

DAS HHS CHMHI FOUR CORNERS ELEVATOR REPLACEMENT

IOWA DAS

CHEROKEE, IOWA

OWNER'S PROJECT NUMBER: 9527.00
RFP 952700-01



CMBA
ARCHITECTS

GRAPHIC SYMBOLS

SITE SPOT ELEVATION

NEW FINISH SPOT GRADE
NEW AND EXISTING FINISH SPOT GRADE
TOP OF CURB BOT. OF CURB
TO: 1107.33
TO: 1107.33
TO: 1107.33
TO: 1107.33

EXISTING CONTOUR LINE

NEW CONTOUR LINE

APPROX. TEST BORING LOCATION

PROPERTY LINE

CENTER LINES/ PROJECTED LINES

MATCH LINE

LEVEL LINE

ROOM FINISH TAG

ROOM NAME
ROOM NUMBER
ROOM WALL FINISH
ROOM WALL BASE FINISH
ROOM FLOOR FINISH
ROOM KEYNOTES

NEW / EXISTING WALL CONSTRUCTION

ROOM NAME AND NUMBER

DOOR NUMBER

WINDOW TYPE

SPOT ELEVATION

KEY NOTES

REVISION MARKER

TOILET ACCESSORIES TAG

WALL TAG

ASSEMBLY TYPE TAG

COLUMN GRID LINE

BUILDING SECTION / WALL SECTION

DETAILS

EXTERIOR ELEVATION

INTERIOR ELEVATION

MATERIAL INDICATIONS

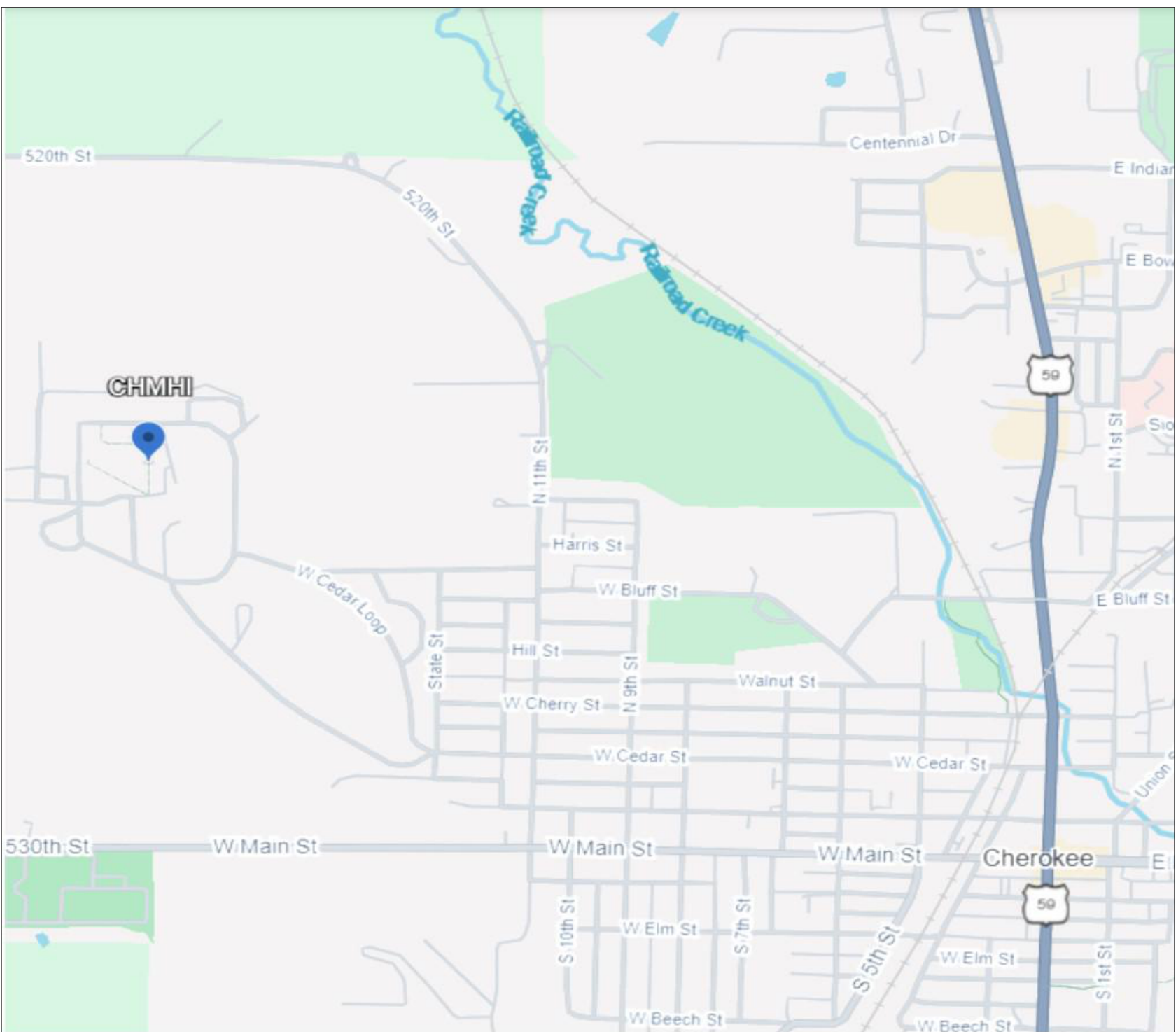
EARTH
WOOD STUDS
METAL STUDS
METAL SECTION
CMU (STD. WT.)
MINERAL WOOL

GRAVEL / SAND FILL
CONCRETE
BRICK
STONE
AIR SEAL

FINISHED WOOD
RIGID INSULATION
SEALANT
GYPSUM BOARD
ACoustical CEILING

METAL (LARGE SCALE)
WOOD BLOCKING
EXISTING CONSTRUCTION

PROJECT LOCATION



NOT TO SCALE

ARCHITECT

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly Licensed Architect under the laws of the State of

Signature: *Adam Donovan Van Gorp* Date: 8/6/2026

Printed or typed name: **ADAM DONAVAN VAN GORP**

License Number: **07319**

My license renewal date is **JUNE 30TH, 2027**

Pages or sheets covered by this seal: ALL "T" & "A" SHEETS

ENGINEER

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of

Signature: *Chad D. Bass* Date: _____

Printed name: **CHAD D. BASS**

License renewal date: **DECEMBER 31TH, 2027**

Pages or sheets covered by this seal: ALL MECHANICAL AND PLUMBING ON "ME" SHEETS

Date Issued: **08/06/2026**

ENGINEER

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Engineer under the laws of the State of

Signature: *Eric Heynen* Date: _____

Printed name: **ERIC HEYENEN**

License renewal date: **DECEMBER 31TH, 2027**

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Date Issued: **08/06/2026**

SHEET INDEX

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A2.08	FLOOR PLANS AND SECTIONS

MECHANICAL	
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ME1.1	MECHANICAL & ELECTRICAL DEMOLITION PLANS
ME2.1	MECHANICAL & ELECTRICAL FLOOR PLANS
ME3.1	MECHANICAL & ELECTRICAL DETAILS

ABBREVIATIONS

AB	AIR BARRIER	HVAC	HEATING, VENTILATING, AIR CONDITIONING
ABF	ABOVE FINISH FLOOR	INT.	INTERIOR
ACT	ACOUSTICAL CEILING TILE	JST.	JOIST
ALT.	ALTERNATE	JT.	JOINT
ALUM.	ALUMINUM	KIT.	KITCHEN
APPROX.	APPROXIMATE	LAV.	LAVATORY
ARCH.	ARCHITECT (URAL)	MAX.	MAXIMUM
AVB	AIR AND VAPOR BARRIER	MB	MARKER BOARD
BD	BOARD	MDF	MEDIUM DENSITY FIBERBOARD
BES	BUILDING ENVELOPE SEALANT	MECH.	MECHANICAL
BG	BUMPER GUARD	MFR.	MANUFACTURER
BSW	BELOW GRADE WATERPROOFING MEMBRANE	MN.	MINIMUM
B.O.	BOTTOM OF	MISC.	MISCELLANEOUS
BRG.	BEARING	MTL.	METAL
CC	CUBICLE CURTAIN	NIC	NOT IN CONTRACT
CFCI	CONTRACTOR FURNISHED-CONTRACTOR	NOM.	NOMINAL
CG	CORNER GUARD	NTS	NOT TO SCALE
CJ	CONTROL JOINT	OC	ON CENTER
CL	CENTERLINE	OFOI	OWNER FURNISHED-OWNER INSTALLED
CLG.	CEILING	OFCI	OWNER FURNISHED-CONTRACTOR
CMU	CONCRETE MASONRY UNIT	ORD	OVERFLOW ROOF DRAIN
COL.	COLUMN	PL	PLASTIC LAMINATE
CONC.	CONCRETE	PNL	PANEL
CONST.	CONSTRUCTION	PT.	PAINT
CONT.	CONTINUOUS	R / RAD.	RADIUS
CORR.	CORRIDOR	RAF	RAISED ACCESS FLOOR
CPT.	CARPET	RD	ROOF DRAIN
CR	CHAIR RAIL	REF.	REFERENCE, REFER TO
CT	CERAMIC TILE	REFR.	REFRIGERATOR
DIA.	DIAMETER	REINF.	REINFORCE (D) (ING)
DIM.	DIMENSION	REQ.	REQUIRED
DN.	DOWN	REV.	REVISION(S) REVISED
DS	DOWNSPOUT	RF	RESILIENT FLOORING
DTL.	DETAIL	RM.	ROOM
DVB	DECK VAPOR BARRIER	RO	ROUGH OPENING
DWG.	DRAWING	RP	RESIN PANEL
EA	EACH	RTU	ROOF TOP UNIT
EG	END GUARD	SAB	SOUND ATTENUATING BATTS
EJ	EXPANSION JOINT	SCHED.	SCHEDULE
ELEC.	ELECTRICAL	SF	SQUARE FEET
ELEV.	ELEVATOR	SIM	SIMILAR
EPT	EPOXY PAINT	SPEC	SPECIFICATION
EQ	EQUAL	SS	SOLID SURFACE
EQUIP.	EQUIPMENT	STD.	STANDARD
EW	EACH WAY	STL.	STEEL
EXBT.	EXISTING	SSTL	STAINLESS STEEL
EXP.	EXPOSED	STOR.	STORAGE
EXT.	EXTERIOR	STRUCT.	STRUCTURAL
FAF	FLUID APPLIED FLOORING	SUSP.	SUSPENDED
FD	FLOOR DRAIN	TB	TACK BOARD
FE	FIRE EXTINGUISHER	TERR.	TERRAZZO
FEC	FIRE EXTINGUISHER CABINET	T.O.	TOP OF
FIN.	FINISHED	T.O.B.	TOP OF BEAM
FLR.	FLOOR	T.O.C.	TOP OF CONCRETE
FND.	FOUNDATION	T.O.F.	TOP OF FOOTING
FRP	FIBERGLASS REINFORCED PANEL	T.O.W.	TOP OF WALL
FRT	FIRE RETARDANT TREATED	TYP.	TYPICAL
FTG.	FOOTING	UVB	UNDER-SLAB VAPOR BARRIER
FV	FIELD VERIFY	VAR.	VARIES
GA	GAUGE	VB	VAPOR BARRIER
GALV.	GALVANIZED	VERT.	VERTICAL
GC	GENERAL CONTRACTOR	WB	WALL BASE
GFRB	GLASS FIBER REINFORCED GYPSUM	WC	WALL COVERING
GL	GLASS	WD	WOOD
GYP.	GYPSUM	WDF	WOOD FLOORING
GWB	GYPSUM WALL BOARD	WOB	WOOD BASE
HM	HOLLOW METAL	WP	WALL PROTECTION
HORIZ.	HORIZONTAL	WT	WINDOW TREATMENT
HR	HANDRAIL		

PROJECT SUMMARY

REPLACEMENT OF ELEVATOR IN FOUR CORNERS AREA OF THE FACILITY, AND ASSOCIATED MEP UPDATES TO MEET CURRENT CODE. REFERENCE FULL BUILDING DRAWINGS FOR CODE INFORMATION ADDRESSING THE EXISTING BUILDING.

STATE OF IOWA:

- 2024 IBC: ALL APPLICABLE CHAPTERS
- 2024 International Building Code as adopted by Iowa Administrative Rule chapters 861-201 and 861-301
- 2024 International Fire Code as adopted by Iowa Administrative Rule chapters 861-201
- 2012 International Energy Conservation Code as adopted by Iowa Administrative Rule chapters 861-303
- 2024 International Existing Building Code as adopted by Iowa Administrative Rule chapters 861-301 and 861-350
- 2012 NFPA 101 Life Safety Code as adopted by Iowa Administrative Rule chapter 861-205
- 2010 Americans with Disabilities Act as adopted by Iowa Administrative Rule chapter 861-302
- State Mechanical Code as adopted by the Department of Public Health Iowa Administrative Rule chapter 861-81
- State Plumbing Code as adopted by the Department of Public Health Iowa Administrative Rule chapter 861-25
- State Electrical Code as adopted by the State Electrical Licensing Board Iowa Administrative Rule chapter 861-504
- ANSI 117.1, 2009, ALL APPLICABLE CHAPTERS

OWNER

Iowa Department of Administrative Services
Owner's Representative:
Jennie Elliot
State Design & Construction Resources Bureau
109 S. E. 13th Street
Des Moines, IA 50319
Office: 515-745-3244

On Site Contact:
Maintenance Supervisor:
Jason Pigott
1251 W. Cedar Loop
Cherokee, IA 51012
PH: 712-229-1505

ARCHITECT

CMBA Architects
505 Grand Avenue
Spencer, IA 51301
PH: 712-262-3428
Architect Responsible: Adam Van Gorp, AIA
E-mail: vangorp.ag@cmbaarchitects.com

BUILDING OFFICIAL:

The Iowa Department of Inspections, Appeals, and Licensing, Building & Construction Division

	IBC 2024	REQ / ALLOWED	PROVIDED
USE AND OCCUPANCY	CHAPTER 3		II-3
CONSTRUCTION TYPE	SECTION 602, TABLE 601		II-3
AUTOMATIC SPRINKLER SYSTEM	SECTION 903	YES	YES
BUILDING HEIGHT	TABLE 504.3	85 MAX	Appx. 40'
BUILDING STORIES	TABLE 504.3	2 STORIES	2
LARGEST FLOOR AREA / STORY / 1ST FLOOR AREA	TABLE 505.2		

REVISIONS

NO.	DESCRIPTION	DATE

100% CONSTRUCTION DOCUMENTS SET

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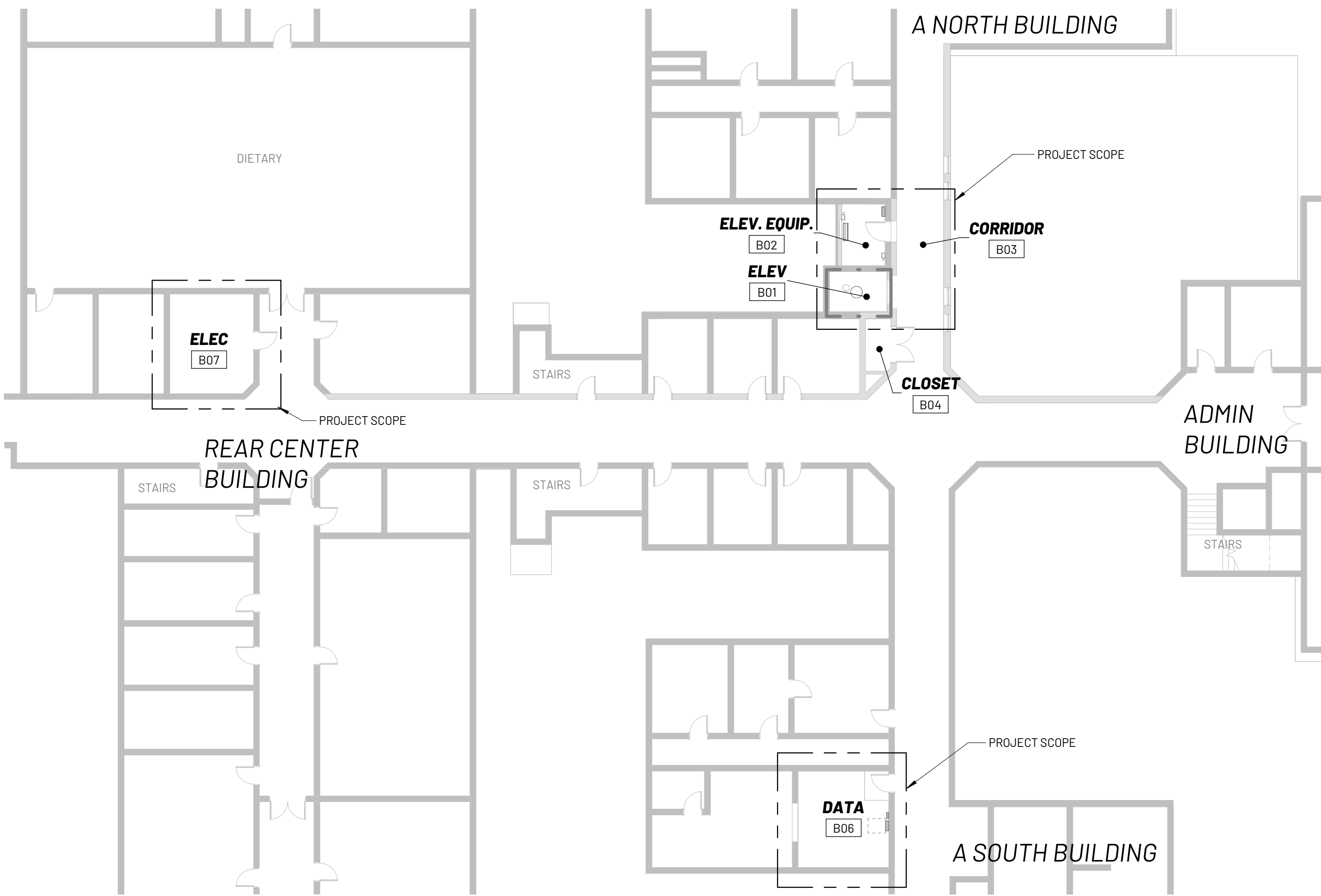
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PROJECT
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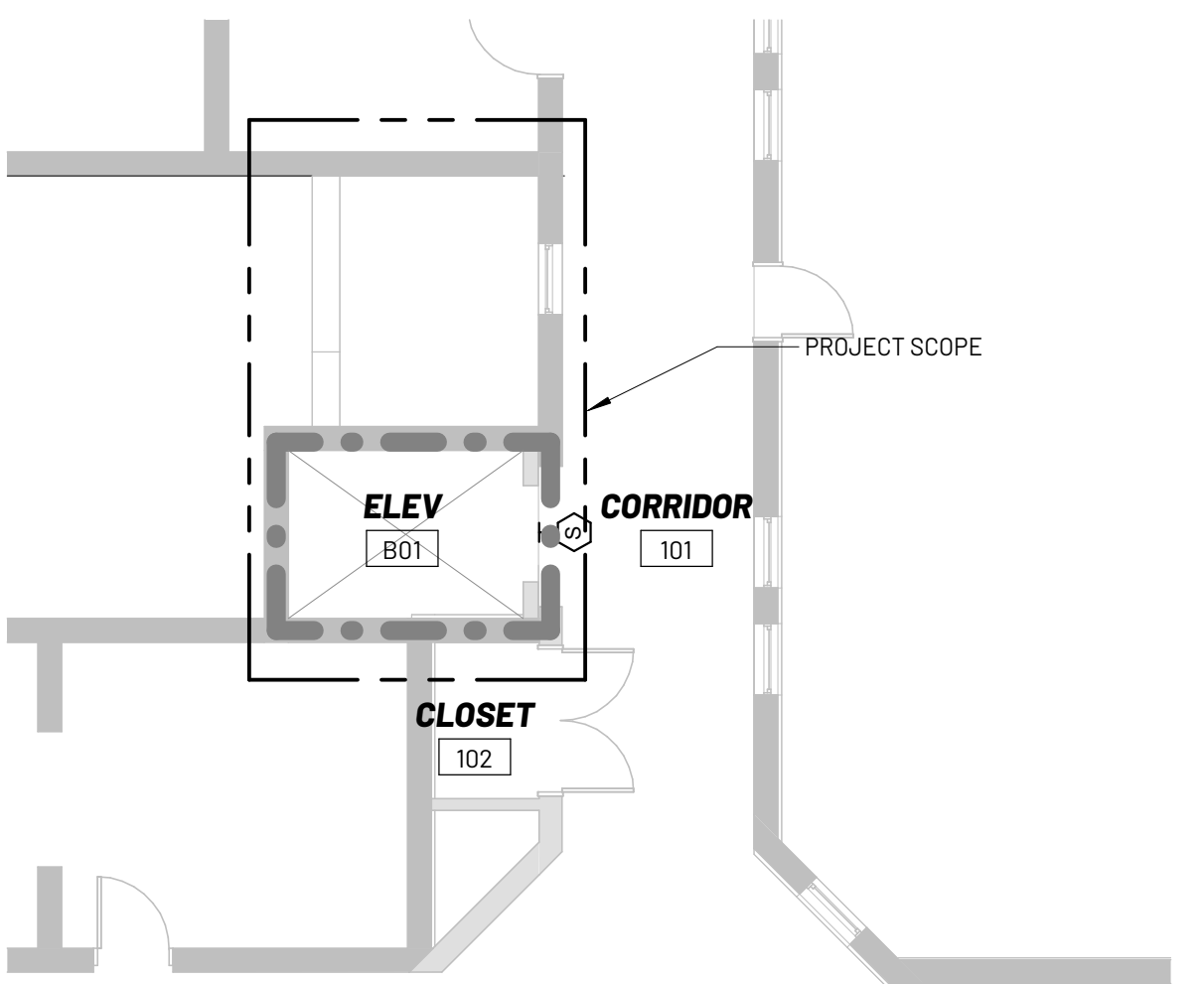
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IOWA DAS
CHEROKEE, IOWA

SHEET

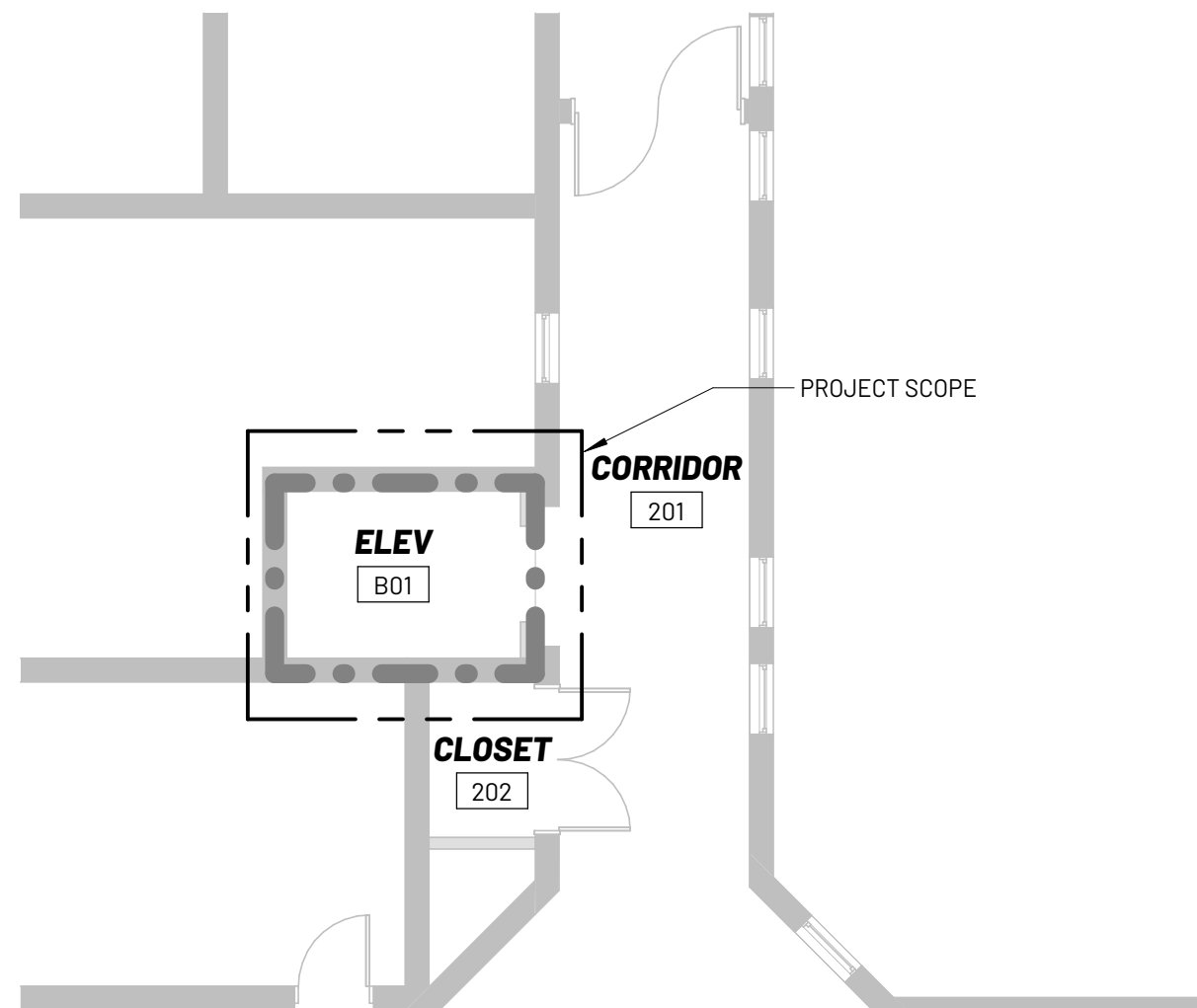
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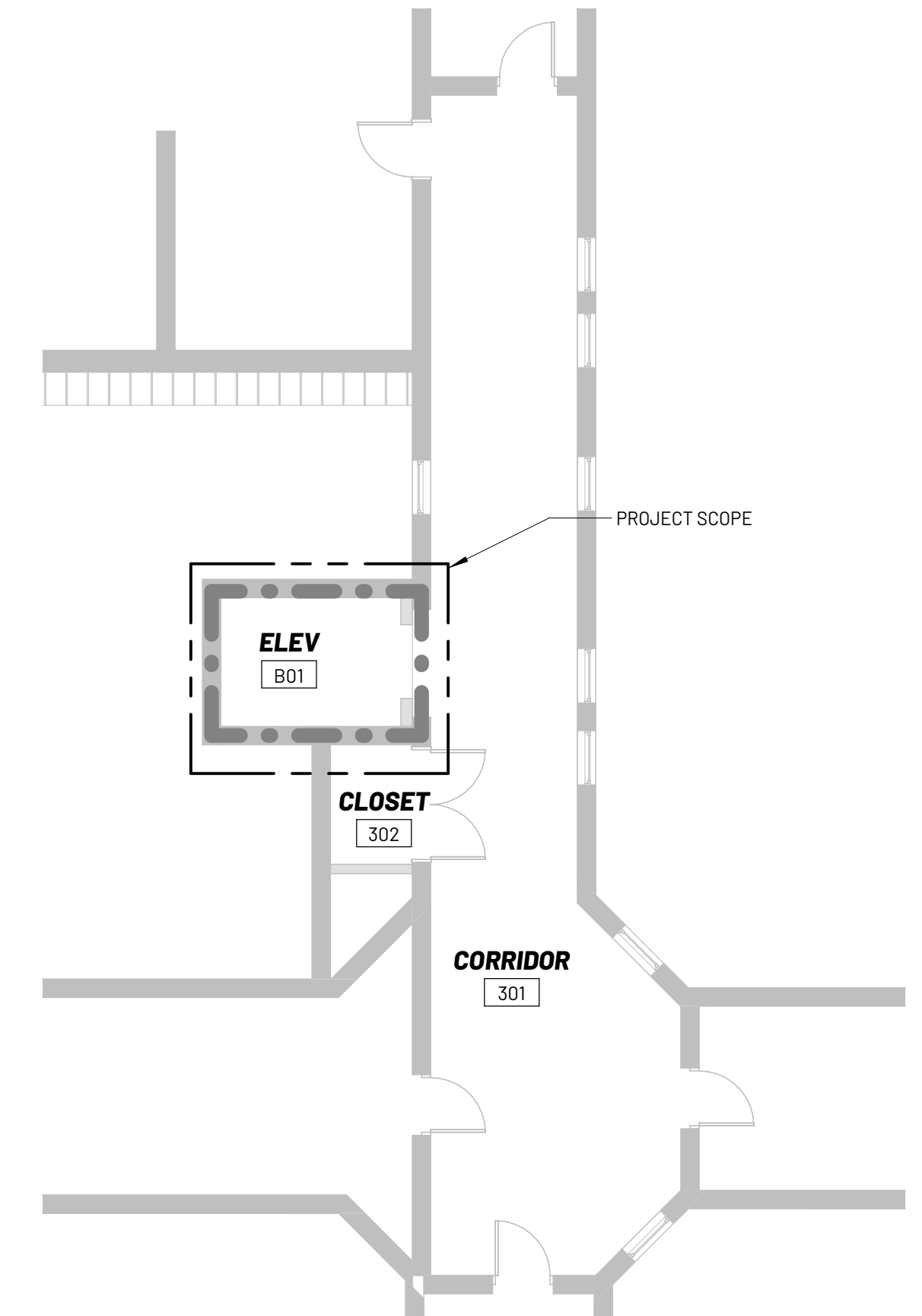
3 CODE REVIEW - BASEMENT
1/16" = 1'-0"



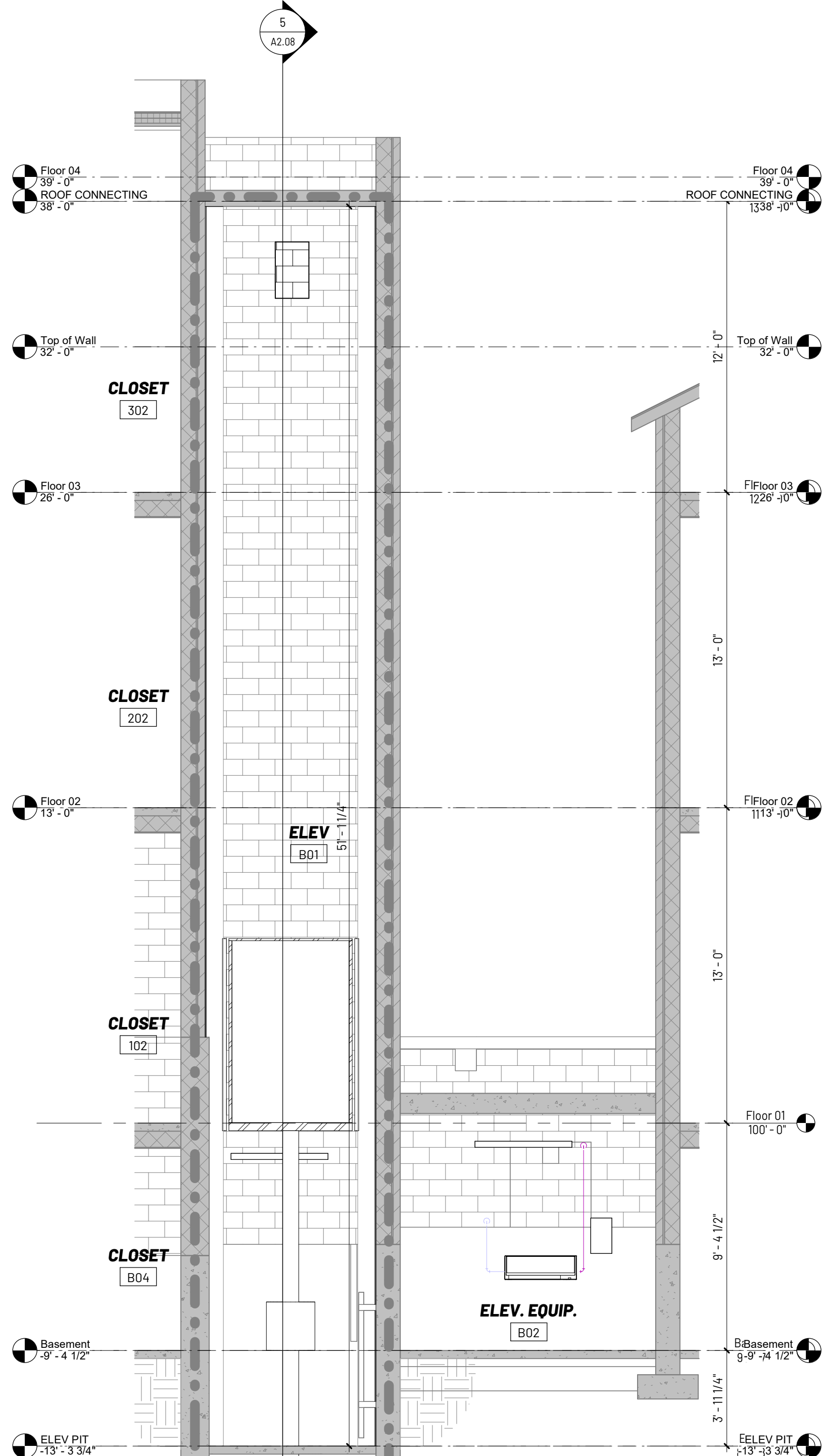
2 CODE REVIEW - FIRST FLOOR
1/8" = 1'-0"



4 CODE REVIEW - SECOND FLOOR
1/8" = 1'-0"



5 CODE REVIEW THIRD FLOOR
1/8" = 1'-0"

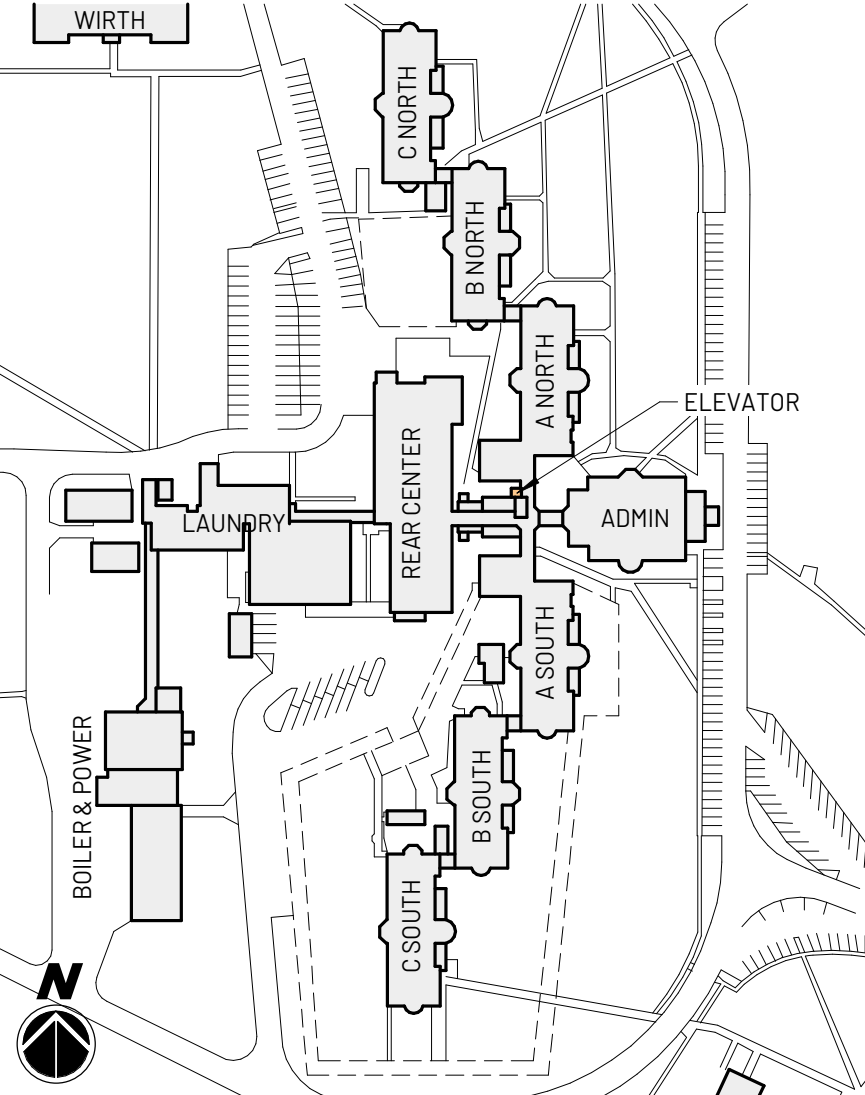


1 ELEVATOR SECTION N/S
1/4" = 1'-0"

CODE LEGEND

- • — FIRE BARRIER - 1 HR FIRE RESISTANCE RATING
- • — EXISTING 1HR FIRE RESISTANCE RATING
- FE FIRE EXTINGUISHER WITH BRACKET

KEYPLAN



REVISIONS

NO.	DESCRIPTION	DATE

IF THIS DRAWING IS NOT 30"x42" IT IS NOT TO SCALE

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CODE SUMMARY

PROJECT SUMMARY:
REPLACEMENT OF ELEVATOR F AT THE CHMHI FACILITY, LOCATED IN THE "FOUR CORNERS" AREA BETWEEN ADMIN AND REAR CENTER BUILDINGS.
REPLACEMENT OF EQUIPMENT ONLY, NO RECONFIGURATION OF SPACES OR CHANGE OF OCCUPANCY.

CODE INFORMATION
2010 GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES
2000 NFPA 101 LIFE SAFETY CODE
2010 ADAAG
2024 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL ENERGY CONSERVATION CODE

The below references are from the NFPA 2000 Life Safety Code, unless otherwise noted.

OWNER
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES (DAS)
CHEROKEE MENTAL HEALTH INSTITUTE (CHMHI)
1291 WEST CEDAR LOOP
CHEROKEE, IA 51019
OWNERS REP: Jennie Elliott email: jennie.elliott@das.iowa.gov
(515) 745-3244

ARCHITECT
CMBA ARCHITECTS
302 JONES ST STE 200
SIOUX CITY, IA 51101
712-535-1833
A/E RESPONSIBLE: ADAM VAN DORP email: vangorp.a@cmbaarchitects.com
712-276-2033

LOCAL AUTHORITY HAVING JURISDICTION
1. BUILDING OFFICIAL: Dan Wood - IOWA STATE FIRE MARSHAL
Email: wood@dps.state-ia.us Phone: 515-725-6160
2. STATE REVIEWER: Shaun Sherrard - Senior Construction Design Engineer
Email: shaun.sherrard@ia.iowa.gov Phone: 515-725-6167

OCCUPANCY GROUPS:
1. EXISTING HOSPITAL - NFPA CH 18 (IBC 1-2)
2. NEW ELEVATOR: HEALTH CARE NFPA CH 18 (IBC 1-2)

CONSTRUCTION TYPE:
EXISTING BUILDING: UBC/IFC TYPE 1-FR

SPRINKLER:
1. EXISTING HOSPITAL - NFPA TYPE 13
2. NEW ELEVATOR - NFPA TYPE 13

BUILDING HEIGHT:
EXISTING BUILDING: 4 FLOORS, 3 ABOVE GRADE
PROJECT LOCATION: SEE KEYPLAN
ALLOWABLE HEIGHT: N.A.

BUILDING AREA:
NO CHANGE TO EXISTING FLOOR AREA

HAZARDOUS AREA SEPARATION/ PROTECTED BY THE FIRE BARRIER: 19.3.2.1
1. ELEVATOR SHAFT - SEE BELOW

REQUIRED FIRE RESISTANCE RATINGS (in hours):
PRIMARY STRUCTURAL FRAME:

BEARING WALLS:
FLOOR CONSTRUCTION:
ROOF CONSTRUCTION:
SHAFT ENCLOSURES:
STAIRWAY ENCLOSURES (EXISTING):

CORRIDOR WALL FIRE RESISTANCE: 19.3.6.2
CORRIDOR WALLS MAY BE NON RATED AND SHALL LIMIT THE TRANSFER OF SMOKE

TRAVEL DISTANCE TO EXITS BETWEEN EGRESS ELEMENTS (feet) 19.2.6.2
NO CHANGE TO EXISTING TRAVEL DISTANCES

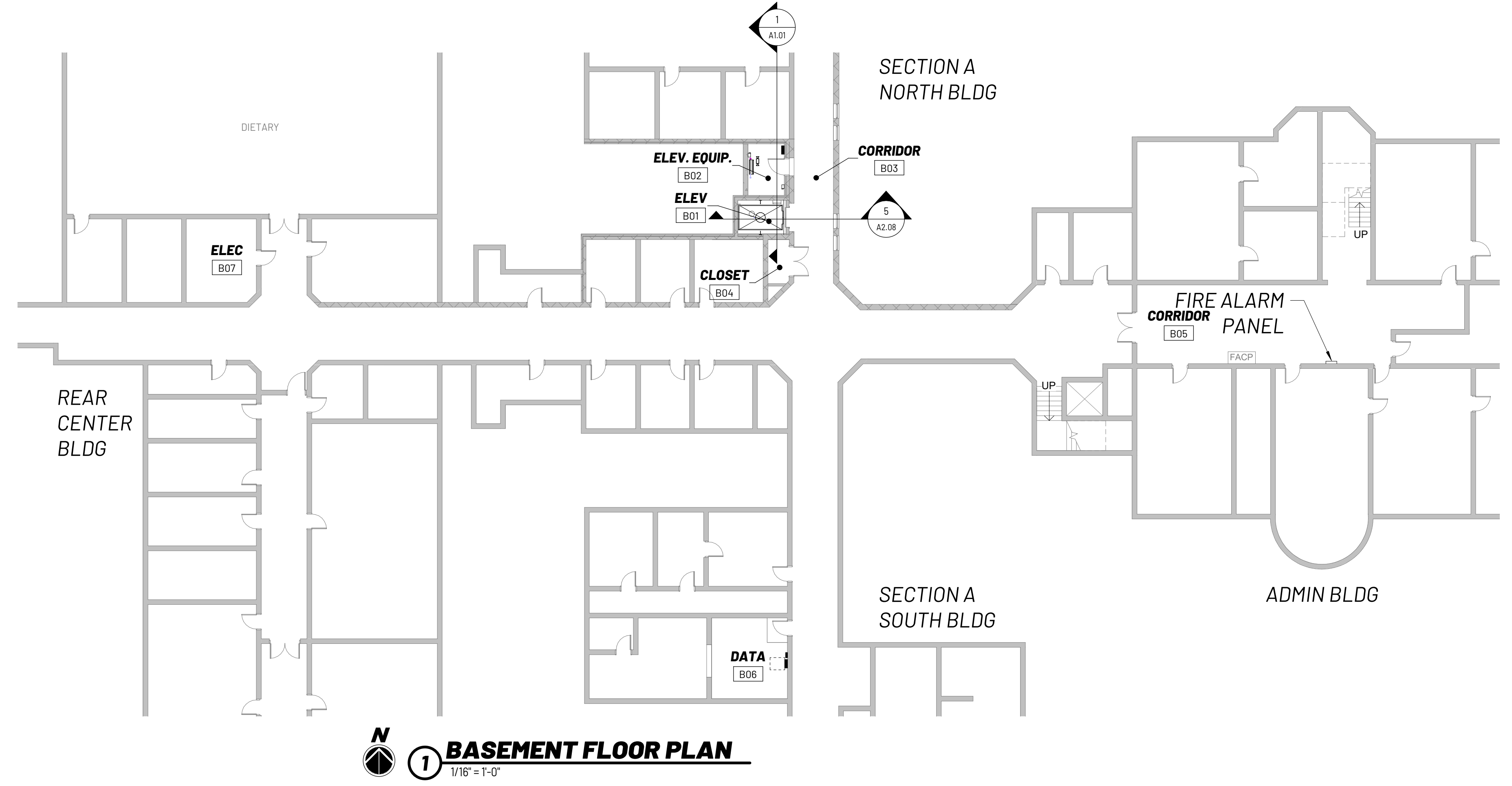
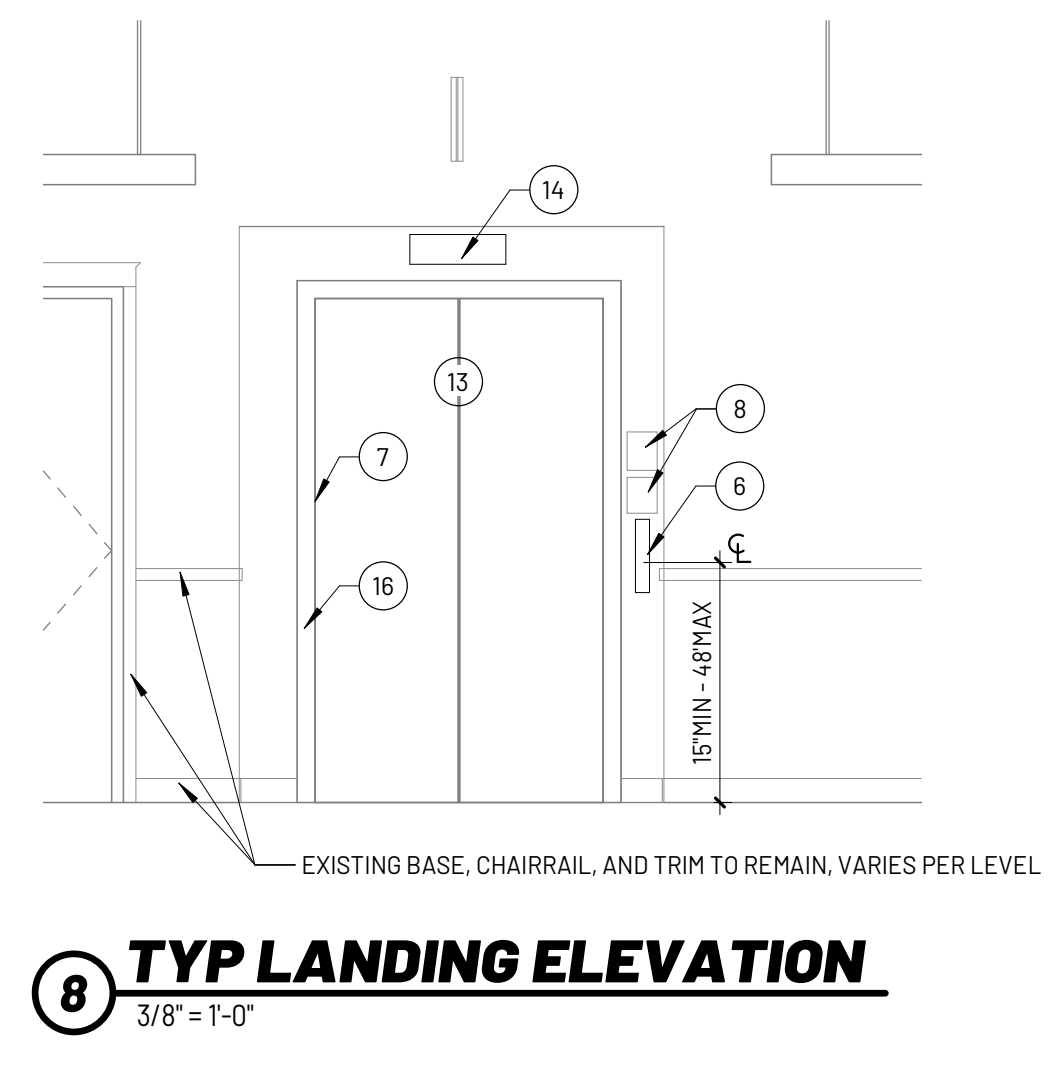
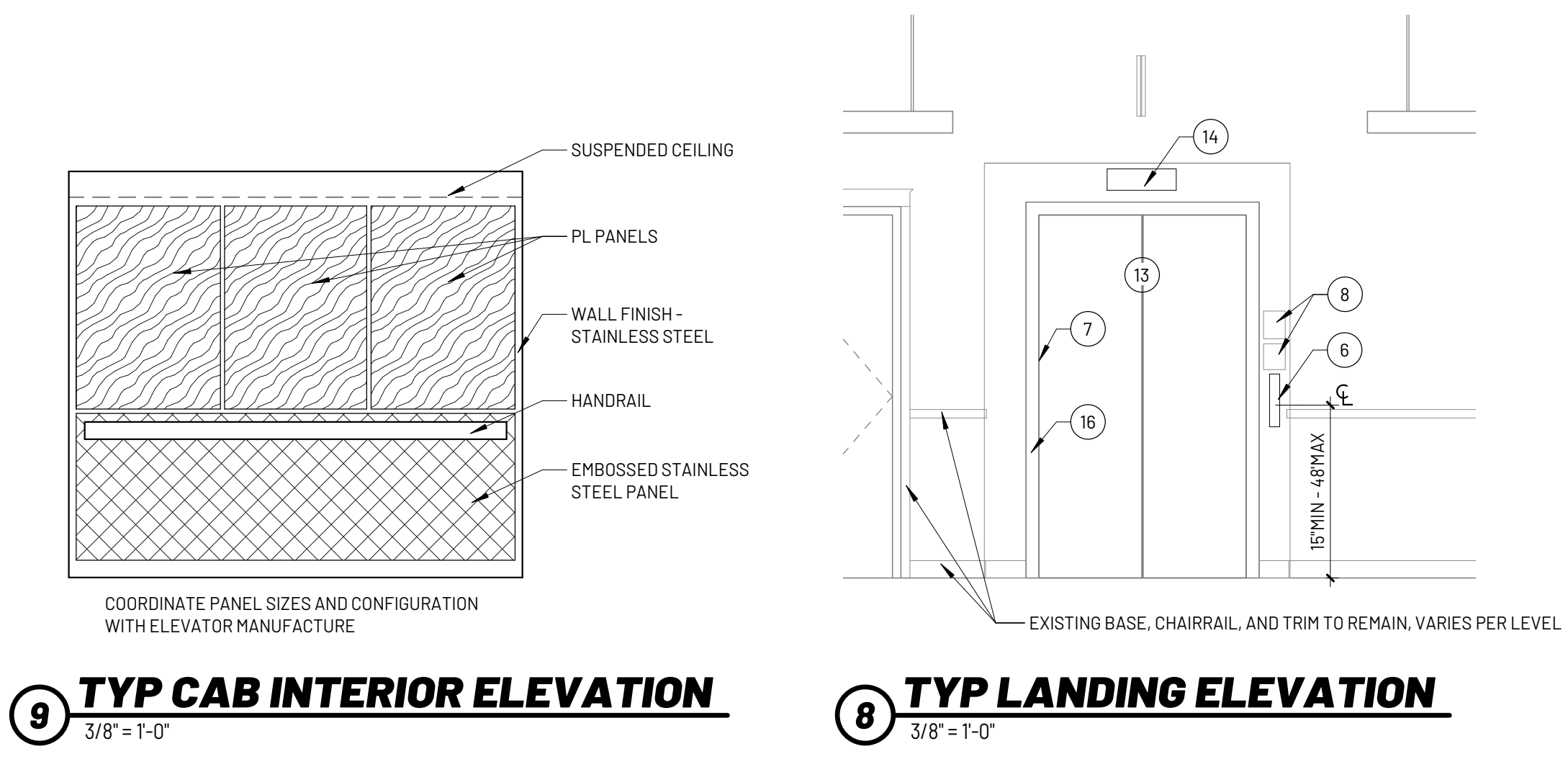
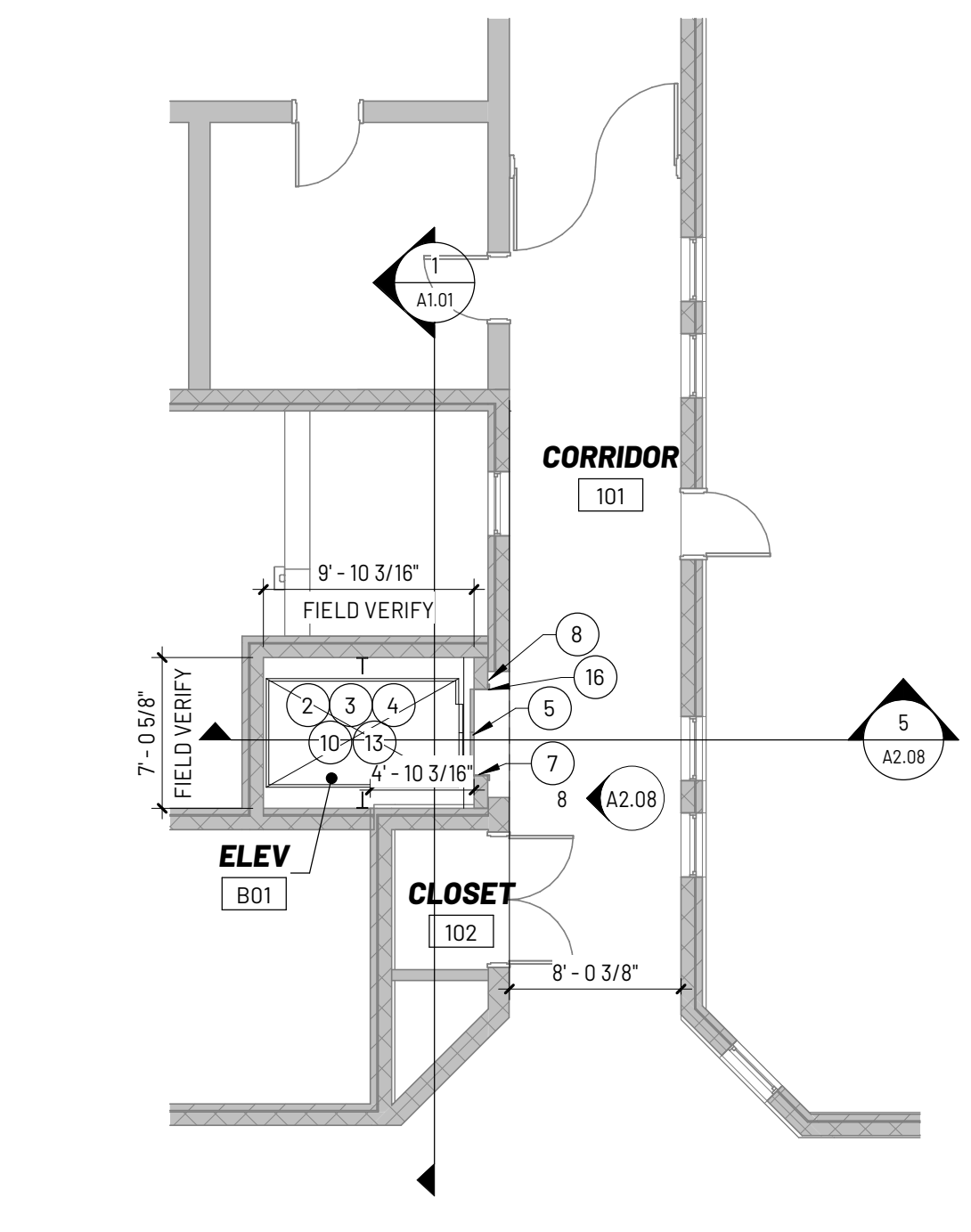
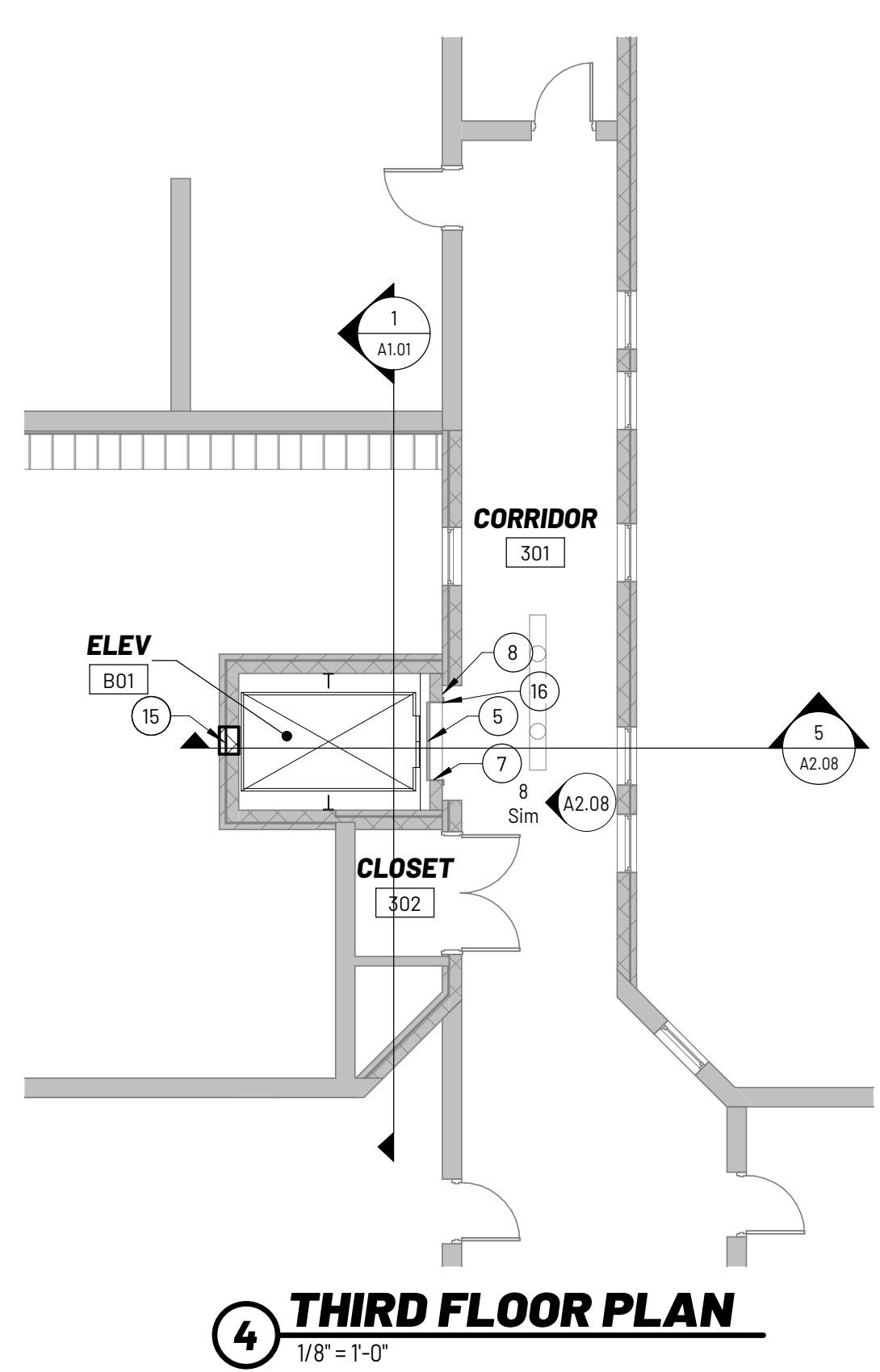
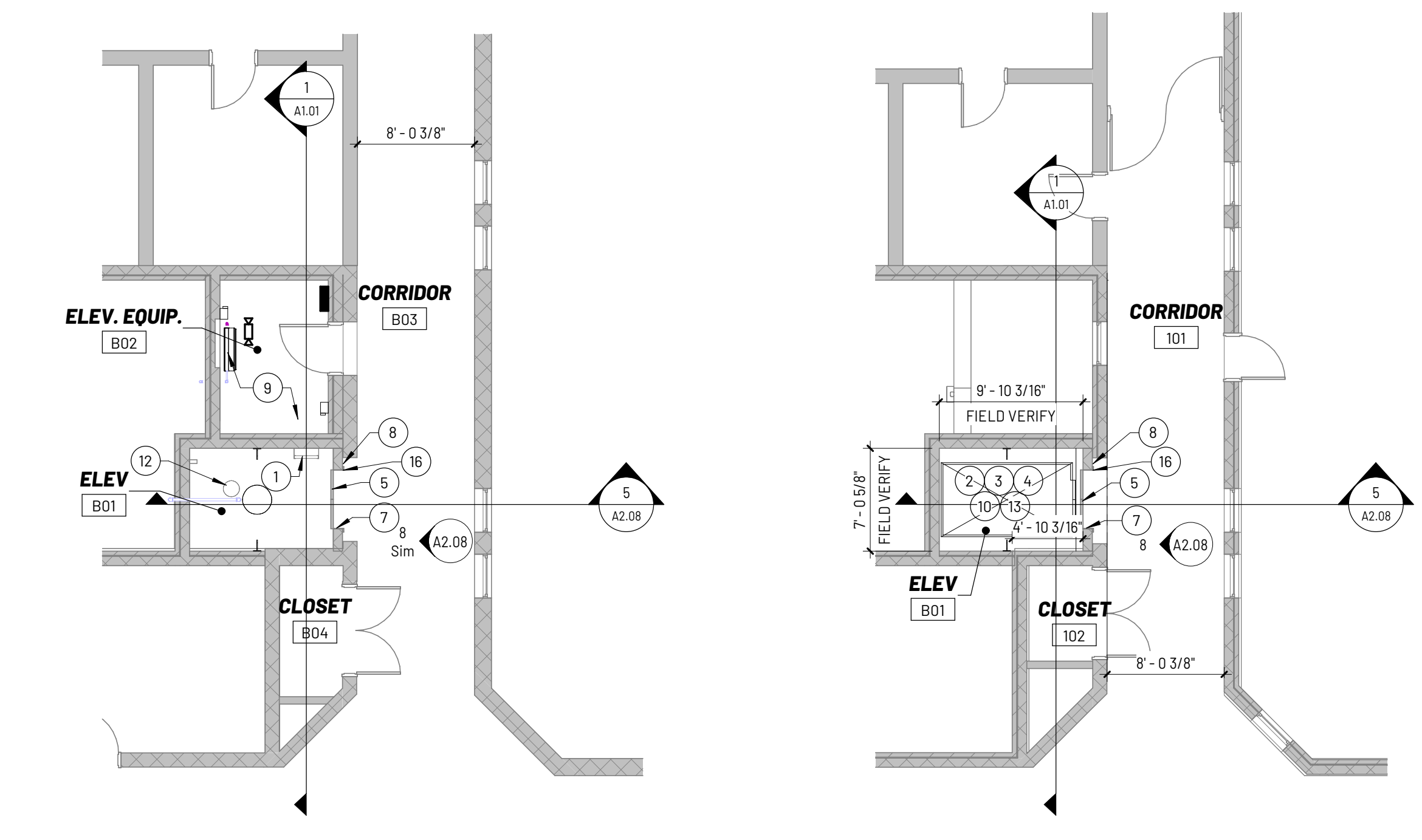
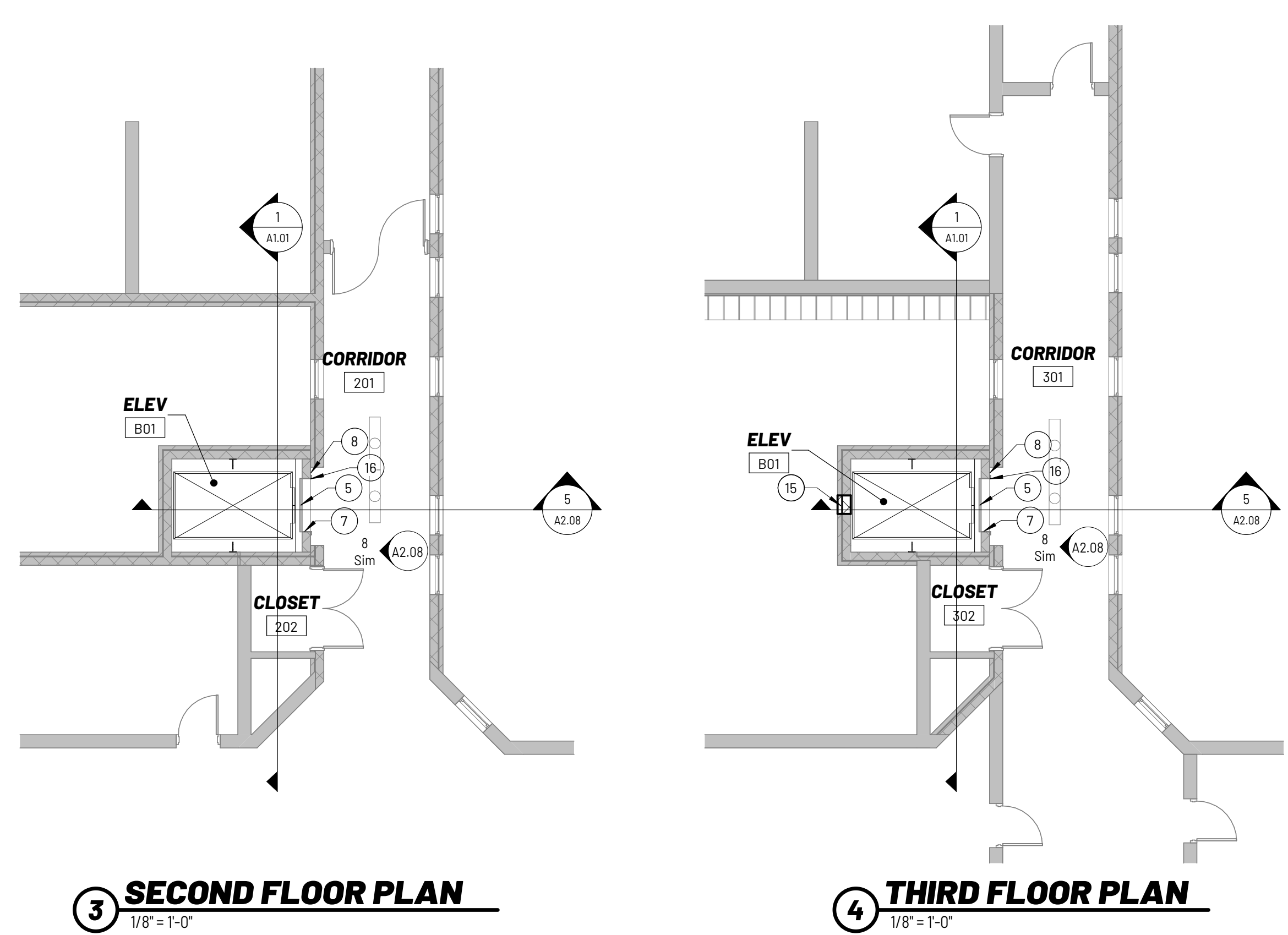
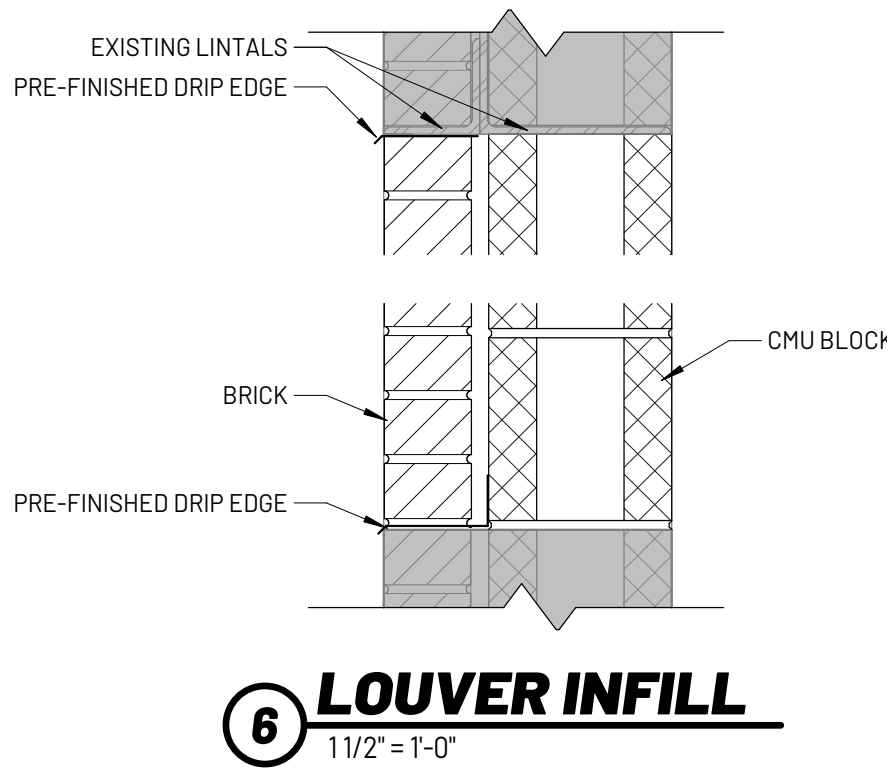
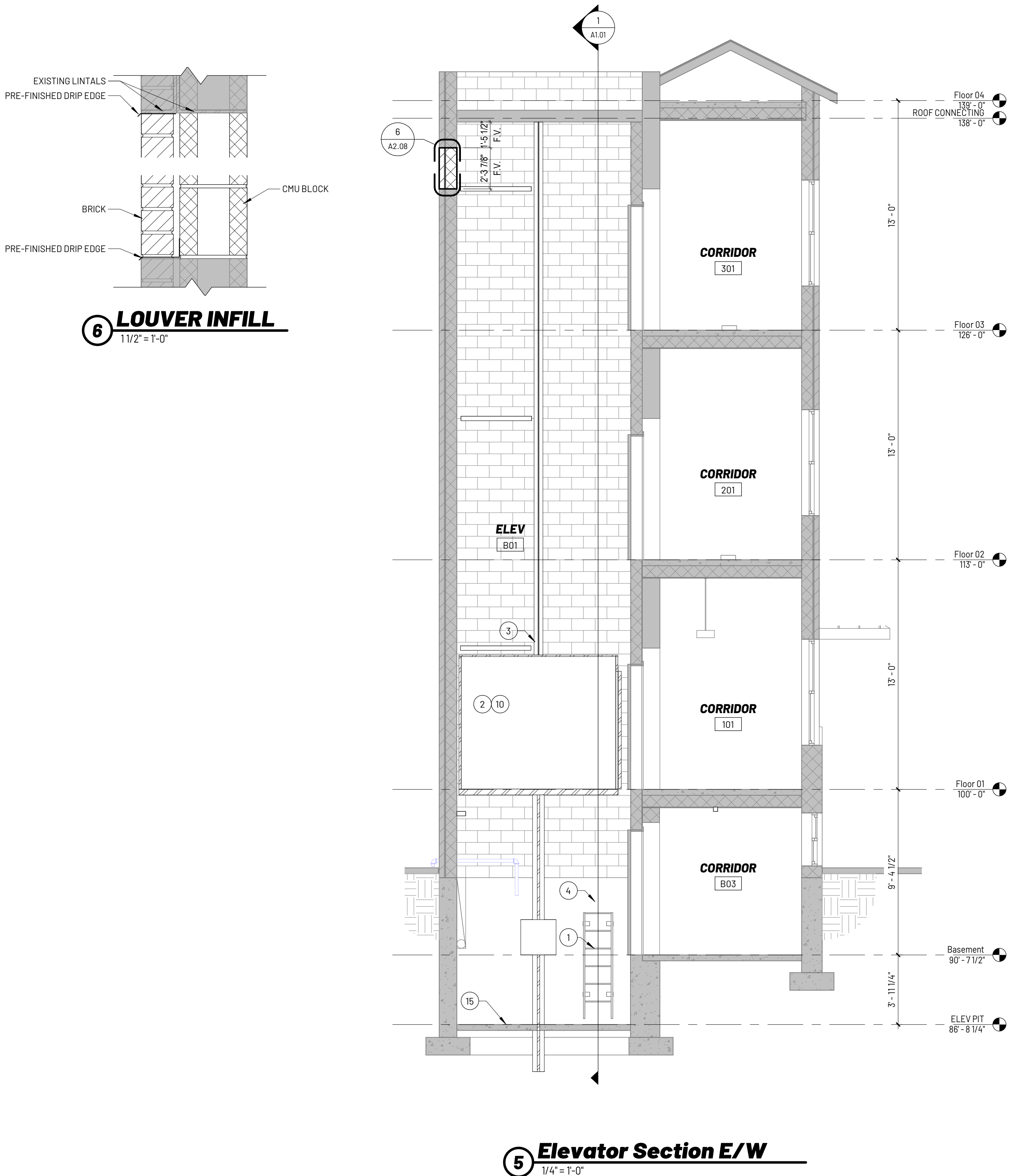
OCCUPANT LOAD FACTOR (of / person) TABLE 7.3.1.2:
NO CHANGE TO EXISTING TO OCCUPANT LOAD

DEAD END CORRIDOR LIMIT: 18.2.6.10 & TABLE A7.6.1
NO CHANGE TO CORRIDORS

ACTIVE FIRE SAFETY FEATURES
1. FIRE ALARM SYSTEM - SYSTEM PRESENT
2. SMOKE CONTROL SYSTEM - ALL DUCTWORK PENETRATING RATED WALLS WILL HAVE A SMOKE OR FIRE/ SMOKE DAMPER
3. FIRE SPRINKLER SYSTEM - NOT PRESENT IN THIS AREA OF THE FACILITY
4. EMERGENCY LIGHTING AND POWER - EMERGENCY LIGHTING PRESENT IN THIS AREA OF FACILITY
5. ILLUMINATED EXIT SIGNS

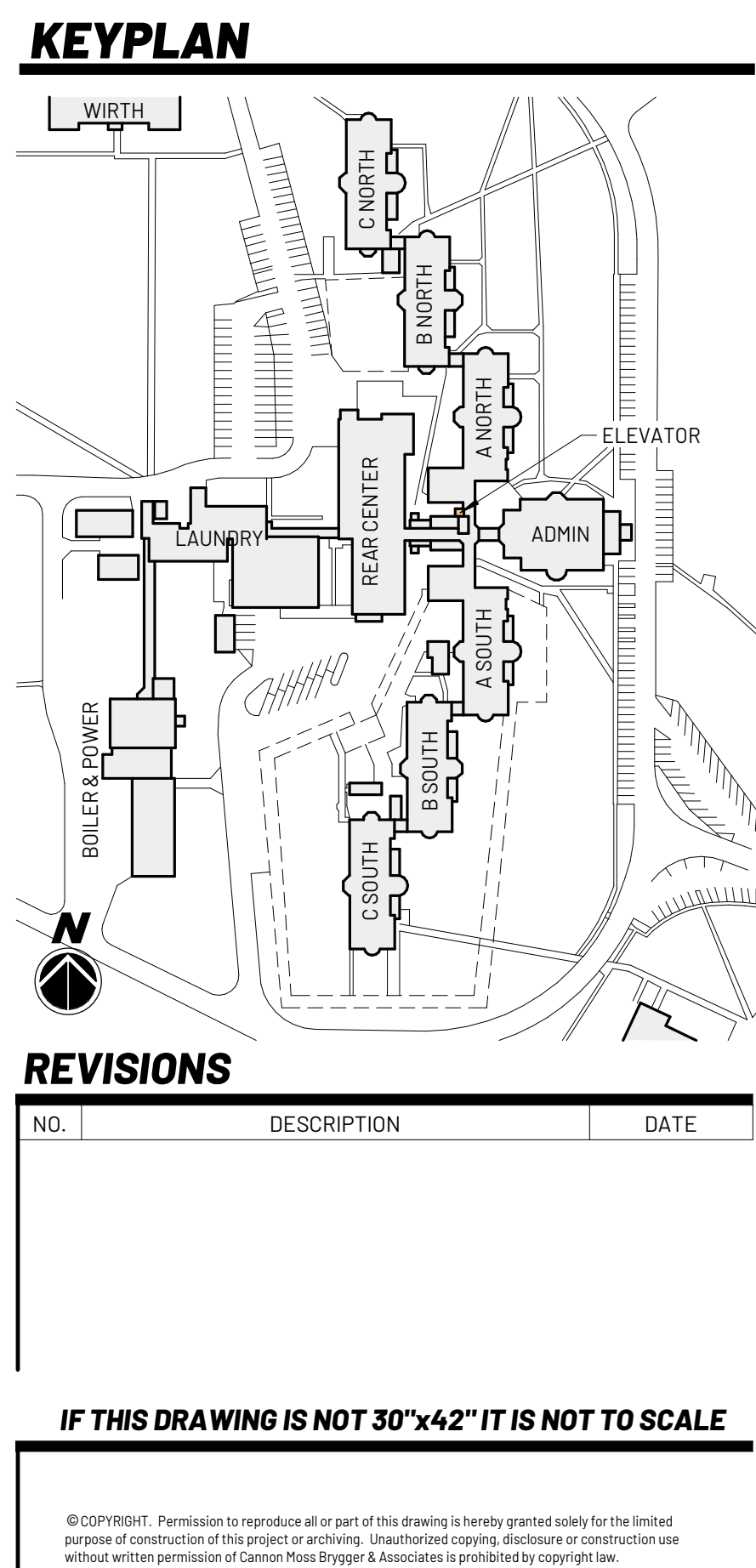
ELEVATORS & CONVEYING SYSTEMS (IBC 3000)
EMERGENCY SIGNAGE REQUIRED (3002.3)

MACHINE ROOMS (IBC 3005)
INDEPENDENT VENTING REQUIRED (3005.2)
FIRE BARRIERS: SHAFT 1HR RATED (713.4)
OPENINGS: PER 713.7 - 1HR (3005.4)
EQUIPMENT ROOM: PER 707 OR 3005.4 EXCEPTION 2: IF THE BUILDING IS 4 STORIES OR LESS ABOVE GRADE AND THE EQUIPMENT ROOM IS NOT ADJACENT OR HAS OPENINGS INTO HOISTWAY SERVED, THE ACCESSORY SPACE IS NOT REQUIRED TO BE FIRE RATED



- GENERAL NOTES**
- A** DIMENSIONS ARE TO FACE OF WALL UNLESS NOTED OTHERWISE.
 - B** CONTRACTORS SHALL FIELD VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING THE AFFECTED WORK.
 - C** DO NOT SCALE DRAWINGS, FOLLOW DIMENSIONS.
 - D** MECHANICAL AND ELECTRICAL EQUIPMENT / FIXTURES SHOWN FOR REFERENCE. SEE MECHANICAL AND ELECTRICAL CONSTRUCTION DOCUMENTS FOR INFORMATION.
 - E** ALL PENETRATIONS THROUGH FIRE-RESISTANCE/SMOKE/ SOUND RATED CONSTRUCTION SHALL BE SEALED WITH APPROVED FIRE-STOPPING OR SEALANT TO MAINTAIN REQUIRED RATINGS.
 - F** PATCH AND REPAIR EXISTING WALLS, FLOORS, CEILING, ETC., THAT ARE SHOWN TO REMAIN BUT ARE DAMAGED DUE TO CONSTRUCTION. THIS SHALL INCLUDE REPAIRING FINISHES DAMAGED BY THE REMOVAL OR INSTALLATION OF NEW MECHANICAL, ELECTRICAL, OR FIRE PROTECTION WORK OR DEVICES.
 - G** PATCH AND TOOTH-IN MASONRY ALL NEW OPENINGS, CORNERS, DOORS, WINDOWS, ETC. .
 - H** REFER TO ELECTRICAL DEMOLITION PLANS FOR ADDITIONAL DEMOLITION REQUIRED.
 - I** GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND TEMPORARY SUPPORT OF EXISTING ROOF, WALL AND FLOOR SURFACES NEAR AND AROUND DEMOLISHED AREAS.
 - J** PATCH MECHANICAL AND ELECTRICAL PENETRATIONS IN WALLS, FLOOR AND CEILING/STRUCTURE TO MATCH EXISTING.
 - K** FIELD VERIFY STRUCTURAL MEMBER PROFILES INDICATED ON EXISTING DRAWINGS MAY VARY FROM ACTUAL PROFILES AND SIZES LOCATED WITHIN THE EXISTING STRUCTURE.
 - L** ALL EXISTING COLUMNS REMAIN UNLESS OTHERWISE NOTED. DOCUMENTS AVAILABLE UPON REQUEST.
 - M** ALL HAZARDOUS MATERIAL ABATEMENT BY OTHERS.
 - N** COORDINATE AREAS OF DEMOLITION WITH OWNERS SCHEDULE.
 - O** CONTINUOUS SEALANT AT PERIMETER OF ALL FRAMES, BOTH SIDES OF WALL.
 - P** CONTRACTOR TO PROVIDE TEMPORARY ENCLOSURES, HEAT, AND LIGHTING AS REQUIRED FOR INSTALLATION OF EQUIPMENT. COORDINATE WITH ELEVATOR MANUFACTURER.
- SEE SPECS FOR ALTERNATE 01 - ELEVATOR JACK

- KEYNOTES**
- NOTES APPLY TO ALL LEVELS OF FACILITY, NOT ALL ELEVATOR COMPONENTS IDENTIFIED - REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
- 1 EXISTING PIT LADDER TO REMAIN
 - 2 REMOVE AND REPLACE ELEVATOR CAR OPERATING PANEL & CARD READER INSIDE ELEVATOR CAB
 - 3 REMOVE AND REPLACE TRAVELING CABLE, SEE ELECTRICAL SHEETS
 - 4 INSTALL NEW PIT SWITCH
 - 5 INSTALL DOOR SAFETY DEVICES
 - 6 REMOVE AND REPLACE LANDING BUTTONS
 - 7 REMOVE AND REPLACE LANDING CALL BUTTONS AND FIXTURES, TO BE IN COMPLIANCE WITH ADA 407.2.3.1
 - 8 INSTALL EMERGENCY SIGNS AT HALL STATIONS
 - 9 REMOVE AND REPLACE POWER UNIT - MOTOR, PUMP, HYDRAULIC TANK, VALVE, OIL, GASKETS, ETC....
 - 10 INSTALL CODE DATE PLATES
 - 11 REMOVE AND REPLACE SIGNAGE
 - 12 EXISTING SUMP PUMP PIT, F.V. LOCATION AND SIZE
 - 13 EXISTING ELEVATOR CAB DOORS, FRAMES, HANDRAILS, FLOORING, CEILING, CAB THRESHOLD, CAB LIGHTING TO BE REPLACED.
 - 14 NEW CAR DIRECTION INDICATORS
 - 15 REMOVE EXISTING VENT AND INFILL WITH LIKE MATERIALS
 - 16 PATCH AND REPAIR HOISTWAY FRAMES



FILE PATH: A:\projects\2025\08\CHMHI Four Corners Elevator Replacement\A2.08.dwg
DATE: 8/6/2026
TIME: 10:10:10 AM

MECHANICAL - GENERAL NOTES

- COORDINATE MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN AFTER COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE BUILDING STRUCTURE, ARCHITECTURAL ASSEMBLIES, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK ASSOCIATED WITH FAILURE TO COORDINATE.
- INCORPORATE MECHANICAL SPECIFICATIONS, DRAWINGS, STATE AND LOCAL CODES, AND OWNER STANDARDS INTO WORK.
- REFER TO ARCHITECTURAL SPECIFICATIONS FOR THROUGH-PENETRATION FIRESTOPPING AND TO ARCHITECTURAL CODE PLAN FOR FIRE RATED WALLS, FLOORS, AND CEILINGS. EACH TRADE IS RESPONSIBLE TO FIRESTOP PENETRATIONS THROUGH RATED ASSEMBLIES.
- EACH TRADE IS RESPONSIBLE FOR MAKING PENETRATIONS WHERE REQUIRED IN EXISTING WALLS, FLOORS, CEILINGS, AND ROOFS. MAKE PENETRATIONS NEAT, PATCH, CONCEAL, OR CAULK OVERCUT.
- PROVIDE MECHANICAL EQUIPMENT, SUPPORTS, HANGERS, AND ALL APPURTENANCES. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. INSTALL SYSTEM TO MEET ALL CITY AND STATE CODES AND REQUIREMENTS.
- COVER EXPOSED WALL PENETRATIONS WITH ESCUTCHEONS OR SHEET METAL AS APPROPRIATE.
- CAULK ALL CONCEALED AND EXPOSED PIPING AND DUCT WALL PENETRATIONS TO PREVENT NOISE TRANSFER BETWEEN SPACES.
- PROVIDE FIRE CAULKING ASSEMBLIES FOR PENETRATIONS OF RATED ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS FOR ASSEMBLY RATINGS.
- CONTINUE PIPE INSULATION THROUGH WALLS, FLOORS, AND CEILING PENETRATIONS UNBROKEN.
- ON COMPLETION OF THE INSTALLATION, COOPERATE WITH THE OWNER TO PROVIDE TESTING, ADJUSTING, AND BALANCING TO OBTAIN PROPER OPERATION OF ALL EQUIPMENT AND SYSTEMS. PROVIDE ALL FACILITIES AND EQUIPMENT AND COMPLETE ALL TESTS REQUIRED FOR ADJUSTMENTS AND BALANCING TO ESTABLISH THE PROPER PERFORMANCE OF EQUIPMENT.
- PROVIDE WARRANTIES FOR ALL EQUIPMENT AND INSTALLATION PER THE CONTRACT DOCUMENTS. CONDITIONING REFRIGERATION SYSTEMS SHALL BE WARRANTED FOR A MINIMUM OF 5 YEARS, PARTS ONLY, NON-PRORATED, FROM THE DATE OF OCCUPANCY OR SUBSTANTIAL COMPLETION, OR WHICHEVER OCCURS FIRST. THE WARRANTY SHALL COVER COMPRESSORS, EVAPORATORS, CONDENSER COILS, HIGH AND LOW SIDE PIPING, AND PIPING SPECIALTIES INCLUDING EXPANSION AND SOLENOID VALVES, RELIEF VALVES, FILTER DRYER AND SIGHT GLASSES. PRESSURE GAUGES AND PRESSURE SWITCHES ARE NOT UNDER THE EXTENDED WARRANTY EXCEPT FOR LOSS OF REFRIGERANT AND CONSEQUENTIAL DAMAGE TO THE SYSTEM WHICH WILL BE AN EXTENDED WARRANTY OBLIGATION. ALL DEFECTS THAT BECOME APPARENT WITHIN THE WARRANTY PERIOD SHALL BE REPAIRED BY THE MECHANICAL CONTRACTOR AS DIRECTED BY THE ENGINEER THROUGH THE OWNER'S REPRESENTATIVE. WARRANTY DOES NOT OBLIGATE THE MECHANICAL CONTRACTOR TO REPAIR DAMAGE RESULTING FROM THE OWNER'S ACCIDENT, IMPROPER OPERATION, OR FAILURE TO PROVIDE MAINTENANCE. WARRANTY COVERS DEFECTIVE MATERIAL AND INSTALLATION. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS AND OTHER WARRANTY INFORMATION.

MECHANICAL – DEMOLITION NOTES

- MECHANICAL DEMOLITION DRAWINGS SHOWING EXISTING CONDITIONS HAVE BEEN PREPARED BASED ON NON-DESTRUCTIVE FIELD OBSERVATION AND AS-BUILT DRAWINGS PROVIDED BY THE OWNER. FIELD VERIFY EXISTING SYSTEMS BEFORE BEGINNING WORK. NOTIFY ARCHITECT/ENGINEER IF EXISTING CONDITIONS ARE MATERIALLY DIFFERENT THAN THOSE SHOWN ON THE PLANS.
- BE FAMILIAR WITH EXISTING MECHANICAL SYSTEMS THAT WILL BE AFFECTED BY THE DEMOLITION WORK. OBTAIN PERMISSION FROM THE OWNER'S REPRESENTATIVE TO SHUT OFF SERVICES OR SYSTEMS THAT AFFECT AREAS BEYOND THE LIMITS OF THE IMMEDIATE DEMOLITION AREA. INFORM THE OWNER'S REPRESENTATIVE OF THE REASON FOR AND DURATION OF THE SHUTDOWN. MINIMIZE IMPACT TO OTHER AREAS. PROCEED WITH THE SHUT-DOWN AFTER PERMISSION FROM THE OWNER IS GRANTED.
- REMOVE PIPING, HANGERS, DUCTWORK, GRILLES, REGISTERS, DIFFUSERS, ETC. THAT ARE INDICATED TO BE REMOVED IN A TIMELY MANNER IN ACCORDANCE WITH THE GENERAL DEMOLITION SPECIFICATIONS. COORDINATE WITH THE OWNER AND OTHER CONTRACTORS.

ELECTRICAL ABBREVIATIONS			
A	DEVICE MOUNTED +8" ABOVE COUNTER TOP (VERIFY LOCATION)	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NM	NONMETALLIC
ATS	AUTOMATIC TRANSFER SWITCH	NTS	NOT TO SCALE
C	CEILING	OC	ON CENTER
CB	CIRCUIT BREAKER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CT	CURRENT TRANSFORMER	OFOW	OWNER FURNISHED, OWNER INSTALLED
E	EXISTING ITEM TO REMAIN	R	EXISTING ITEM TO BE REMOVED
EC	ELECTRICAL CONTRACTOR	RR	EXISTING ITEM TO BE REMOVED AND RELOCATED
EM	EMERGENCY LIGHT FIXTURE	RN	EXISTING ITEM TO BE REMOVED AND RELOCATED
ER	NEW LOCATION OF EXISTING ITEM	T	TEMPERATURE CONTROL CONTRACTOR
FAFP	ROUGH IN FOR FUTURE DEVICE	TCC	TELEVISION
FACP	FIRE ALARM ANNUNCIATOR PANEL	TYP	TYPICAL
FSD	FIRE ALARM CONTROL PANEL	UPS	UNINTERRUPTIBLE POWER SUPPLY
G	FIRE SMOKE DAMPER	V	VOLTS
GND	GROUND	VA	VOLT-AMPERES
KVA	KILO-VOLT-AMPERES	WG	WIREGUARD COVER
KW	KILOWATTS	WP	WEATHERPROOF DEVICE
MC	MECHANICAL CONTRACTOR	WR	WEATHER RESISTANT DEVICE
MCB	MAIN CIRCUIT BREAKER	+24"	INDICATES MOUNTING HEIGHT CENTER LINE OF DEVICE TO FINISHED FLOOR
MDP	MAIN DISTRIBUTION PANEL		
MLO	MAIN LUGS ONLY		
N	NEW DEVICE IN EXISTING LOCATION		

GENERAL NOTES - ELECTRICAL

- COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. BEGIN INSTALLATION AND ROUGH-IN ONLY AFTER PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION IS COMPLETE. COORDINATE WITH BUILDING STRUCTURE, ARCHITECTURE, MECHANICAL SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, EQUIPMENT ACCESS/CLEARANCE, ETC. REFER TO ALL GENERAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR REWORK OF INSTALLED EQUIPMENT RESULTING FROM INSUFFICIENT COORDINATION.
- ELECTRICAL DRAWINGS ARE ONLY A PORTION OF THE COMPLETE SET OF PLANS AND CONTRACT DOCUMENTS. THE ELECTRICAL SCOPE OF WORK IS DEFINED BY THE COMPLETE SET OF CONTRACT DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO REFERENCING ARCHITECTURAL PLANS FOR DIMENSIONS AND DETAILS; EQUIPMENT PLANS FOR ROUGH-IN REQUIREMENTS; MECHANICAL PLANS FOR EQUIPMENT SIZES AND LOCATIONS.

INSTALLATION NOTES - ELECTRICAL

- INCREASE CONDUCTOR SIZES ON 20A 120V-1 PHASE CIRCUITS EXCEEDING 100 FEET TO CENTER OF LOAD TO ACCOUNT FOR VOLTAGE DROP.
- RACEWAYS AND BOXES ARE SHOWN DIAGRAMMATICALLY ONLY AND INDICATE GENERAL AND APPROXIMATE LOCATIONS. LAYOUTS DO NOT ALWAYS SHOW THE TOTAL NUMBER OF RACEWAYS OR BOXES FOR THE CIRCUITS REQUIRED. NOR ARE THE LOCATIONS OF INDICATED RUNS INTENDED TO SHOW THE ACTUAL ROUTING OF THE RACEWAYS.
- LIGHT FIXTURES, SWITCHES, DEVICES, ETC. ARE SHOWN IN PREFERRED LOCATION. MODIFY CONDUIT, HANGERS, CIRCUITING, ETC. TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
- PROVIDE A DEDICATED GREEN INSULATED GROUND CONDUCTOR TO ALL DEVICES. DO NOT USE CONDUIT SYSTEM AS THE ONLY EQUIPMENT GROUNDING METHOD.
- PROVIDE TYPED PANEL DIRECTORY AT PROJECT COMPLETION FOR NEW PANELS AND EXISTING PANELS WITH CIRCUITS MODIFIED DURING PROJECT. USE OWNER'S CURRENT ROOM NUMBERS AND EQUIPMENT NAMES. PROVIDE UNIQUE CIRCUIT IDENTIFICATION PER NEC 408.4(A).
- CONTRACTOR IS RESPONSIBLE FOR OPENINGS IN WALLS, FLOORS, CEILINGS, AND ROOFS THAT ARE REQUIRED TO COMPLETE THEIR SCOPE OF WORK. SEAL PENETRATIONS IN ACCORDANCE WITH THE RATING OF THE AFFECTED ASSEMBLY. REFER TO ARCHITECTURAL CODE PLAN FOR RATED WALLS, FLOORS, AND CEILINGS.

CODE NOTES - ELECTRICAL

- PROVIDE ELECTRICAL INSTALLATION IN ACCORDANCE WITH STATE CODES.
- THE CURRENT ADOPTED EDITION OF THE ELECTRICAL CODE IS THE STANDARD FOR THE ELECTRICAL INSTALLATION. VERIFY WITH STATE OFFICIALS WHEN PERMITS ARE OBTAINED. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE PROJECT MANUAL OR DRAWINGS AND THE GOVERNING CODE.
- INSTALLATION SHALL FOLLOW REQUIREMENTS OF THE ADAAG -AMERICANS WITH DISABILITIES ACT.
- REFER TO PROJECT MANUAL AND PROJECT CODE REVIEW SHEET FOR LIST OF APPLICABLE CODES.
- PER NEC EVERY CIRCUIT AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT AND SPECIFIC PURPOSE OR USE. CONTRACTOR TO PROVIDE FINAL CIRCUIT IDENTIFICATION FOR ALL NEW AND MODIFIED CIRCUITS AT PROJECT COMPLETION.

DEVICE INSTALLATION AND MATERIALS - ELECTRICAL

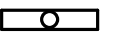
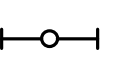
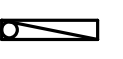
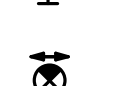
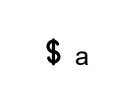
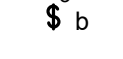
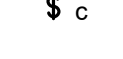
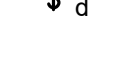
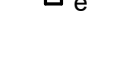
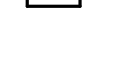
- PROVIDE NORMAL WIRING DEVICES AS GRAY UNLESS OTHERWISE NOTED.
- PROVIDE DEVICES COVER PLATES AS STAINLESS STEEL MATCH WIRING DEVICES COLOR.
- PROVIDE GFCI TYPE RECEPTACLES AT ALL LOCATIONS REQUIRED BY THE NEC.
- INSTALL ABOVE COUNTERTOP RECEPTACLES +8" ABOVE COUNTERTOP OR AS OTHERWISE INDICATED.
- AT A COMMON COUNTERTOP, INSTALL ALL RECEPTACLES AND SWITCHES AT THE SAME HEIGHT UNLESS OTHERWISE SPECIFICALLY INDICATED.

FIRE DETECTION & ALARM NOTES

- INSTALL HEAT DETECTORS IN WORK AREAS DURING CONSTRUCTION TO MINIMIZE FALSE TRIPS. INSTALL PERMANENT DETECTORS IN LOCATIONS SHOWN UPON CONSTRUCTION COMPLETION.
- INSTALL MODULES AT ELEVATOR EQUIPMENT TO PROVIDE PRIMARY RECALL. SECONDARY RECALL, FIRE HAT AND SHUNT TRIP. PROVIDE PROGRAMMING AS NECESSARY FOR FUNCTION SYSTEM.
- FIRE ALARM ITEMS AND DEVICES ARE SHOWN IN SUGGESTED LOCATIONS. FINAL LAYOUTS, LOCATIONS, AND QUANTITIES SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND EQUIPMENT LISTINGS. COORDINATE LOCATIONS WITH LIGHTING AND AIR HANDLING SYSTEMS.
- ALL FIRE ALARM CIRCUITRY IN EXPOSED CEILING SPACES SHALL BE IN 3/4" CONDUIT PER SPECIFICATIONS. EXPOSED CABLING SHALL NOT BE ACCEPTED.
- ALL CONCEALED, ACCESSIBLE CEILING TILE LOCATIONS SHALL BE ALLOWED TO HAVE OPEN AIR CABLING INSTALLED. PROVIDE J-HOOKS, BRIDLE RINGS AND ASSOCIATED CABLE SUPPORTS TO KEEP INFRASTRUCTURE MANAGED AND OFF OF THE CEILING TILE.
- ELECTRICAL CONTRACTOR SHALL PROVIDE FIRESTOPPING AT ALL PENETRATIONS PER SPECIFICATION.

COMMUNICATION NOTES

- REUSE EXISTING POTS LINE IN THE ELEVATOR EQUIPMENT ROOM FOR THE ELEVATOR TELEPHONE. REVISE LOCATION AND EXTEND AS NECESSARY FOR NEW EQUIPMENT LOCATIONS.
- INSTALL NEW DATA CABLING FROM IDF LOCATIONS SHOWN ON PLANS TO ELEVATOR EQUIPMENT ROOM FOR NEW 2-WAY COMMUNICATION SYSTEM.

LIGHTING SYMBOLS	
	RECESSED LIGHT FIXTURE, LETTER INDICATES SWITCH LEG (TYPICAL), SHADING INDICATES EMERGENCY LIGHT (TYPICAL)
	ROUND APERTURE RECESSED DOWNLIGHT FIXTURE, ARROW INDICATES WALLWASH
	SURFACE MOUNTED STRIP FIXTURE
	LINEAR PENDANT MOUNTED FIXTURE
	INDUSTRIAL STRIP LIGHT FIXTURE
	WALL MOUNTED STRIP LIGHT FIXTURE.
	EMERGENCY LIGHT FIXTURE, WALL MOUNT, +96" OR AS NOTED
	EMERGENCY LIGHT FIXTURE, CEILING MOUNT
	EXIT SIGN, WALL MOUNT +96", SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS
	EXIT SIGN, CEILING MOUNT, SHADED AREAS INDICATE NUMBER OF FACES, ARROWS INDICATE SIGN ARROWS
	SINGLE POLE SWITCH, WALL MOUNT, LETTER INDICATES SWITCH LEG
	THREE WAY SWITCH, WALL MOUNT, LETTER INDICATES SWITCH LEG
	PILOT LIGHT SWITCH, WALL MOUNT, LETTER INDICATES SWITCH LEG
	DIMMER SWITCH, WALL MOUNT, LETTER INDICATES SWITCH LEG
	LIGHTING CONTROLS LOW VOLTAGE SWITCH, WALL MOUNT, LETTER INDICATES SWITCH LEG, REFER TO LIGHTING CONTROLS SCHEDULE
	EMERGENCY TRANSFER DEVICE

TECHNOLOGY RESPONSIBILITY MATRIX												
PROVISION RESPONSIBILITIES DEFINED												
	OFOW	OFCI	CFCI									
COMMUNICATIONS - TELECOM SYSTEMS:												
ROUGH-IN, PATHWAYS AND SLEEVES			●									
RACKS, FRAMES AND ENCLOSURES		REUSE EXISTING										
COPPER HORIZONTAL CABLING			●									
DATA COMMUNICATIONS SWITCHES AND HUBS		REUSE EXISTING										
SECURITY - ACCESS CONTROL:												
ROUGH-IN, PATHWAYS AND SLEEVES			●									
SECURITY MANAGEMENT SYSTEM - HEAD END COMPONENTS	●											
SECURITY MANAGEMENT SYSTEM - FIELD DEVICES	●											
SECURITY MANAGEMENT SYSTEM - ELECTRIFIED DOOR HARDWARE			●									
SECURITY MANAGEMENT SYSTEM - ALL CABLING	●											
SECURITY - VIDEO SURVEILLANCE:												
ROUGH-IN, PATHWAYS AND SLEEVES	N/A	N/A	N/A									
CAMERA(S)	N/A	N/A	N/A									
HEAD END EQUIPMENT AND COMPONENTS	N/A	N/A	N/A									
SAFETY - FIRE DETECTION AND ALARM:												
ROUGH-IN, PATHWAYS AND SLEEVES			●									
INITIATING FIELD DEVICES (SMOKE, MANUAL PULL, MONITOR MODULES)			●									
NOTIFICATION APPLIANCES (HORNS, STROBES, SPEAKERS)			●									
MISCELLANEOUS DEVICES (RELAYS, TEST STATION, ANNUNCIATOR)			●									
<table><tr><td>●</td><td>OFOW</td><td>OWNER FURNISHED & OWNER INSTALLED</td></tr><tr><td>●</td><td>OFCI</td><td>OWNER FURNISHED & CONTRACTOR INSTALLED</td></tr><tr><td>●</td><td>CFCI</td><td>CONTRACTOR FURNISHED & CONTRACTOR INSTALLED</td></tr></table>				●	OFOW	OWNER FURNISHED & OWNER INSTALLED	●	OFCI	OWNER FURNISHED & CONTRACTOR INSTALLED	●	CFCI	CONTRACTOR FURNISHED & CONTRACTOR INSTALLED
●	OFOW	OWNER FURNISHED & OWNER INSTALLED										
●	OFCI	OWNER FURNISHED & CONTRACTOR INSTALLED										
●	CFCI	CONTRACTOR FURNISHED & CONTRACTOR INSTALLED										
<u>GENERAL NOTE:</u>												
A. MATRIX IS NOT INTENDED TO BE EXHAUSTIVE TO COVER ALL MATERIALS NECESSARY FOR SCOPE AND SHOULD ONLY BE USED TO QUICKLY IDENTIFY SYSTEMS AND RELATED INFRASTRUCTURE INSIDE AND OUTSIDE THE BID OF THIS PROJECT. ANY ITEMS FURNISHED OR INSTALLED BY THE BIDDING CONTRACTOR SHALL COVER ALL REQUIRED APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. THIS SHALL INCLUDE BUT NOT BE LIMITED TO, EQUIPMENT, ACCESSORIES, TERMINATIONS, TERMINATION COMPONENTS, ALL FINAL CORDAGE CONNECTIVITY, SOFTWARE, PROGRAMMING, AND THE LABOR TO INSTALL.												
B. ACCESS CONTROL VENDOR TO INSTALL CABLING, FIELD DEVICES, ETC. COORDINATE EXACT DEVICE LOCATIONS AND PATHWAYS WITH VENDOR AND CM ONSITE.												

GENERAL SYMBOLS	
	JUNCTION BOX, CEILING OR FLOOR MOUNTED.
	JUNCTION BOX, WALL MOUNTED, ELEVATION AS NOTED.
	KEYNOTE
	EQUIPMENT IDENTIFICATION TAG. REFER TO EQUIPMENT CONNECTION SCHEDULE
	DETAIL DRAWING REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	SECTION CUT REFERENCE TAG, SIM-SIMILAR, TYP-TYPICAL, OPP-OPPOSITE SHEET REFERENCE
	INTERIOR ELEVATION DRAWING REFERENCE TAG
	DRAWINGS REVISION. REFER TO TITLEBLOCK FOR REVISION NAME AND DATE

POWER SYMBOLS	
	SINGLE RECEPTACLE, WALL MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED, TAMPER-RESISTANT
	DUPLEX GFCI RECEPTACLE, TAMPER-RESISTANT, WALL MOUNT, PROTECTION INCLUDED IN DEVICE.
	DUPLEX GFCI WEATHER RESISTANT RECEPTACLE WITH WEATHER-PROOF IN-USE COVER, TAMPER-RESISTANT, WALL MOUNT
	EQUIPMENT CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE. REFER TO PANEL SCHEDULES FOR GFCI PROTECTION WHERE REQUIRED
	MOTOR CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE. REFER TO PANEL SCHEDULES FOR GFCI PROTECTION WHERE REQUIRED
	EQUIPMENT CONNECTION, WALL MOUNT, REFER TO EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION TYPE. REFER TO PANEL SCHEDULES FOR GFCI PROTECTION WHERE REQUIRED
	SAFETY DISCONNECT SWITCH
	SURGE PROTECTIVE DEVICE
	PANELBOARD - SURFACE MOUNTED
	PANELBOARD - RECESSED IN WALL
	DISTRIBUTION PANELBOARD/SWITCHBOARD - SURFACE MOUNTED AS NOTED.

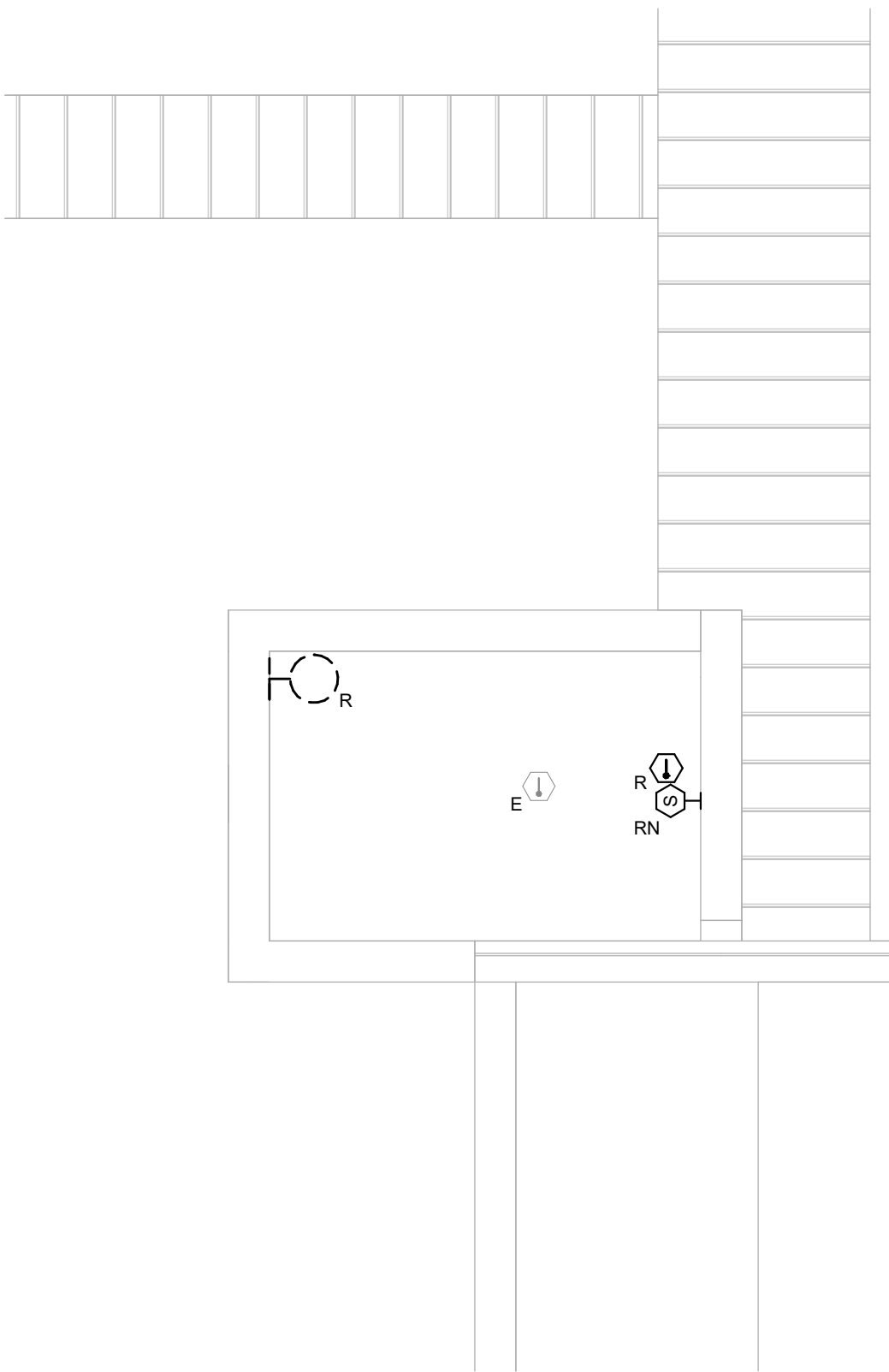
FIRE DETECTION AND ALARM SYMBOLS	
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL + EMERGENCY COMMUNICATIONS PANEL
	CARBON MONOXIDE DETECTOR
	COMBINATION CARBON MONOXIDE / SMOKE DETECTOR
	HEAT DETECTOR
	SMOKE DETECTOR
	DUCT SMOKE DETECTOR
	HORN
	COMBINATION HORN WITH STROBE
	COMBINATION SPEAKER WITH STROBE
	STROBE
	SPEAKER
	SMOKE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	ADDRESSABLE INPUT MODULE: FS - SPRINKLER WATER FLOW SWITCH, TS - TAMPER SWITCH, PIV - POST INDICATOR VALVE
	ADDRESSABLE OUTPUT MODULE: SD - FAN SHUT DOWN RELAY, AM - AUDIO MUTE

REVISIONS

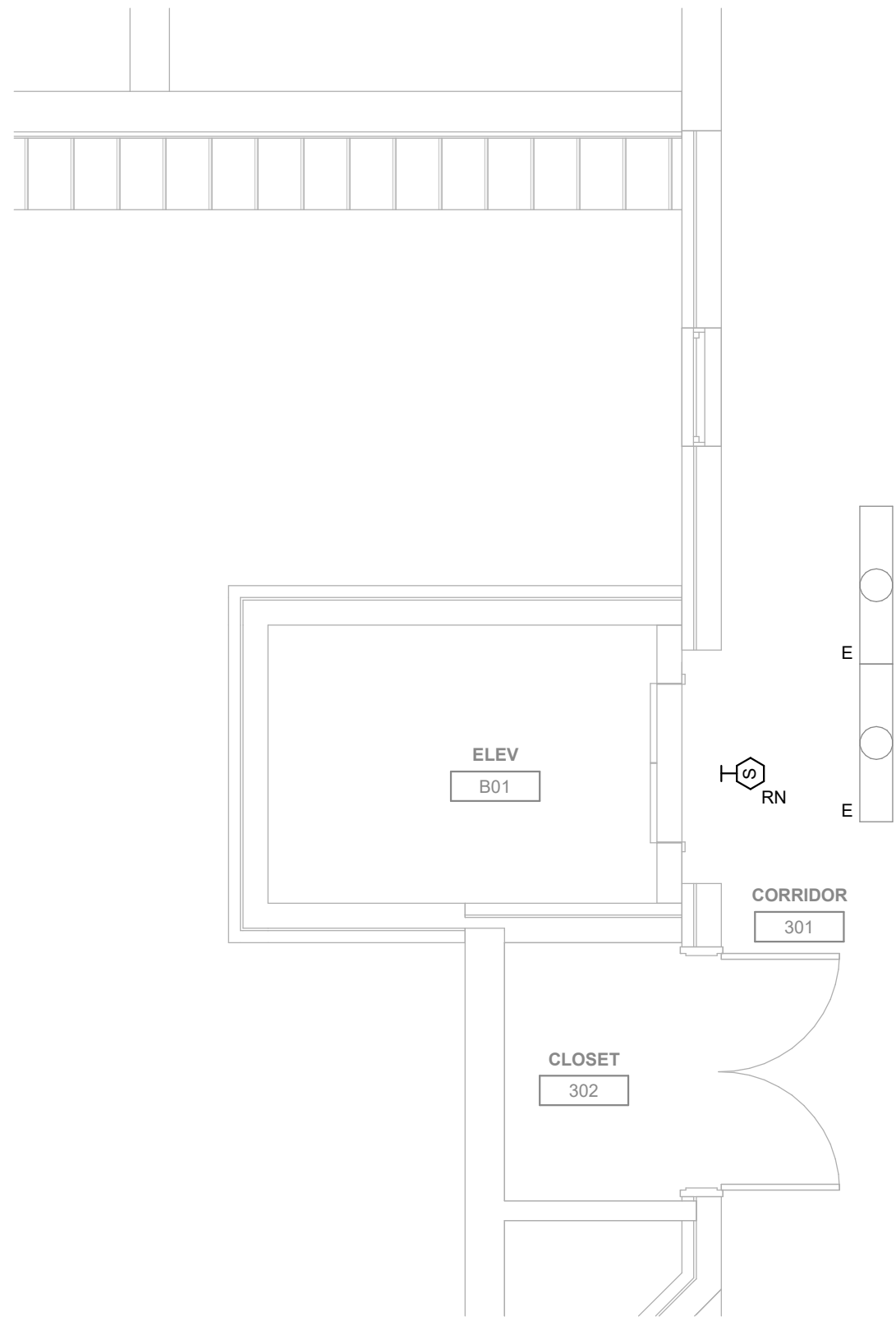
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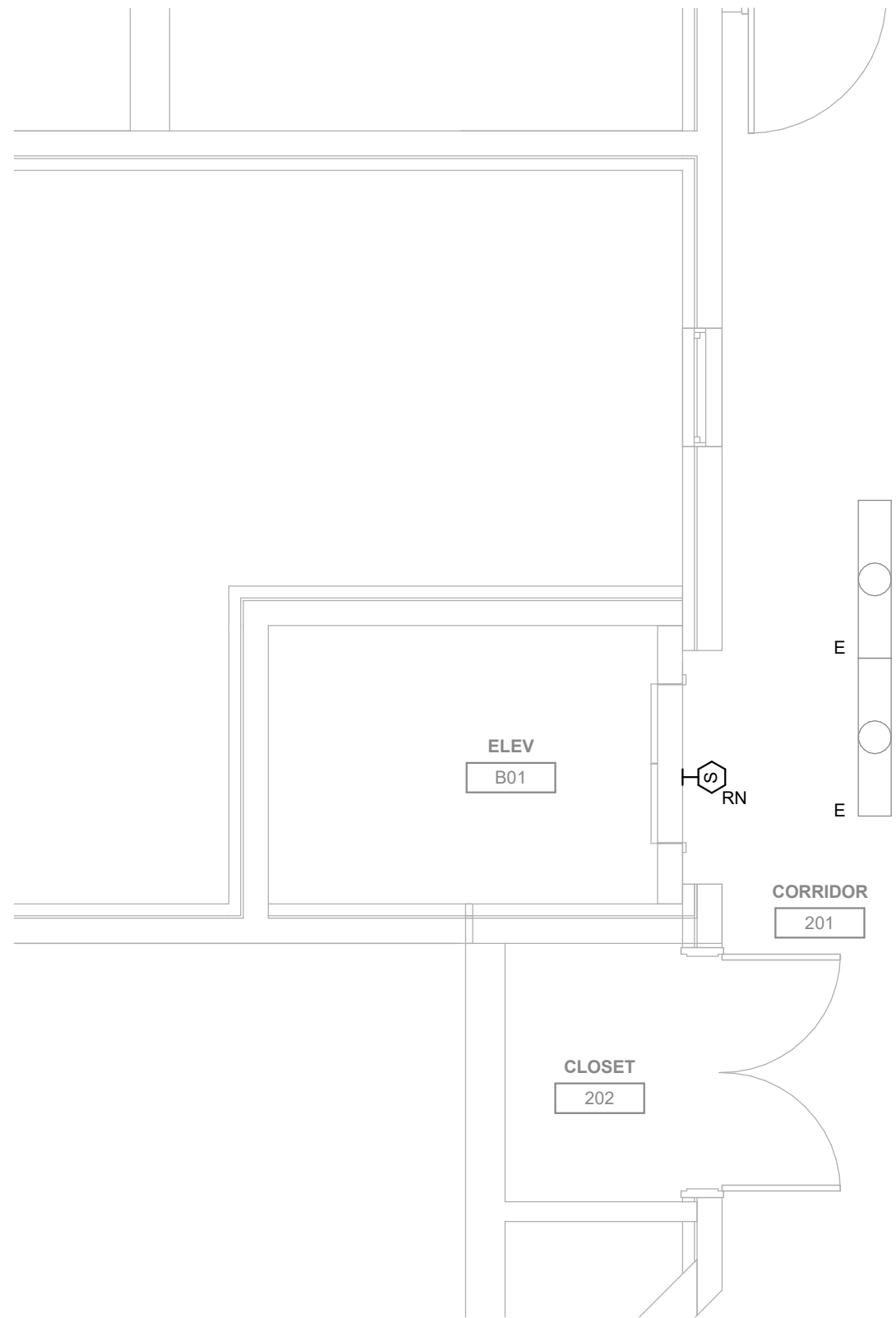
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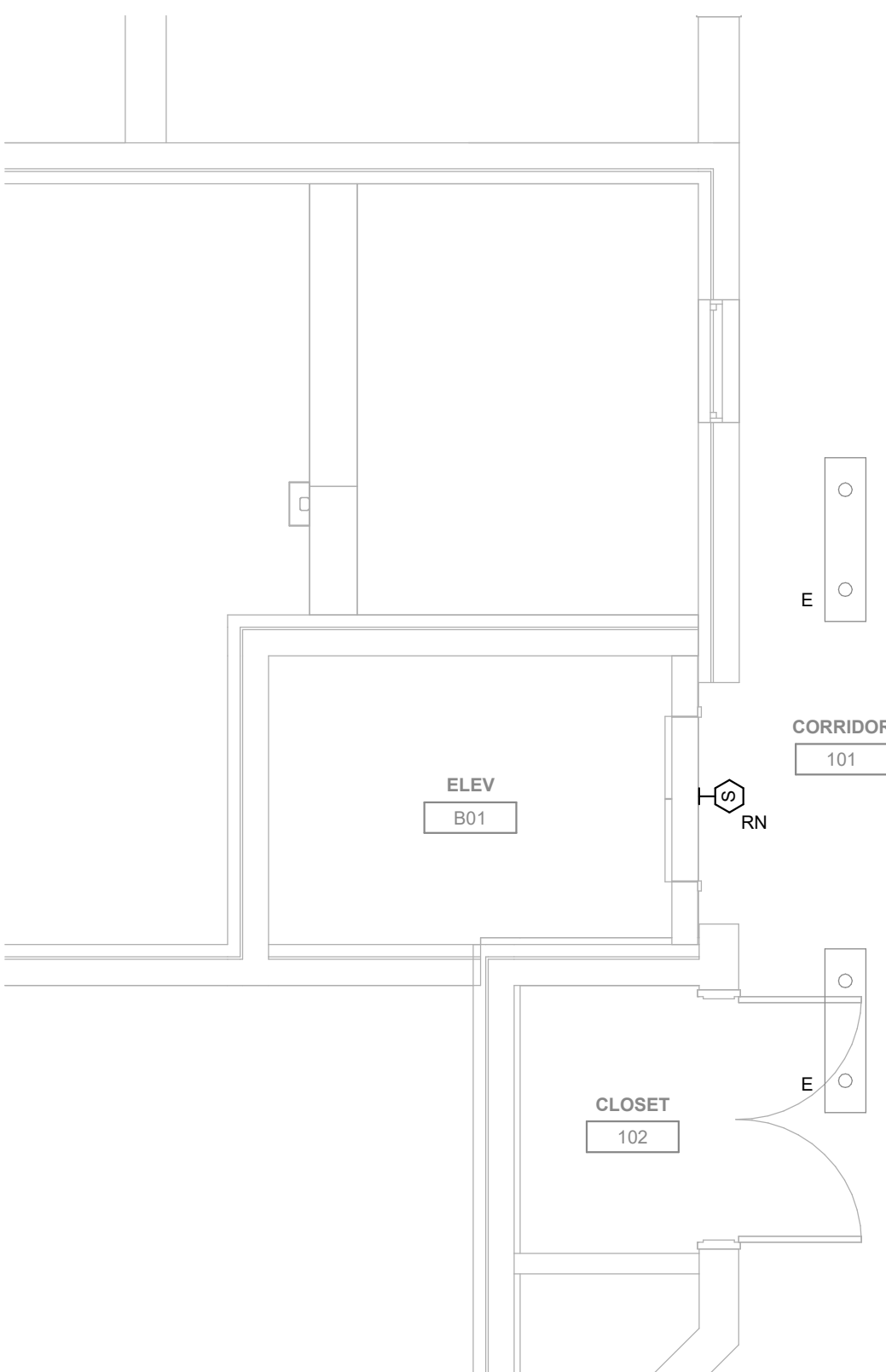
1 ROOF DEMO PLAN
1/4" = 1'-0"



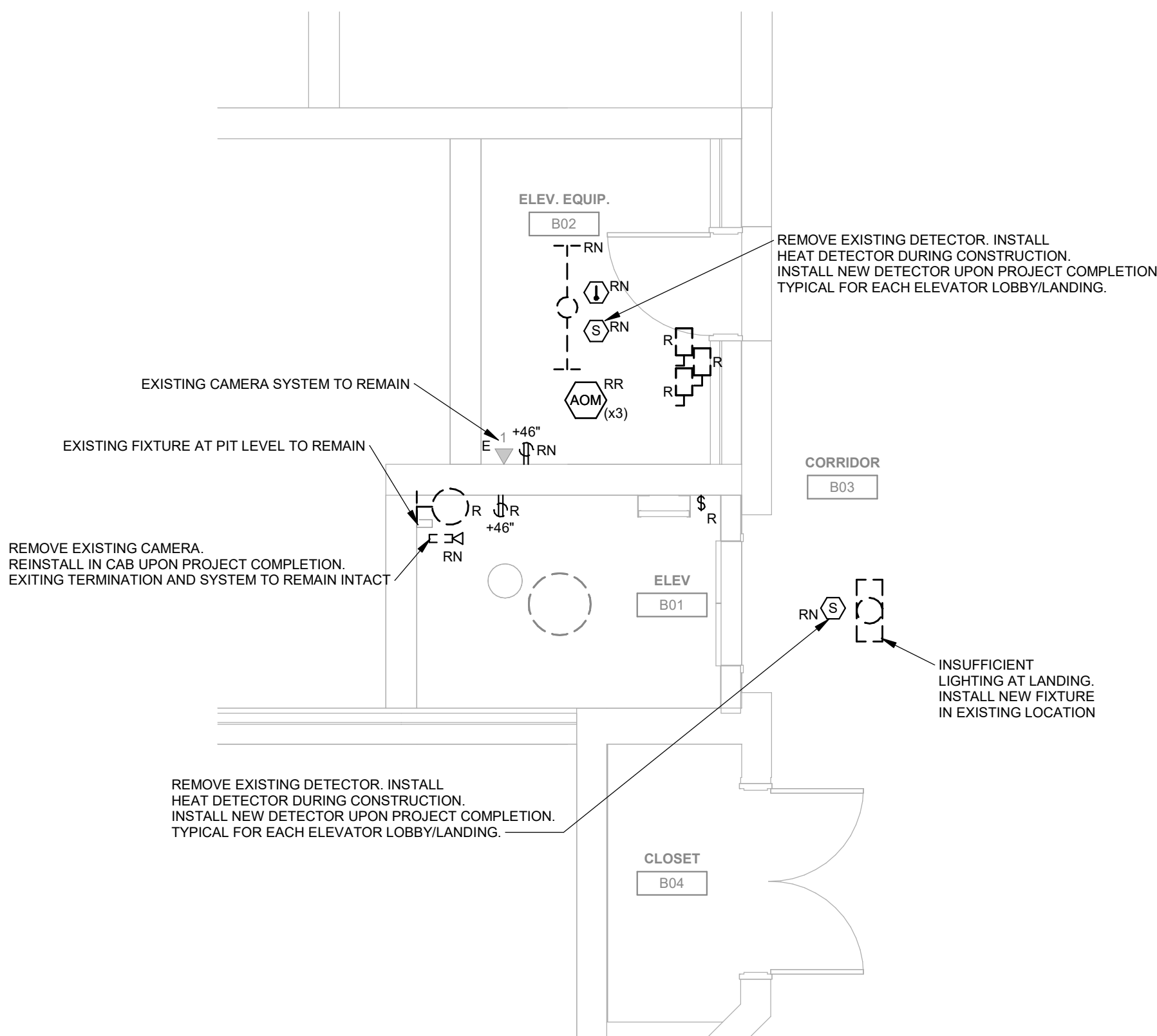
2 THIRD FLOOR DEMO PLAN
1/4" = 1'-0"



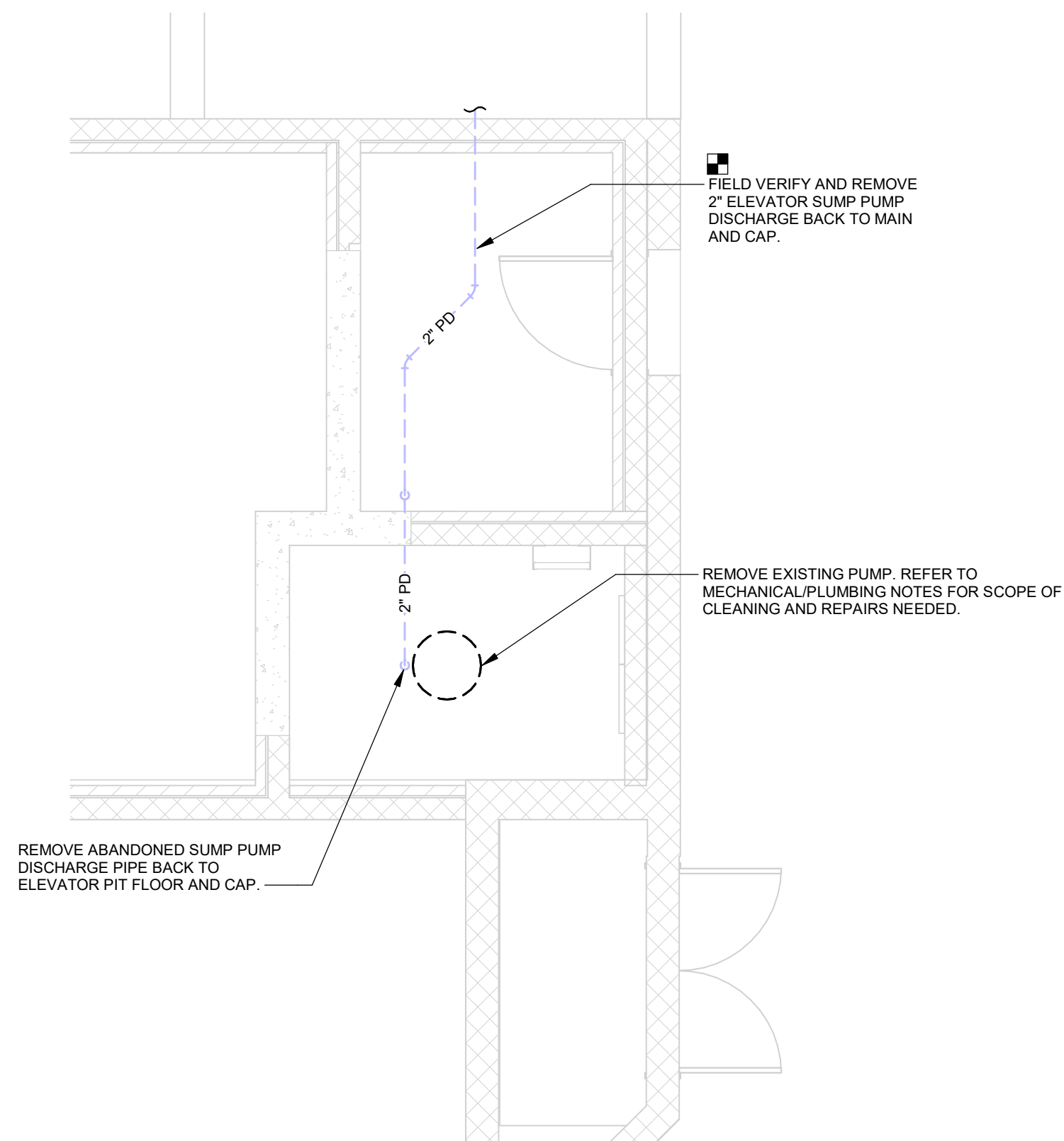
3 SECOND FLOOR DEMO PLAN
1/4" = 1'-0"



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



5 BASEMENT DEMO PLAN
1/4" = 1'-0"



6 BASEMENT PLAN - MECH DEMO
1/4" = 1'-0"

ELECTRICAL DEMOLITION NOTES

- DEMOLITION DRAWINGS PRESENT LAYOUT OF EXISTING CONDITIONS AND MAJOR MECHANICAL/ELECTRICAL ITEMS. FIELD VERIFY EXISTING CONDITIONS AND BECOME FAMILIAR WITH EXISTING ELECTRICAL SYSTEM AND DEMOLITION SCOPE BEFORE WORK BEGINS.
- ADDITIONAL COMPONENTS MAY EXIST WHICH ARE NOT SHOWN. HANDLE SUCH ITEMS IN A MANNER SIMILAR TO THOSE ITEMS WHICH ARE SHOWN.
- REMOVE ELECTRICAL FACILITIES AND CLEAR THE AREA TO RECEIVE THE NEW WORK.
 - REMOVE ALL CONDUIT, WIRE, BOXES, ETC., AS REQUIRED BY WALL AND CEILING DEMOLITION.
 - IDENTIFY THE LOCATION OR ITEMS SERVED FOR ALL DISCONNECTED BRANCH CIRCUITS. BEFORE DEMOLITION, MAINTAIN CIRCUITS SERVING AREAS BEYOND THE DEMOLITION AREA.
 - REMOVE AND REINSTALL CEILING TILES AS REQUIRED TO REMOVE THE ELECTRICAL FACILITIES NOTED. REPLACE CEILING TILES DAMAGED DURING DEMOLITION.
 - KEEP EXISTING SYSTEMS OPERATIONAL DURING ALL PHASES OF CONSTRUCTION UNLESS NECESSARY FOR DEMOLITION.
 - OBTAIN OWNER'S PERMISSION TO SHUT OFF SERVICES OR SYSTEMS WHICH MAY AFFECT OTHER AREAS BEYOND DEMOLITION AREA. INFORM OWNER AS TO THE REASON FOR AND THE DURATION OF THE SHUTDOWN.
 - REPAIR AT CONTRACTORS EXPENSE ANY DAMAGED CONDUIT OR WIRE NOT IDENTIFIED FOR DEMOLITION.
 - INSTALL BLANK COVERPLATES/COVERS OVER OPENINGS AT REMOVED DEVICE LOCATIONS.
- ALL WIRING FOR REMODELED AREAS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROTECT EXISTING DEVICES IDENTIFIED TO REMAIN OR BE RELOCATED. IF AN EXISTING DEVICE CANNOT BE REINSTALLED NOTIFY DESIGN TEAM DURING DEMOLITION. REPLACE FUNCTIONING ITEMS DAMAGED DURING DEMOLITION.
- REMOVED/DEMOLISHED EQUIPMENT REMAINS THE PROPERTY OF THE OWNER UNLESS OTHERWISE NOTED. VERIFY OWNERS SALVAGE SELECTIONS AND DISPOSE ALL OTHER MATERIALS.
- PLAN ABBREVIATIONS:
 - E - EXISTING ITEM TO REMAIN
 - ER - NEW LOCATION OF EXISTING ITEM
 - N - NEW ITEM IN EXISTING LOCATION
 - R - EXISTING ITEM TO BE REMOVED, PATCH AND/OR COVER
 - RN - REPLACE EXISTING WITH NEW
 - RR - EXISTING ITEM TO BE REMOVED AND RELOCATED

REVISIONS

NO.	DESCRIPTION	DATE

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1 ROOF CONNECTING
1/4" = 1'-0"

3 THIRD FLOOR PLAN
1/4" = 1'-0"

4 SECOND FLOOR PLAN
1/4" = 1'-0"

5 FIRST FLOOR PLAN
1/4" = 1'-0"

6 BASEMENT PLAN
1/4" = 1'-0"

7 BASEMENT PLAN - MECH
1/4" = 1'-0"

2 BASEMENT AREA ELECTRICAL PLAN
1/16" = 1'-0"

POWER GENERAL NOTES

- A. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- B. COORDINATE ELECTRICAL REQUIREMENTS FOR MECHANICAL UNITS WITH MECHANICAL CONTRACTOR AND FINAL MECHANICAL SHOP DRAWINGS.
- C. PROVIDE PENETRATIONS REQUIRED FOR ROUTING RACEWAYS THROUGH THE BUILDING. COORDINATE FIRE RATED WALL PENETRATIONS AND PROVIDE CONDUIT SLEEVES AND FIRE STOPPING TO MAINTAIN RATING.

LIGHTING GENERAL NOTES

- A. COORDINATE LOCATION/INSTALLATION OF MECHANICAL AND ELECTRICAL WORK WITH ALL OTHER TRADES. NO ASPECT OF A SYSTEM INSTALLATION OR ITS ROUGH-IN SHALL COMMENCE UNTIL PROPER AND TIMELY COORDINATION WITH ALL TRADES ASSOCIATED WITH THE INSTALLATION HAS TRANSPIRED. ITEMS TO BE COORDINATED SHALL INCLUDE BUT NOT BE LIMITED TO: BUILDING STRUCTURE, SHEET METAL, ALL PIPING SYSTEMS, LIGHT FIXTURES, CONDUITS, CABLE TRAYS, ETC. REFER TO ALL GENERAL MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- B. UNLESS NOTED OTHERWISE, CONNECT ALL EMERGENCY BATTERY FIXTURES WITH AN UN-SWITCHED LEG OF THE LIGHTING CIRCUIT THAT SERVES THE FIXTURES SPACE. MAINTAIN NORMAL SWITCHING SCHEME OF EMERGENCY FIXTURES UNDER NORMAL OPERATION.

COORDINATE DOWNTIME OF DISTRIBUTION PANEL WITH DCI GROUP AND OWNER A MINIMUM OF 7 DAYS IN ADVANCE. CONTRACTOR IS ALLOWED UP TO (1) 2 HOUR SHUTDOWNS OF THE DISTRIBUTION PANEL DURING THE COURSE OF CONSTRUCTION. SHUTDOWNS TO TAKE PLACE BETWEEN THE HOURS OF 5AM AND 7AM ON A WEEKDAY.



8 DISTRIBUTION PANEL
NOT TO SCALE

REVISIONS

NO.	DESCRIPTION	DATE

IF THIS DRAWING IS NOT 30"x42" IT IS NOT TO SCALE

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PANEL LABEL: EL				LOCATION: ELEV. EQUIP. B02				VOLTAGE: 208Y/120				SCCR RATING: 10,000			
SUPPLY FROM:				PHASES: 3				MAINS TYPE: MLO							
MOUNTING: SURFACE				WIRES: 4				MAINS RATING: 225 A							
ENCLOSURE: TYPE 1															

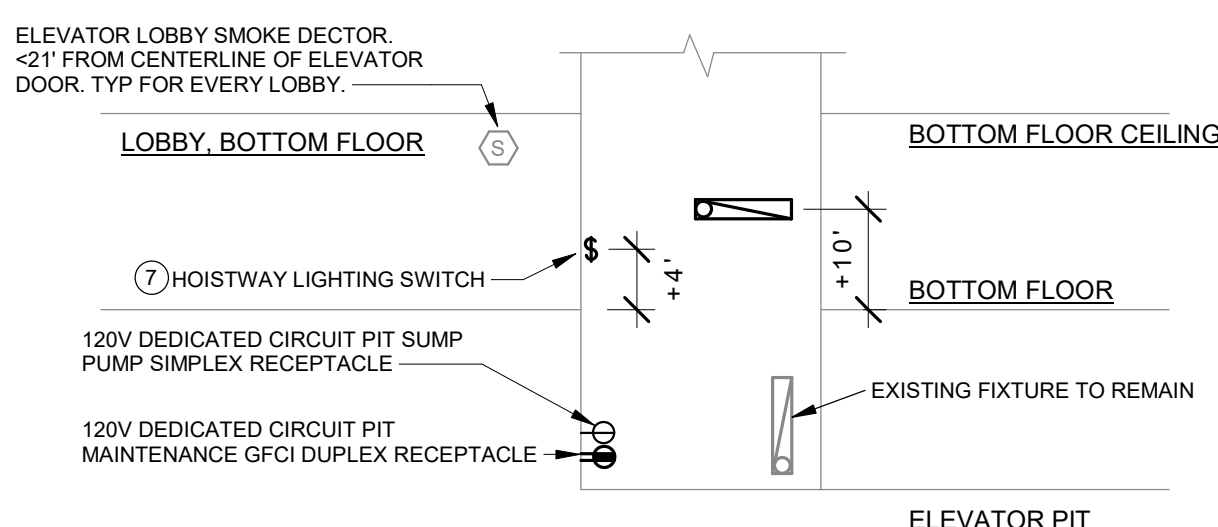
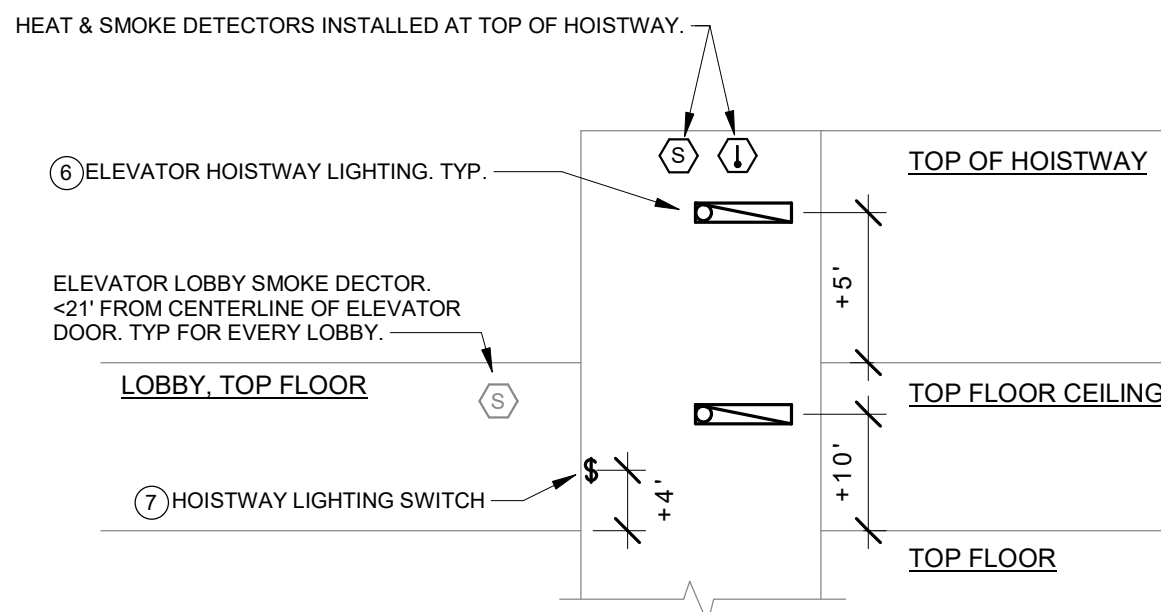
NOTES:
SUBFEED BREAKER IN PANEL FOR 150A ELEVATOR BREAKER. VERIFY BREAKER SIZE WITH MANUFACTURER OF ELEVATOR.

CIRCUIT DESCRIPTION	P	AMP	CKT NO	A	B	C	CKT NO	AMP	P	CIRCUIT DESCRIPTION
LIGHTING	1	20 A	1	175	0		2	20 A	1	ELEVATOR CAB
RECEPTACLE	1	20 A	3		180	0	4	20 A	1	ELEVATOR 2-WAY COMM
RECEPTACLE	1	20 A	5			180	0	6		
LIGHTING	1	20 A	7	37	0		8	20 A	~ 3	INTEGRAL SPD
SUMP PUMP RECEPTACLE	1	20 A	9		90	0	10			
RECEPTACLE	1	20 A	11			180	12			
SSO-1, SSI-1	2	35 A	13	2080			14			
			15		2080		16			
SPARE	1	~ 20 A	17			0	18			
SPARE	1	~ 20 A	19	0	5000		20			
SPARE	1	~ 20 A	21		0	5000	22	150 A	~ 3	ELEVATOR
SPARE	1	~ 20 A	23			0	5000	24		
				7,292 VA	7,350 VA	5,360 VA				
				63 A	64 A	45 A				

LEGEND:
"G" INDICATES GFCCI TYPE BREAKER, "L" INDICATES PROVIDE LOCK-ON HASP
"F" INDICATES RED LOCK-ON HASP

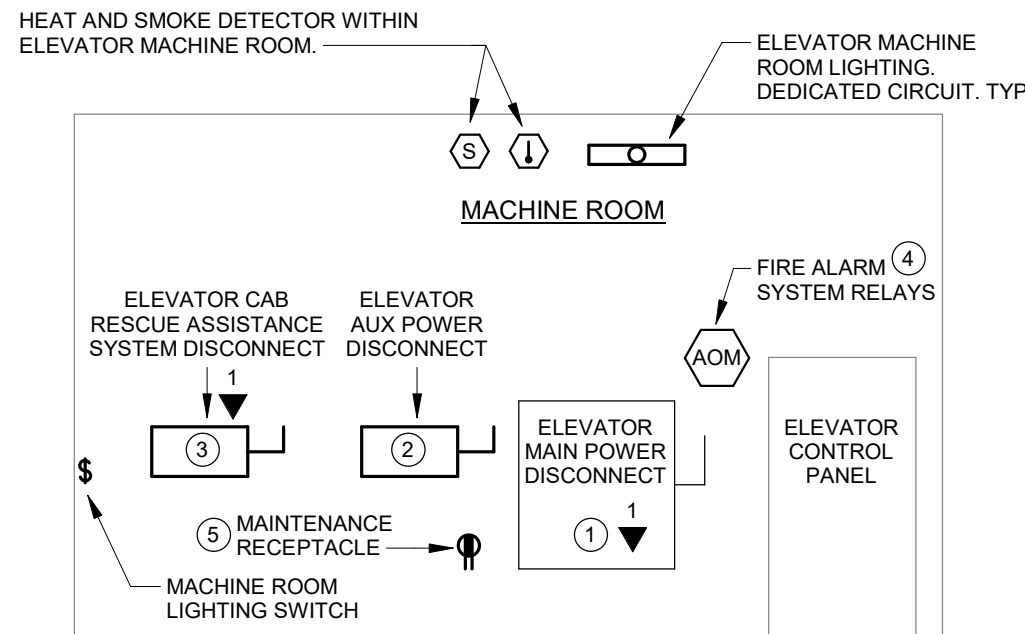
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Lighting	212 VA	125.00%	264 VA	
Power	4,160 VA	100.00%	4,160 VA	TOTAL CONN. LOAD: 5,002 VA
Receptacle	630 VA	100.00%	630 VA	TOTAL EST. DEMAND: 5,054 VA
Spare	15,000 VA	100.00%	15,000 VA	TOTAL CONN.: 14 A
				TOTAL EST. DEMAND: 14 A

NOTES:



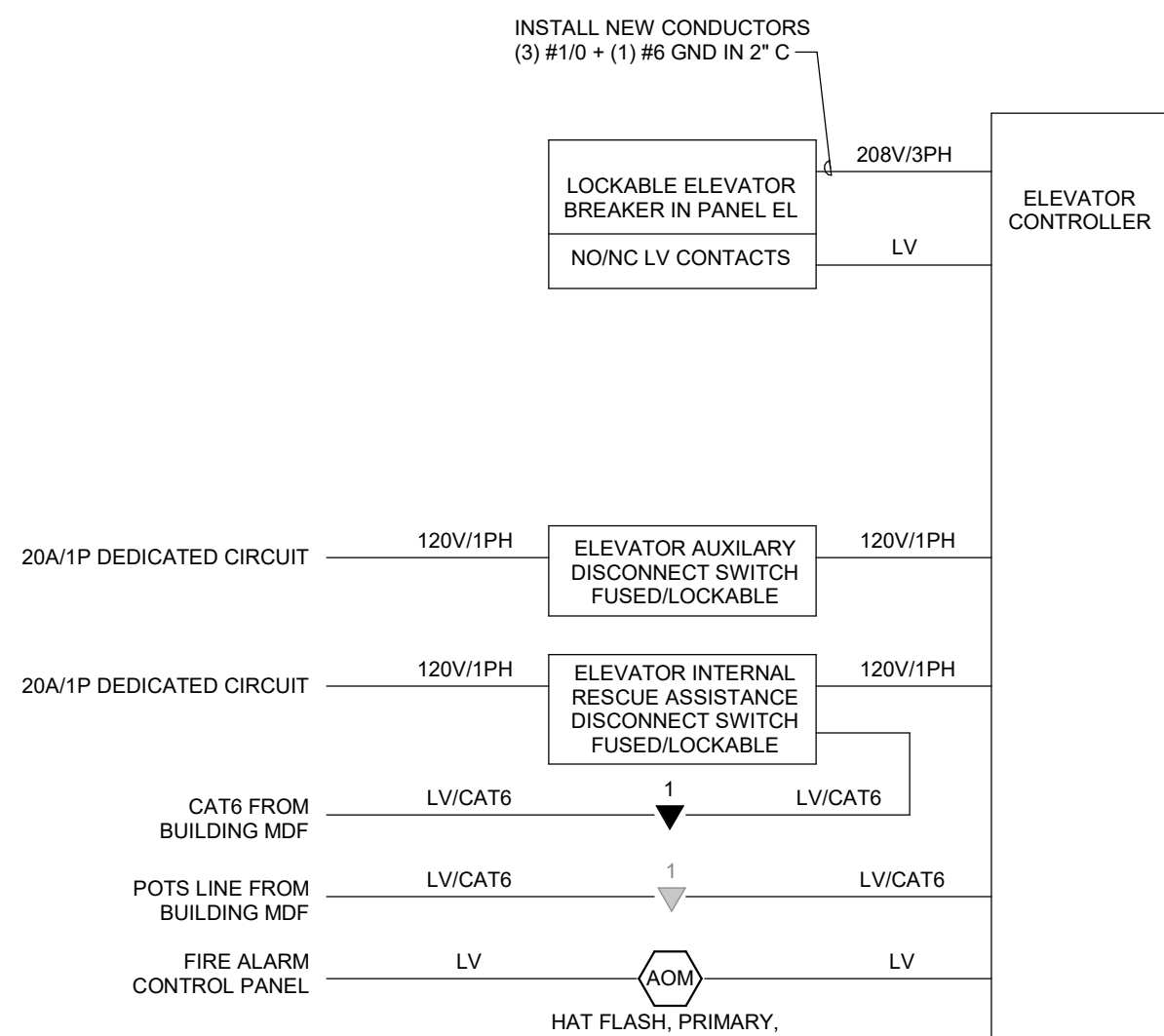
TYPICAL ELEVATOR HOISTWAY ELEVATION

③ ELEVATOR SYSTEM DETAIL
NOT TO SCALE



TYPICAL ELEVATOR MACHINE ROOM

④ ELEVATOR SYSTEM DETAIL
NOT TO SCALE



TYPICAL ELEVATOR SYSTEMS WIRING DIAGRAM

DEDICATED 20A/1P CIRCUIT	120V/1PH	HOISTWAY LIGHTING
DEDICATED 20A/1P CIRCUIT	120V/1PH	MACHINE ROOM LIGHTING
DEDICATED 20A/1P CIRCUIT	120V/1PH	PIT GFCI DUPLEX
DEDICATED 20A/1P CIRCUIT	120V/1PH	MACHINE ROOM GFCI DUPLEX
DEDICATED 20A/1P CIRCUIT	120V/1PH	PIT SUMP PUMP SIMPLEX
DEDICATED 208V-35A/2P CIRCUIT	208V/1PH	MACHINE ROOM HVAC

LIGHTING FIXTURE SCHEDULE											
NOTES: 1. ALL FIXTURES SHALL BE U.L. OR SIMILARLY LISTED. 2. INCLUDE A MINIMUM 5 YEAR WARRANTY FOR LIGHTING FIXTURES, WHERE NOT OTHERWISE SPECIFIED. 3. REFER TO ARCHITECTURAL DOCUMENTS FOR EXACT MOUNTING LOCATIONS, DETAILS, AND CONFIGURATIONS OF ALL LUMINAIRES. IF ARCHITECTURAL DRAWINGS DO NOT CLARIFY EXACT MOUNTING LOCATION OR DETAIL, ISSUE AN RFI FOR ARCHITECT TO SPECIFICALLY CLARIFY PRIOR TO FIXTURE ROUGH-IN. 4. VERIFY COMPATIBILITY OF LIGHT FIXTURES WITH ARCHITECTURAL CEILING PLAN, MATERIALS, ADJACENT CONSTRUCTION, AND ADJACENT FINISHES PRIOR TO SHOP DRAWINGS SUBMITTAL. ADJUST FIXTURE TYPE, CONSTRUCTION, FLANGE. 5. CONTRACTOR IS RESPONSIBLE FOR ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL AND SUPPORT THE LUMINAIRES. 6. AIM AND TARGET ADJUSTABLE INTERIOR AND EXTERIOR LIGHT FIXTURES UNDER THE OBSERVATION AND IN COMPLIANCE WITH RECOMMENDATIONS OF THE ARCHITECT. INCLUDE LABOR AND MATERIAL COSTS MADE NECESSARY BY THIS REQUIREMENT. 7. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND FILLING OUT ALL UTILITY REBATE FORMS FOR OWNER.											
DESIGNED BY: EDH											
TYPE	MANUFACTURER	MODEL	DESCRIPTION	FINISH	LUMENS	CRI	DRIVER TYPE	SOURCE CCT	VOLTAGE	LOAD-VA	APPROVED EQUALS
E1	HUBBELL	DUAL-LITE	LZ-24-03L	UNIVERSAL MOUNTING EMERGENCY UNIT, ADJUSTABLE DUAL HEAD, LEAD-CALCIUM MAINTENANCE-FREE BATTERY, SELF-DIAGNOSTICS	WHITE	N/A	LED	LED	120 V	2 VA	SURE-LITES, LIGHTALARMS
F1	LITHONIA	CSVLT L48 5000LM MVOLT 40K 80CRI	UTILITY STRIP FIXTURE 4'; WET LISTED, GASKETED, POLYCARB LENS, MULTI-VOLT REQUIRED	WHITE	5000	80	LED	LED - 4000K	120 V	35 VA	COOPER, CURRENT
F2	LITHONIA	CSVLT L48 5000LM MVOLT 40K 80CRI	SAME AS F1 BUT WALL MOUNTED	WHITE	5000	80	LED	LED - 4000K	120 V	35 VA	COOPER, CURRENT

EQUIPMENT CONNECTION SCHEDULE												
ABBREVIATIONS:						NOTES:						
1	NEMA 1 ENCLOSURE					INT	INTEGRAL WITH EQUIPMENT FROM FACTORY					
3R	NEMA 3R ENCLOSURE					MS	MANUAL MOTOR STARTER W/ THERMAL OVERLOAD					
4	NEMA 4 ENCLOSURE					NFD	NON-FUSED DISCONNECT SWITCH- HEAVY DUTY					
4X	NEMA 4X ENCLOSURE					PMS	PULSE FUSE WITH INTEGRATED SWITCH					
BO	PROVIDED BY OTHERS					RF	RETURN AIR DUCT DETECTOR					
CB	CIRCUIT BREAKER IN PANEL					RSR	RUN STATUS RELAY, NORMALLY OPEN					
CSD	COMBINATION STARTER/DISCONNECT					SS	SUPPLY AIR DUCT DETECTOR					
CP	CORD AND PLUG PROVIDED WITH UNIT					SPD	START/STOP PUSHBUTTON WITH PILOT					
ECB	ENCLOSED CIRCUIT BREAKER					SS	START/STOP PUSHBUTTON					
F	FIRE ALARM SHUTDOWN RELAY					ST	SHUNT TRIP					
FD	FUSED DISCONNECT SWITCH, HEAVY DUTY					TOR	TIME DELAY OFF RELAY					
GF	GROUND FAULT CIRCUIT INTERRUPTION					TS	TOGGLE SWITCH					
HOA	HAND-OFF-AUTO					VFD	VARIABLE FREQUENCY DRIVE					
ELECTRICAL CHARACTERISTICS						DISCONNECT		CONTROLS				
TAG	VOLTAGE	PHASE	MOTOR HP	KW	MCA	TYPE	SIZE (AMPS)	NEMA RATING	FUSE SIZE (AMPS)	STARTER	DESCRIPTION	REMARKS
SS01	208 V1	-	-	-	-	TSP	20	3R	-	-	-	-
SS01	208 V1	-	-	-	-	NED	30	3R	-	-	-	-

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE	
REFERENCE	SSO-1
MANUFACTURER	MITSUBISHI
MODEL #	PUY-AH24NL
SERVICES	SSI-1
WEIGHT (LBS)	155
DIMENSIONS W/ CURB & ACCESSORIES - L x W x H (INCHES)	37 x 14 x 38
NOMINAL CAPACITY (TONS)	2.00
COOLING CAPACITY - RATED (BTU/H)	24,000
HEATING CAPACITY - RATED (BTU/H)	N/A
REFRIGERANT TYPE	R454B
COMPRESSOR QUANTITY	1
EFFICIENCY - SEER2	21.1
ELECTRICAL DATA	
VOLTAGE - PH	208 - 1
MCA	22
MOCP	37
NOTES	1,2,3,4

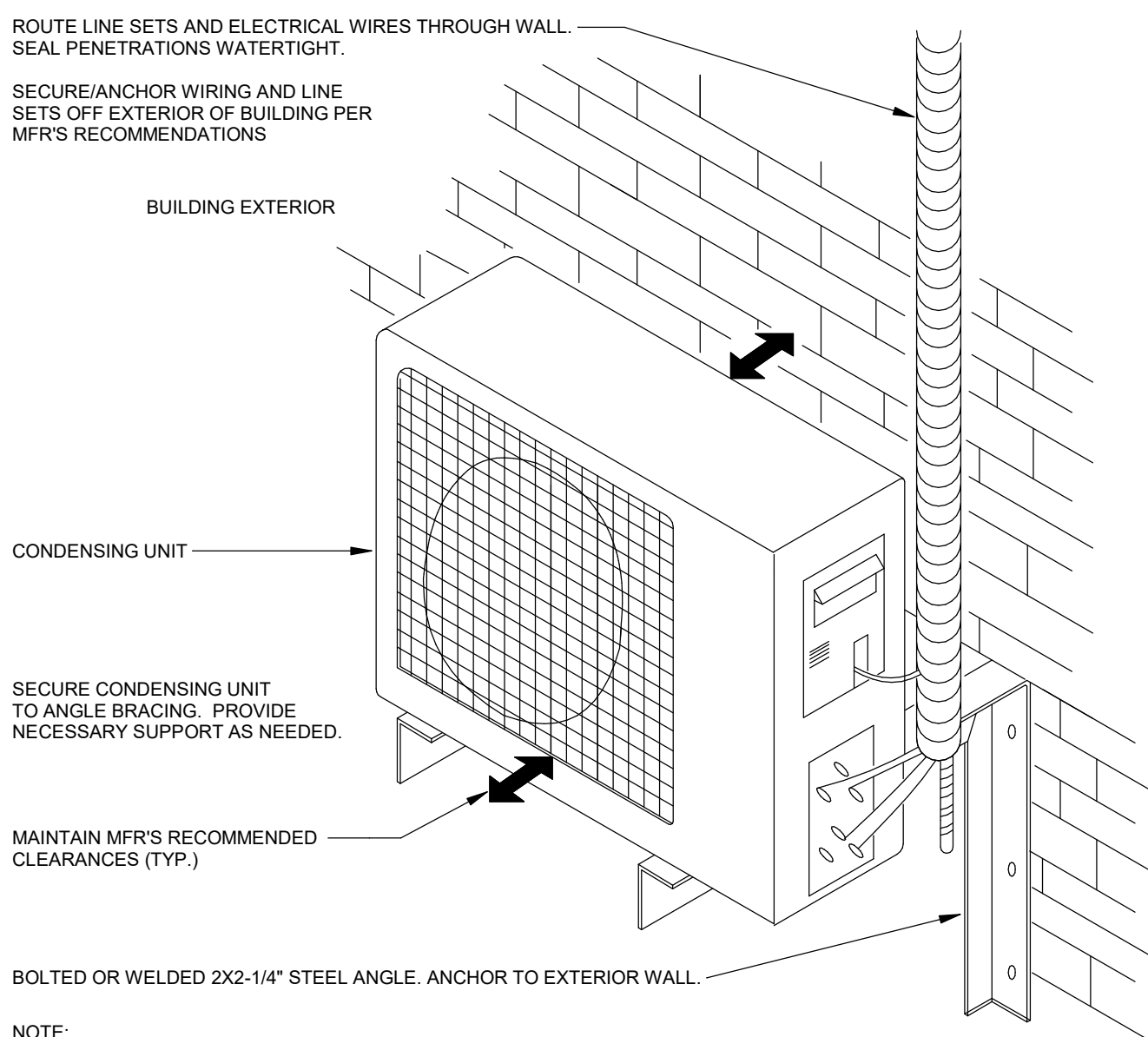
NOTES:

1. DISCONNECT SHALL BE PROVIDED / INSTALLED BY E.C.
2. UNIT TO BE MOUNTED ON EXTERIOR SIDEWALL. REFER TO INSTALLATION DETAIL ON PLANS.
3. REFER TO SPLIT SYSTEM INDOOR UNIT SCHEDULE FOR CAPACITY RATING CONDITIONS.
4. SYSTEM REQUIRES LOW AMBIENT AIR COOLING OPERATION (-20 °F), PROVIDE LOW AMBIENT WIND BAFFLES, SNOW AND HAIL GUARDS.

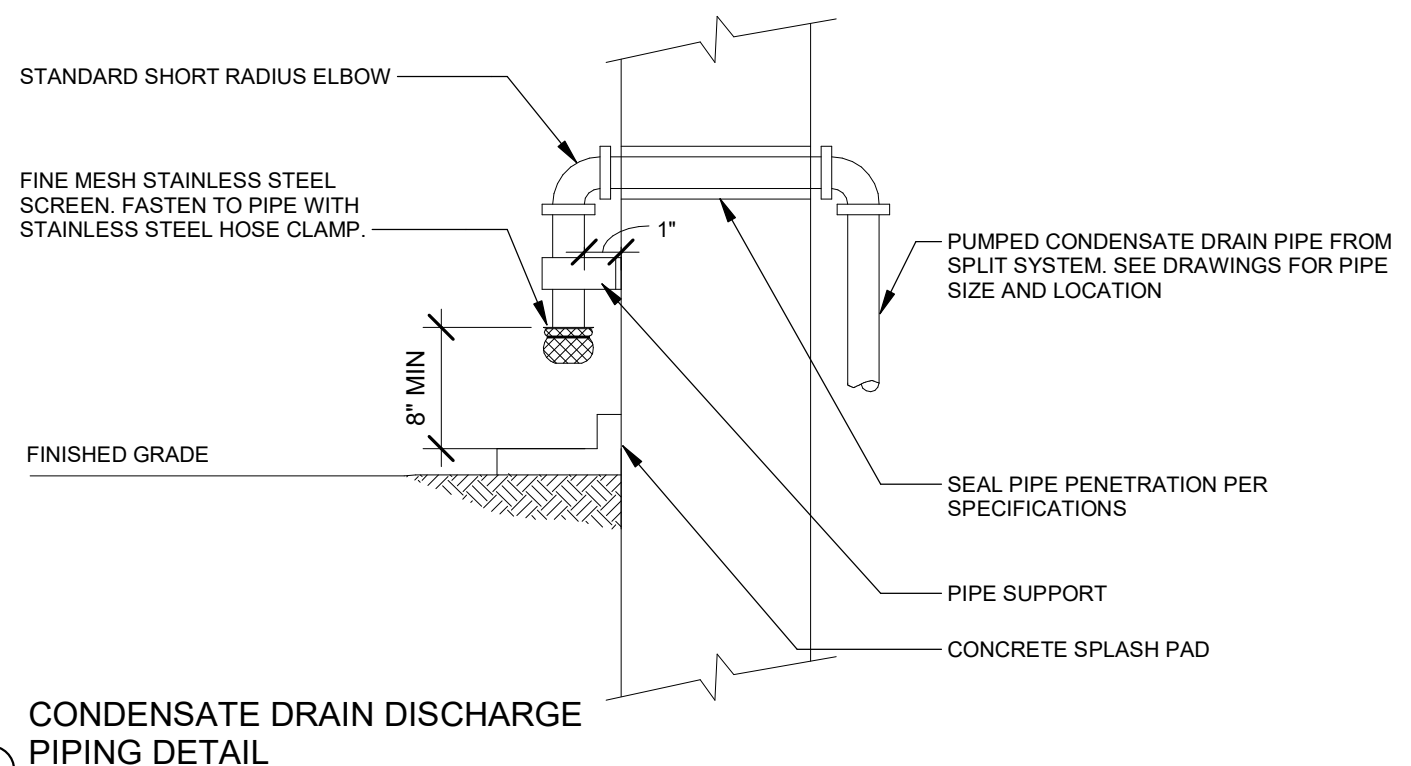
SPLIT SYSTEM INDOOR UNIT SCHEDULE	
REFERENCE	SSI-1
MANUFACTURER	MITSUBISHI
MODEL #	PKA-A24NL
TYPE	WALL MOUNT
WEIGHT (LBS)	46
DIMENSIONS - L x W x D (INCHES)	46 x 12 x 14
NOMINAL CAPACITY (TONS)	2.00
MAX UNIT AIRFLOW (CFM)	775
COOLING CAPACITY - RATED (BTU/H)	24,000
HEATING CAPACITY - RATED (BTU/H)	N/A
REFRIGERANT TYPE	R454B
VOLTAGE - PH	208 - 1
ELECTRICAL DATA	
MCA	1.00
MOCP	SEE SSO SCHEDULE
NOTES	1,2,3,4

NOTES:

1. PROVIDE WITH REMOTE WALL MOUNTED THERMOSTAT. WIRING BY M.C.
2. INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT BY INTERCONNECTED WIRING PROVIDED WITH UNIT, WIRING INSTALLATION AND DISCONNECT BY E.C.
3. COOLING RATED CAPACITY IS BASED ON THE FOLLOWING CONDITIONS. INDOOR: 80°F/67°F, OUTDOOR: 95°F/75°F
4. PROVIDE FILTER AND CONDENSATE PUMP WITH UNIT.
5. UNIT IS COOLING ONLY.



① DET
NTS



② PIPING DETAIL
NTS

SUMP PUMP SCHEDULE	
REFERENCE	SP-1
MANUFACTURER	HYDOMATIC
MODEL #	SPD
SERVES	ELEVATOR PIT
CONFIGURATION	SINGLE
GPM	50
BASIN TYPE	EXISTING CONCRETE
BASIN SIZE (DIAM x HEIGHT)	EXISTING 36x48
FT HEAD	25
HP	1
VOLTAGE/PH	120/1
NOTES	1,2,3,4

NOTES:

- 1. PROVIDE WITH WATERPROOF POWER CABLE, VERIFY FINAL LENGTH. MINIMUM 20 FT.**
- 2. PROVIDE WITH INTEGRAL FLOAT SWITCH OR PIGGY BACK FLOAT.**
- 3. INSTALL TO MEET STATE ELEVATOR CODE REQUIREMENTS.**
- 4. PROVIDE WITH OIL MINDER SYSTEM.**

REVISIONS

NO.	DESCRIPTION	DATE
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