAFE WASTE FLOOR DRAIN
	HB HOSE BIBB
	WH WALL HYDRANT
	J L VTR VENT THRU ROOF
	SHUT-OFF VALVE
	BALANCING VALVE
	GLOBE VALVE
	CHECK VALVE (SWING OR CUSHION)
	CONTROL VALVE
	LUBRICATED PLUG COCK
	SOLENOID VALVE
	PRESSURE RELIEF VALVE
	PRESSURE REDUCING VALVE
	WYE STRAINER
	UNION
	PIPE ANCHOR
	FLOW ELEMENTS
	DIRECTION OF FLOW IN PIPES
	DIRECTION OF PITCH IN PIPES
	RISE AND DROP IN PIPING
	BRANCH PIPING CONNECTION (TOP OF PIPE)
	BRANCH PIPING CONNECTION (BOTTOM OF PIPE)
	WELDED ELBOW
	EXPANSION JOINT

TEMPERATURE CONTROLS SYMBOLS

	PNEUMATIC PIPING
	ELECTRIC WIRING
	PARALLEL BLADE DAMPER
	OPPOSED BLADE DAMPER
	HUMIDIFIER
	AVERAGE SENSING ELEMENT
	AIR FLOW PROBE
	DAMPER ACTUATOR
	3-1/2" DIAL THERMOMETER
	ROOM THERMOSTAT
	MOTOR STARTER
	WARM UP
	DIFFERENTIAL PRESSURE SWITCH
	END SWITCH
	HIGH LIMIT SWITCH
	HUMIDITY SENSOR
	HEAT EXCHANGER
	SMOKE DETECTOR
	STATIC PRESSURE SENSOR
	TEMPERATURE SENSOR
	VARIABLE FREQUENCY DRIVE
	VELOCITY SENSOR
	LOCATED IN CONTROL CABINET
	LOCATED ON CONTROL CABINET DOOR
	ANALOG INPUT
	ANALOG OUTPUT
	COMMON
	DIRECT ACTING
	DIRECT DIGITAL CONTROL
	DIGITAL INPUT
	DIGITAL OUTPUT
	NORMALLY CLOSED
	NORMALLY OPEN
	PROOF OF FLOW
	REVERSE ACTING
	START/STOP
	CURRENT RELAY

GENERAL MECHANICAL NOTES

- THE LOCATION OF ALL STRUCTURAL OPENINGS SHALL BE AS INDICATED ON THE MECHANICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS. COORDINATE EXACT SIZES OF OPENINGS REQUIRED.
- ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- ALL DUCTWORK SHALL BE CONSTRUCTED, ERECTED AND TESTED IN ACCORDANCE WITH THE MOST RESTRICTIVE OF LOCAL REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF FUNDAMENTALS, OR THE APPLICABLE STANDARDS ADOPTED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.
- DUCT AND PLENUM SIZES INDICATED ON THE DRAWINGS ARE SHEET METAL DIMENSIONS.
- CONTRACTOR SHALL FIELD VERIFY CLEARANCE ABOVE THE CEILING AND NOTIFY THE ENGINEER ABOUT POSSIBLE CONFLICTS.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND SPACE CONDITIONS AT ALL TIMES.
- IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE ALL WORK WITH ALL OTHER TRADES. THE SHOP DRAWINGS PREPARED BY THIS CONTRACTOR SHALL INDICATE SPACE ALLOWANCES FOR ALL WORK OF ALL OTHER TRADES AND SHALL BE SIGNED OFF BY ALL OTHER CONTRACTORS.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE REQUIREMENTS AND PROVIDE ALL REQUIRED CONTROLLED INSPECTIONS



Architecture

Interior Design

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Sustainability

2801 Woodard Drive, Suite 103
Columbia, MO 65202
573.443.1407

www.soa-inc.com

Missouri Certificate of Authority Number: 000826

STRUCTURAL ENGINEER:
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3312 Lemone Industrial Boulevard
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SHEET 8 OF 14

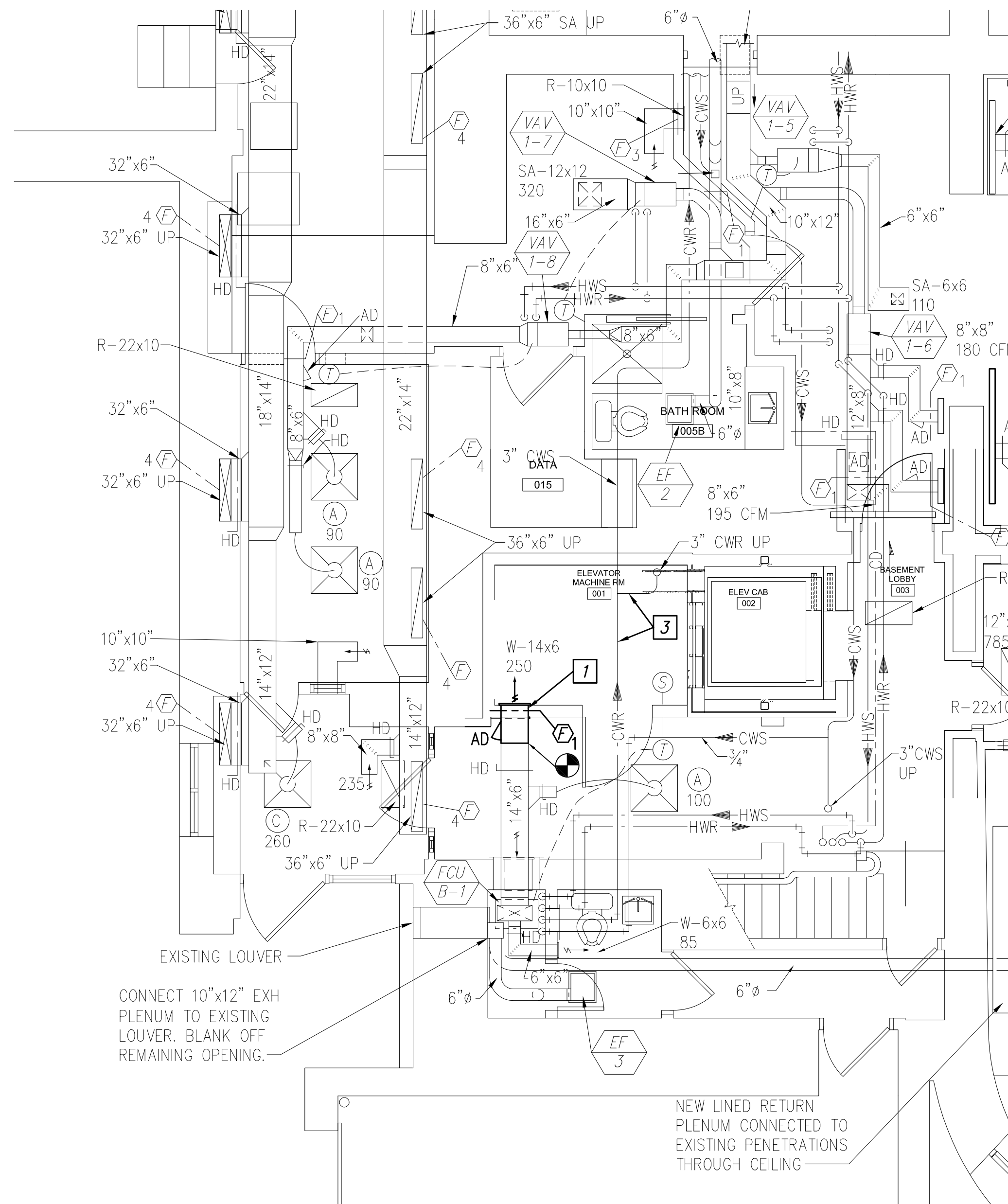
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GENERAL NOTES:

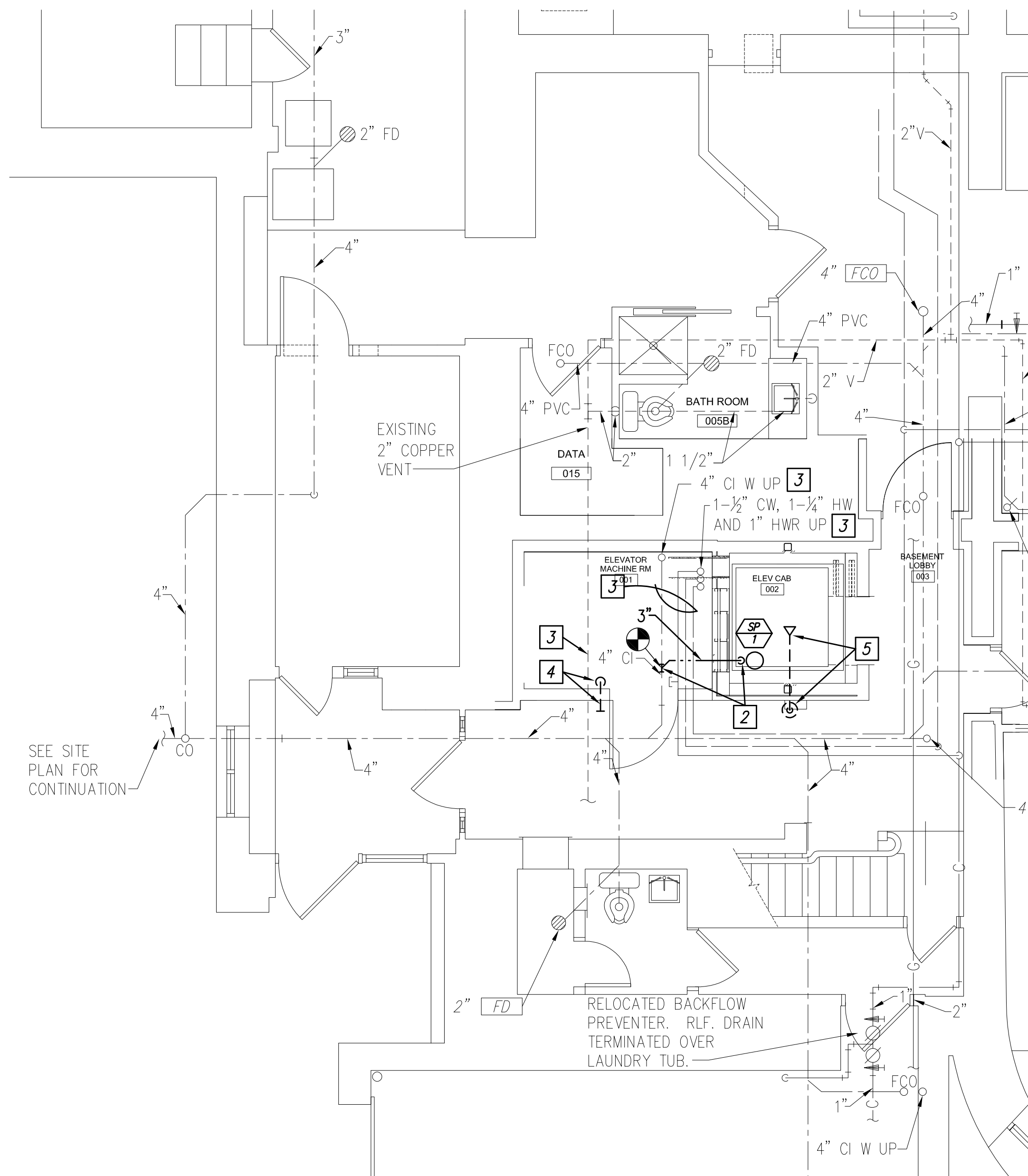
1. THIS IS A HISTORIC BUILDING AND ALL DUCTWORK, PIPING & WIRING SHALL BE RUN CONCEALED FROM VIEW & ALL ROUTING SHALL BE APPROVED BY ARCHITECT BEFORE INSTALLATION. COORDINATE WHERE EXISTING FINISH MATERIALS NEED TO BE REMOVED FOR INSTALLATION AND PATCH TO MATCH EXISTING.

KEYED NOTES:

- 1 DISCONNECT & REMOVE SECTION OF EXISTING SUPPLY DUCT AS REQUIRED TO INSTALL GRILL ACCESS HAND DAMPER. CLEAN AND SALVAGE SUPPLY GRILLE FOR REINSTALLATION.
- 2 3"PD DOWN TO SUMP PUMP IN PIT. ROUTE PIPING BELOW SLAB AND CONNECT TO EXISTING 4" C.I. WASTE MAIN.
- 3 EXISTING PIPING AND ASSOCIATED DRIP PANS BELOW TO REMAIN.
- 4 DISCONNECT & REMOVE EXISTING 3/4" COLD WATER LINE & ASSOCIATED SUPPORTS. CAP AT MAIN IN THE CORRIDOR.
- 5 DISCONNECT & REMOVE EXISTING DRY CHEMICAL FIRE EXTINGUISHING SYSTEM LOCATED IN 3RD FLOOR UTILITY ROOM INCLUDING CYLINDER, HEADS, PIPING, CONTROL PANEL & INITIATING DEVICES PATCH SHAFT PENETRATIONS.



2 BASEMENT MECHANICAL PLAN

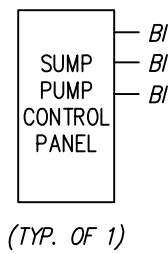


1 BASEMENT PLUMBING PLAN

SUMP PUMP SCHEDULE													
MARK	AREA SERVED	MANUFACTURER	MODEL	GPM	PUMP HEAD (FT.)	PUMP MOTOR DATA				MOTOR CONTROL DATA			REMARKS
						MIN HP	RPM	VOLTS	PHASE	STARTER/DISC. SWITCH	LOCAL CONTROL DEVICES @ STARTER	MISC. CONTROL & DEVICES	
SP-1	ELEVATOR SHAFT	ZOELLER	N152	50	16	0.4	3450	120 V	1	---	---	PROVIDE WITH ALARM PANEL AND 8245 LEVEL CONTROL FLOAT.	PROVIDE WITH 24"x24"x36" DEEP CONCRETE PIT IN ELEVATOR SHAFT. PROVIDE WITH 300 PSF RATED SQUARE FIBERGLASS GRATE FOR LID. SYSTEM TO INCLUDE CHECK VALVE AT PUMP DISCHARGE, GATE VALVE AND UNION FOR SERVICING.

- NOTES:
- PUMP SHALL BE PROVIDED W/OIL SENSOR TO DISABLE PUMP IF HYDRAULIC FLUID IS DETECTED AND SHALL ALARM AT BUILDING MANAGEMENT SYSTEM.
 - ALARM PANEL TO BE NEMA 4X RATED, WITH INDICATOR LIGHT AND AUDIBLE LOCAL ALARM, AUXILIARY DRY CONTACT.

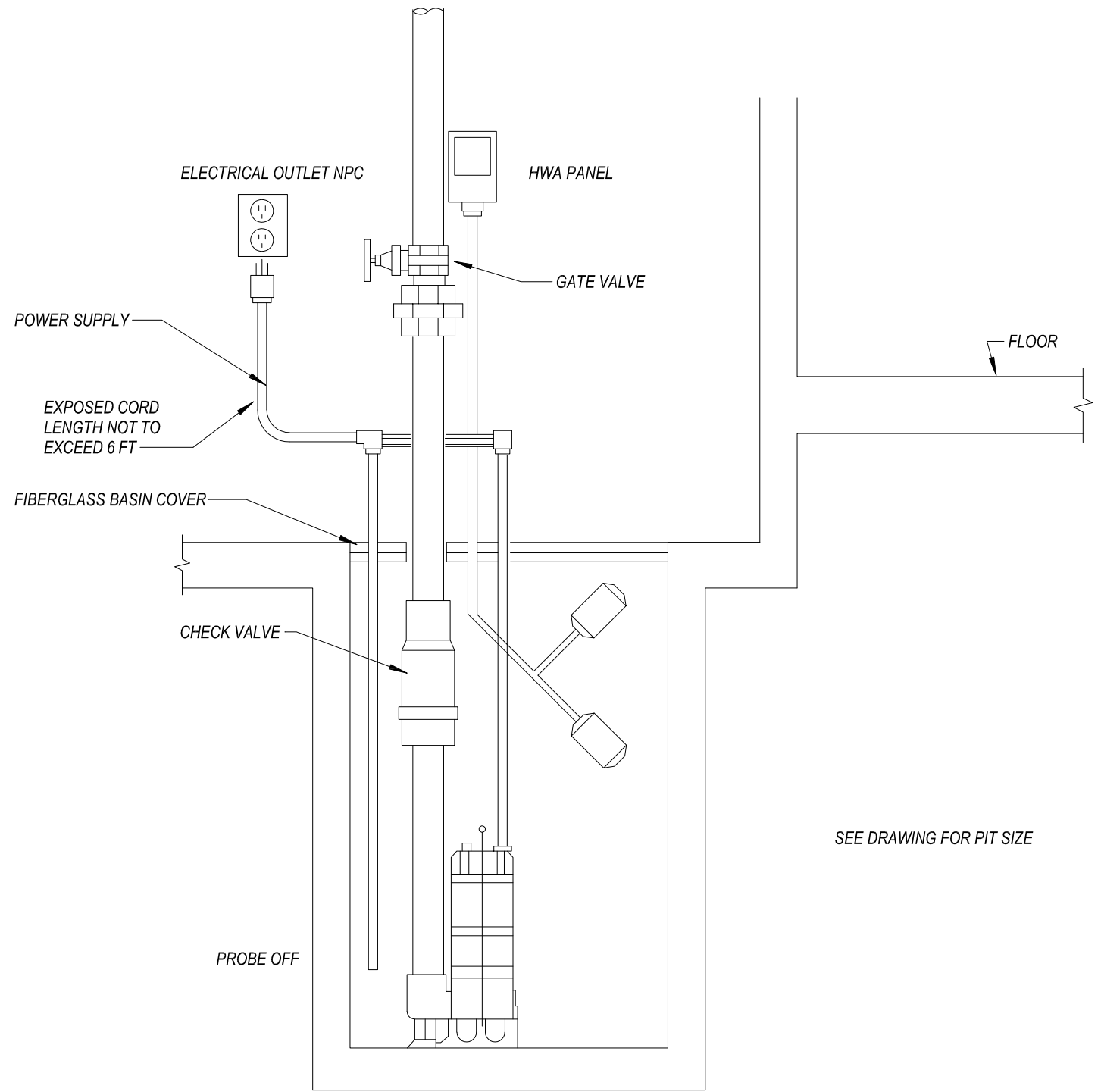
FIRE AND SMOKE DAMPER SCHEDULE					
PLAN MARK	TYPE	MANUFACTURER	MODEL	OPERATOR	NOTES
F-1	GRILLE ACCESS FD	RUSKIN	DIB02GA	165' FUSIBLE LINK	



SUMP PUMP MONITORING

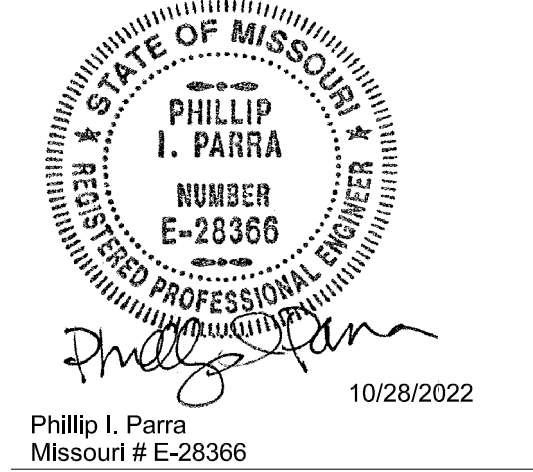
BMS shall monitor high water alarm and pump status for the sump pump. Connect to FCU B-1 or other nearest controller with spare inputs.

SUMP PUMPS POINTS LIST								
SYSTEM	HARDWARE POINTS				SOFTWARE			SHOW ON GRAPHIC
	AI	AO	BI	BO	SCHEDULE	TREND	ALARM	
POINT NAME								
SUMP PUMP STATUS			X				X	X
SUMP OIL DETECTION ALARM			X				X	X
SUMP HIGH WATER ALARM STATUS			X				X	X



1 DETAIL OF ELEVATOR SUMP PUMP Scale: N.T.S.

STATE OF MISSOURI
MIKE PARSON,
GOVERNOR



Architecture
Interior Design
Planning
Sustainability
2801 Woodard Drive, Suite 103
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SCHEDULES &
DETAILS

SHEET NUMBER:

PME600
SHEET 9 OF 14
ISSUE DATE: 10/28/2022

ELECTRICAL SYMBOLS LIST

(ALL MAY NOT APPLY)

POWER SYMBOLS

	HOMERUN TO SOURCE AS NOTED
	CONDUIT IN WALL OR CEILING CONSTRUCTION WITH ONE PHASE WIRE, ONE NEUTRAL WIRE AND ONE GROUND WIRE
	CONDUIT IN FLOOR OR BELOW GRADE CONSTRUCTION WITH ONE PHASE WIRE, ONE NEUTRAL WIRE AND ONE GROUND WIRE
	CONDUIT WITH WIRING (TWO PHASE WIRES, NEUTRAL AND GROUND WIRE)
	CONDUIT WITH #10 WIRE THROUGHOUT ENTIRE CIRCUIT
	PARTIAL CIRCUIT, HOMERUN TO SOURCE AS NOTED
	LOW VOLTAGE WIRING
	EXISTING CONDUIT WITH NEW WIRE
	PANELBOARD (DOUBLE LINE INDICATES FRONT OF PANELBOARD)
	MOTOR STARTER
	DISCONNECTING SWITCH
	COMB. MOTOR STARTER AND DISC. SWITCH
NF	NF DENOTES NON-FUSED
	MOTOR CONNECTION
	TRANSFORMER
	DUPLEX CONVENIENCE RECEPTACLE
	HEAVY DUTY OUTLET – WITH NEMA CONFIGURATION
	GROUND FAULT CIRCUIT INTERRUPTER
	CONVENIENCE RECEPTACLE – MOUNTED HORIZONTALLY
	NUMBER INDICATES MOUNTING HEIGHT OF DEVICE (CENTER LINE ABOVE FLOOR) IF OTHER THAN SPECIFIED HEIGHT
J	JUNCTION BOX
	WALL MOUNTED JUNCTION BOX
	JUNCTION BOX MOUNTED OVER CEILING
	ELECTRIC THERMOSTAT – WALL MOUNTED
J	BUSHING AT END OF CONDUIT
CM	INDICATES DEVICE THAT SHALL BE MOUNTED ABOVE OR BELOW ARCHITECTURAL CASEWORK. CONTRACTOR SHALL REFER TO ARCHITECTURAL DETAILS AND ELEVATIONS AND COORDINATE EXACT LOCATION OF DEVICE. WHERE DEVICES ARE NOT SHOWN IN ARCHITECTURAL DETAILS, CONTRACTOR SHALL CONFIRM EXACT MOUNTING LOCATION WITH ARCHITECT.
EM	INDICATES LIGHT OR DEVICE CONNECTED TO EMERGENCY POWER OR FURNISHED WITH A BATTERY PACK CONNECTED TO A NON-SWITCHED HOT WIRE
EX	EXISTING DEVICE, LIGHT, OR CONDUIT & WIRE TO REMAIN
N	NEW DEVICE IN EXISTING OUTLET BOX
NL	INDICATES NIGHT LIGHT FIXTURE CONNECTED TO A NON-SWITCHED HOT WIRE
R	EXISTING DEVICE, LIGHT, OR CONDUIT & WIRE TO BE REMOVED
RB	EXISTING DEVICE OR LIGHT TO BE REMOVED WITH BLANK COVER ON OUTLET BOX
RL	EXISTING DEVICE OR LIGHT RELOCATED
RN	EXISTING DEVICE OR LIGHT TO BE REMOVED AND OUTLET BOX REUSED FOR NEW DEVICE OR LIGHT
RT	RAINTIGHT DEVICE – NEMA 3R
TP	TAMPER-PROOF DEVICE
WP	WEATHER-PROOF DEVICE
VUH	VERTICAL UNIT HEATER. REFER TO DETAIL FOR ALL WIRING REQUIRED. REFER TO FLOOR PLANS FOR LOCATIONS.

FIRE ALARM SYMBOLS

	SMOKE DETECTOR
	SMOKE DETECTOR – ELEVATOR LOBBY
	HEAT DETECTOR
	DOOR HOLDER – WALL MOUNTED
	VISUAL/AUDIBLE ALARM – NUMBER INDICATES CANDELA OUTPUT, LACK OF NUMBER INDICATES 15/75 CANDELA OUTPUT
	VISUAL ALARM – NUMBER INDICATES CANDELA OUTPUT, LACK OF NUMBER INDICATES 15/75 CANDELA OUTPUT
	FIRE ALARM CONTROL PANEL (DOUBLE LINE INDICATES FRONT OF PANEL)
	FIRE ALARM ANNUNCIATOR (DOUBLE LINE INDICATES FRONT OF PANEL)
	ADDRESSABLE INTERFACE MODULE
	ADDRESSABLE INTERFACE MODULE WITH RELAY

LIGHTING SYMBOLS

	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE
	WALL MOUNTED FLUORESCENT LIGHT FIXTURE
	SINGLE POLE SWITCH

COMMUNICATION SYMBOLS

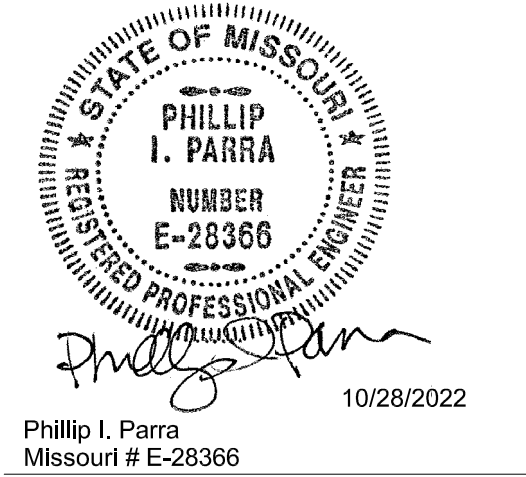
	TELEPHONE OUTLET WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE
	DATA OUTLET WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE
	TELEPHONE/DATA OUTLET WITH 3/4" CONDUIT INTO ACCESSIBLE CEILING SPACE
	WALL MOUNTED TELEPHONE OUTLET – NUMBER INDICATES HEIGHT ABOVE FINISHED FLOOR
	TELEVISION OUTLET

GENERAL NOTES

(THESE NOTES APPLY TO ALL ELECTRICAL SHEETS)

- A MAXIMUM OF SIX(6) CURRENT – CARRYING WIRES SHALL BE INSTALLED IN ANY ONE(1) CONDUIT. ALL BRANCH CIRCUITS EXCEPT MOTOR CIRCUITS SHALL BE INSTALLED WITH A DEDICATED NEUTRAL WIRE.
- COORDINATE ALL WORK WITH OTHER TRADES. OFFSET PANELS, LIGHTS, RECEPTACLES AND CONDUIT AS REQUIRED. APPROVAL MUST BE OBTAINED FROM ARCHITECT PRIOR TO OFFSETTING ANY DEVICE OR EQUIPMENT.
- CONTRACTOR SHALL COORDINATE ALL SHUT DOWNS WITH OWNER. NO SHUT DOWNS SHALL BE PERFORMED WITHOUT RECEIVING PRIOR APPROVAL FROM OWNER.
- NO CONDUIT OR DEVICES IN FINISHED AREAS SHALL BE SURFACE MOUNTED. CONTRACTOR SHALL RECESS OR CONCEAL CONDUITS AND DEVICES AS REQUIRED. WHERE WALL TRENCHING IS REQUIRED, SAME SHALL BE APPROVED BY ARCHITECT.
- CONTRACTOR SHALL GAIN APPROVAL FROM ARCHITECT PRIOR TO INSTALLING ANY SURFACE MOUNTED DEVICES.
- CONTRACTOR SHALL RE-LABEL AND UPDATE SCHEDULES IN ALL EXISTING TO REMAIN PANELBOARDS AT THE COMPLETION OF THE PROJECT. PROVIDE NEW TYPED DIRECTORIES FOR EXISTING PANELBOARDS TO REFLECT ALL WORK DONE AS PART OF THIS PROJECT.
- ALL EXISTING CONDUIT AND WIRING BEING CONNECTED TO NEW WORK THAT IS NOT IN COMPLIANCE WITH THE NEC SHALL BE CORRECTED AS REQUIRED.
- AFTER COMPLETION OF NEW WORK REMOVE ALL TEMPORARY EQUIPMENT, CONDUIT, AND WIRING NOT REQUIRED TO REMAIN.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK.
- ALL EXISTING ITEMS REMOVED DURING DEMOLITION SHALL BE TURNED OVER TO OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING THE ITEMS TO A STORAGE LOCATION AS DETERMINED BY THE OWNER. ANY ITEMS THAT ARE NOT TO BE KEPT BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR. COORDINATE AS REQUIRED.
- ALL CONDUITS SHALL BE HELD AS HIGH AND AS TIGHT AS POSSIBLE TO THE STRUCTURE SUPPORTING THE FLOOR ABOVE AREA WHERE INSTALLATION OCCURS. COORDINATE WITH OTHER TRADES AS REQUIRED.
- COORDINATE THE ROUTING OF ALL CONDUITS WITH OTHER TRADES. MAKE OFFSETS AS REQUIRED. FURNISH AND INSTALL JUNCTION AND PULL BOXES AS REQUIRED. ROUTING SHOWN ON PLANS IS DIAGRAMMATIC.
- CONTRACTOR SHALL REROUTE, RELOCATE, OR REMOVE ANY CONDUIT, FIXTURES, OR OTHER EXISTING ELECTRICAL DEVICES AS REQUIRED FOR NEW WORK. MAINTAIN AND RESTORE POWER TO ALL EXISTING DEVICES BEING SERVED IN UNDISTURBED AREAS, AND DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN.
- ALL CIRCUITS FROM EXISTING-TO-REMAIN PANELBOARDS THAT HAVE THEIR ENTIRE LOAD REMOVED AND ARE NOT REQUIRED TO BE REUSED TO SERVE NEW LOADS, AS SHOWN ON NEW WORK DRAWINGS, SHALL HAVE THEIR CONDUIT AND WIRE REMOVED BACK TO THEIR PANELBOARD AND THEIR ASSOCIATED BREAKER SHALL BE LABELED AS A SPARE. CONDUIT THAT IS LOCATED IN THE FLOOR SLAB OR ABOVE INACCESSIBLE CEILING SHALL BE ABANDONED IN PLACE; HOWEVER, ALL CONDUCTORS SHALL BE REMOVED.
- DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL DEVICES, LIGHT FIXTURES, ELECTRICAL EQUIPMENT SHOWN DARK AND DASHED ON THE DEMOLITION PLANS. DEVICES SHOWN LIGHT ARE EXISTING TO REMAIN.
- THE CONTRACTOR SHALL VERIFY THE OPERATION OF ALL DEVICES THAT ARE EXISTING TO REMAIN. ALL NON-OPERATIONAL DEVICES SHALL BE CORRECTED OR REPLACED AS REQUIRED. REPLACE ALL DAMAGED AND MISSING COVERPLATES IN AREAS OF NEW WORK AS REQUIRED.
- ALL CONDUIT, WIRING, DEVICES AND EQUIPMENT TO BE REMOVED MAY NOT BE SHOWN. HOWEVER, ALL ITEMS NOT REQUIRED TO REMAIN SHALL BE REMOVED.
- THE CONTRACTOR SHALL MATCH THE RATINGS AND CHARACTERISTICS OF ALL NEW CIRCUIT BREAKERS BEING FURNISHED TO THAT OF THE EXISTING BREAKERS IN EXISTING PANELBOARDS UNLESS NOTED OTHERWISE.
- MC CABLE WILL BE ALLOWED FOR ALL INTERIOR POWER WIRING INSTALLED CONCEALED OR ABOVE 7'-6". SAME SHALL BE RAN IN A NEAT MANNER AND SUPPORTED PROPERLY.
- ALL NEW CONVENIENCE RECEPTACLES SHALL BE OF THE TAMPER RESISTANT TYPE.

STATE OF MISSOURI
MIKE PARSON,
GOVERNOR



Architecture

Interior Design

Planning

Sustainability

2801 Woodard Drive, Suite 103
Columbia, MO 65202
573.443.1407

www.soa-inc.com

Missouri Certificate of Authority Number: 000826

STRUCTURAL ENGINEER:
Allstate Consultants LLC
3312 Lemone Industrial Boulevard
Columbia, MO 65201
(573) 875-8799

MEP ENGINEER:
IMEG Corp.
1600 Baltimore, Suite 300
Kansas City, MO, 64108
(816) 842-8437

ELEVATOR CONSULTANT:
ATTIS Elevator Consulting
211 3rd Street
Valley Park, MO, 63088
(314) 668-7396

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MANSION ELEVATOR
REPLACEMENT

GOVERNOR'S MANSION

Jefferson City, Missouri

PROJECT # O2036-01

SITE # 0001

FACILITY # 0505

BID DOCUMENTS

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SHEET TITLE:

ELECTRICAL
SYMBOLS AND
GENERAL
NOTES

SHEET NUMBER:

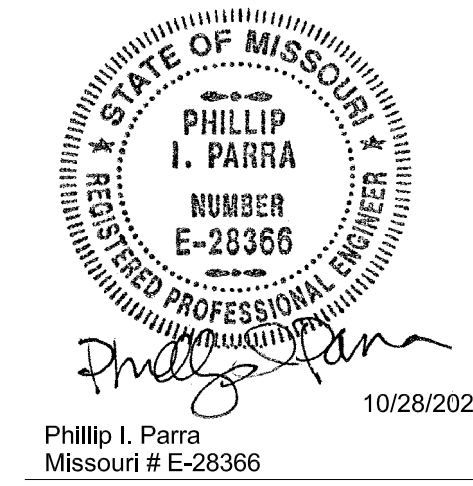
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SHEET 10 OF 14

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ELECTRICAL SYMBOLS LIST AND GENERAL NOTES

SCHEDULE OF LIGHTING FIXTURES						
TYPE	APPROVED MANUFACTURER AND MODEL	DESCRIPTION	LED/ SOURCE	BALLAST/ DRIVER	MOUNTING	VOLTAGE
A	WILLIAMS-96 SERIES LED	4FT. LED FULLY ENCLOSED AND GASKETED LIGHT FIXTURE WITH ROUND FROSTED RIBBED IMPACT RESISTANT ACRYLIC LENS AND FIBERGLASS HOUSING.	INTEGRAL 3500 K CCT, 6500 LUMENS DELIVERED, MIN. 80 CRI	INTEGRAL DRIVER	SURFACE	120-277 V



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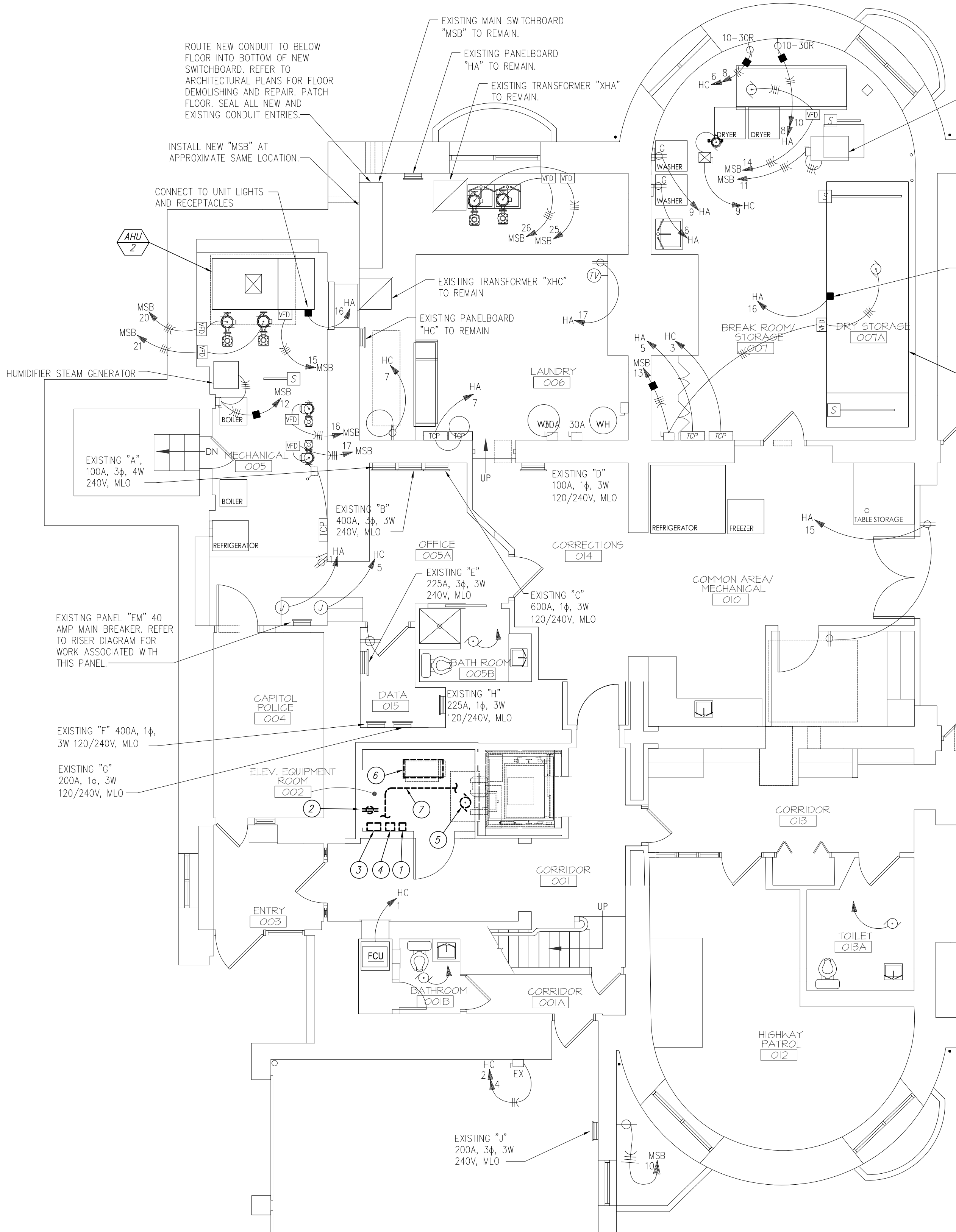
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PLANS

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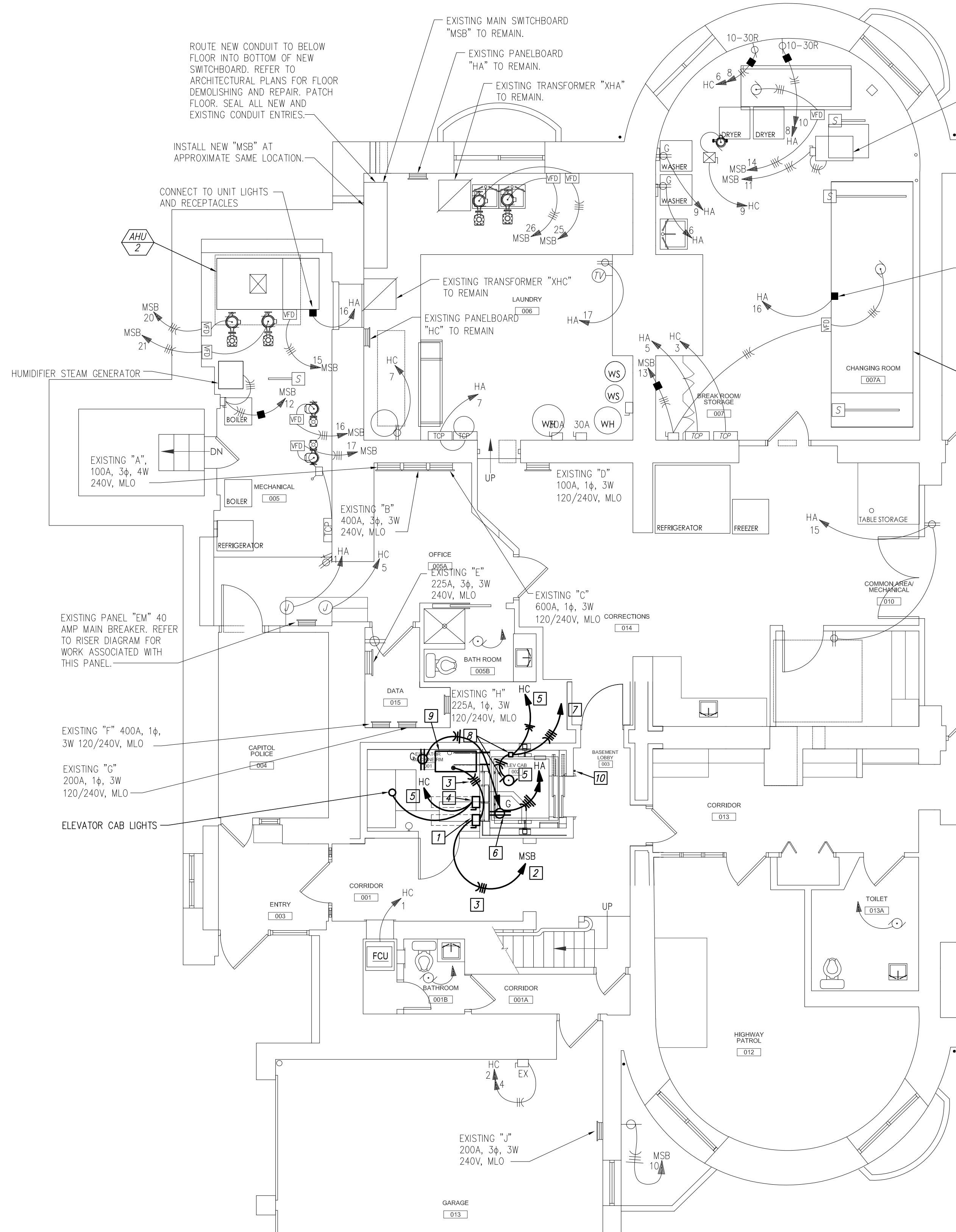
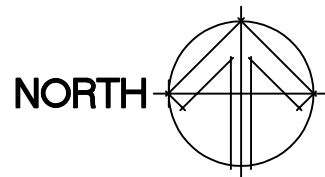
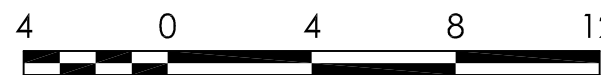
SHEET 11 OF 14

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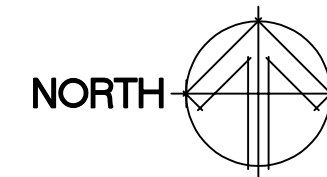
1 BASEMENT ELECTRICAL DEMO PLAN

Scale: 3/16" = 1'-0"



2 BASEMENT ELECTRICAL PLAN

Scale: 3/16" = 1'-0"



GENERAL NOTES:

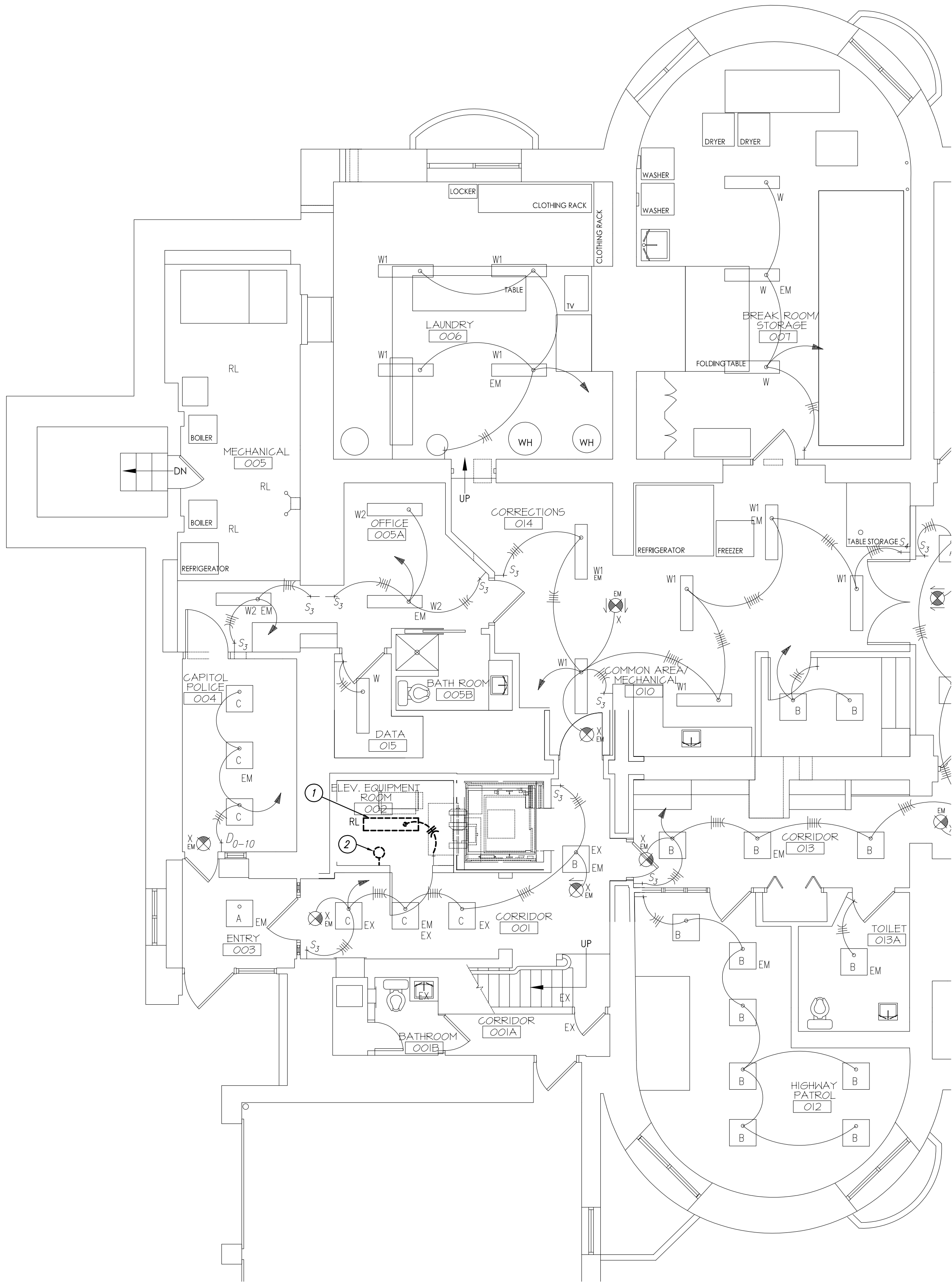
- WHERE ANY NEW CONNECTION IS MADE TO AN EXISTING CIRCUIT, THE FOLLOWING SHALL OCCUR. THE ELECTRICAL CONTRACTOR SHALL TAKE AND RECORD THE LOAD ON THE EXISTING CIRCUIT PRIOR TO MAKING ANY NEW CONNECTION. NEW LOAD SHALL ONLY BE CONNECTED ONCE IT IS DETERMINED THAT NEW LOAD WILL NOT OVERLOAD EXISTING CIRCUIT.
- WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. WORK SHOWN DARK IS NEW TO BE FURNISHED AND INSTALLED BY CONTRACTOR.

DEMO KEYED NOTES:

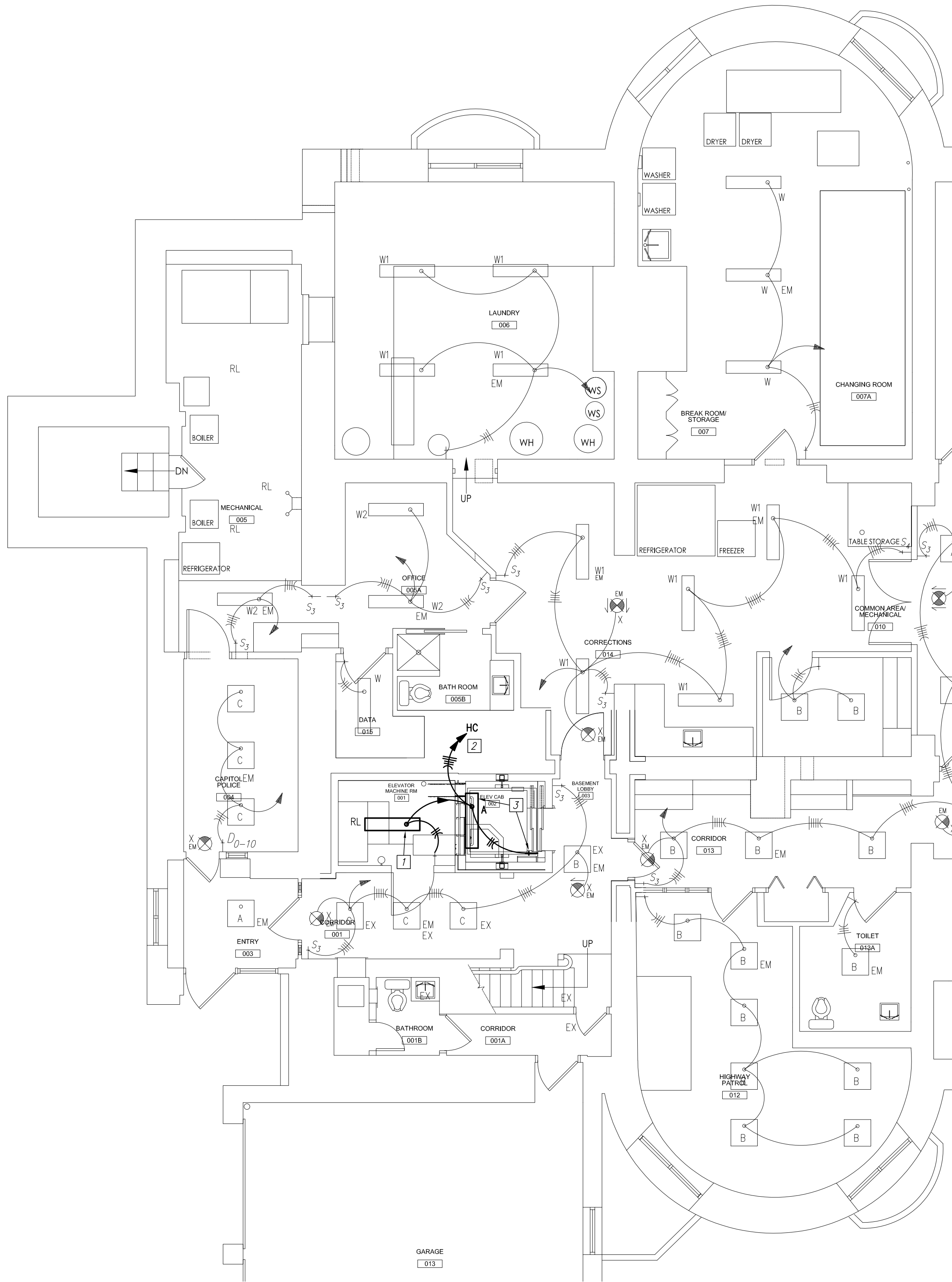
- DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRE.
- DISCONNECT AND REMOVE EXISTING CONVENIENCE RECEPTACLE AND ALL ASSOCIATED CONDUIT AND WIRE NOT REQUIRED TO REMAIN.
- DISCONNECT AND REMOVE ABANDONED TELEPHONE BOX. REMOVE ALL ASSOCIATED CABLING NOT REQUIRED TO REMAIN. FIELD VERIFY CABLING TO BE REMOVED WITH OWNER.
- DISCONNECT AND REMOVE EXISTING ELEVATOR DISCONNECT AND ALL ASSOCIATED CONDUIT AND WIRE NOT REQUIRED TO REMAIN.
- DISCONNECT AND REMOVE EXISTING ELEVATOR MOTOR AND ALL ASSOCIATED CONDUIT AND WIRE NOT REQUIRED TO REMAIN.
- DISCONNECT AND REMOVE EXISTING ELEVATOR CONTROLLER AND ALL ASSOCIATED CONDUIT AND WIRE NOT REQUIRED TO REMAIN.
- DISCONNECT AND REMOVE ABANDONED TELEPHONE WIRING FROM EXISTING WIRINGWAY NOT REQUIRED TO REMAIN. FIELD VERIFY CABLING TO BE REMOVED WITH OWNER.

KEYED NOTES:

- LOCKABLE 200 AMP, 3-POLE FUSIBLE DISCONNECT SWITCH FOR CONNECTION TO ELEVATOR CONTROLLER. FUSE AT 125 AMPS.
- EXTEND AND CONNECT TO NEW 125 AMP, 3-POLE SHUNT TRIP BREAKER IN "MSB".
- 2 - 1 W, 1 - #6 GND IN 1 1/2" C.
- LOCKABLE 30 AMP, 1-POLE FUSIBLE DISCONNECT SWITCH.
- FURNISH AND INSTALL 20 AMP, 1-POLE CIRCUIT BREAKER FOR EACH NEW CIRCUIT. MOUNT CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL. NEW CIRCUIT BREAKER SHALL MATCH CHARACTERISTICS OF EXISTING CIRCUIT BREAKERS.
- COORDINATE MOUNTING LOCATION SO THAT SAME DOES NOT INTERFERE WITH TRAVEL OF ELEVATOR.
- FURNISH AND INSTALL CONDUIT AND WIRING FOR LOW VOLTAGE CABLING CONNECTION OF SUMP PIT ALARMS WITH BUILDING MANAGEMENT SYSTEM. COORDINATE CONDUIT SIZE AND LOCATION WITH BMS INSTALLER. REFERENCE MECHANICAL DRAWINGS FOR MORE INFORMATION.
- FURNISH AND INSTALL POWER TO SUMP PUMP AND CONTROL PANEL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS. COORDINATE MOUNTING LOCATION WITH ELEVATOR TRAVEL.
- FURNISH AND INSTALL PHONE LINE CONNECTION TO ELEVATOR CONTROLLER. COORDINATE CONNECTION WITH ELEVATOR INSTALLER.
- COORDINATE CONNECTION TO ELEVATOR EMERGENCY POWER JEWEL INDICATOR LIGHT. FURNISH AND INSTALL ALL CONDUIT AND WIRING AS REQUIRED TO EXTERIOR EMERGENCY TRANSFER SWITCH. REFER TO RISER DIAGRAM.



1 BASEMENT LIGHTING DEMO PLAN
Scale: 3/16" = 1'-0"
NORTH



2 BASEMENT LIGHTING PLAN
Scale: 3/16" = 1'-0"
NORTH

GENERAL NOTES:

1. WORK SHOWN LIGHTLY IS EXISTING TO REMAIN. WORK SHOWN DARK IS NEW TO BE FURNISHED AND INSTALLED BY CONTRACTOR.

DEMO KEYED NOTES:

- 1 DISCONNECT, REMOVE, RELOCATE AND RECONNECT EXISTING LIGHT FIXTURE AS REQUIRED FOR INSTALLATION OF NEW ELEVATOR EQUIPMENT.
- 2 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE.

KEYED NOTES:

- 1 REINSTALL EXISTING LIGHT FIXTURE.
- 2 FURNISH AND INSTALL 20 AMP, 1-POLE CIRCUIT BREAKER FOR EACH NEW CIRCUIT. MOUNT CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL. NEW CIRCUIT BREAKER SHALL MATCH CHARACTERISTICS OF EXISTING CIRCUIT BREAKERS.
- 3 COORDINATE MOUNTING LOCATION SO THAT SAME DOES NOT INTERFERE WITH TRAVEL OF ELEVATOR.

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**MANSON ELEVATOR
REPLACEMENT**

GOVERNOR'S MANSION

Jefferson City, Missouri

PROJECT # O2036-01

SITE # 0001

FACILITY # 0505

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MANSION ELEVATOR REPLACEMENT

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