Electrical Abbreviations

1P	1 Pole (2P, 3P, 4P, ETC.)	MCB	Main Circuit Breaker
A, Amp	Ampere	MCC	Motor Control Center
AC	Above Counter	MDC	Main Distribution Center
ACLG	Above Ceiling	MDP	Main Distribution Panel
ADO	Automatic Door Opener	MFR	Manufacturer
AF	Amp Frame	MFS	Main Fused Disconnect Switch
AFF	Above Finished Floor	MH	Manhole
AFG	Above Finished Grade	MIC	Microphone
AFI	Arc Fault Circuit Interrupter	MIN	Minimum
		MISC	Miscellaneous
AHU	Air Handling Unit	MLO	Main Lugs Only
AL	Aluminum	MMS	Manual Motor Starter
ALT	Alternate	MOA	Multioutlet Assembly
AMP	Ampere	MSP	Motor Starter Panelboard
AMPL	Amplifier	MSBD	Main Switchboard
ANNUN	Annunciator	MSS	Motor Starter Switch
APPROX	Approximately	MT	Mount
AQ-STAT	Aquastat	MT.C	Empty Conduit
ARCH	Architect, Architectural	MTS	Manual Transfer Switch
AS	Amp Switch	MTR	Motor, Motorized
AT	Amp Trip	N.C.	Normally Closed
ATS	Automatic Transfer Switch	NEC	National Electrical Code
AUTO	Automatic	NEMA	National Electrical Manufacturer's Association
AUX	Auxiliary		
AV	Audio Visual	NFDS	Non-Fused Safety Disconnect Switch
AWG	American Wire Gauge		
BATT	Battery	NIC	Not In Contract
BD	Board	NL	Night Light
BLDG	Building	N.O.	Normally Open
BMS	Building Management System	NPF	Normal Power Factor
C	Conduit	NTS	Not To Scale
CAB	Cabinet	OC	On Center
CAT	Catalog	OH	Overhead
CATV	Cable Television	OL	Overloads
CB	Circuit Breaker	PA	Public Address
CCTV	Closed Circuit Television	PB	Pull Box Or Pushbutton
CKT	Circuit	PE	Pneumatic Electric
CLG	Ceiling	PED	Pedestal
COMB	Combination	PF	Power Factor
CMPR	Compressor	PH	Phase
CONN	Connection	PIV	Post Indicating Valve
CONST	Construction	PNL	Panel
CONT	Continuation Or Continuous	PP	Power Pole
CONTR	Contractor	PR	Pair
CONV	Convector	PRI	Primary
CP	Circulating Pump	PROJ	Projection
CRT	Cathode-Ray Tube	PRV	Power Roof Ventilator
CT	Current Transformer	PT	Potential Transformer
CTR	Center	PVC	Polyvinyl Chloride (Conduit)
CU	Copper	PWR	Power
DCP	Domestic Water Circulating Pump	QUAN	Quantity
DEPT	Department	RCPT	Receptacle
DET	Detail	REQD	Required
DIA	Diameter	RM	Room
DISC	Disconnect	RSC	Rigid Steel Conduit
DIST	Distribution	RTU	Roof Top Unit
DN	Down	SC	Surface Conduit
DPR	Damper	SEC	Secondary
DS	Safety Disconnect Switch	SHT	Sheet
DT	Double Throw	SIM	Similar
DWG	Drawing	SLD	Single-Line Diagram
EC	Electrical Contractor	S/N	Solid Neutral
ELEC	Electric, Electrical	SPEC	Specification
ELEV	Elevator	SPKR	Speaker
ELU	Emergency Lighting Unit	SP	Spare
EM	Emergency	SPP	Single-Point Power
EMS	Energy Management System	SR	Surface Raceway
EMT	Electrical Metallic Tubing	SS	Stainless Steel
EP	Electric Pneumatic	SSW	Selector Switch
EQUIP	Equipment	S/S	Stop/Start Pushbuttons
EWC	Electric Water Cooler	STA	Station
EXIST	Existing	STD	Standard
EXH	Exhaust	SURF	Surface Mounted
EXP	Explosion Proof	SW	Switch
FA	Fire Alarm	SWBD	Switchboard
FABP	Fire Alarm Booster Power Supply Panel	SYM	Symmetrical
		SYS	System
FACP	Fire Alarm Control Panel	TEL	Telephone
FCU	Fan Coil Unit	TERM	Terminal
FIXT	Fixture	TL	Twist Lock
FLR	Floor	TR	Tamper Resistant
FLUOR	Fluorescent	T-STAT	Thermostat
FU	Fuse	TTC	Telephone Terminal Cabinet
FUDS	Fused Safety Disconnect Switch	TV	Television
GA	Gauge	TVTC	Television Terminal Cabinet
GAL	Gallon	TYP	Typical
GALV	Galvanized	UC	Under Counter
GC	General Contractor	UE	Underground Electrical
GEN	Generator	UG	Underground
GFI	Ground Fault Circuit Interrupter	UH	Unit Heater
GFP	Ground Fault Protector	UT	Underground Telephone
GND	Ground	UTIL	Utility
GRS	Galvanized Rigid Steel (Conduit)	UV	Ultraviolet
GYP BD	Gypsum Board	V	Volt
HOA	Hands-Off-Automatic Switch	VA	Volt-Amperes
HORIZ	Horizontal	VDT	Video Display Terminal
HP	Horsepower	VERT	Vertical
HPF	High Power Factor	VFD	Variable Frequency Drive
HT	Height	VOL	Volume
HTG	Heating	W	Watt
HTR	Heater	W/	With
HV	High Voltage	WG	Wire Guard
HVAC	Heating, Ventilating And Air Conditioning	WH	Water Heater
		W/O	Without
IC	Interrupting Capacity	WP	Weatherproof
IG	Isolated Ground	XFMR	Transformer
IMC	Intermediate Metal Conduit	XFR	Transfer
INCAND	Incandescent		
IR	Infrared		
I/W	Interlock With		
J-BOX	Junction Box	∠	Angle
KV	Kilovolt	@	At
KVA	Kilovolt-Ampere	▲	Delta
KVAR	Kilovolt-Ampere Reactive	'	Feet
KW	Kilowatt	"	Inches
KWH	Kilowatt Hour	#	Number
LOC	Locate Or Location	Ø	Phase
LT	Light	C	Center Line
LTG	Lighting	P	Plate
LTNG	Lightning		
LV	Low Voltage		
MAX	Maximum		
MAG.S	Magnetic Starter		
M/C	Momentary Contact		
MC	Mechanical Contractor		

Electrical Symbol Legend

Lighting Symbols

- Lighting Fixtures, Typical, Rectangular (Various Symbols)
- Lighting Fixtures, Typical, Round (Various Symbols) Center dot indicates pendant. Chevron indicates wall wash.
- Wall-mounted fixtures, Typical (Various Symbols)
- Strip Fixture
- Directional Light, Track Light, Flood Light
- Linear Light, Tape Light
- Emergency Lighting Unit, Ceiling-Mounted, Integral Battery
- Emergency Lighting Unit, Ceiling-Mounted, Remote Battery
- Emergency Lighting Unit, Wall-Mounted, Integral Battery
- Emergency Lighting Unit, Wall-Mounted, Remote Battery
- Exit Light, Ceiling-Mounted. Shading and arrows indicate faces and directional chevrons.
- Exit Light, Wall-Mounted. Shading and arrows indicate faces and directional chevrons.
- Exit/ELU Combo
- Pole/Area Lights
- Post-Top Area Light
- Bollard Light
- Hatch indicates light on an emergency or life safety circuit.
- Single-Pole Switch
- Two-Pole Switch
- Three-Pole Switch

Switch Modifiers:

3: 3-Way	OS: Occupancy Sensor
4: 4-Way	VS: Vacancy Sensor
K: Keyed	CT: Above-Counter
D: Dimming	LV: Low-Voltage
T: Timer	M: Motor-Rated

- Lighting Contactor
- LCP Lighting Control Panel
- OS Occupancy Sensor
- DL Daylight Harvesting Sensor

Lighting Tags

A
MDP:1.a
- Top Value: Fixture Type ID (Underlined)
- Bottom Value, Lowercase Letter: Switch ID
- Bottom Value, Number(s): Circuit Number
- Bottom Value, Uppercase Letter(s): Panel

Absence of a switch designation on a lighting fixture indicates fixture is controlled by the only switch in the space. An "x" in place of the switch designation indicates unswitched.

a, OS a, RL a — Switch ID indicated by a lowercase letter. Switch IDs are unique per space. A switch with an ID "a" controls all devices within the space in which it is located tagged with "a". A switch without a tagged ID controls all lighting fixtures within a space. ID tags may be used on control devices other than switches, such as occupancy sensors or contactors.

Miscellaneous

- Area Not in Contract
- # Note by Symbol
- Callout: Top Value: Detail Number on Sheet; Bottom Value: Sheet Number of Detail
- Room: X — Room Name and Number

Power Symbols

Wall, Ceiling, Floor

- Simplex Receptacle
- Duplex Receptacle
- Quadruplex Receptacle
- Special Receptacle, Type as Indicated

Receptacle Modifiers:
- ##": Height AFF(to center)
- CT: Device Mounted Above Counter Top
- IG: Isolated Ground
- H: Device Mounted Horizontally
- WP: Weatherproof In-Use Cover

- Half shading indicates split (typically switched)
- Outside shading indicates tamperproof device
- Center shading indicates GFI type
- Full shading indicates tamperproof GFI type
- Multioutlet Assembly: Filled squares indicate 120V outlet; Open squares indicate with USB
- Cord Reel, Device Varies
- Drop Cord, Device Varies
- J Junction Box
- F1 Floor Box, see schedule for type
- Emergency Power Off
- DO Door Opener Push Plate
- M Power Meter
- Safety Switch, Fused
- Safety Switch, Unfused
- Motor Starter
- Combination Starter/Disconnect
- Contactor

Power Device and Equipment Tags

LP1A:1 — Electrical DeviceTags: Uppercase letter(s) indicates Panel ID and circuit number. Lowercase letter indicates designation of controlling switch (where applicable).

XX-1 — Equipment Tags: Equipment ID is indicated by an underlined tag adjacent to the equipment. See the equipment connection schedule for description, electrical requirements, and panel and circuit number. Symbols/graphic appearance of equipment varies.

Wiring

Solid, arced lines connecting equipment, devices, or fixtures indicate unswitched power circuiting. Wires are only intended to indicate to what circuit devices are connected. Actual connections, circuit routing, installtion, junction boxes, etc. shall be field-determined by the contractor.

Dashed, arced lines connecting equipment, devices, or fixtures indicate switched power.

Home run to branch circuit panelboard. The equipment name and circuit number(s) are indicated, separated by a hyphen. Homeruns are only intended to indicate panel and circuit number. Actual homerun location shall be field-determined by the contractor.

Power Distribution Equipment

SB1 — MDP — HP1A — LP1A

Hatched fill indicates distribution panel or switchboard.
Solid fill indicates branch panel or load center.
Dashed box indicates code-required clearance (width and depth).
Door indicates front of recessed panel.

Devices and fixtures are tagged with Panel and circuit number. For example, a device tagged with "A:1" indicates the device is circuited to panel designated "A," circuit number 1.

T1 — Transformer: Typically transformer names begin with or contain the letter "T". See Single-Line Diagram for description and requirements.

Telecom Symbols

Wall, Ceiling, Floor

- Data Outlet
- Telephone Outlet
- Data/Telephone Outlet

Outlet Modifiers:
- ##": Height AFF (to center)
- CT: Mounted Above Counter Top

- Wireless Access Point
- TV Outlet

Fire Alarm Symbols

- P Manual Pull Station
- Horn, Wall
- F Horn, Ceiling
- Strobe, Wall, Candela as indicated
- Strobe, Ceiling, Candela as indicated
- Horn/Strobe, Wall, Candela as indicated
- Horn/Strobe, Ceiling, Candela as indicated
- Remote Indicator w/ Test Switch, Wall
- Remote Indicate w/ Test Switch, Ceiling
- Smoke Detector
- Heat Detector
- CO Carbon Monoxide Detector
- Beam Detector T: Transmitter R: Receiver
- CO Combination Detector (Up to Three)
- Duct Smoke Detector
- Smoke Damper
- DH Door Holder
- DCL Door Closer
- Fire Service Phone
- AOM Addressible Module
  - AIM: Addressible Input Module
  - AOM:Addressible Output Control Module
  - AIO: Addressible Input/Output Module
- XXXX Fire Alarm Control Unit
  - EVAC: Voice Evacuation Control Panel
  - FAA: Fire Alarm Annunciator
  - FACP: Fire Alarm Control Panel
  - FATC: Fire Alarm Terminal Cabinet
  - NACP: Notification Appliance Circuit Panel
  - FAMN: Fire Alarm Mass Notification Control Panel
- XX Supervisory or Interface Device
  - PIV: Post Indicator Valve Supervisory
  - PS: Pressure Switch
  - R: Non-Addressible Relay
  - VS: Valve Supervisory Switch
  - WF: Water Flow Switch

Security Symbols

- Security Camera
  - PTZ: Pan/Tilt/Zoom
- CR Card Reader
- CK Card Reader with Keypad
- CC TV Closed Circuit TV Outlet
- DC Door Contact
- ES Electric Strike
- IC Intercom
- ML Magnetic Lock
- RX Request to Exit Button
- REX Request to Exit Sensor
- MD Motion Detector
- XXX Security Control Unit
  - SCP: Security Control Panel
  - SPS: Security Power Supply Unit

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GENERAL ELECTRICAL NOTES

A. COORDINATE INSTALLATION OF ELECTRICAL WORK ABOVE THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF PLUMBING AND MECHANICAL INSTALLATION. CONDUITS SHALL BE ROUTED THROUGH JOIST WEBS WHERE POSSIBLE.
B. VERIFY EXACT PLACEMENT OF ALL LUMINAIRES, DEVICES, AND EQUIPMENT SHOWN ON THE ELECTRICAL CONSTRUCTION DOCUMENTS WITH ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS PRIOR TO FINAL PLACEMENT.
C. ELECTRICAL EQUIPMENT AND DEVICES SHALL BE "LISTED" AND "IDENTIFIED" AS RATED FOR A MINIMUM OF 75°C CONDUCTOR TERMINATION.
D. DEFINITION OF TERMS
- "SHALL": ACTION THAT IS REQUIRED WITHOUT OPTION OR QUALIFICATION.
- "FURNISH": CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING.
- "INSTALL": CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND CONSTRUCTION EQUIPMENT NECESSARY TO SET IN PLACE, CONNECT, CALIBRATE AND TEST EQUIPMENT FURNISHED BY HIM OR OTHERS.
- "PROVIDE": CONTRACTOR SHALL FURNISH AND INSTALL.

MOUNTING HEIGHT REQUIREMENTS:

UNLESS SPECIFICALLY INDICATED OTHERWISE, THE FOLLOWING MOUNTING HEIGHTS SHALL APPLY.

• RECEPTACLES	16" TO BOTTOM
• TELECOMMUNICATIONS OUTLETS	16" TO BOTTOM
• LIGHT SWITCHES	48" TO TOP
• THERMOSTATS	48" TO TOP
• HUMIDISTATS	48" TO TOP
• FIRE ALARM PULL STATIONS	48" TO TOP
• FIRE ALARM NOTIFICATION DEVICES	LOWER OF: 88" TO BOTTOM OR TOP AT 6" BELOW CEILING

GENERAL LIGHTING NOTES

A. THE CIRCUITING OF ALL LUMINAIRES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT.
B. CIRCUIT ALL EMERGENCY LIGHTS, NIGHT LIGHTS AND EXIT LIGHTS TO AN UNSWITCHED HOT CONDUCTOR, UPSTREAM OF ALL CONTROLS.
C. DIRECT CURRENT POWER WIRING FROM EXIT SIGNS TO REMOTE EXTERIOR EMERGENCY LIGHTING HEADS SHALL BE (2) #10 IN 1/2" CONDUIT UNLESS NOTED OTHERWISE.
D. IN AREAS WHERE CEILING MOUNTED OCCUPANCY SENSORS ARE USED FOR LIGHTING CONTROL IN CONJUNCTION WITH WALL SWITCHES, OCCUPANCY SENSOR/POWER PACK SHALL SWITCH LEG SHALL BE WIRED IN SERIES WITH WALL SWITCHES TO PROVIDE OVERRIDE "OFF" CONTROL FOR LIGHTS.
E. CONTROL WIRING FOR 0-10 V-dc DIMMING SIGNAL CIRCUITS SHALL BE NEC CLASS 1, ROUTED IN SAME RACEWAY/CABLE WITH LIGHTING CIRCUIT POWER CONDUCTORS. WIRING SHALL CONSIST OF (2) #16 SOLID CU THHN OR TFN CONDUCTORS. CONDUCTOR INSULATION COLOR SHALL BE VIOLET (+ V-dc) AND PINK (- V-dc). WHERE MC-CABLE IS USED FOR FINAL 6' POWER CONNECTION WHIP TO LUMINAIRE, UTILIZE "LUMINARY" TYPE MC-CABLE WITH INTEGRAL CLASS 1 CONTROL WIRING.

GENERAL POWER NOTES

A. THE CIRCUITING OF ALL DEVICES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT.
B. VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT WITH THE GENERAL CONTRACTOR AND ASSOCIATED SUBCONTRACTORS. COORDINATE CONDUIT STUB-UP AND POWER CONNECTIONS PRIOR TO COMMENCING ROUGH-IN WORK. ELECTRICAL DEVICES (DISCONNECTS, RECEPTACLES, ETC.) INSTALLED ON EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. FIELD COORDINATE EXACT DEVICE MOUNTING LOCATIONS PRIOR TO INSTALLATION.
C. WALL MOUNTED HVAC CONTROL DEVICES (THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, CO_2 SENSORS, ETC) SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. UNLESS NOTED OTHERWISE, ELECTRICAL CONTRACTOR SHALL PROVIDE SINGLE GANG WALL BOX WITH 1/2" CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND PULLSTRING IN RACEWAY. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF DEVICES.

GENERAL TELECOMMUNICATIONS NOTES

A. PROVIDE THE FOLLOWING RACEWAY ROUGH-IN FOR TELECOMMUNICATIONS OUTLET TYPES INDICATED:
- WALL PHONE OUTLET: 2"x4"x2-1/8" DEEP DEVICE BOX WITH (1) 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
- PHONE/DATA OUTLET: 4-11/16" SQUARE x 3-1/4" DEEP BOX (RACO #260 OR EQUAL) WITH 1-GANG DEVICE RING AND 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
- TV OUTLET: 4-11/16" SQUARE x 3-1/4" DEEP BOX (RACO #260 OR EQUAL) WITH 2-GANG DEVICE RING AND (1) 2" CONDUIT TO ABOVE ACCESSIBLE CEILING.

B. PROVIDE NYLON BUSHINGS FOR ALL CONDUIT ENDS NOT CONNECTED TO A BOX OR FITTING TO PROTECT CABLING FROM DAMAGE.
C. CONDUITS FROM EACH OUTLET SHALL BE STUBBED 2" ABOVE THE FINISHED CEILINGS IN AREAS WITH ACCESSIBLE TILES. IN AREAS WITH OPEN CEILINGS, STUB CONDUIT INTO STRUCTURAL JOIST SPACE.
D. PROVIDE BLANK, STAINLESS STEEL COVER PLATES FOR ALL OUTLETS NOT ACTIVATED BY OWNER.
E. PROVIDE SUITABLE PULL STRING IN ALL CONDUITS.
F. ALL TELECOMMUNICATIONS AND A/V CABLING, JACKS, CONNECTORS, TERMINATIONS, EQUIPMENT AND TESTING SHALL BE PROVIDED BY OWNER.

GENERAL FIRE ALARM NOTES

A. FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT WHERE EXPOSED, INACCESSIBLE, AND WHERE SUBJECT TO PHYSICAL DAMAGE.
B. DUCT TYPE SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY FIRE ALARM CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR.
C. FIRE ALARM SYSTEM HVAC SHUT DOWN RELAYS SHALL BE PROVIDED AND WIRED TO FIRE ALARM CONTROL PANEL BY FIRE ALARM CONTRACTOR. LOCATE RELAYS WITHIN 5' OF HVAC EQUIPMENT AND PROVIDE CONDUIT WITH PULL STRING FROM RELAY TO EQUIPMENT. UNIT SHUT DOWN CONTROL WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
D. AT LOCATION OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS, PROVIDE DUCT OR AREA SMOKE DETECTOR (AS SHOWN ON PLANS) WITHIN 5' OF DAMPER AND WIRE TO FIRE ALARM CONTROL PANEL. PROVIDE FIRE ALARM RELAY FOR CONTROL OF 120V POWER TO DAMPER ACTUATOR. DAMPER SHALL CLOSE UPON DETECTION OF SMOKE.
E. IN ADDITION TO VALVES INSTALLED ON FIRE SPRINKER SYSTEM RISER, ALL VALVES INSTALLED OUTSIDE THE BUILDING (POST INDICATOR VALVE, TAPPING SLEEVE VALVE, ETC.) SHALL BE SUPERVISED BY THE FIRE ALARM SYSTEM. PROVIDE ADDRESSABLE MONITORING MODULE AND SURGE PROTECTION DEVICE (DITEK #DTK-2MHLP488) FOR EACH MONITORED VALVE. COORDINATE WITH GC AND SITE WORK CONTACTOR FOR ALL VALVES INSTALLED. MONITORING IS NOT REQUIRED FOR VALVES INSTALLED IN ROADWAY BOXES BY THE MUNICIPALITY/PUBLIC UTILITY.

Electrical Sheet List

E0.1	ELECTRICAL TITLE SHEET
E1.1	ELECTRICAL LIGHTING PLANS-BUILDING A-BASEMENT & FIRST FLOOR
E1.2	ELECTRICAL LIGHTING PLANS-BUILDING B-FIRST FLOOR & MEZZANINE
E1.3	ELECTRICAL LIGHTING PLANS-BUILDING A-MEZZANINE & SECOND FLOOR
E1.4	ELECTRICAL LIGHTING PLAN-BUILDING B-SECOND FLOOR
E1.5	ELECTRICAL LIGHTING PLAN-BUILDING A-THIRD FLOOR
E2.1	ELECTRICAL POWER PLANS-BUILDING A-BASEMENT & FIRST FLOOR
E2.2	ELECTRICAL POWER PLANS-BUILDING B-FIRST FLOOR & MEZZANINE
E2.3	ELECTRICAL POWER PLANS-BUILDING A-MEZZANINE & SECOND FLOOR
E2.4	ELECTRICAL POWER PLAN-BUILDING B-SECOND FLOOR
E2.5	ELECTRICAL PLANS-BUILDING A-THIRD FLOOR
E3.1	SPECIAL SYSTEMS PLANS-BUILDING A-BASEMENT & FIRST FLOOR
E3.2	SPECIAL SYSTEMS PLANS-BUILDING B-FIRST FLOOR & MEZZANINE
E3.3	SPECIAL SYSTEMS PLANS-BUILDING A-MEZZANINE & SECOND FLOOR
E3.4	SPECIAL SYSTEMS PLANS-BUILDING B-SECOND FLOOR
E3.5	SPECIAL SYSTEMS PLANS-BUILDING A-THIRD FLOOR
E4.1	ENLARGED ELECTRICAL PLANS
E4.2	ENLARGED ELECTRICAL PLANS
E4.3	ENLARGED ELECTRICAL PLANS
E6.1	ELECTRICAL SCHEDULES AND DETAILS
E6.2	ELECTRICAL RISER DIAGRAM BUILDING A
E6.3	ELECTRICAL RISER DIAGRAM BUILDING A
E6.4	ELECTRICAL RISER DIAGRAM BUILDING B
E6.5	ELECTRICAL RISER DIAGRAM BUILDING B
E6.6	HOUSE PANEL SCHEDULES BUILDING A
E6.7	HOUSE PANEL SCHEDULES BUILDING B

GENERAL ELECTRICAL DEMOLITION NOTES

1. REMOVE ALL NM, BX, MC, AC AND OTHER CABLE SYSTEMS AND WIRING FOR ALL ABANDONED CIRCUITS.
2. REMOVE ALL ABANDONED CONDUITS ABOVE LAY-IN CEILINGS, EXPOSED CONDUITS, FLEXIBLE CONDUITS, SURFACE RACEWAY, SURFACE MOUNTED OUTLET/JUNCTION BOXES AND EQUIPMENT UNLESS NOTED OTHERWISE.
3. WHERE ABANDONED FEEDERS AND BRANCH CIRCUITS ARE CONCEALED WITHIN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND CAP CONDUITS AT BOTH ENDS.
4. WHERE ABANDONED OUTLET AND JUNCTION BOXES ARE RECESSED FLUSH IN WALLS, FLOORS AND HARD CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND WIRING DEVICES AND PROVIDE BLANK STAINLESS STEEL COVERPLATES FOR BOXES 6"x6" AND SMALLER. REMOVE BOXES LARGER THAN 6"x6" AND PATCH SURFACE TO MATCH EXISTING. COORDINATE WITH ARCHITECT FOR FINAL DIRECTION.
5. ALL EQUIPMENT, FIXTURES, RACEWAY, WIRING AND DEVICES WHICH ARE REMOVED SHALL BE REMOVED FROM THE JOB SITE BY THIS CONTRACTOR, UNLESS DIRECTED OTHERWISE BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. CONFORM TO ALL LAWS AND ORDINANCES IN EFFECT CONCERNING THE PROPER DISPOSAL OF LUMINAIRES AND LAMPS.
6. COORDINATE THE REMOVAL OF MECHANICAL AND PLUMBING EQUIPMENT WITH THE MECHANICAL AND PLUMBING CONTRACTORS. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ELECTRICAL POWER AND CONTROL CIRCUITS FOR EQUIPMENT BEING REMOVED. REMOVE ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH DEMOLISHED MECHANICAL AND PLUMBING EQUIPMENT (DISCONNECT SWITCHES, MOTOR STARTERS, RELAYS, ETC).

GENERAL ELECTRICAL REMODEL NOTES

1. DESIGN IS BASED ON FIELD INFORMATION, AS-BUILT DRAWINGS AND OWNER FURNISHED INFORMATION. CONTRACTOR SHALL VERIFY ACCURACY OF ALL EXISTING CONDITIONS. IN CASE OF DISCREPANCY, PROVIDE ALL NECESSARY CONDUIT, WIRE, BOXES, FITTINGS, ETC. FOR A COMPLETE OPERATING ELECTRICAL SYSTEM.
2. EXISTING EQUIPMENT, WIRING DEVICES, LIGHTS, CONDUIT, WIRING, ETC., NOT DISTURBED BY NEW CONSTRUCTION WORK SHALL BE MAINTAINED AND UNDAMAGED. THESE ITEMS, IF SHOWN, ARE SHOWN FOR INFORMATION PURPOSES ONLY UNLESS NOTED OTHERWISE. THIS CONTRACTOR SHALL VISIT THE JOB SITE TO VERIFY ALL EXISTING CONDITIONS AND TO BECOME FAMILIAR WITH ALL WORK TO BE PERFORMED. FAILURE TO DO SO WILL NOT RELIEVE THIS CONTRACTOR OF THE RESPONSIBILITY FOR PERFORMING ALL WORK NECESSARY TO PROVIDE A WORKMANLIKE INSTALLATION.
3. FIELD VERIFY THE LOCATION AND CONDITION OF ALL EXISTING UTILITIES AND PROVIDE PROTECTION FOR THESE UTILITIES DURING THE COURSE OF WORK. EXISTING UTILITIES, BUILDING MATERIALS AND ASSOCIATED ITEMS DAMAGED BY THIS CONTRACTOR, OR ANY PARTIES ASSOCIATED WITH THIS CONTRACTOR, SHALL BE REPAIRED OR REPLACED AT THIS CONTRACTOR'S EXPENSE, IN A TIMELY MANNER, AND TO THE OWNER'S WRITTEN ACCEPTANCE.
4. THERE SHALL NOT BE ANY INTERRUPTION TO EXISTING SERVICES (ELECTRICAL, FIRE ALARM, TELEPHONE, ETC.) WITHOUT PRIOR SCHEDULING OF SUCH OUTAGES WITH THE OWNER, ARCHITECT, AND ALL OTHER PARTIES INVOLVED.
5. MAINTAIN ACCURATE RECORDS OF ALL MODIFICATIONS TO THE EXISTING SYSTEMS WHICH ARE TO REMAIN AND DELIVER ALL RECORD DRAWINGS INDICATING SUCH MODIFICATIONS TO THE OWNER UPON COMPLETION OF THE PROJECT. MAINTAIN IN THE PROJECT CONSTRUCTION OFFICE, AS THE WORK PROGRESSES, AN UP-TO-DATE, NEATLY MARKED COPY OF THESE DRAWINGS FOR REVIEW BY THE ARCHITECT, ENGINEER, OR OWNER'S REPRESENTATIVE.
6. WHERE NEW ADDITION WORK OR REMODELING INTERFERES WITH CIRCUITS IN ROOMS OTHERWISE UNDISTURBED, EXISTING CIRCUITS SHALL BE REWORKED AS REQUIRED TO MAINTAIN SERVICE.
7. EXISTING ROUGH-IN BOXES AND CONDUIT MAY BE UTILIZED FOR NEW DEVICES IF THEY ARE OF PROPER SIZE AND MATERIAL, AND ARE IN SUITABLE LOCATIONS. HOWEVER, NEW DEVICES AND WIRING MUST BE INSTALLED.
8. WHERE EXISTING EQUIPMENT IS BEING REPLACED WITH NEW EQUIPMENT OR RELOCATED EQUIPMENT, ELECTRICAL CONTRACTOR MAY REUSE THE EXISTING CONDUIT AND ROUGH-IN LOCATIONS IF POSSIBLE, BUT ALL CONDUCTORS SHALL BE NEW.
9. CIRCUITING SHOWN IN REMODELED AREAS MAY BE MODIFIED TO SUIT FIELD CONDITIONS. HOWEVER, KEEP CIRCUITS APPROXIMATELY AS SHOWN ON PLANS TO AVOID OVERLOADING OF CIRCUITS AND TO LIMIT VOLTAGE DROP.
10. MAINTAIN FIRE RATING OF ALL EXISTING WALLS, FLOORS AND CEILING SYSTEMS.
11. NEW DEVICES INSTALLED ON EXISTING WALLS AND CEILINGS IN OCCUPIED SPACES SHALL HAVE WIRING INSTALLED CONCEALED. SURFACE RACEWAY (WIREMOLD) SHALL ONLY BE INSTALLED ON EXISTING WALLS AND HARD CEILINGS WHERE WIRING CANNOT BE INSTALLED CONCEALED (I.E. CONCRETE, BRICK,CMU, ETC). OBTAIN APPROVAL FROM ARCHITECT, ENGINEER, AND OWNER PRIOR TO EACH OCCURRENCE WHERE SURFACE RACEWAY IS INSTALLED. SURFACE RACEWAY SHALL BE STEEL, SINGLE CHANNEL TYPE, IVORY COLORED, COMPLETE WITH ALL ELBOWS, BOXES, SUPPORTS, COVERS, ETC. AS REQUIRED. SURFACE RACEWAY SYSTEMS SHALL BE MANUFACTURED BY WIREMOLD, HUBBELL, OR MONOSYSTEMS, AND SHALL BE OF TYPES AS FOLLOWS:
- POWER AND FIRE ALARM: WIREMOLD 500 SERIES
- COMMUNICATIONS AND A/V: WIREMOLD 2400 SERIES

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TEXARKANA, TEXAS

STATE OF TEXAS — TIMOTHY C. TREDWAY — 95252 — LICENSED PROFESSIONAL ENGINEER — 02/16/2026

REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

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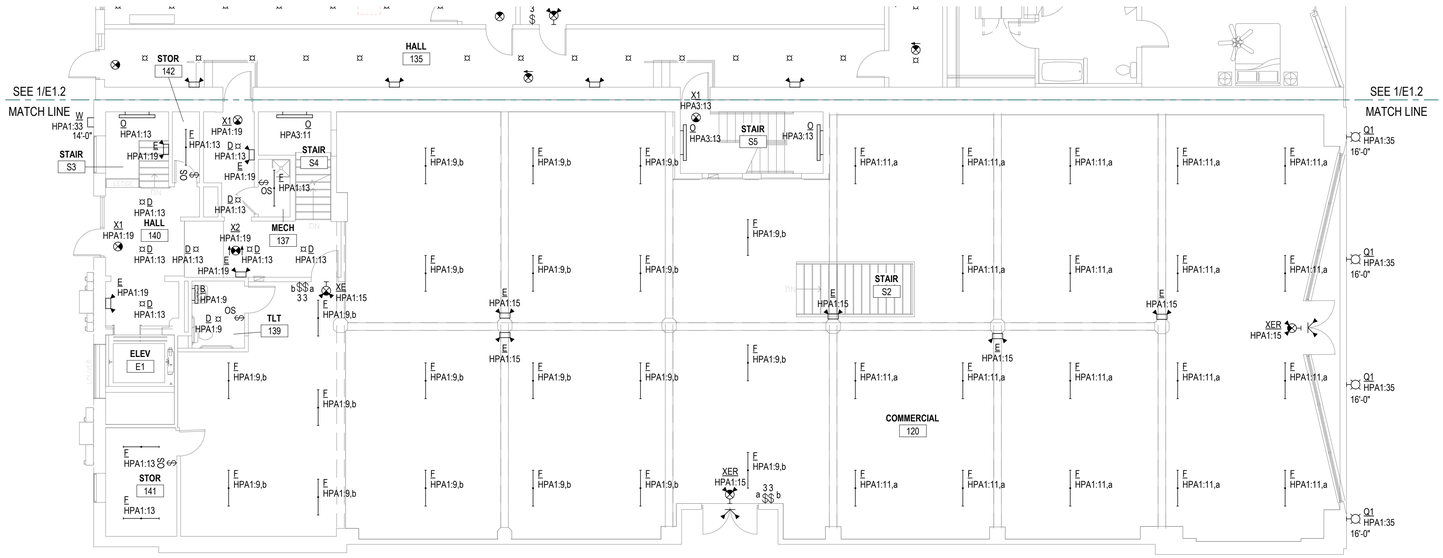
Project 25062 **2/16/2026**

ELECTRICAL SHEET NOTES

1. COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
2. AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY. GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITY SHALL BE ROUTED OVERHEAD TO FULLEST EXTENT POSSIBLE, WITH WIRING TO INDIVIDUAL DEVICES ON EXISTING BRICK WALLS INSTALLED VERTICALLY FROM ABOVE. ALL HORIZONTAL RACEWAY INSTALLATION ON WALLS SHALL OCCUR ABOVE PAINTLINE. OBTAIN APPROVAL OF ROUTING WITH ARCHITECT PRIOR TO INSTALLATION, AND COORDINATE INSTALLATION WITH OTHER TRADES.

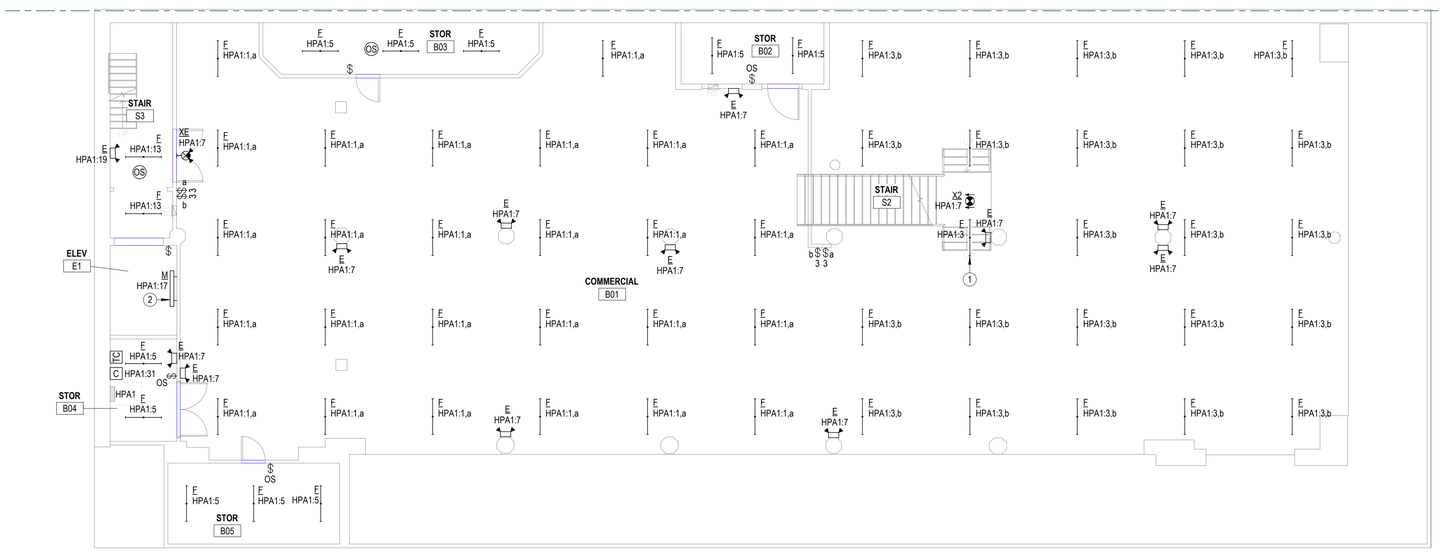
NOTES BY SYMBOL

1. CIRCUIT LIGHT FIXTURE FOR CONTINUOUS OPERATION.
2. INSTALL LUMINAIRE ON WALL OF ELEVATOR HOISTWAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.



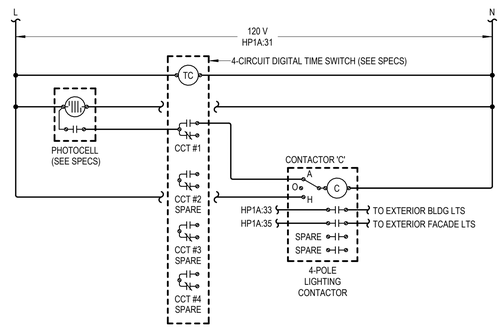
2 LIGHTING PLAN-FIRST FLOOR-BUILDING A

1/8" = 1'-0"



1 LIGHTING PLAN-BASEMENT-BUILDING A

1/8" = 1'-0"



3 LIGHTING CONTROL DIAGRAM

NO SCALE

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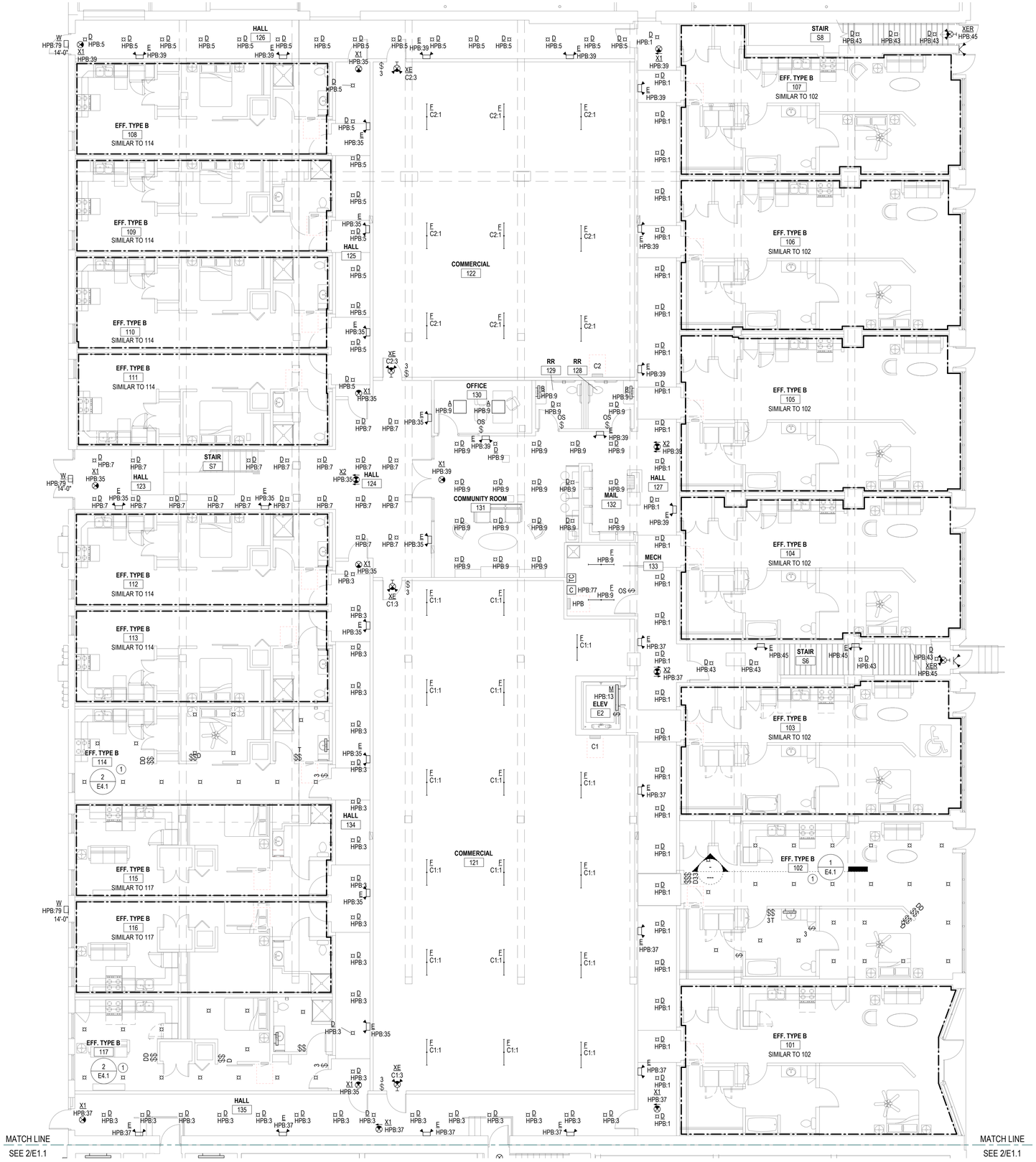
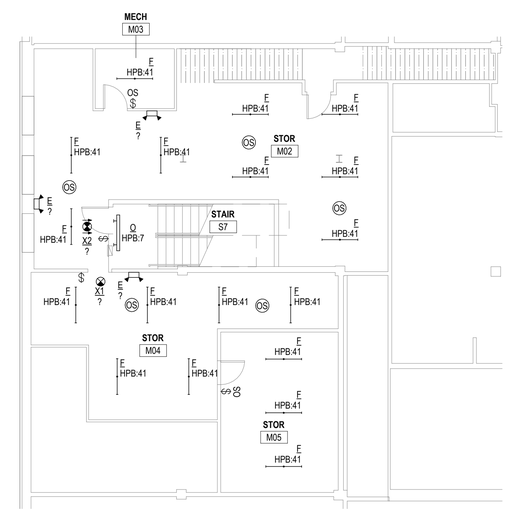


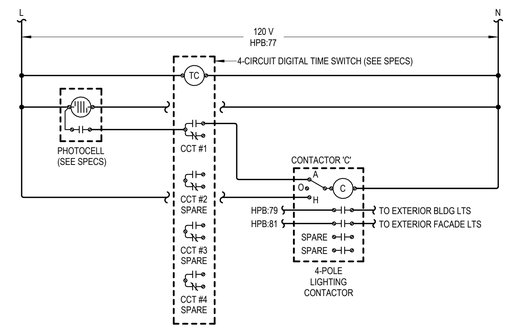
1 LIGHTING PLAN-FIRST FLOOR-BUILDING B

1/8" = 1'-0"



2 LIGHTING PLAN-MEZZANINE-BUILDING B

1/8" = 1'-0"



3 LIGHTING CONTROL DIAGRAM

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ELECTRICAL SHEET NOTES

1. COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
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NOTES BY SYMBOL

1. ELECTRICAL DEVICE AND LIGHT FIXTURE LAYOUT SHOWN ARE UNIT SPECIFIC, REFER TO INDICTATED ENLARGED PLAN FOR TYPICAL BRANCH CIRCUITRY REQUIREMENTS AND NOTING.

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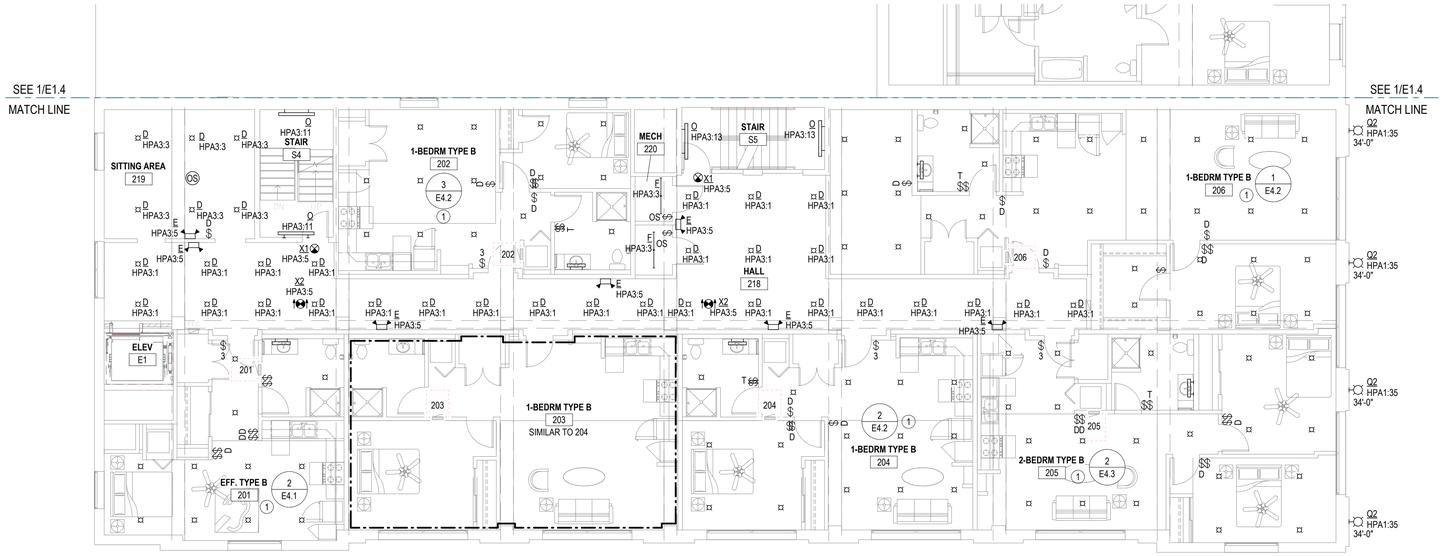
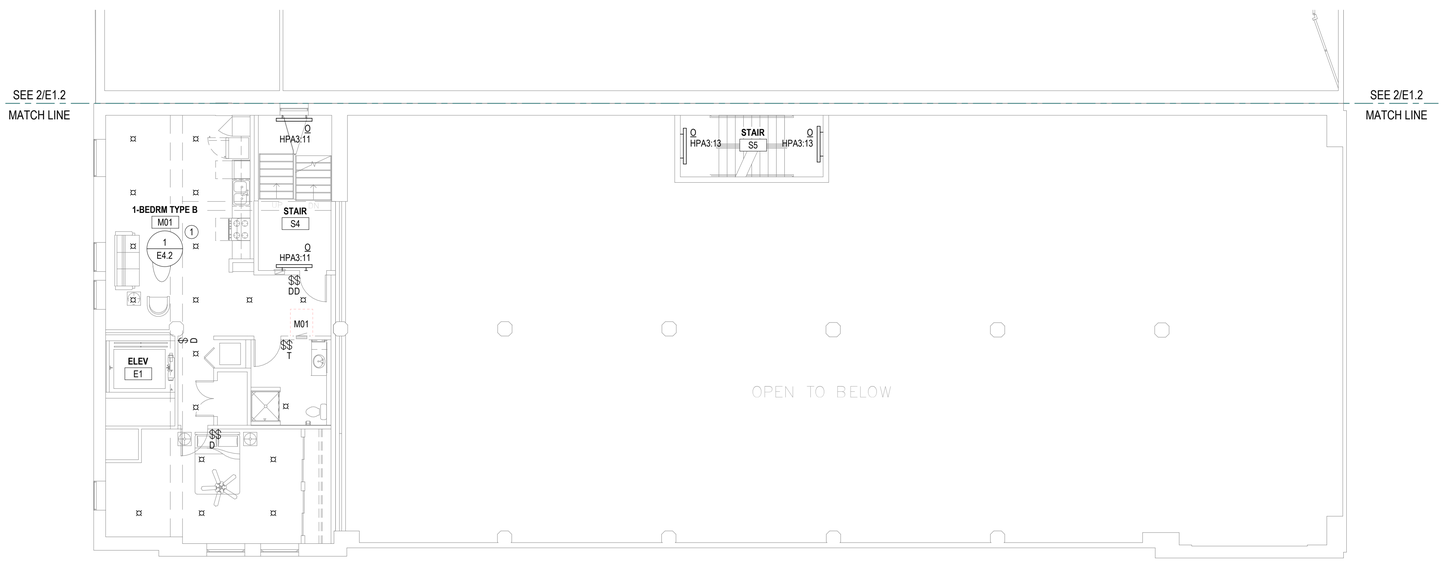


2 LIGHTING PLAN-SECOND FLOOR-BUILDING A

1/8" = 1'-0"



1 LIGHTING PLAN-MEZZANINE-BUILDING A

1/8" = 1'-0"

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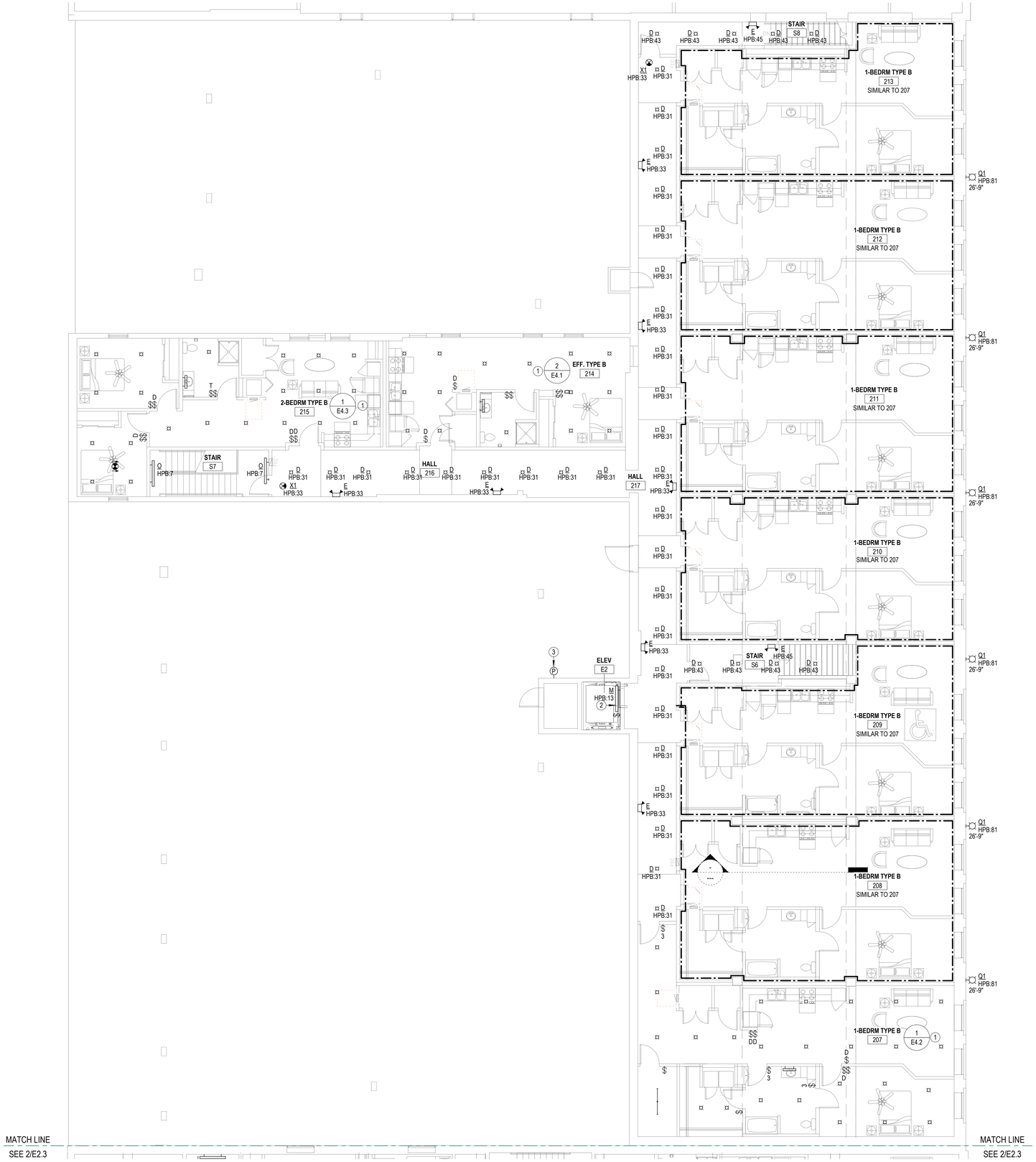

1 **LIGHTING PLAN-SECOND FLOOR-BUILDING B**
1/8" = 1'-0"

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NOTES BY SYMBOL

1. ELECTRICAL DEVICE AND LIGHT FIXTURE LAYOUT SHOWN ARE UNIT SPECIFIC, REFER TO INDICTATED ENLARGED PLAN FOR TYPICAL BRANCH CIRCUITRY REQUIREMENTS AND NOTING.
2. INSTALL LUMINAIRE ON WALL OF ELEVATOR HOISTWAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
3. PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS SEE DETAIL 1:E6.1 FOR MORE INFORMATION.

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NOTES BY SYMBOL

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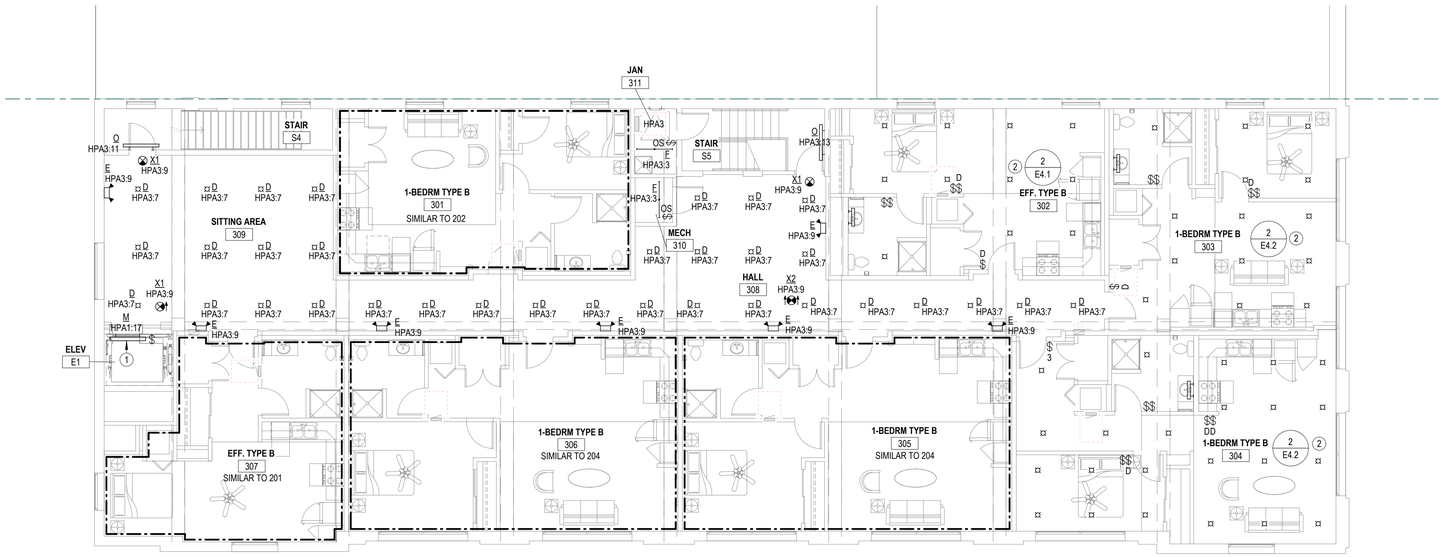

1 LIGHTING PLAN-THIRD FLOOR-BUILDING A

1/8" = 1'-0"

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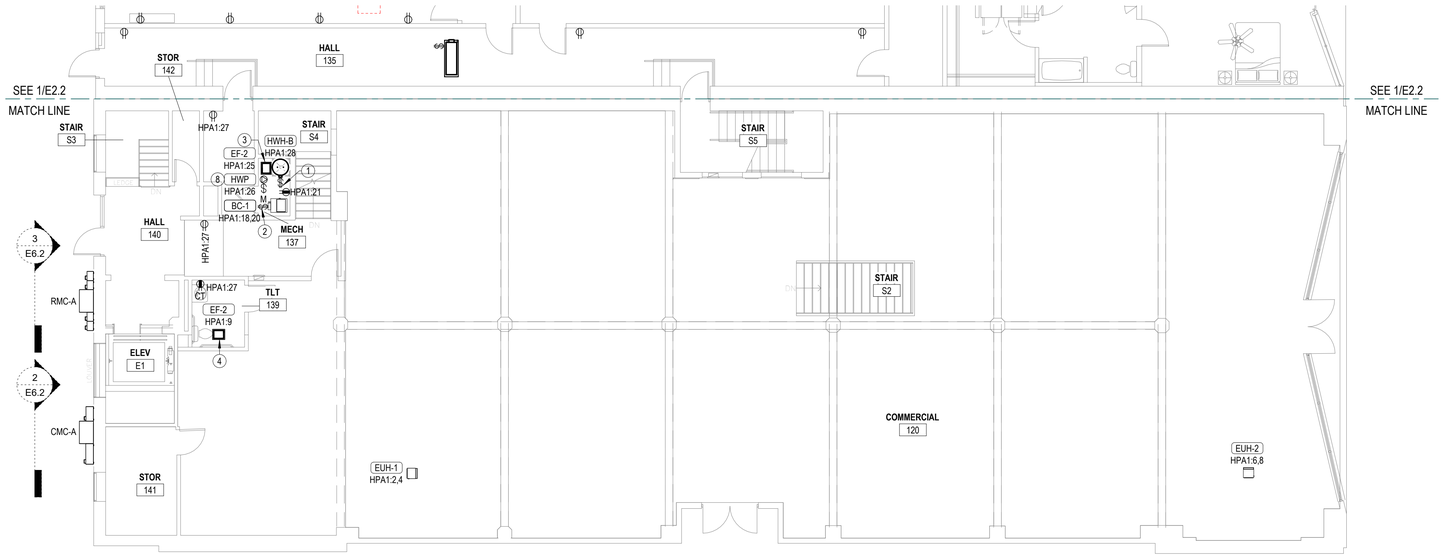
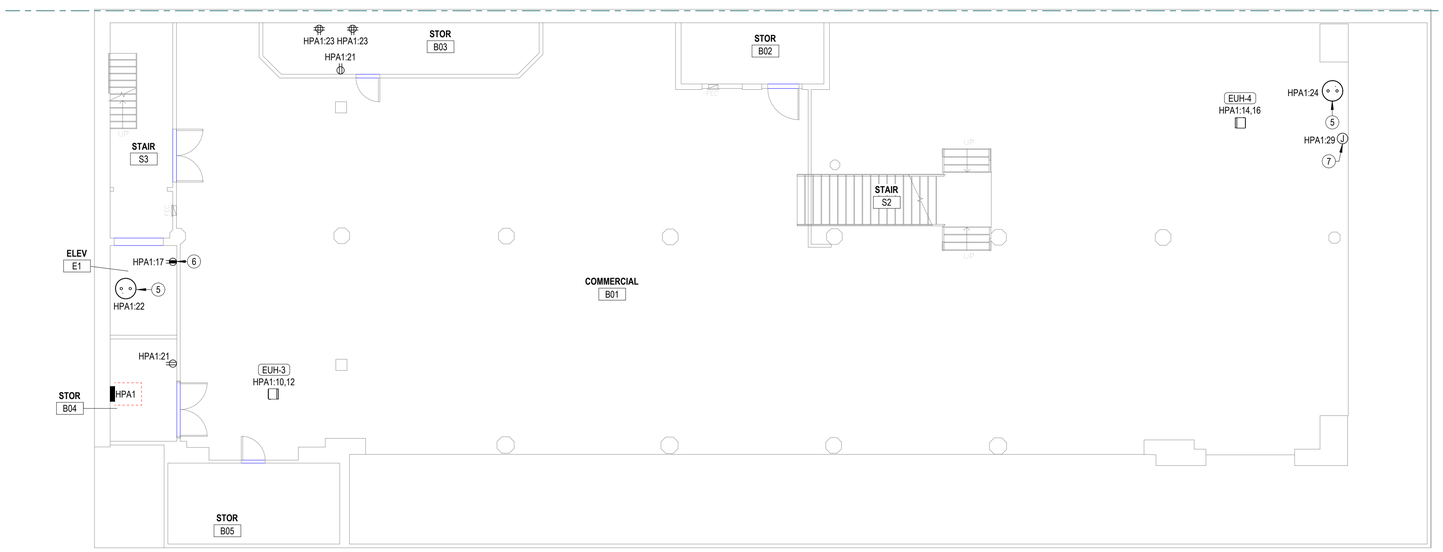
NOTES BY SYMBOL

1. PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
2. PROVIDE 40A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7842D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
3. CIRCUIT EXHAUST FAN FOR CONTINUOUS OPERATION.
4. EXHAUST FAN TO BE CONTROLLED WITH ON/OFF WITH LIGHT FIXTURES IN RESTROOM.
5. PROVIDE FINAL CONNECTION TO BASEMENT SUMP PUMP, BY OTHERS.
6. INSTALL RECEPTACLE ON WALL OF ELEVATOR HOISTWAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
7. 120V POWER FOR FIRE SPRINKLER SYSTEM FLOW SWITCH(ES) AND BELL. PROVIDE #8 CU BONDING JUMBER FROM CIRCUIT EQUIPMENT GROUNDING CONDUCTOR TO METAL SPRINKLER SYSTEM PIPING AT AN ACCESSIBLE LOCATION PER NEC 250.104(B). COORDINATE WORK WITH FIRE SPRINKLER SYSTEM INSTALLER.
8. ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.



2 ELECTRICAL POWER PLAN-FIRST FLOOR-BUILDING A

1/8" = 1'-0"



1 ELECTRICAL POWER PLAN-BASEMENT-BUILDING A

1/8" = 1'-0"

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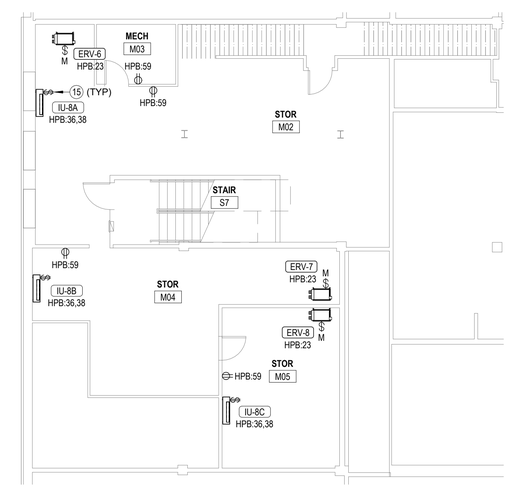

2 ELECTRICAL POWER PLAN-MEZZANINE-BUILDING B

1/8" = 1'-0"

1 ELECTRICAL POWER PLAN-FIRST FLOOR-BUILDING B

1/8" = 1'-0"

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NOTES BY SYMBOL

1. DEDICATED 20 AMP, 120V CIRCUIT FOR FIRE ALARM CONTROL PANEL. VERIFY EXACT LOCATION AND REQUIREMENTS WITH FIRE ALARM CONTRACTOR.
2. PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
3. PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7852D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
4. ELECTRICAL DEVICE AND LIGHT FIXTURE LAYOUT SHOWN ARE UNIT SPECIFIC, REFER TO INDICTATED ENLARGED PLAN FOR TYPICAL BRANCH CIRCUITRY REQUIREMENTS AND NOTING.
5. INSTALL RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
6. PROVIDE FINAL CONNECTION TO ELEVATOR SUMP PUMP, BY OTHERS.
7. ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
8. PROVIDE AND INSTALL HUBBELL NSAV62M OR APPROVED EQUAL 2-GANG IN-WALL ENCLOSURE FOR RECESSED TV POWER. COORDIANTE EXACT MOUNTING HEIGHT WITH ARCHITECT.
9. CIRCUIT EXHAUST FAN FOR CONTINUOUS OPERATION.
10. PROVIDE 60A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7862D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
11. PROVIDE 30A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7832 OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
12. PROVIDE POWER FOR ELEVATOR SHUNT TRIP CONTROL. SEE 4:E6.1 FOR MORE INFORMATION.
13. 30A/2P DISCONNECT SWITCH WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. SWITCH SHALL BE CAPABLE OF BEING LOCKED "OFF". MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO INSPECTION AND TEST PANEL (LDU) AT THE TOP FLOOR WITHIN ELEVATOR DOOR JAMB.
14. ELEVATOR POWER MODULE SWITCH: 200A/208V/3P SWITCH COMPLETE WITH 60A DUAL ELEMENT, TIME DELAY CLASS J FUSES, 120V CONTROL TRANSFORMER, FIRE ALARM SAFETY INTERFACE RELAY, KEY TEST SWITCH, GREEN PILOT LIGHT, AUXILIARY CONTACTS FOR ELEVATOR RECALL, AND FIRE ALARM VOLTAGE MONITORING RELAY. COOPER BUSSMAN #PS-6-T20-R1-K-G-B-F1 OR EQUAL. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
15. 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT. PROVIDE (3) #12, #12G, 1/2"C BETWEEN ASSOCIATED OUTDOOR AND INDOOR A/C UNITS.

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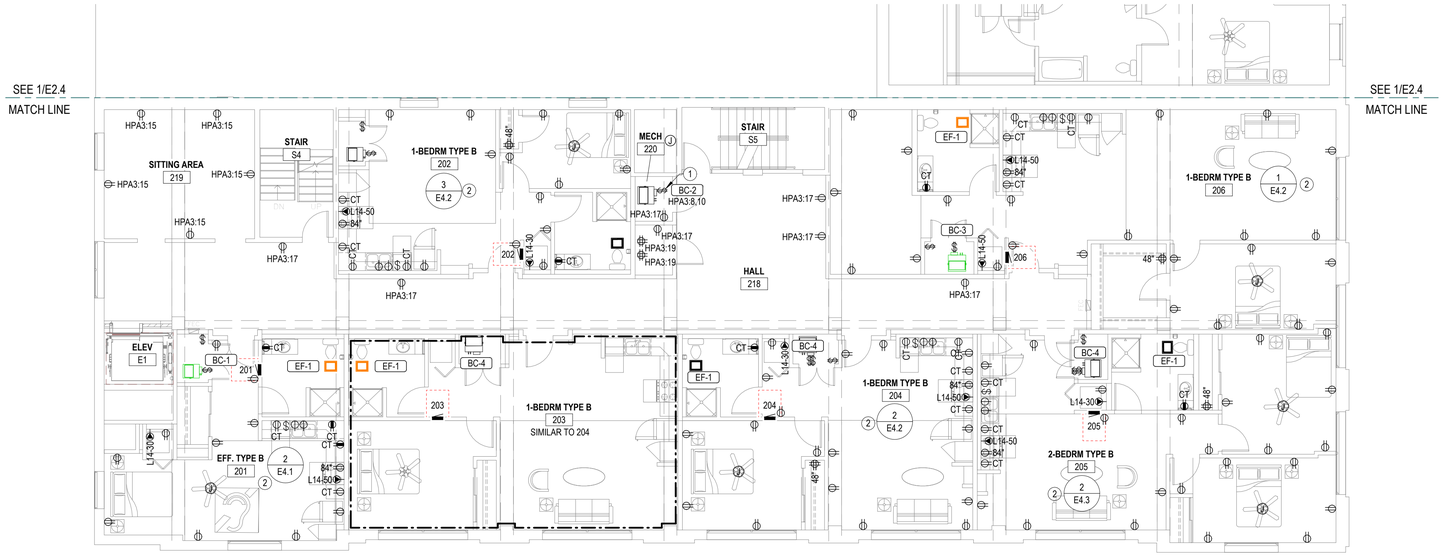
Project 25062 2/16/2026

ELECTRICAL SHEET NOTES

1. COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
2. AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY. GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITY SHALL BE ROUTED OVERHEAD TO FULLEST EXTENT POSSIBLE, WITH WIRING TO INDIVIDUAL DEVICES ON EXISTING BRICK WALLS INSTALLED VERTICALLY FROM ABOVE. ALL HORIZONTAL RACEWAY INSTALLATION ON WALLS SHALL OCCUR ABOVE PAINTLINE. OBTAIN APPROVAL OF ROUTING WITH ARCHITECT PRIOR TO INSTALLATION, AND COORDINATE INSTALLATION WITH OTHER TRADES.

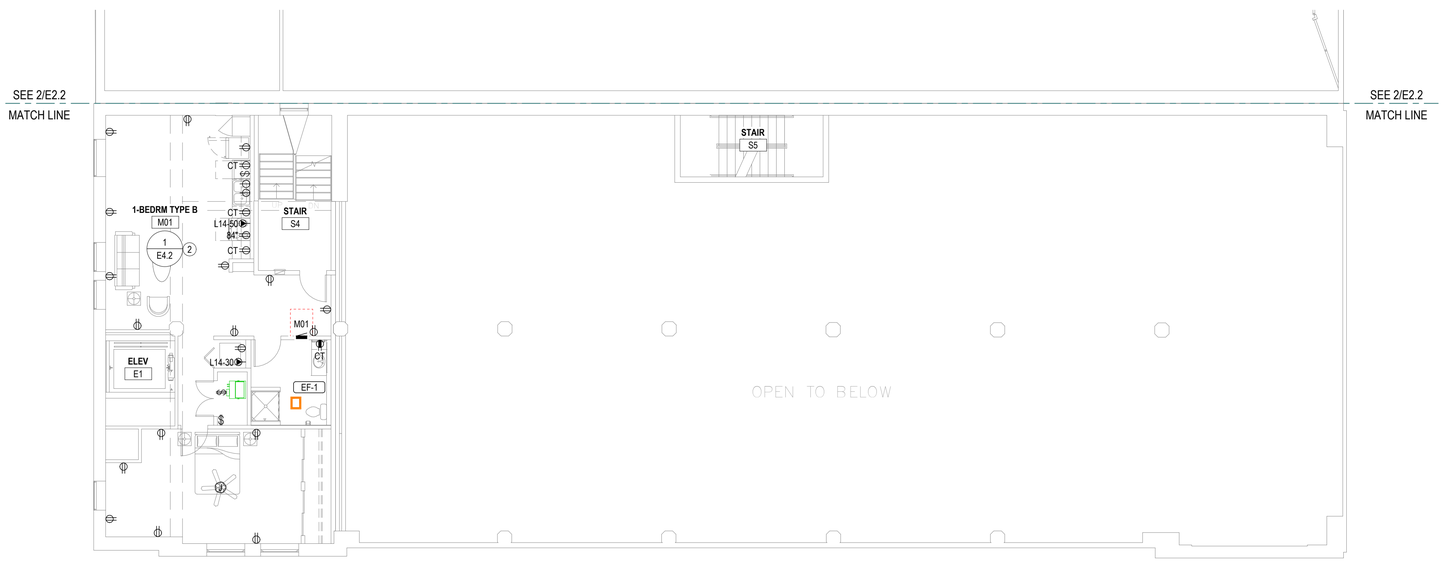
NOTES BY SYMBOL

1. PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7852D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
2. ELECTRICAL DEVICE AND LIGHT FIXTURE LAYOUT SHOWN ARE UNIT SPECIFIC, REFER TO INDICTATED ENLARGED PLAN FOR TYPICAL BRANCH CIRCUITRY REQUIREMENTS AND NOTING.



2 ELECTRICAL POWER PLAN-SECOND FLOOR-BUILDING A

1/8" = 1'-0"



1 ELECTRICAL POWER PLAN-MEZZANINE-BUILDING A

1/8" = 1'-0"

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02/16/2026

REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

E2.3

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1 **ELECTRICAL POWER PLAN-SECOND FLOOR-BUILDING B**
1/8" = 1'-0"

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NOTES BY SYMBOL

1. ELECTRICAL DEVICE AND LIGHT FIXTURE LAYOUT SHOWN ARE UNIT SPECIFIC, REFER TO INDICTATED ENLARGED PLAN FOR TYPICAL BRANCH CIRCUITRY REQUIREMENTS AND NOTING.
2. 200A/3P NON-FUSED DISCONNECT SWITCH. PROVIDE WITH SPST AUXILIARY CONTACTS RATED FOR MIN. 2A AT 24VDC. MAKE FINAL CONNECTION TO ELEVATOR FUSE BOX. COORDINATE REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
3. INSTALL RECEPTACLE ON WALL OF ELEVATOR HOISTWAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
4. 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT. PROVIDE (3) #12, #12G, 1/2"C BETWEEN ASSOCIATED OUTDOOR AND INDOOR A/C UNITS.

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NOTES BY SYMBOL

1. ELECTRICAL DEVICE AND LIGHT FIXTURE LAYOUT SHOWN ARE UNIT SPECIFIC, REFER TO INDICTATED ENLARGED PLAN FOR TYPICAL BRANCH CIRCUITRY REQUIREMENTS AND NOTING.
2. PROVIDE POWER FOR ELEVATOR SHUNT TRIP CONTROL. SEE 4:E6.1 FOR MORE INFORMATION.
3. 30A/2P DISCONNECT SWITCH WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. SWITCH SHALL BE CAPABLE OF BEING LOCKED "OFF". MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO INSPECTION AND TEST PANEL (LDU) AT THE TOP FLOOR WITHIN ELEVATOR DOOR JAMB.
4. ELEVATOR POWER MODULE SWITCH: 100A/208V/3P SWITCH COMPLETE WITH 60A DUAL ELEMENT, TIME DELAY CLASS 'J' FUSES, 120V CONTROL TRANSFORMER, FIRE ALARM SAFETY INTERFACE RELAY, KEY TEST SWITCH, GREEN PILOT LIGHT, AUXILIARY CONTACTS FOR ELEVATOR RECALL, AND FIRE ALARM VOLTAGE MONITORING RELAY. COOPER BUSSMAN #PS-6-T20-R1-K-G-B-F1 OR EQUAL. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
5. 100A/3P NON-FUSED DISCONNECT SWITCH. PROVIDE WITH SPST AUXILIARY CONTACTS RATED FOR MIN. 2A AT 24VDC. MAKE FINAL CONNECTION TO ELEVATOR FUSE BOX. COORDINATE REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
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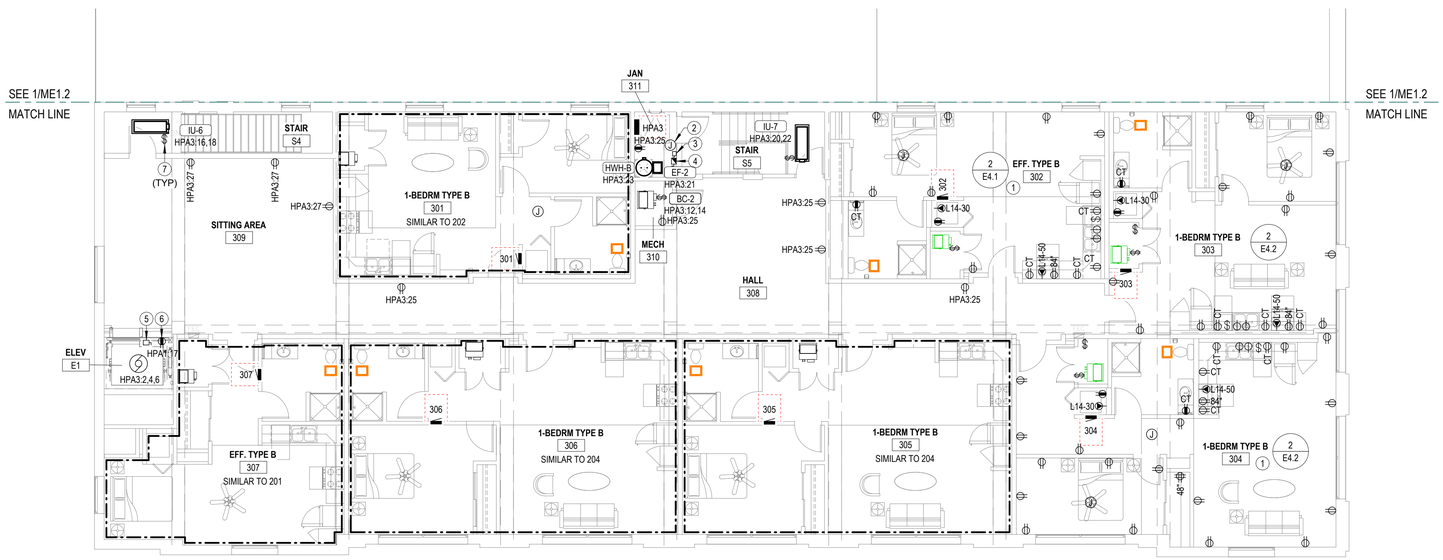

1 ELECTRICAL POWER PLAN-THIRD FLOOR-BUILDING A

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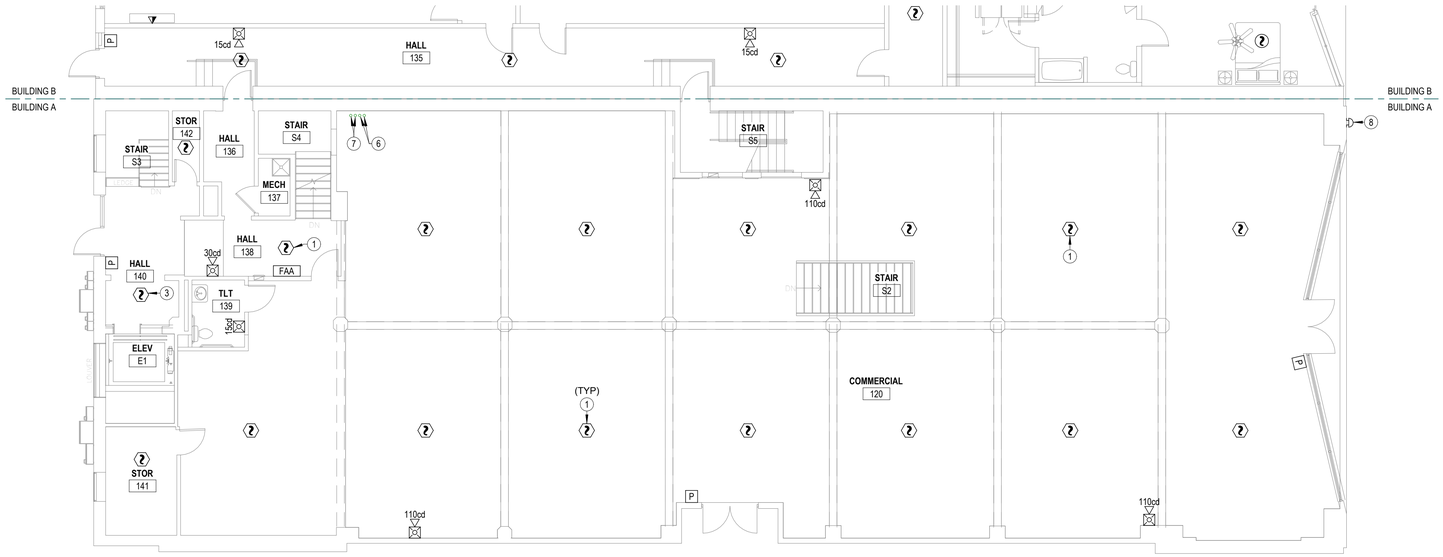
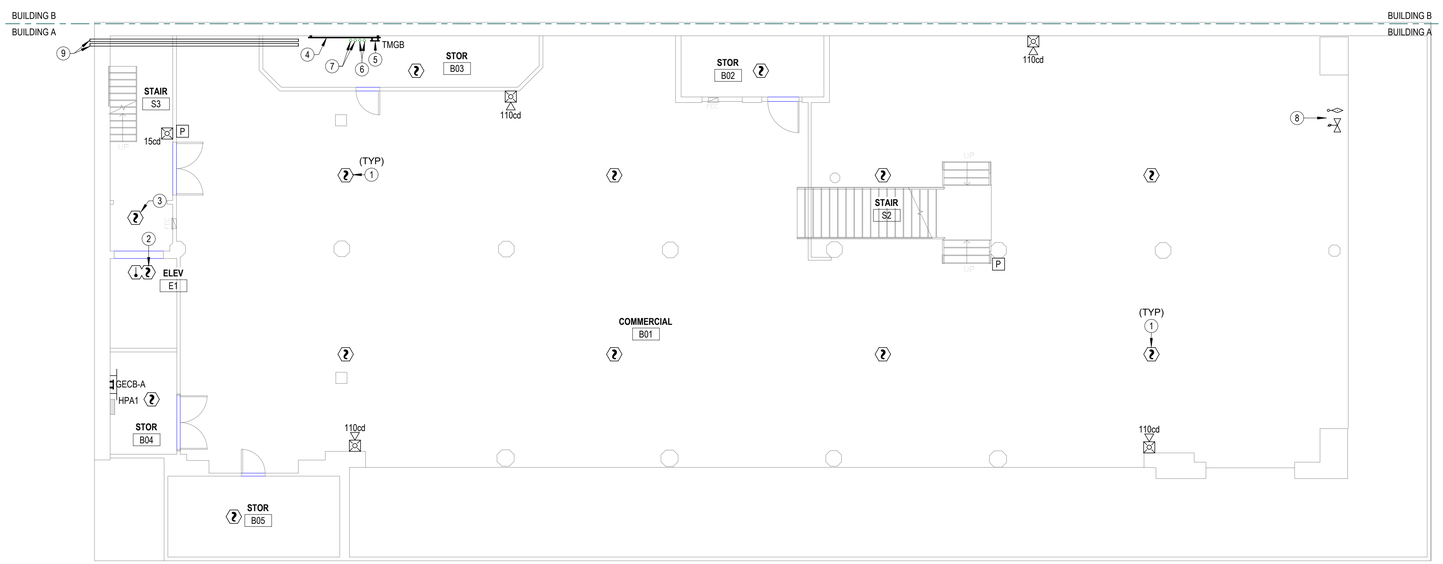
NOTES BY SYMBOL

1. FIRE ALARM SMOKE DETECTOR.
2. SMOKE DETECTOR AND HEAT DETECTOR IN ELEVATOR PIT FOR RECALL AND SHUT-DOWN. SEE DETAIL 1, SHEET E6.1.
3. ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 2, SHEET E6.1.
4. COVER WALL WITH 4'x8'x3/4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
5. TELECOMMUNICATIONS GROUND BAR, REFERENCE 1:E6.1 FOR MORE INFORMATION.
6. ROUTE COMMUNICATIONS SERVICES IN (2)3" CONDUITS FROM STORAGE 'B03' TO MECH '133' AS SHOWN. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
7. ROUTE COMMUNICATIONS SERVICES IN (2)3" CONDUITS FROM STORAGE 'B03' TO IT '221' AS SHOWN. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
8. PROVIDE ADDRESSABLE FIRE ALARM RELAYS AND MONITORING MODULES FOR ALL FIRE SPRINKLER FLOW SWITCHES, TAMPER SWITCHES AND BELL/GONG. COORDINATE QUANTITIES AND LOCATIONS WITH FIRE SPRINKLER CONTRACTOR.
9. (2) 2" CONDUITS FOR COMMUNICATIONS SERVICES. ROUTE HIGH IN BASEMENT FROM 'B03' TO EXTERIOR OF BUILDING. TERMINATE AND PROVIDE PULL STRING IN EACH RACEWAY. COORDINATE FINAL EXTERIOR ROUTING WITH CIVIL AND UTILITY.



2 SPECIAL SYSTEMS-FIRST FLOOR-BUILDING A

1/8" = 1'-0"



1 SPECIAL SYSTEMS-BASEMENT-BUILDING A

1/8" = 1'-0"

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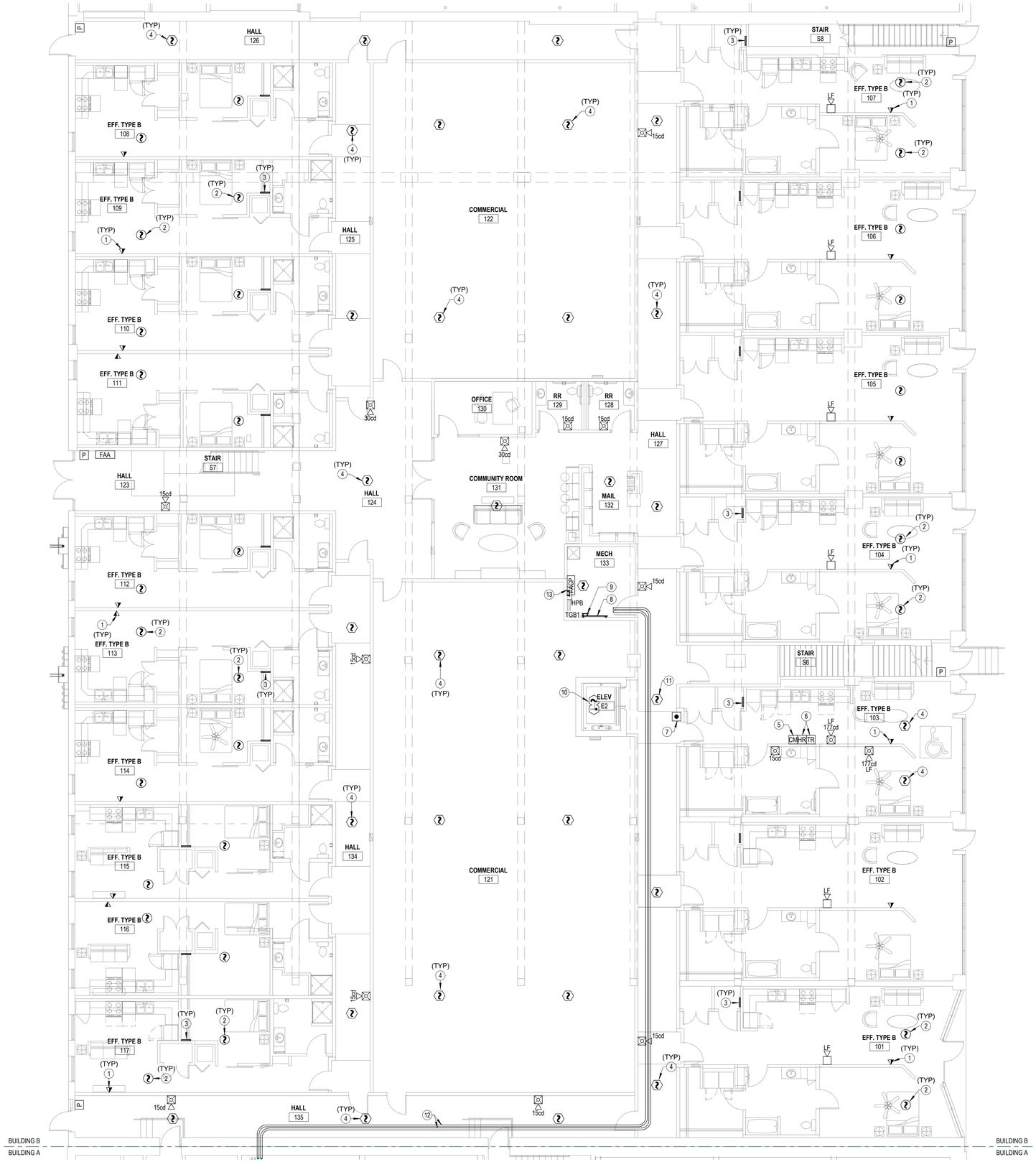
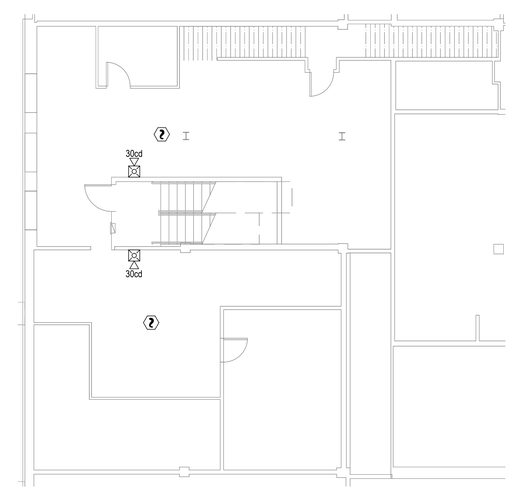


1 **SPECIAL SYSTEMS-FIRST FLOOR-BUILDING B**
1/8" = 1'-0"



2 **SPECIAL SYSTEMS-MEZZANINE-BUILDING B**
1/8" = 1'-0"

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NOTES BY SYMBOL

1. COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER.
2. CEILING MOUNTED SMOKE ALARM IN APARTMENTS OTHER THAN ADA AND HEARING IMPAIRED, TO BE 120VAC WITH 9V BATTERY BACKUP, INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE SHALL HAVE PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85 dB OUTPUT AT 10'. SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED, BRK#SC701BL OR EQUAL
3. TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER. ROUTE 3/4" CONDUIT WITH PULL STRING FROM DEVICE TO TELCOM BACKBOARD IN 'MECH 133'.
4. FIRE ALARM SMOKE DETECTOR.
5. FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'-0" AFF.
6. PROVIDE DOOR ANNUNCIATOR SYSTEM A/V HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 80" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. SEE DETAIL 2:E6.1. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR"
7. PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL 2:E6.1
8. COVER WALL WITH 4'x8'x3/4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6' AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
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12. ROUTE COMMUNICATIONS SERVICES IN (2)3" CONDUITS FROM STORAGE 'B03' TO MECH '133' AS SHOWN. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
13. PROVIDE (2) CAT 5e UTP, NEC TYPE 'CMP' CABLES (SUPERIOR ESSEX #51-241-48 OR EQUAL) IN 3/4" CONDUIT FROM FACP TO MAIN TELECOM TERMINAL BOARD FOR CONNECTION TO FA SYSTEM DACT FOR REMOTE MONITORING.

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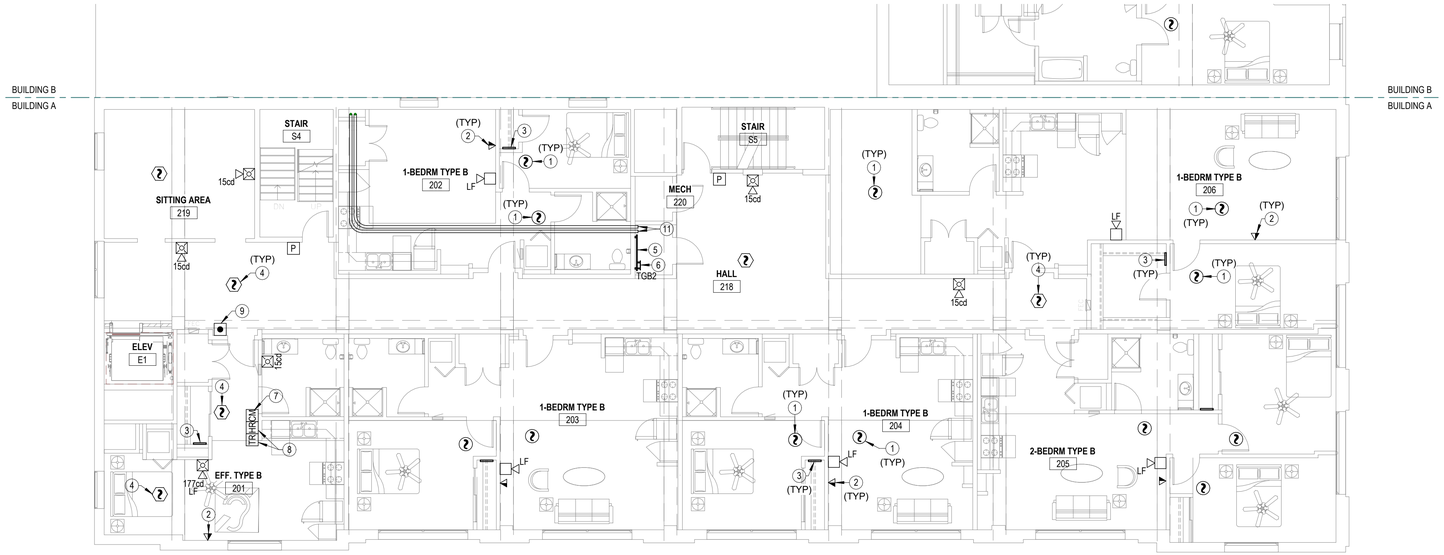
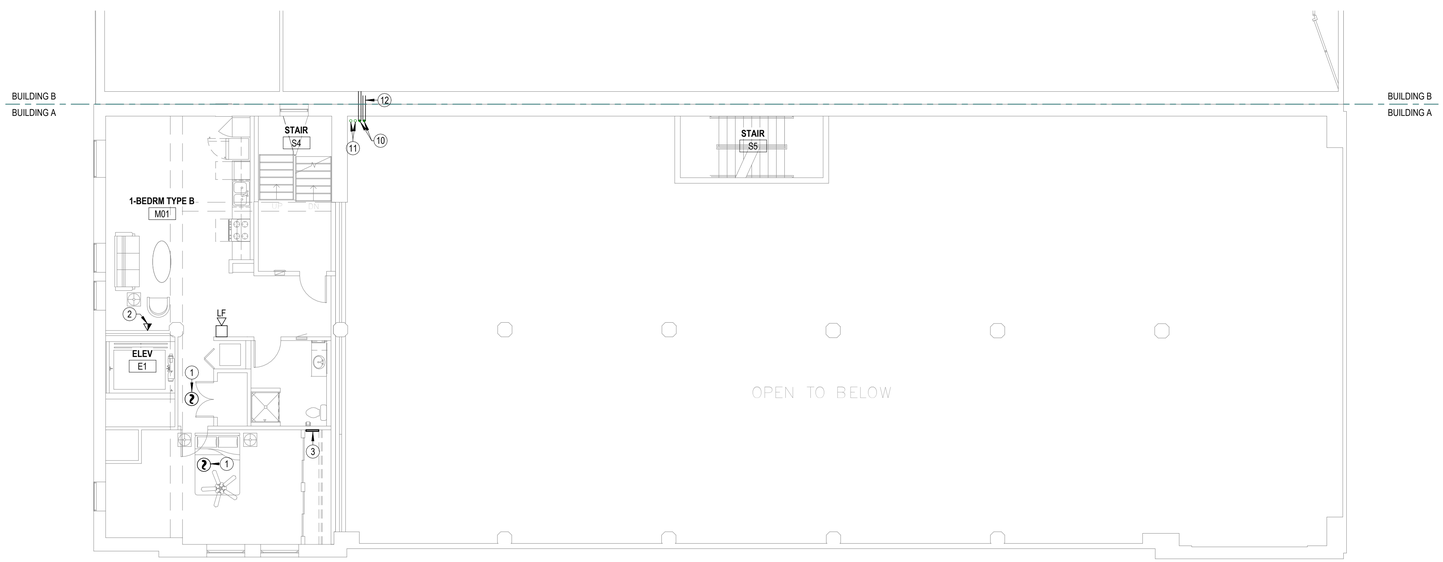
11. ROUTE COMMUNICATIONS SERVICES IN (2)3" CONDUITS FROM STORAGE 'B03' TO IT '221' AS SHOWN. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
12. PENETRATE CONDUIT THROUGH WALL WHERE CONDUIT WILL CONCEALED ABOVE CEILING OF BUILDING 'B' FIRST FLOOR. SEE 1:E3.2.



2 SPECIAL SYSTEMS-SECOND FLOOR-BUILDING A

1/8" = 1'-0"



1 SPECIAL SYSTEMS-MEZZANINE-BUILDING A

1/8" = 1'-0"

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02/16/2026

REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

E3.3

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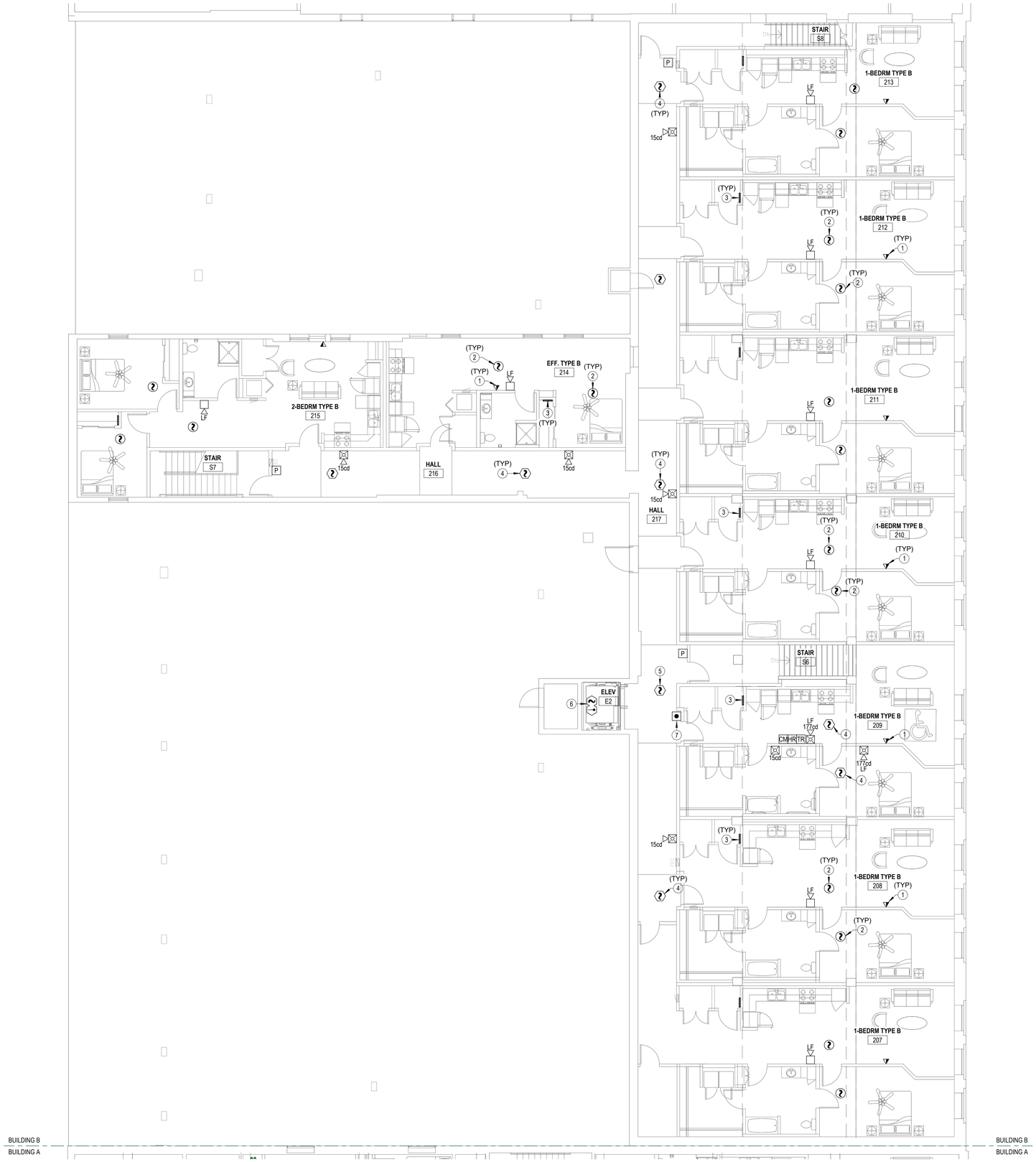

1 **SPECIAL SYSTEMS-SECOND FLOOR-BUILDING B**
1/8" = 1'-0"

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Project 25062 **2/16/2026**

ELECTRICAL SHEET NOTES

1. COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
2. AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY. GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITY SHALL BE ROUTED OVERHEAD TO FULLEST EXTENT POSSIBLE, WITH WIRING TO INDIVIDUAL DEVICES ON EXISTING BRICK WALLS INSTALLED VERTICALLY FROM ABOVE. ALL HORIZONTAL RACEWAY INSTALLATION ON WALLS SHALL OCCUR ABOVE PAINTLINE. OBTAIN APPROVAL OF ROUTING WITH ARCHITECT PRIOR TO INSTALLATION, AND COORDINATE INSTALLATION WITH OTHER TRADES.

NOTES BY SYMBOL

1. COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER.
2. CEILING MOUNTED SMOKE ALARM IN APARTMENTS OTHER THAN ADA AND HEARING IMPAIRED, TO BE 120VAC WITH 9V BATTERY BACKUP, INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE SHALL HAVE PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85 dB OUTPUT AT 10'. SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED, BRK#SC701BL OR EQUAL
3. TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER. ROUTE 3/4" CONDUIT WITH PULL STRING FROM DEVICE TO TELCOM BACKBOARD IN 'MECH 133'.
4. FIRE ALARM SMOKE DETECTOR.
5. ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 2, SHEET E6.1.
6. SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR HOISTWAY FOR RECALL AND SHUT-DOWN. SEE DETAIL 1, SHEET E6.1.
7. PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL 2,E6.1

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DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

E3.4

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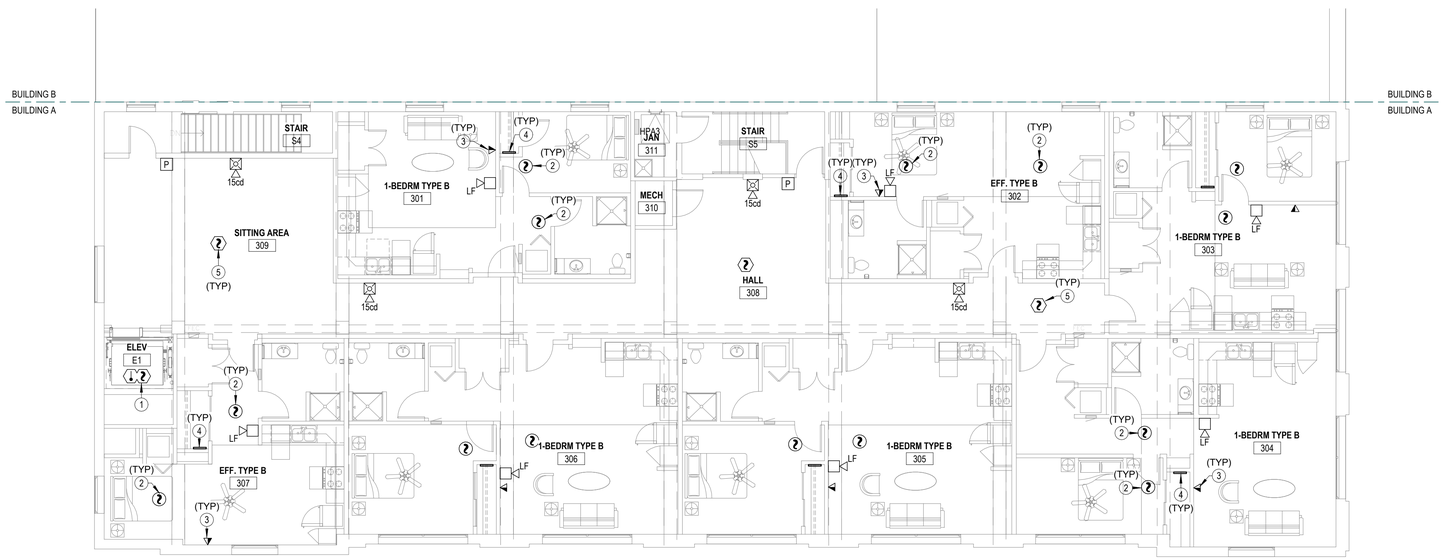
Project 25062 **2/16/2026**

ELECTRICAL SHEET NOTES

1. COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
2. AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY. GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITY SHALL BE ROUTED OVERHEAD TO FULLEST EXTENT POSSIBLE, WITH WIRING TO INDIVIDUAL DEVICES ON EXISTING BRICK WALLS INSTALLED VERTICALLY FROM ABOVE. ALL HORIZONTAL RACEWAY INSTALLATION ON WALLS SHALL OCCUR ABOVE PAINTLINE. OBTAIN APPROVAL OF ROUTING WITH ARCHITECT PRIOR TO INSTALLATION, AND COORDINATE INSTALLATION WITH OTHER TRADES.

NOTES BY SYMBOL

1. SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR HOISTWAY FOR RECALL AND SHUT-DOWN. SEE DETAIL 1, SHEET E6.1.
2. CEILING MOUNTED SMOKE ALARM IN APARTMENTS OTHER THAN ADA AND HEARING IMPAIRED, TO BE 120VAC WITH 9V BATTERY BACKUP, INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE SHALL HAVE PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85 dB OUTPUT AT 10', SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED, BRK#SC701BL OR EQUAL
3. COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER.
4. TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER. ROUTE 3/4" CONDUIT WITH PULL STRING FROM DEVICE TO TELCOM BACKBOARD IN 1T 221'.
5. FIRE ALARM SMOKE DETECTOR.



1 SPECIAL SYSTEMS-THIRD FLOOR-BUILDING A

1/8" = 1'-0"

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02/16/2026

REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

E3.5

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Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) {former circuit in brackets}
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GA	Combination Arc-Fault Interrupter (AFCI) Protection and Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit {former circuit in brackets}
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

NOTES BY SYMBOL

1. PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
2. SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
3. PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW:
   EFFICIENCY: 23 MINUTES PER HOUR
   1 BEDROOM: 23 MINUTES PER HOUR
   2 BEDROOM: 34 MINUTES PER HOUR
4. CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
5. SLIDE DIMMER CLOSEST TO DOOR SHALL CONTROLL ALL LIGHTS IN BEDROOM, AND THE OTHER SWITCH SHALL CONTROL THE CEILING FAN.
6. PROVIDE 120V CONNECTION TO MICROWAVE/RANGE HOOD. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
7. SWITCHED RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL. COORDINATE EXACT LOCATION OF SWITCH WITH ARCHITECT.
8. PROVIDE RECEPTACLE BELOW COUNTER FOR CORD AND PLUG CONNECTION OF DISHWASHER. PROVIDE CORD AND GROUNDING PLUG AS REQUIRED.
9. PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
10. PROVIDE SWITCH IN ACCESSIBLE UINTS FOR CONTROL OF RANGE HOOD.
11. IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 'SIDE REACH OVER AN OBSTRUCTION' REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE. PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
12. PROVIDE FAN EQUAL TO MINKA AIRE F626L-CL AND CEILING MOUNTED J-BOX FOR POWER TO CEILING FAN. COORDIANTE EXACT FAN SPEC AND INSTALLATION REQUIREMENTS WITH ARCHITECT AND INTERIOR DESIGNER.
13. PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7852D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
14. PROVIDE 40A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7842D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.

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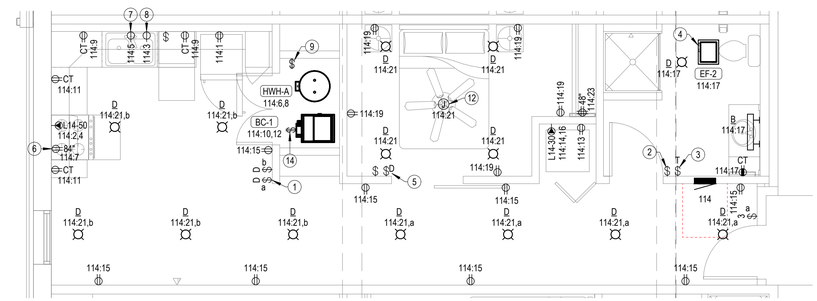
Project 25062 **2/16/2026**

Designation: 114

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1
Bus Amps: 125
MCB Amps: MLO
Features & Modifications: ˜
SCCR/AIC: 10.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A			B			FN	Trip (A)	Circuitry	Description	Ckt
114:1	REFRIGERATOR	1/2"C,1#12,#12N,#12G	20	GA	8.3 A	38....						50	3/4"C,2#6,#6N,#10G	ELECTRIC RANGE	114:2
114:3	DISHWASHER	1/2"C,1#12,#12N,#12G	20	GA				7.0 A	38...						114:4
114:5	GARBAGE DISPOSAL	1/2"C,1#12,#12N,#12G	20	GA	9.8 A	21....						30	1/2"C,2#10,#10G	HOT WATER HEATER "HWH-A"	114:6
114:7	MICROWAVE/HOOD	1/2"C,1#12,#12N,#12G	20	GA				8.3 A	21....						114:8
114:9	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA	3.0 A	30....						40	1/2"C,2#8,#10G	BLOWER COIL "BC-1"	114:10
114:11	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA				3.0 A	30....						114:12
114:13	WASHING MACHINE	1/2"C,1#12,#12N,#12G	20	GA	10....	24....						30	1/2"C,2#10,#10N,#10G	ELECTRIC DRYER	114:14
114:15	LIVING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A				12....	24....						114:16
114:17	BATHROOM	1/2"C,1#12,#12N,#12G	20	A	2.6 A	12....						20	1/2"C,2#12,#12G	HEAT PUMP "HP-1"	114:18
114:19	BEDROOM RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A				7.5 A	12....						114:20
114:21	LIGHTING	1/2"C,1#12,#12N,#12G	20	A	2.8 A	0.0 A						30	--	SURGE PROTECTION	114:22
114:23	DED. CLOSET IT QUAD	1/2"C,1#12,#12N,#12G	20	A				3.0 A	0.0 A						114:24

Notes:
PANEL SCHEDULE IS TYPICAL FOR UNITS: 108,109,110,111,112,113,114,115,116,117,201,214,302, AND 307.



2 ENLARGED ELECTRICAL PLAN - EFFICIENCY UNIT 114

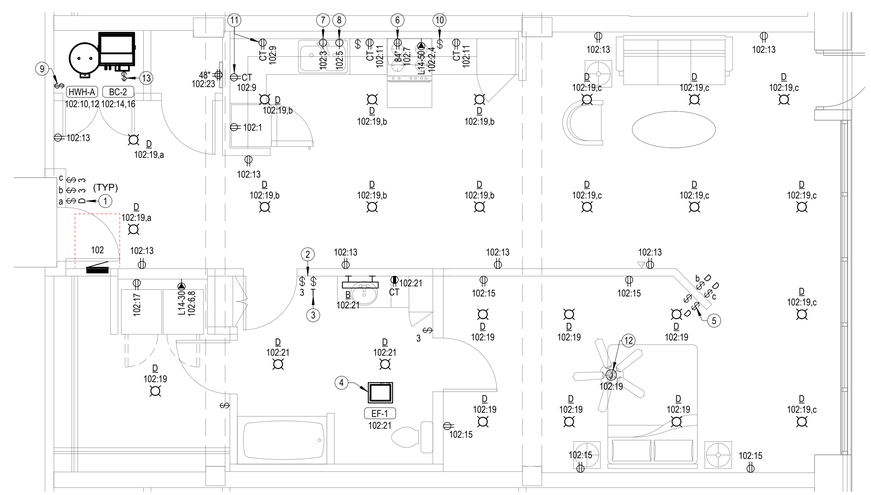
1/4" = 1'-0"

Designation: 102

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1
Bus Amps: 125
MCB Amps: MLO
Features & Modifications: ˜
SCCR/AIC: 10.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A			B			FN	Trip (A)	Circuitry	Description	Ckt
102:1	REFRIGERATOR	1/2"C,1#12,#12N,#12G	20	GA	8.3 A	38....						50	3/4"C,2#6,#6N,#10G	ELECTRIC RANGE	102:2
102:3	GARBAGE DISPOSAL	1/2"C,1#12,#12N,#12G	20	GA				9.8 A	38....						102:4
102:5	DISHWASHER	1/2"C,1#12,#12N,#12G	20	GA	7.0 A	24....						30	1/2"C,2#10,#10N,#10G	ELECTRIC CLOTHES DRYER	102:6
102:7	MICROWAVE/HOOD	1/2"C,1#12,#12N,#12G	20	GA				8.3 A	24....						102:8
102:9	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA	3.0 A	21....						30	1/2"C,2#10,#10G	HOT WATER HEATER "HWH-A"	102:10
102:11	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA				3.0 A	21....						102:12
102:13	LIVING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	12....	39....						50	3/4"C,2#6,#10G	BLOWER COIL "BC-2"	102:14
102:15	BEDROOM RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A				7.5 A	39....						102:16
102:17	WASHING MACHINE	1/2"C,1#12,#12N,#12G	20	GA	10....	16....						25	1/2"C,2#10,#10G	HEAT PUMP "HP-2"	102:18
102:19	LIGHTING	1/2"C,1#12,#12N,#12G	20	A				4.0 A	16....						102:20
102:21	BATHROOM	1/2"C,1#12,#12N,#12G	20	A	2.7 A	0.0 A						30	--	SURGE PROTECTION	102:22
102:23	DED. CLOSET IT QUAD	1/2"C,1#12,#12N,#12G	20	A				3.0 A	0.0 A						102:24

Notes:
PANEL SCHEDULE IS TYPICAL FOR UNITS: 101,102,103,104,105,106, AND 107.



1 ENLARGED ELECTRICAL PLAN - EFFICIENCY UNIT 102

1/4" = 1'-0"

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REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

E4.1

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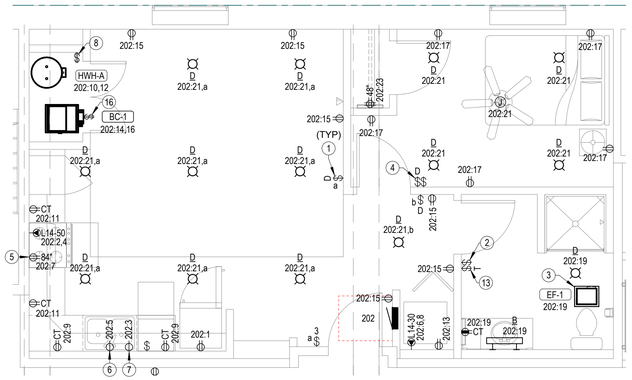
Breaker Function Schedule	
#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) {former circuit in brackets}
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GA	Combination Arc-Fault Interrupter (AFCI) Protection and Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit {former circuit in brackets}
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)



3 ENLARGED ELECTRICAL PLAN - 1 BEDROOM UNIT 202

1/4" = 1'-0"

Designation: 202

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1

Bus Amps: 125
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC: 10.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A		B		FN	Trip (A)	Circuitry	Description	Ckt
202:1	REFRIGERATOR	1/2"C,1#12,#12N,#12G	20	GA	8.3 A	38....				50	3/4"C,2#6,#10G	ELECTRIC RANGE	202:2
202:3	DISHWASHER	1/2"C,1#12,#12N,#12G	20	GA			7.0 A	38....					202:4
202:5	GARBAGE DISPOSAL	1/2"C,1#12,#12N,#12G	20	GA	9.8 A	24....				30	1/2"C,2#10,#10G	ELECTRIC CLOTHES DRYER	202:6
202:7	MICROWAVE/HOOD	1/2"C,1#12,#12N,#12G	20	GA			8.3 A	24....					202:8
202:9	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA	3.0 A	21....				30	1/2"C,2#10,#10G	ELECTRIC WATER HEATER "HWH-A"	202:10
202:11	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA			3.0 A	21....					202:12
202:13	WASHING MACHINE	1/2"C,1#12,#12N,#12G	20	GA	1.5 A	30....				40	1/2"C,2#6,#10G	BLOWER COIL "BC-1"	202:14
202:15	LIVING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A			9.0 A	30....					202:16
202:17	BEDROOM RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	7.5 A	12....				20	1/2"C,2#12,#12G	HEAT PUMP "HP-1"	202:18
202:19	BATHROOM	1/2"C,1#12,#12N,#12G	20	A			2.6 A	12....					202:20
202:21	LIGHTING	1/2"C,1#12,#12N,#12G	20	A	2.8 A	0.0 A				30	--	SURGE PROTECTION	202:22
202:23	DED. CLOSET IT QUAD	1/2"C,1#12,#12N,#12G	20	A			3.0 A	0.0 A					202:24

Notes:
PANEL SCHEDULE IS TYPICAL FOR UNITS: 202 AND 301.

Designation: 204

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1

Bus Amps: 150
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC:
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A		B		FN	Trip (A)	Circuitry	Description	Ckt
204:1	REFRIGERATOR	1/2"C,1#12,#12N,#12G	20	GA	8.3 A	38....				50	3/4"C,2#6,#6N,#10G	ELECTRIC RANGE	204:2
204:3	DISHWASHER	1/2"C,1#12,#12N,#12G	20	GA			7.0 A	38....					204:4
204:5	GARBAGE DISPOSAL	1/2"C,1#12,#12N,#12G	20	GA	9.8 A	21....				30	1/2"C,2#10,#10G	ELECTRIC WATER HEATER "HWH-A"	204:6
204:7	MICROWAVE/HOOD	1/2"C,1#12,#12N,#12G	20	GA			8.3 A	21....					204:8
204:9	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA	3.0 A	24....				30	1/2"C,2#10,#10N,#10G	ELECTRIC CLOTHES DRYER	204:10
204:11	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA			4.5 A	24....					204:12
204:13	LIVING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	13...	42....				60	3/4"C,2#4,#10G	BLOWER COIL "BC-4" FAN + HEATER CIRCUIT #1	204:14
204:15	WASHING MACHINE	1/2"C,1#12,#12N,#12G	20	GA			10....	42....					204:16
204:17	BEDROOM RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	7.5 A	17....				25	1/2"C,2#10,#10G	BLOWER COIL "BC-4" HEATER CIRCUIT #2	204:18
204:19	BATHROOM	1/2"C,1#12,#12N,#12G	20	A			2.6 A	17....					204:20
204:21	LIGHTING	1/2"C,1#12,#12N,#12G	20	A	2.9 A	16....				40	1/2"C,2#6,#10G	HEAT PUMP "HP-4"	204:22
204:23	DED. CLOSET IT QUAD	1/2"C,1#12,#12N,#12G	20	A			3.0 A	16....					204:24
204:25	SPARE	--	20	A	0.0 A	--			--	--	--	SPACE	204:26
204:27	SPARE	--	20	A			0.0 A	0.0 A		30	--	SURGE PROTECTION	204:28
204:29	SPARE	--	20	A	0.0 A	0.0 A							204:30

Notes:
PANEL SCHEDULE IS TYPICAL FOR UNITS:203,204,304,305, AND 306.

Designation: 207

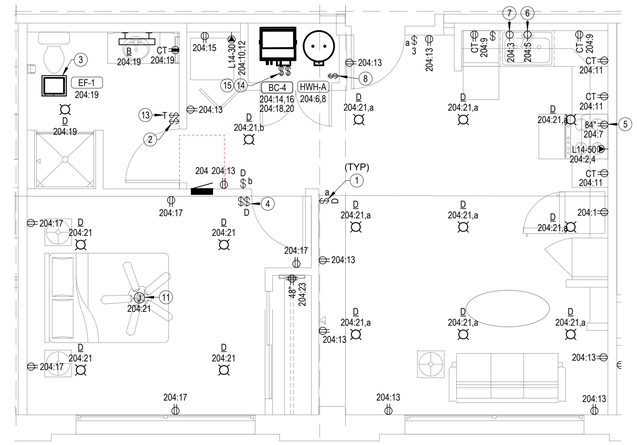
Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1

Bus Amps: 125
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC: 10.0 kA
Mains FN/Note: -

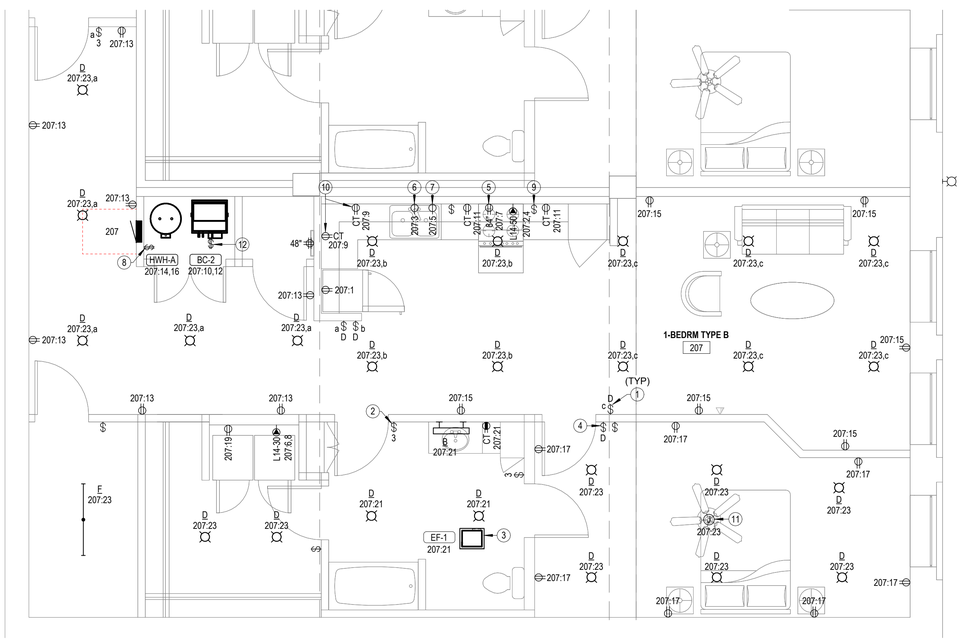
Ckt	Description	Circuitry	Trip (A)	FN	A		B		FN	Trip (A)	Circuitry	Description	Ckt
207:1	REFRIGERATOR	1/2"C,1#12,#12N,#12G	20	GA	8.3 A	38....				50	3/4"C,2#6,#6N,#10G	ELECTRIC RANGE	207:2
207:3	GARBAGE DISPOSAL	1/2"C,1#12,#12N,#12G	20	GA			9.8 A	38....					207:4
207:5	DISHWASHER	1/2"C,1#12,#12N,#12G	20	GA	7.0 A	24....				30	1/2"C,2#10,#10N,#10G	ELECTRIC DRYER	207:6
207:7	MICROWAVE/HOOD	1/2"C,1#12,#12N,#12G	20	GA			8.3 A	24....					207:8
207:9	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA	3.0 A	39....				50	3/4"C,2#6,#10G	BLOWER COIL "BC-2"	207:10
207:11	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA			3.0 A	39....					207:12
207:13	ENTRYWAY RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	10....	21....				30	1/2"C,2#10,#10G	Electric Water Heating	207:14
207:15	LIVING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A			9.0 A	21....					207:16
207:17	BEDROOM RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	10....	16....				25	1/2"C,2#10,#10G	HEAT PUMP "HP-2"	207:18
207:19	WASHING MACHINE	1/2"C,1#12,#12N,#12G	20	GA			10....	16....					207:20
207:21	BATHROOM	1/2"C,1#12,#12N,#12G	20	A	2.7 A	--			--	--	--	SPACE	207:22
207:23	LIGHTING	1/2"C,1#12,#12N,#12G	20	A			4.3 A	--	--	--	--	SPACE	207:24
207:25	DED. CLOSET IT QUAD	1/2"C,1#12,#12N,#12G	20	A	3.0 A	--			--	--	--	SPACE	207:26
207:27	SPARE	--	20	A			0.0 A	0.0 A		30	--	SURGE PROTECTION	207:28
207:29	SPARE	--	20	A	0.0 A	0.0 A							207:30

Notes:
PANEL SCHEDULE IS TYPICAL FOR UNITS: M01,206,207,208,209,210,211,212,213, AND 303.



2 ENLARGED ELECTRICAL PLAN - 1 BEDROOM UNIT 204

1/4" = 1'-0"



1 ENLARGED ELECTRICAL PLAN - 1 BEDROOM UNIT 207

1/4" = 1'-0"

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Project 25062 — 2/16/2026

NOTES BY SYMBOL

1. PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
2. SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
3. CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
4. SLIDE DIMMER CLOSEST TO DOOR SHALL CONTROLL ALL LIGHTS IN BEDROOM, AND THE OTHER SWITCH SHALL CONTROL THE CEILING FAN.
5. PROVIDE 120V CONNECTION TO MICROWAVE/RANGE HOOD. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
6. SWITCHED RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL. COORDINATE EXACT LOCATION OF SWITCH WITH ARCHITECT.
7. PROVIDE RECEPTACLE BELOW COUNTER FOR CORD AND PLUG CONNECTION OF DISHWASHER. PROVIDE CORD AND GROUNDING PLUG AS REQUIRED.
8. PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
9. PROVIDE SWITCH IN ACCESSIBLE UNITS FOR CONTROL OF RANGE HOOD.
10. IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 'SIDE REACH OVER AN OBSTRUCTION' REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE. PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
11. PROVIDE FAN EQUAL TO MINKA AIRE F626L-CL AND CEILING MOUNTED J-BOX FOR POWER TO CEILING FAN. COORDIANTE EXACT FAN SPEC AND INSTALLATION REQUIREMENTS WITH ARCHITECT AND INTERIOR DESIGNER.
12. PROVIDE 60A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7862D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
13. PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW:
    EFFICIENCY: 23 MINUTES PER HOUR
    1 BEDROOM: 23 MINUTES PER HOUR
    2 BEDROOM: 34 MINUTES PER HOUR
14. PROVIDE 30A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7832 OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
15. PROVIDE 60A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7862D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
16. PROVIDE 40A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7842D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.

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02/16/2026

REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:
E4.2

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Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit {now Spare or Space} {former circuit in brackets}
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GA	Combination Arc-Fault Interrupter (AFCI) Protection and Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit {former circuit in brackets}
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

Designation: 205

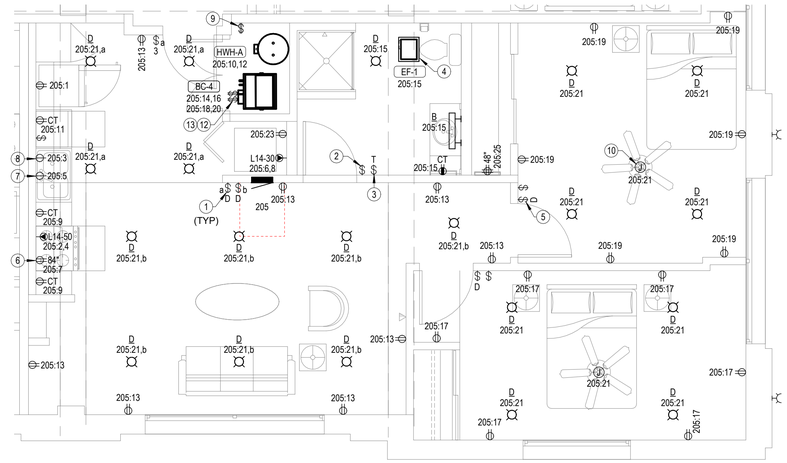
Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1

Bus Amps: 150
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC:
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A		B		FN	Trip (A)	Circuitry	Description	Ckt
205:1	REFRIGERATOR	1/2"C,1#12,#12G	20	GA	8.3 A	38....				50	3/4"C,2#6,#6N,#10G	ELECTRIC RANGE	205:2
205:3	DISHWASHER	1/2"C,1#12,#12N,#12G	20	GA			7.0 A	38....					205:4
205:5	GARBAGE DISPOSAL	1/2"C,1#12,#12N,#12G	20	GA	9.8 A	24....				30	1/2"C,2#10,#10N,#10G	ELECTRIC CLOTHES DRYER	205:6
205:7	MICROWAVE/HOOD	1/2"C,1#12,#12N,#12G	20	GA			8.3 A	24....					205:8
205:9	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA	3.0 A	21....				30	1/2"C,2#10,#10G	ELECTRIC WATER HEATER "HWH-A"	205:10
205:11	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA			1.5 A	21....					205:12
205:13	LIVING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	12....	42....				60	3/4"C,2#4,#10G	BLOWER COIL "BC-4"	205:14
205:15	BATHROOM	1/2"C,1#12,#12N,#12G	20	A			2.6 A	42....				ELECTRIC HEATER CIRCUIT #1 + FAN	205:16
205:17	BEDROOM #1 RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	9.0 A	17....				25	1/2"C,2#10,#10G	BLOWER COIL "BC-4"	205:18
205:19	BEDROOM #2 RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A			9.0 A	17....				ELECTRIC HEATER CIRCUIT #2	205:20
205:21	LIGHTING	1/2"C,1#12,#12N,#12G	20	A	4.8 A	16....				40	1/2"C,2#8,#10G	HEAT PUMP "HP-4"	205:22
205:23	WASHING MACHINE	1/2"C,1#12,#12N,#12G	20	GA			1.5 A	16....					205:24
205:25	DED. CLOSET IT QUAD	1/2"C,1#12,#12N,#12G	20	A	3.0 A	--			--	--	--	SPACE	205:26
205:27	SPARE	--	20	A			0.0 A	0.0 A		30	--	SURGE PROTECTION	205:28
205:29	SPARE	--	20	A	0.0 A	0.0 A							205:30

Notes:



2 ENLARGED ELECTRICAL PLAN - 2 BEDROOM UNIT 205

1/4" = 1'-0"

Designation: 215

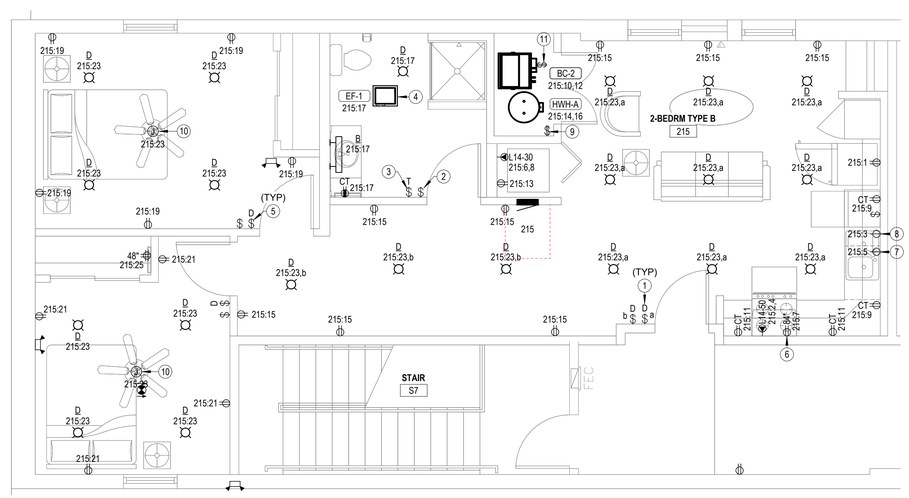
Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1

Bus Amps: 150
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC:
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A		B		FN	Trip (A)	Circuitry	Description	Ckt
215:1	REFRIGERATOR	1/2"C,1#12,#12G	20	GA	8.3 A	38....				50	3/4"C,2#6,#6N,#10G	ELECTRIC RANGE	215:2
215:3	DISHWASHER	1/2"C,1#12,#12N,#12G	20	GA			7.0 A	38....					215:4
215:5	GARBAGE DISPOSAL	1/2"C,1#12,#12N,#12G	20	GA	9.8 A	24....				30	1/2"C,2#10,#10N,#10G	ELECTRIC DRYER	215:6
215:7	MICROWAVE/HOOD	1/2"C,1#12,#12N,#12G	20	GA			8.3 A	24....					215:8
215:9	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA	3.0 A	39....				50	3/4"C,2#6,#10G	BLOWER COIL "BC-2"	215:10
215:11	KITCHEN CT RECEPTACLES	1/2"C,1#12,#12N,#12G	20	GA			3.0 A	39....					215:12
215:13	WASHING MACHINE	1/2"C,1#12,#12N,#12G	20	GA	10....	21....				30	1/2"C,2#10,#10G	ELECTRIC WATER HEATER "HWH-A"	215:14
215:15	LIVING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A			12....	21....					215:16
215:17	BATHROOM	1/2"C,1#12,#12N,#12G	20	A	2.6 A	16....				25	1/2"C,2#10,#10G	HEAT PUMP "HP-2"	215:18
215:19	BEDROOM #1 RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A			7.5 A	16....					215:20
215:21	BEDROOM #2 RECEPTACLES	1/2"C,1#12,#12N,#12G	20	A	6.0 A	--				--	--	SPACE	215:22
215:23	LIGHTING	1/2"C,1#12,#12N,#12G	20	A			4.9 A	--		--	--	SPACE	215:24
215:25	DED. CLOSET IT QUAD	1/2"C,1#12,#12N,#12G	20	A	3.0 A	--				--	--	SPACE	215:26
215:27	SPARE	--	20	A			0.0 A	0.0 A		30	--	SURGE PROTECTION	215:28
215:29	SPARE	--	20	A	0.0 A	0.0 A							215:30

Notes:



1 ENLARGED ELECTRICAL PLAN - 2 BEDROOM UNIT 215

1/4" = 1'-0"

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Project 25062 **2/16/2026**

NOTES BY SYMBOL

1. PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
2. SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
3. PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW:
   EFFICIENCY: 23 MINUTES PER HOUR
   1 BEDROOM: 23 MINUTES PER HOUR
   2 BEDROOM: 34 MINUTES PER HOUR
4. CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
5. SLIDE DIMMER CLOSEST TO DOOR SHALL CONTROLL ALL LIGHTS IN BEDROOM, AND THE OTHER SWITCH SHALL CONTROL THE CEILING FAN.
6. PROVIDE 120V CONNECTION TO MICROWAVE/RANGE HOOD. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
7. SWITCHED RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL. COORDINATE EXACT LOCATION OF SWITCH WITH ARCHITECT.
8. PROVIDE RECEPTACLE BELOW COUNTER FOR CORD AND PLUG CONNECTION OF DISHWASHER. PROVIDE CORD AND GROUNDING PLUG AS REQUIRED.
9. PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
10. PROVIDE FAN EQUAL TO MINKA AIRE F626L-CL AND CEILING MOUNTED J-BOX FOR POWER TO CEILING FAN. COORDIANTE EXACT FAN SPEC AND INSTALLATION REQUIREMENTS WITH ARCHITECT AND INTERIOR DESIGNER.
11. PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7862D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
12. PROVIDE 60A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7862D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
13. PROVIDE 30A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7832 OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.

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JOB: 25-3484
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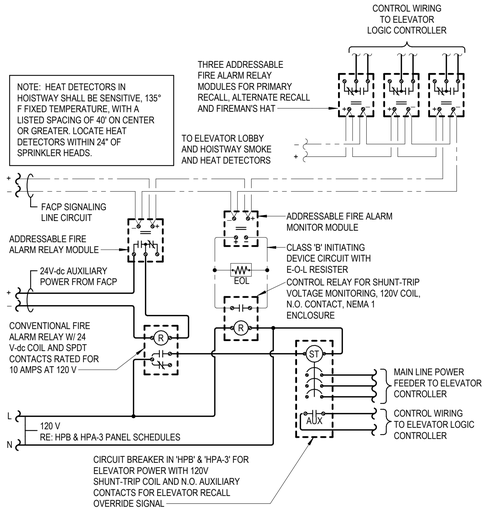
Project 25062 **2/16/2026**



ELEVATOR RECALL AND SHUT-DOWN SEQUENCE OF OPERATION:

1. UPON SENSING SMOKE FROM ONE OR MORE ELEVATOR LOBBY OR HOISTWAY, THE SMOKE DETECTOR SHALL SIGNAL THE FIRE ALARM CONTROL PANEL, WHICH WILL FORWARD THE SIGNAL TO THE ELEVATOR LOGIC CONTROLLER VIA ADDRESSABLE RELAY MODULES TO RECALL ELEVATOR CAB TO THE PRIMARY RECALL FLOOR. IF PRIMARY RECALL FLOOR'S LOBBY SMOKE DETECTOR SENSES SMOKE AT THAT FLOOR, THE ELEVATOR CONTROLLER WILL SEND THE ELEVATOR CAB TO THE NEXT FLOOR CLEAR OF SMOKE. ONCE THE ELEVATOR CAB HAS REACHED THE DESIGNATED FLOOR, THE ELEVATOR CAB DOORS WILL OPEN AND THE CONTROLLER WILL LOCK THE ELEVATOR CAB AT THAT FLOOR, DISABLING THE ELEVATOR CAB CONTROLS, UNLESS A FIREMAN'S KEY IS USED TO OVERRIDE AUTOMATIC CONTROLS.
2. ALL SMOKE DETECTORS ASSOCIATED WITH ELEVATOR RECALL (LOBBY AND HOISTWAY) SHALL TRANSMIT A SEPARATE AND DISTINCT VISIBLE ANNUNCIATION AT THE FIRE ALARM CONTROL PANEL.
3. UPON SENSING A HEAT ALARM CONDITION IN THE ELEVATOR HOISTWAY, THE HEAT DETECTOR SHALL SIGNAL THE FIRE ALARM CONTROL PANEL, WHICH WILL FORWARD THE SIGNAL TO THE ADDRESSABLE RELAY MODULE TO ACTIVATE (VIA A CONVENTIONAL FIRE ALARM RELAY) THE SHUNT-TRIP BREAKER POWERING THE ELEVATOR SO AS TO DISCONNECT POWER TO THAT CIRCUIT. THIS IS TO BE A NON-AUTO RESET SWITCH. WHEN THE SPRINKLER HEAD HAS REACHED ITS CRITICAL TEMPERATURE OF 165° F., THE HEAD WILL BEGIN DISCHARGE OF WATER.

4 ELEVATOR RECALL AND SHUT-DOWN WIRING DIAGRAM
NO SCALE

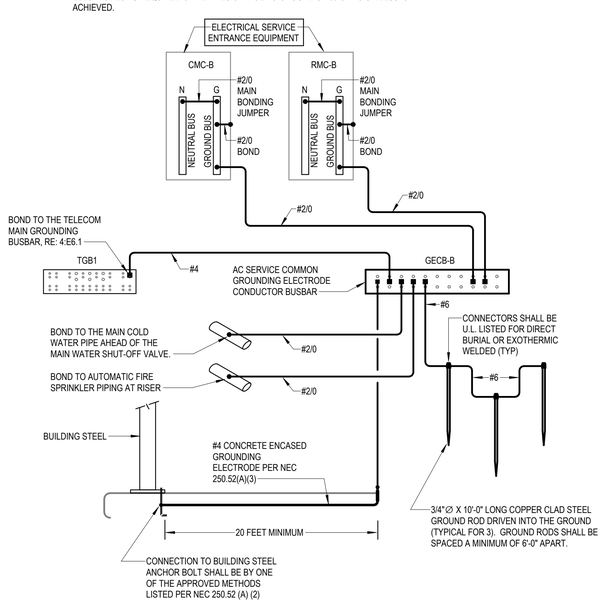
LIGHT FIXTURE SCHEDULE

GENERAL:
- ALL LEDs SHALL BE 3000K CORRELATED COLOR TEMPERATURE, MINIMUM 80 CRI.
- ALL LED FIXTURES SHALL ADHERE TO LM79 AND LM80 STANDARDS.
- PROVIDE MANUFACTURERS' FLANGE KIT WHERE LAY-IN FIXTURES ARE TO BE INSTALLED IN GYP.

NOTES:
1. PROVIDE FIXTURE WITH INTEGRAL EMERGENCY BATTERY AND CHARGER WITH SELF-DIAGNOSTIC/SELF-TESTING ELECTRONICS.
2. FIXTURE SHALL BE CAPABLE OF WALL OR CEILING MOUNT APPLICATIONS AND SHALL HAVE BREAK-OUT DIRECTIONAL CHEVRONS.
3. PROVIDE FIXTURE WITH INTEGRAL OCCUPANCY SENSOR AND CONTROLS TO DIM FIXTURE TO 50% LIGHT OUTPUT WHEN UNOCCUPIED.
4. LIGHT FIXTURE SELECTED BY INTERIOR DESIGNER AND PROVIDED BY E.C. ALL SUBSTITIUTIONS SHALL BE APPROVED BY INTERIOR DESIGNER.
5. FIXTURE SHALL BE CAPABLE OF OPERATION IN TEMPERATURES RANGING FROM -4F THROUGH 104F.
6. U.L. LISTED FOR 'WET LOCATION'.
7. COORDINATE COLOR WITH ARCHITECT.

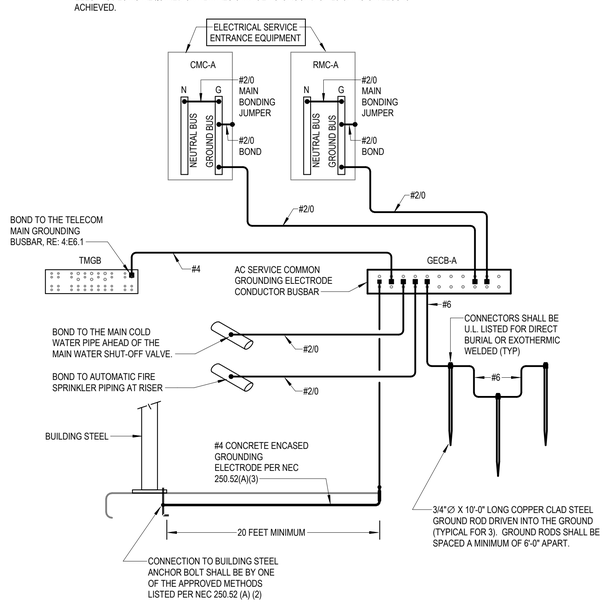
MARK	MANUFACTURER	MODEL NUMBER	WATTAGE	LUMEN OUTPUT	DRIVER	MOUNTING	FINISH	DESCRIPTION	NOTES
A	DAY-BRITE CFI	2SBP3040L8CS-2-UNV-DIM	28 W	3434 lm	0-10V DIMMING TO 5%	LAY-IN	WHITE	2X2 BACKLIT LED FLAT PANEL WITH EXTRUDED ALUMINUM FRAME AND FLAT OPAL DIFFUSER	--
B	WROUGHT STUDIOS	JESSERAY 1	18 W	1400 lm	STANDARD	SURFACE WALL	COORD. W/ ARCH.	24" BATHROOM VANITY LIGHT SELECTED BY INTERIOR DESIGNER	5
D	HALO	SMX6RLSFSDZW	13 W	1200 lm	LED DRIVER, DIMMABLE	CEILING SURFACE	WHITE	6" DIA ROUND SURFACE MOUNT DOWNLIGHT WITH SELECTABLE LUMEN OUTPUT	--
E	LITHONIA	ELM6L UVOLT LTP	3 W	1100 lm	--	SURFACE WALL		ELU INDOOR, TWO HEAD	
F	DAY-BRITE CFI	FSS440L830-UNV-DIM	30 W	4077 lm	0-10V DIMMING TO 10%	SUSPENDED	WHITE	4' STANDARD STRIP WITH CURVED FROSTED ACRYLIC LENS	--
M	H.E. WILLIAMS	96-4-L40/830-HIAFR-WET/1-DRV-UNV	30 W	4700 lm	0-10V DIMMING TO 10%	SURFACE WALL HORIZONTAL	WHITE	4 FT. FULLY ENCLOSED AND GASKETED INDUSTRIAL FIXTURE WITH FROSTED, RIBBED, IMPACT-RESISTANT ACRYLIC LENS	--
O	<varies>	WL4-40L-EZ1-LP830-MSD7-DIM50-E10WLCP	40 W	3927 lm	LED DRIVER, DIMMABLE	SURFACE WALL	WHITE	4 FT. WALL MOUNTED STAIRWELL LIGHT WITH EMERGENCY BATTERY BACKUP	3
Q1	GARDCO	GCM-B02-830-WAW-UNV-XX	18 W	1397 lm	STANDARD	WALL	COORD. W/ ARCH.	EXTERIOR LED UPLIGHT. COORDINATE FINISH COLOR WITH ARCHITECT.	4,7
Q2	GARDCO	GCM-B05-830-SPT-UNV-XX	36 W	3068 lm	STANDARD	WALL	COORD. W/ ARCH.	EXTERIOR UP/DOWN WALL LIGHT	4,7
W	GARDCO	GWM-A07-830-T2M-UNV-EC	23 W	3522 lm	STANDARD	WALL	BLACK	EXTERIOR LED WALL PACK WITH IES TYPE IV DISTRIBUTION WITH EMERGENCY BATTERY PACK.	5,6,7
X1	LITHONIA	LQM S W RG MVOLT EL SD	5 W		--	CEILING		SINGLE SIDED EXIT SIGN WITH BATTERY BACKUP AND SELF-DIAGNOSTICS	1,2
X2	LITHONIA	LQM S W RG MVOLT EL SD	5 W		--	CEILING		DOUBLE SIDED EXIT SIGN WITH BATTERY BACKUP AND SELF-DIAGNOSTICS	1,2
XE	LITHONIA	LHQM LED R HO	4 W	1045 lm	--	WALL		EXIT/EMERGENCY COMBINATION	1,2
XER	LITHONIA	LHQM LED R HO + ELMRW LP220T	8 W	1045 lm	--	WALL		EXIT/EMERGENCY COMBO WITH EXTERIOR REMOTE HEADS	1,2

NOTES:
1. COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR SHALL BE 1/4" THICK x 4" WIDE x 24" LONG, TIN PLATED COPPER BUSBAR. PROVIDE COMPLETE WITH INSULATING STAND OFFS, STAINLESS STEEL BRACKETS AND MOUNTING BOLTS. MOUNT ON WALL AT 18" AFF. ERICO #EGBA14424CCT OR EQUAL.
2. ALL CONNECTIONS TO GROUNDING BUSBAR SHALL BE MADE USING COMPRESSION TYPE LUGS (BURNDY 'YAZ' SERIES OR EQUAL). MECHANICAL LUGS ARE NOT ACCEPTABLE.
3. INSTALL ALL GROUNDING ELECTRODE CONDUCTORS IN 3/4" CONDUIT WHERE EXPOSED AND WHERE SUBJECT TO PHYSICAL DAMAGE.
4. CONTRACTOR SHALL MEASURE RESISTANCE TO GROUND AND PROVIDE ADDITIONAL GROUND ROD OR PLATE ELECTRODES AS REQUIRED UNTIL A RESISTANCE TO GROUND OF 25 OHMS OR LESS IS ACHIEVED.

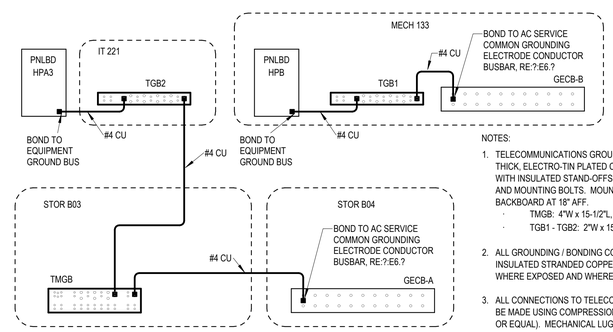


3 AC SERVICE GROUNDING DETAIL - BUILDING B
NO SCALE

NOTES:
1. COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR SHALL BE 1/4" THICK x 4" WIDE x 24" LONG, TIN PLATED COPPER BUSBAR. PROVIDE COMPLETE WITH INSULATING STAND OFFS, STAINLESS STEEL BRACKETS AND MOUNTING BOLTS. MOUNT ON WALL AT 18" AFF. ERICO #EGBA14424CCT OR EQUAL.
2. ALL CONNECTIONS TO GROUNDING BUSBAR SHALL BE MADE USING COMPRESSION TYPE LUGS (BURNDY 'YAZ' SERIES OR EQUAL). MECHANICAL LUGS ARE NOT ACCEPTABLE.
3. INSTALL ALL GROUNDING ELECTRODE CONDUCTORS IN 3/4" CONDUIT WHERE EXPOSED AND WHERE SUBJECT TO PHYSICAL DAMAGE.
4. CONTRACTOR SHALL MEASURE RESISTANCE TO GROUND AND PROVIDE ADDITIONAL GROUND ROD OR PLATE ELECTRODES AS REQUIRED UNTIL A RESISTANCE TO GROUND OF 25 OHMS OR LESS IS ACHIEVED.



2 AC SERVICE GROUNDING DETAIL - BUILDING A
NO SCALE



NOTES:
1. TELECOMMUNICATIONS GROUNDING BUSBARS SHALL BE 1/4" THICK, ELECTRO-TIN PLATED COPPER BUSBARS, COMPLETE WITH INSULATED STAND-OFFS AND STAINLESS STEEL BRACKETS AND MOUNTING BOLTS. MOUNT TO COMMUNICATIONS BACKBOARD AT 18" AFF.
   - TMGB: 4"W x 15-1/2"L, ERICO #TMGBA16L19PT
   - TGB1 - TGB2: 2"W x 15-1/2"L, ERICO #TGBA16L08PT
2. ALL GROUNDING / BONDING CONDUCTORS SHALL BE #4 AWG INSULATED STRANDED COPPER. INSTALL IN 3/4" CONDUIT WHERE EXPOSED AND WHERE SUBJECT TO PHYSICAL DAMAGE.
3. ALL CONNECTIONS TO TELECOM GROUNDING BUSBARS SHALL BE MADE USING COMPRESSION TYPE LUGS (BURNDY 'YAL' SERIES OR EQUAL). MECHANICAL LUGS ARE NOT ACCEPTABLE.

1 COMMUNICATIONS GROUNDING DETAIL
NO SCALE

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02/16/2026

REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

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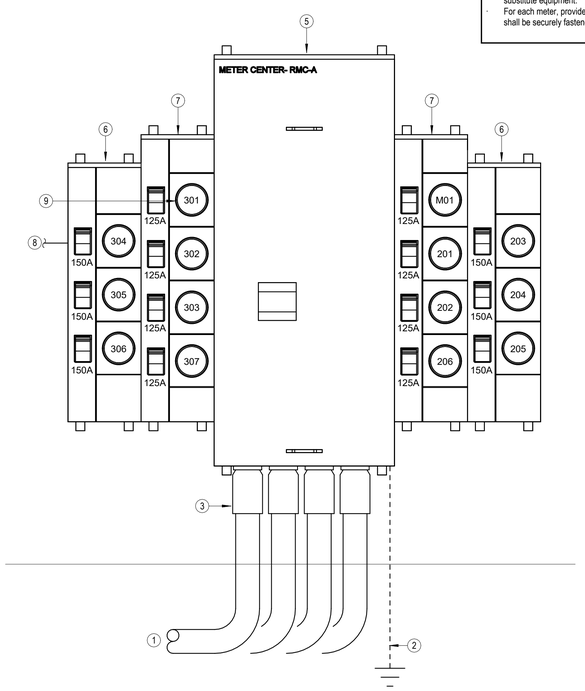
Project 25062 **2/16/2026**

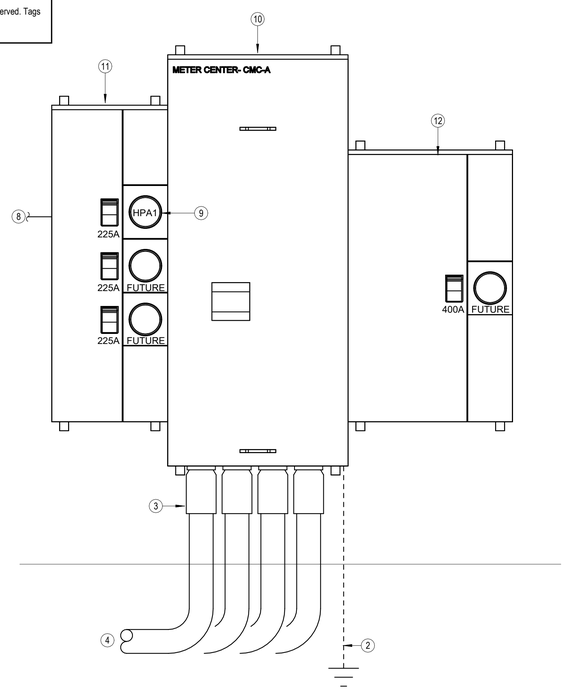
NOTES BY SYMBOL

1	4 SETS: 4#500 KCMIL IN 4" CONDUIT FROM TRANSFORMER 'T8' TO RMC-A. PROVIDE ALL TRENCHING AND BACKFILL. COORDINATE EXACT REQUIREMENTS WITH SOUTHWESTERN ELECTRIC POWER COMPANY.
2	GROUNDING ELECTRODE CONDUCTOR TO COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR. SEE DETAILS ON SHEET E6.1.
3	PROVIDE SCHEDULE 40 PVC SLIP JOINTS.
4	4 SETS: 4#500 KCMIL IN 4" CONDUIT FROM TRANSFORMER 'T8' TO CMC-A. PROVIDE ALL TRENCHING AND BACKFILL. COORDINATE EXACT REQUIREMENTS WITH SOUTHWESTERN ELECTRIC POWER COMPANY.
5	RMC-A: METER CENTER MAIN, 3-PH IN; 3-PH OUT, 208/120V-3PH, 4 WIRE WITH 600A/SP MAIN BREAKER, 65 KAIC RATED, SERVICE ENTRANCE RATED WITH INTEGRAL SURGE PROTECTION DEVICE. SQUARE D 'EZ METER-PAK' #EZM3600CBU. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 1 OF 2'
6	3-SOCKET BRANCH UNIT, 3-PH IN; 1-PH OUT, WITH (3) 150A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZMH313225. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED.
7	4-SOCKET BRANCH UNIT, 3-PH IN; 1-PH OUT, WITH (4) 125A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZMH314125. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED.
8	SEE ONE-LINE DIAGRAMS FOR FEEDER SIZES.
9	MAXIMUM HEIGHT TO CENTERLINE OF TOP METER SOCKET SHALL BE 6'-0" AFG.
10	CMC-A: METER CENTER MAIN, 3-PH IN; 3-PH OUT, 208/120V-3PH, 4 WIRE WITH 800A/SP MAIN BREAKER, 65 KAIC RATED, SERVICE ENTRANCE RATED WITH INTEGRAL SURGE PROTECTION DEVICE. SQUARE D 'EZ METER-PAK' #EZM3800CBU. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 2 OF 2'
11	3-SOCKET COMMERCIAL BRANCH UNIT, 3PH IN; 3-PH OUT, WITH (3) 225A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZML333225. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE COMMERCIAL SPACE BEING SERVED.
12	1-SOCKET COMMERCIAL BRANCH UNIT, 3PH IN; 3-PH OUT, WITH (1) 400A BRANCH BREAKER, SQUARE D 'EZ METER-PAK' #EZMK331400. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE COMMERCIAL SPACE BEING SERVED.

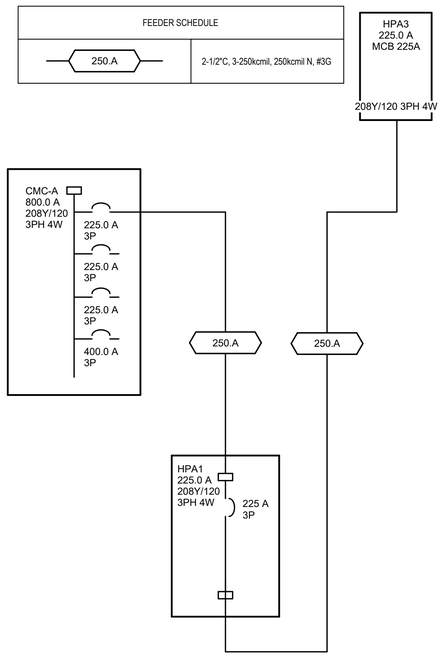
NOTES:
- Meter Center main circuit breaker shall be 65 kAIC fully rated.
- All conductor sizes are based on copper, U.N.O.
- Entire installation shall comply with NEC.
- Coordinate all responsibilities and requirements with power utility company and pay associated fees.
  Contact Information:
  Southwestern Electric Power Company
  Zac Pianalto
  zspianalto@aep.com
  903-826-5027
- Coordinate final location of meter assemblies with utility company. Provide shop drawings of proposed equipment whether as specified or substituted to utility company for approval.
- Provide all necessary blocking and/or steel channel behind meter centers to create a flush/plumb mounting surface and to infill space where existing stone and brick meet.
- All meter center components shall be NEMA 3R.
- All dimensions based on Square D equipment. It is the contractor's responsibility to verify the dimensions of substitute equipment.
- For each meter, provide a permanent brass, copper or aluminum tag identifying the apartment served. Tags shall be securely fastened to the meter base and be stamped with 1/4" letters, minimum.



3 ELECTRICAL SERVICE RISER - RMC-A
NO SCALE



2 ELECTRICAL SERVICE RISER - CMC-A
1" = 1'-0"



1 CMC-A RISER DIAGRAM
NO SCALE

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02/16/2026

REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

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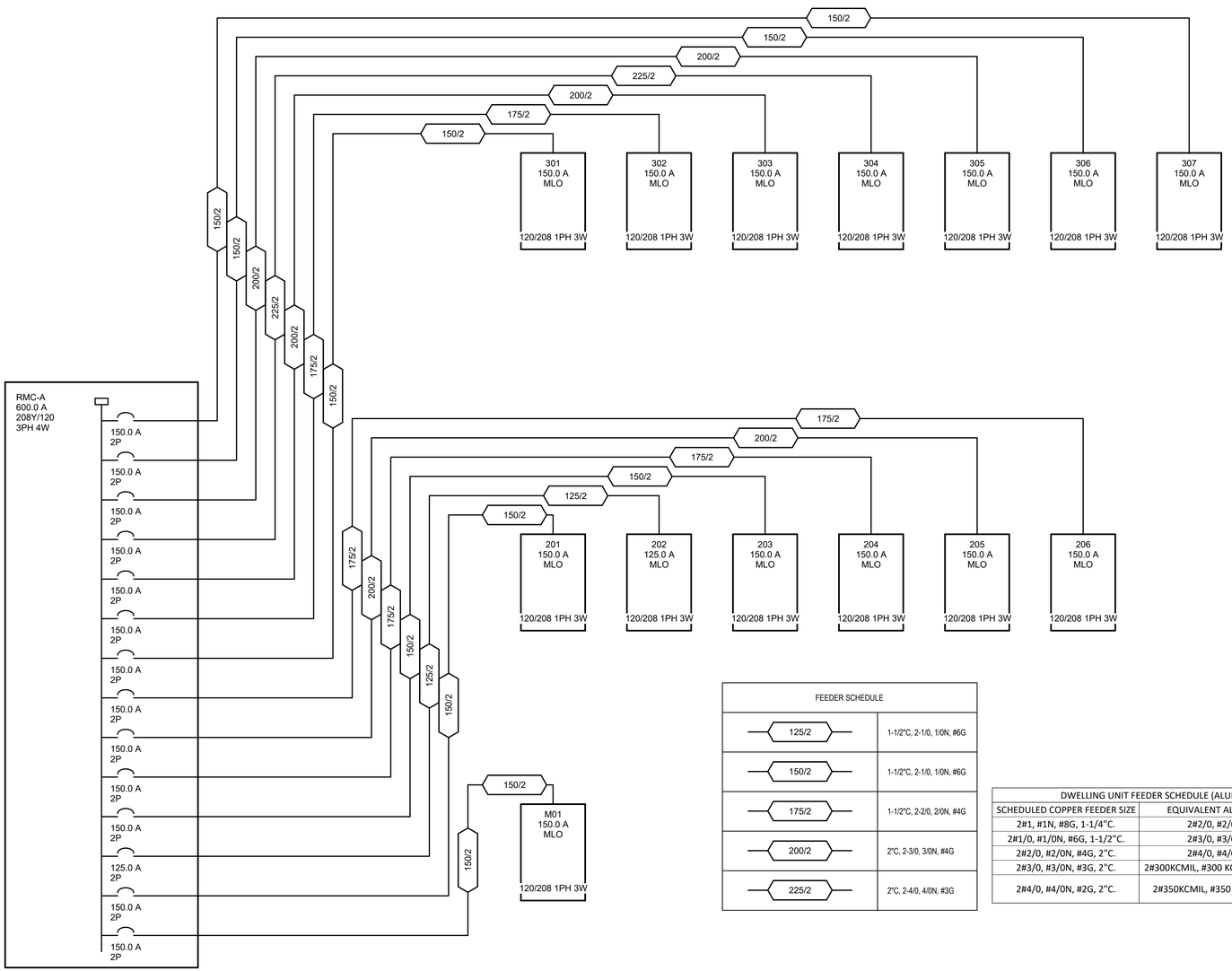

FEEDER SCHEDULE	
125/2	1-1/2"C, 2-1/0, 1/0N, #6G
150/2	1-1/2"C, 2-1/0, 1/0N, #6G
175/2	1-1/2"C, 2-2/0, 2/0N, #4G
200/2	2"C, 2-3/0, 3/0N, #4G
225/2	2"C, 2-4/0, 4/0N, #3G

DWELLING UNIT FEEDER SCHEDULE (ALUMINUM)	
SCHEDULED COPPER FEEDER SIZE	EQUIVALENT ALUMINUM FEEDER
2#1, #1N, #8G, 1-1/4"C.	2#2/0, #2/0N, #4G, 2"C.
2#1/0, #1/0N, #6G, 1-1/2"C.	2#3/0, #3/0N, #3G, 2"C.
2#2/0, #2/0N, #4G, 2"C.	2#4/0, #4/0N, #2G, 2"C.
2#3/0, #3/0N, #3G, 2"C.	2#300KCMIL, #300 KCMIL N, #1/0G, 2-1/2"C.
2#4/0, #4/0N, #2G, 2"C.	2#350KCMIL, #350 KCMIL N, #2/0G, 3"C.

1 RMC-A RISER DIAGRAM

NO SCALE

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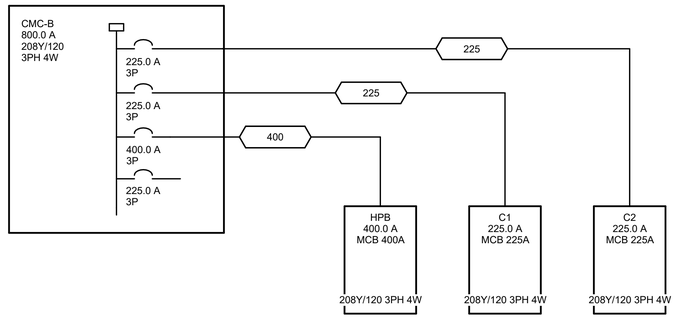
Project 25062 2/16/2026

FEEDER SCHEDULE	
400	4"C, 3-500kcmil, 500kcmil N, #3G
225	2-1/2"C, 3-4/0, 4/0N, #4G

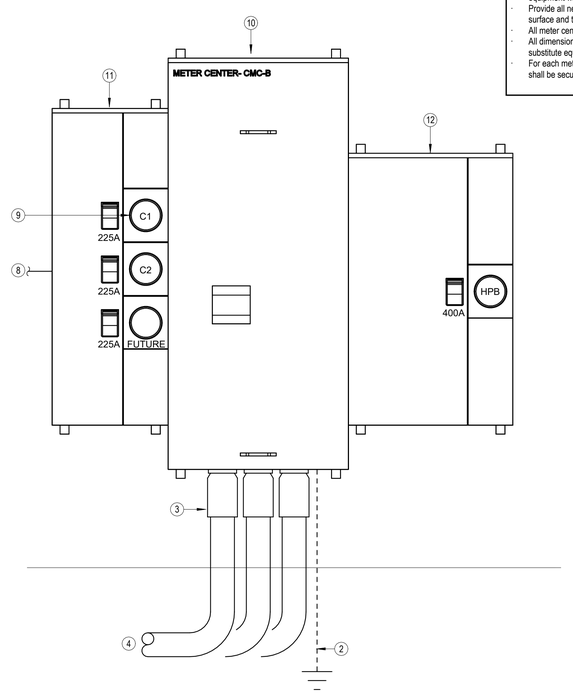


1 CMC-B RISER DIAGRAM
NO SCALE

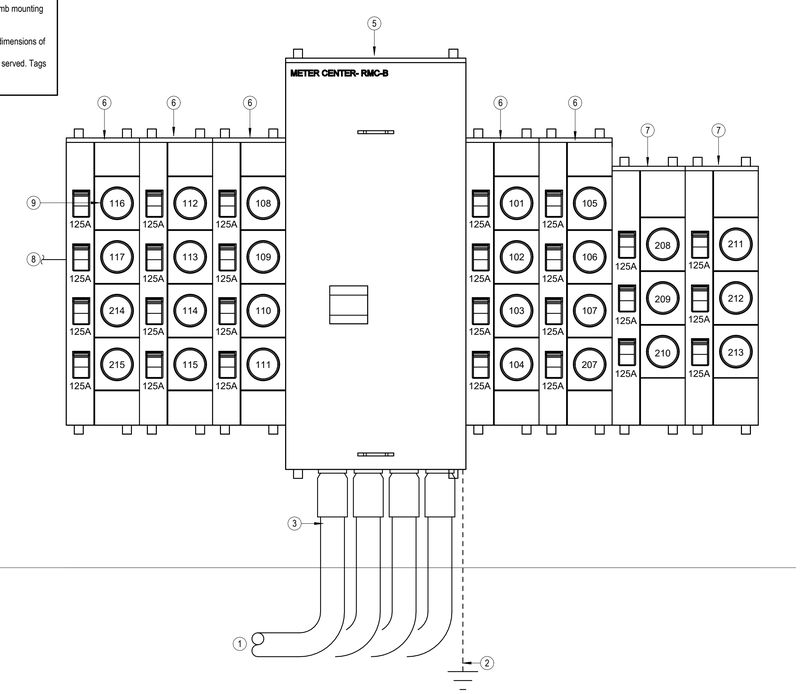
NOTES:
- Meter Center main circuit breaker shall be 65 kAIC fully rated.
- All conductor sizes are based on copper, U.N.O.
- Entire installation shall comply with NEC.
- Coordinate all responsibilities and requirements with power utility company and pay associated fees.
  Contact Information:
  Southwestern Electric Power Company
  Zac Pianalto
  zspianalto@aep.com
  903-826-5027
- Coordinate final location of meter assemblies with utility company. Provide shop drawings of proposed equipment whether as specified or substituted to utility company for approval.
- Provide all necessary blocking and/or steel channel behind meter centers to create a flush/plumb mounting surface and to infill space where existing stone and brick meet.
- All meter center components shall be NEMA 3R.
- All dimensions based on Square D equipment. It is the contractor's responsibility to verify the dimensions of substitute equipment.
- For each meter, provide a permanent brass, copper or aluminum tag identifying the apartment served. Tags shall be securely fastened to the meter base and be stamped with 1/4" letters, minimum.

NOTES BY SYMBOL

1. 4 SETS: 4#400 KCMIL IN 3" CONDUIT FROM TRANSFORMER 'T9' TO RMC-B. PROVIDE ALL TRENCHING AND BACKFILL. COORDINATE EXACT REQUIREMENTS WITH SOUTHWESTERN ELECTRIC POWER COMPANY.
2. GROUNDING ELECTRODE CONDUCTOR TO COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR. SEE DETAILS ON SHEET E6.1.
3. PROVIDE SCHEDULE 40 PVC SLIP JOINTS.
4. 3 SETS: 4#300 KCMIL IN 3" CONDUIT FROM TRANSFORMER 'T9' TO CMC-B. PROVIDE ALL TRENCHING AND BACKFILL. COORDINATE EXACT REQUIREMENTS WITH SOUTHWESTERN ELECTRIC POWER COMPANY.
5. RMC-B: METER CENTER MAIN, 3-PH IN; 3-PH OUT, 208/120V-3PH, 4 WIRE WITH 1000A/3P MAIN BREAKER, 65 KAIC RATED, SERVICE ENTRANCE RATED WITH INTEGRAL SURGE PROTECTION DEVICE. SQUARE D 'EZ METER-PAK' #EZM31000CBU. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 1 OF 2'
6. 4-SOCKET BRANCH UNIT, 3-PH IN; 1-PH OUT, WITH (4) 125A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZMH314125. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED.
7. 3-SOCKET BRANCH UNIT, 3-PH IN; 1-PH OUT, WITH (3) 125A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZMH313125. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED.
8. SEE ONE-LINE DIAGRAMS FOR FEEDER SIZES.
9. MAXIMUM HEIGHT TO CENTERLINE OF TOP METER SOCKET SHALL BE 6'-0" AFG.
10. CMC-B: METER CENTER MAIN, 3-PH IN; 3-PH OUT, 208/120V-3PH, 4 WIRE WITH 800A/3P MAIN BREAKER, 65 KAIC RATED, SERVICE ENTRANCE RATED WITH INTEGRAL SURGE PROTECTION DEVICE. SQUARE D 'EZ METER-PAK' #EZM3800CBU. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 2 OF 2'
11. 3-SOCKET COMMERCIAL BRANCH UNIT, 3PH IN; 3-PH OUT, WITH (3) 225A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZML333225. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE COMMERCIAL SPACE BEING SERVED.
12. 1-SOCKET COMMERCIAL BRANCH UNIT, 3PH IN; 3-PH OUT, WITH (1) 400A BRANCH BREAKER, SQUARE D 'EZ METER-PAK' #EZMK331400. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE COMMERCIAL SPACE BEING SERVED.



2 ELECTRICAL SERVICE RISER - CMC-B
1" = 1'-0"



3 ELECTRICAL SERVICE RISER - RMC-B
1" = 1'-0"

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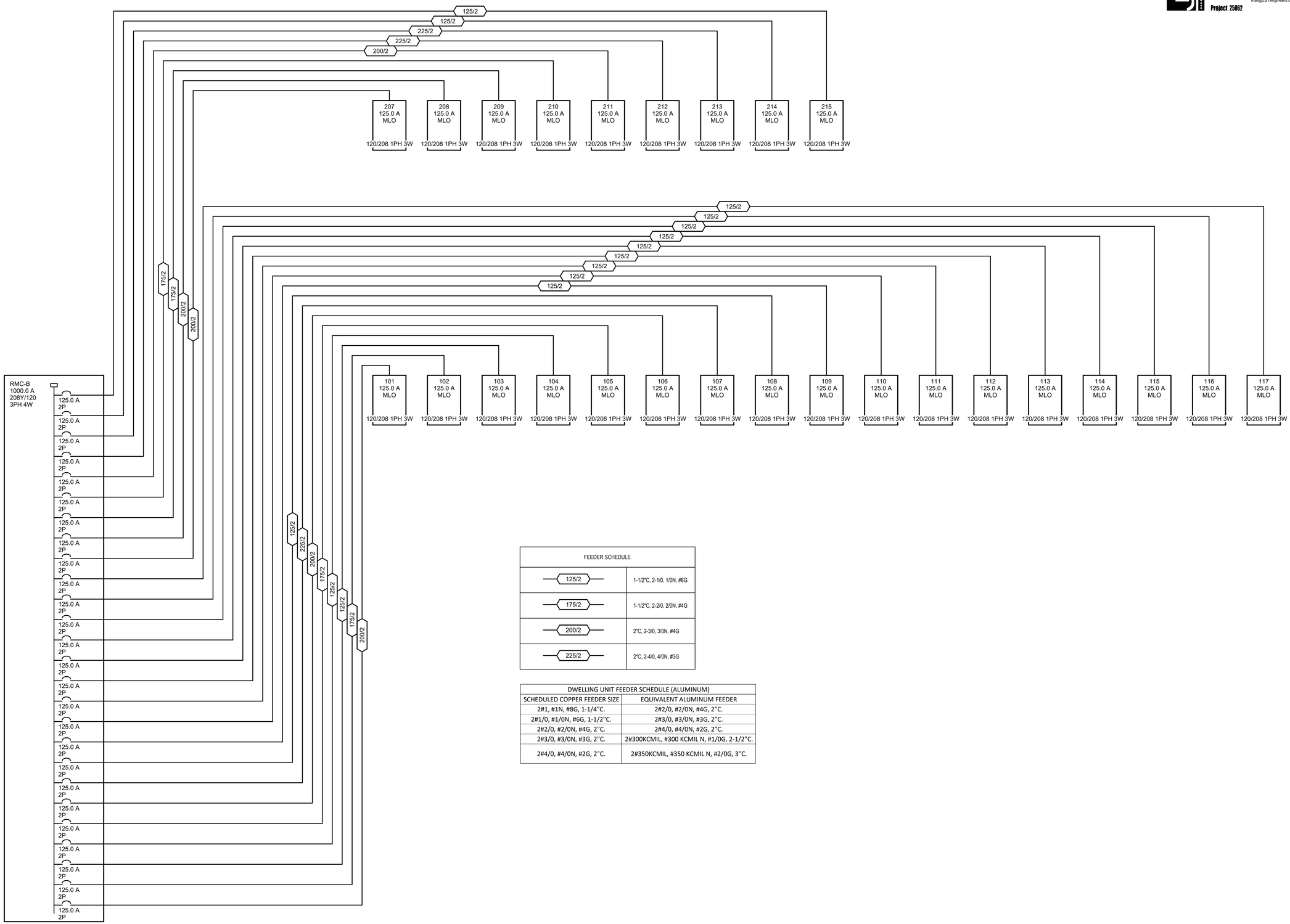

FEEDER SCHEDULE	
125/2	1-1/2"C, 2-1/0, 1/0N, #6G
175/2	1-1/2"C, 2-2/0, 2/0N, #4G
200/2	2"C, 2-3/0, 3/0N, #4G
225/2	2"C, 2-4/0, 4/0N, #3G

DWELLING UNIT FEEDER SCHEDULE (ALUMINUM)	
SCHEDULED COPPER FEEDER SIZE	EQUIVALENT ALUMINUM FEEDER
2#1, #1N, #8G, 1-1/4"C.	2#2/0, #2/0N, #4G, 2"C.
2#1/0, #1/0N, #6G, 1-1/2"C.	2#3/0, #3/0N, #3G, 2"C.
2#2/0, #2/0N, #4G, 2"C.	2#4/0, #4/0N, #2G, 2"C.
2#3/0, #3/0N, #3G, 2"C.	2#300KCMIL, #300 KCMIL N, #1/0G, 2-1/2"C.
2#4/0, #4/0N, #2G, 2"C.	2#350KCMIL, #350 KCMIL N, #2/0G, 3"C.

1 **RMC-B RISER DIAGRAM**
NO SCALE

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Project 25062 **2/16/2026**

Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) {former circuit in brackets}
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GA	Combination Arc-Fault Interrupter (AFCI) Protection and Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit {former circuit in brackets}
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

Meter Center: CMC-A

Location:
Supply From:
Mounting: Surface
Enclosure: NEMA 1

Volts: 208Y/120 3PH 4W
Phases: 3
Wires: 4

A.I.C. Rating: 65 kA
Mains Type: MCB
Bus Rating: 800 A
Mains Rating: 800 A

Panel Notes:

#	Circuit Description	C/B Amps	# of Poles	Circuitry	Load	Notes (See below)
CM...	HOUSE SERVICE PANEL HPA1	225.0 A	3	2-1/2"C,3-250kcmil,250kcmil N,#3G	95.17 kVA	
CM...	FUTURE COMMERCIAL TENANT	225.0 A	3	--	0.00 kVA	
CM...	FUTURE COMMERCIAL TENANT	225.0 A	3	--	0.00 kVA	
CM...	FUTURE COMMERCIAL TENANT	400.0 A	3	--	0.00 kVA	

Circuit Notes:
1. METER CENTER IS SIZED FOR EITHER (2)225A COMMERCIAL TENANTS OR (1)400A COMMERCIAL TENANT.

Meter Center: RMC-A

Location:
Supply From:
Mounting: Surface
Enclosure: NEMA 1

Volts: 208Y/120 3PH 4W
Phases: 3
Wires: 4

A.I.C. Rating: 10 kA
Mains Type: MCB
Bus Rating: 600 A
Mains Rating: 600 A

Panel Notes:

#	Circuit Description	C/B Amps	# of Poles	Circuitry	Load	Notes (See below)
RM...	M01	150.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	25.62 kVA	
RM...	201	150.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	202	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	203	150.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	28.91 kVA	
RM...	204	150.0 A	2	1-1/2"C,2-2/0,2/0N,#4G	28.91 kVA	
RM...	205	150.0 A	2	2"C,2-3/0,3/0N,#4G	28.91 kVA	
RM...	206	150.0 A	2	1-1/2"C,2-2/0,2/0N,#4G	25.62 kVA	
RM...	301	150.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	302	150.0 A	2	1-1/2"C,2-2/0,2/0N,#4G	23.25 kVA	
RM...	303	150.0 A	2	2"C,2-3/0,3/0N,#4G	25.62 kVA	
RM...	304	150.0 A	2	2"C,2-4/0,4/0N,#3G	28.91 kVA	
RM...	305	150.0 A	2	2"C,2-3/0,3/0N,#4G	28.91 kVA	
RM...	306	150.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	28.91 kVA	
RM...	307	150.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	

Circuit Notes:

Panelboard: HPA1

Location:
Supply: CMC-A
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: Yes
Features & Modifications: -

Mains Type: MCB
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 10 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA		B KVA		C KVA		FN	Trip (A)	Circuitry	Description	Ckt
HPA1:1	BASEMENT TENANT SPACE LTG	1/2"C,1#12,#12N,#12G	20		0.87	1.66						30	1/2"C,2#10,#10G	ELECTRIC UNIT HEATER "EUH-1"	HPA1:2
HPA1:3	BASEMENT TENANT SPACE LTG	1/2"C,1#12,#12N,#12G	20				0.8	1.66							HPA1:4
HPA1:5	BASEMENT BOH LIGHTING	1/2"C,1#12,#12N,#12G	20						0.33	1.66		30	1/2"C,2#10,#10G	ELECTRIC UNIT HEATER "EUH-2"	HPA1:6
HPA1:7	BASEMENT TENANT EXIT SIGN	1/2"C,1#12,#12N,#12G	20		0.04	1.66									HPA1:8
HPA1:9	GROUND FLOOR TENANT LTG	1/2"C,1#12,#12N,#12G	20				0.8	1.66				30	1/2"C,2#10,#10G	ELECTRIC UNIT HEATER "EUH-3"	HPA1:10
HPA1:11	GROUND FLOOR TENANT LTG	1/2"C,1#12,#12N,#12G	20						0.63	1.66					HPA1:12
HPA1:13	GROUND FLOOR BOH LIGHTING	1/2"C,1#12,#12N,#12G	20		0.36	1.66						30	1/2"C,2#8,#8G	ELECTRIC UNIT HEATER "EUH-4"	HPA1:14
HPA1:15	GROUND FLOOR TENANT EXIT SIGN	1/2"C,1#12,#12N,#12G	20				0.04	1.66							HPA1:16
HPA1:17	ELEVATOR PIT LIGHTS & RECEPTACLE	1/2"C,1#12,#12N,#12G	20						0.43	3.21		40	1/2"C,2#8,#10G	BLOWER COIL "BC-1"	HPA1:18
HPA1:19	HALLWAY EXIT SIGNS & EM LIGHTING	1/2"C,1#12,#12N,#12G	20		0.03	3.21									HPA1:20
HPA1:21	BOH RECEPTACLES	1/2"C,1#12,#12N,#12G	20				0.54	1.8				20	1/2"C,1#12,#12N,#12G	ELEVATOR E1 SUMP PUMP	HPA1:22
HPA1:23	IT QUADS STORAGE B03	1/2"C,1#12,#12N,#12G	20						0.72	1.8		20	3/4"C,1#6,#6N,#6G	BASEMENT SUMP PUMP	HPA1:24
HPA1:25	MECH 137 EXHAUST FAN EF-2	1/2"C,1#12,#12N,#12G	20		0.1	0.12						20	1/2"C,1#12,#12N,#12G	HOT WATER RECIRC PUMP "HWP"	HPA1:26
HPA1:27	HALLWAY RECEPTACLES	1/2"C,1#12,#12N,#12G	20				0.54	2.5				30	1/2"C,1#10,#10N,#10G	ELECTRIC WATER HEATER "HWH-B"	HPA1:28
HPA1:29	FIRE SUPPRESSION SYSTEM	1/2"C,1#12,#12N,#12G	20						0.5	--		--	--	SPACE	HPA1:30
HPA1:31	LIGHTING CONTACTOR POWER	1/2"C,1#12,#12N,#12G	20		0	--						--	--	SPACE	HPA1:32
HPA1:33	EXTERIOR ALLEY WALL PACK	1/2"C,1#12,#12N,#12G	20				0.03	--				--	--	SPACE	HPA1:34
HPA1:35	EXTERIOR FACADE LIGHTING	1/2"C,1#12,#12N,#12G	20						0.24	--		--	--	SPACE	HPA1:36
HPA1:37	SPARE	--	20		0	0						30	--	SURGE PROTECTION	HPA1:38
HPA1:39	SPARE	--	20				0	0							HPA1:40
HPA1:41	SPARE	--	20						0	0					HPA1:42
				Connecte...	32 kVA		32 kVA		31 kVA						
				Connecte...	269 A		267 A		259 A						

(Includes load connected via feed-thru lugs.)

Panelboard: HPA3

Location:
Supply: HPA1
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 10 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA		B KVA		C KVA		FN	Trip (A)	Circuitry	Description	Ckt
HPA3:1	2ND FLOOR HALLWAY LIGHTING	1/2"C,1#12,#12N,#12G	20		0.4	5.18						100	1-1/4"C,3#1,#8G	ELEVATOR "E1"	HPA3:2
HPA3:3	2ND FLOOR LIGHTING	1/2"C,1#12,#12N,#12G	20				0.22	5.18							HPA3:4
HPA3:5	2ND FLOOR EXIT SIGNS & EM LIGHTING	1/2"C,1#12,#12N,#12G	20						0.04	5.18					HPA3:6
HPA3:7	3RD FLOOR HALLWAY LIGHTING	1/2"C,1#12,#12N,#12G	20		0.48	4.12						50	3/4"C,2#6,#10G	2ND FLOOR BLOWER COIL "BC-2"	HPA3:8
HPA3:9	3RD FLOOR EXIT SIGNS & EM LIGHTING	1/2"C,1#12,#12N,#12G	20				0.04	4.12							HPA3:10
HPA3:11	STAIRWELL S4 LIGHTING	1/2"C,1#12,#12N,#12G	20						0.26	4.12		50	3/4"C,2#6,#10G	3RD FLOOR BLOWER COIL "BC-2"	HPA3:12
HPA3:13	STAIRWELL S5 LIGHTING	1/2"C,1#12,#12N,#12G	20		0.31	4.12									HPA3:14
HPA3:15	LEVEL 2 SITTING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20				0.9	2.6				25	1/2"C,2#10,#10G	INDOOR UNIT IU-6/ OUTDOOR UNIT OU-6	HPA3:16
HPA3:17	LEVEL 2 HALLWAY RECEPTACLES	1/2"C,1#12,#12N,#12G	20						1.26	2.6					HPA3:18
HPA3:19	LEVEL 2 IT QUADS	1/2"C,1#12,#12N,#12G	20		0.72	2.6						25	1/2"C,2#10,#10G	INDOOR UNIT IU-7/ OUTDOOR UNIT OU-7	HPA3:20
HPA3:21	JANITOR 311 EXHAUST FAN "EF-2"	1/2"C,1#12,#12N,#12G	20				0.1	2.6							HPA3:22
HPA3:23	HOT WATER HEATER "HWH-B"	1/2"C,1#10,#10N,#10G	30						2.5	1.66		25	1/2"C,2#10,#10G	2ND FLOOR HEAT PUMP "HP-2"	HPA3:24
HPA3:25	LEVEL 3 HALLWAY RECEPTACLES	1/2"C,1#12,#12N,#12G	20		1.08	1.66									HPA3:26
HPA3:27	LEVEL 3 SITTING AREA RECEPTACLES	1/2"C,1#12,#12N,#12G	20				0.54	1.66				25	1/2"C,2#10,#10G	3RD FLOOR HEAT PUMP "HP-2"	HPA3:28
HPA3:29	ELEVATOR SHUNT TRIP	1/2"C,1#12,#12N,#12G	20						0.1	1.66					HPA3:30
HPA3:31	ELEVATOR CAB LIGHTING	1/2"C,1#12,#12N,#12G	20		0.5	1.25						20	1/2"C,2#12,#12G	1ST FLOOR HEAT PUMP "HP-1"	HPA3:32
HPA3:33	RECEPTACLE - ROOF	1/2"C,1#12,#12N,#12G	20				0.72	1.25							HPA3:34
HPA3:35	ROOF RADON MITIGATION FANS	1/2"C,1#12,#12N,#12G	20						0.5	--		--	--	SPACE	HPA3:36
HPA3:37	SPARE	--	20		0	--						--	--	SPACE	HPA3:38
HPA3:39	SPARE	--	20				0	--				--	--	SPACE	HPA3:40
HPA3:41	SPARE	--	20						0	--		--	--	SPACE	HPA3:42
				Connecte...	22 kVA		20 kVA		20 kVA						
				Connecte...	187 A		166 A		166 A						

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Project 25062 **2/16/2026**

Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) {former circuit in brackets}
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GA	Combination Arc-Fault Interrupter (AFCI) Protection and Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit {former circuit in brackets}
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

Panelboard: C2

Location:
Supply: CMC-B
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features &
Modifications: -

Mains Type: MCB
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 10 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA		B KVA		C KVA		FN	Trip (A)	Circuitry	Description	Ckt
C2:1	SHELL LIGHTING + REC	1/2"C,1#12,#12N,#12G	20		0.48	4.12						50	3/4"C,2#6,#10G	BLOWER COIL "BC-2"	C2:2
C2:3	EXIT SIGNAGE	1/2"C,1#12,#12N,#12G	20				0.01	4.12							C2:4
C2:5	SPARE	--	20						0	1.66		25	1/2"C,2#10,#10G	HEAT PUMP "HP-2"	C2:6
C2:7	SPARE	--	20		0	1.66									C2:8
C2:9	SPARE	--	20				0	--				--	--	SPACE	C2:10
C2:11	SPARE	--	20						0	--		--	--	SPACE	C2:12
C2:13	SPARE	--	20		0	--						--	--	SPACE	C2:14
C2:15	SPARE	--	20				0	--				--	--	SPACE	C2:16
C2:17	SPARE	--	20						0	--		--	--	SPACE	C2:18
C2:19	SPARE	--	20		0	--						--	--	SPACE	C2:20
C2:21	SPARE	--	20				0	--				--	--	SPACE	C2:22
C2:23	SPARE	--	20						0	--		--	--	SPACE	C2:24
C2:25	SPARE	--	20		0	--						--	--	SPACE	C2:26
C2:27	SPARE	--	20				0	--				--	--	SPACE	C2:28
C2:29	SPARE	--	20						0	--		--	--	SPACE	C2:30
C2:31	SPARE	--	20		0	--						--	--	SPACE	C2:32
C2:33	SPARE	--	20				0	--				--	--	SPACE	C2:34
C2:35	SPARE	--	20						0	--		--	--	SPACE	C2:36
C2:37	SURGE PROTECTION	--	30		0	--						--	--	SPACE	C2:38
C2:39							0	--				--	--	SPACE	C2:40
C2:41									0	--		--	--	SPACE	C2:42
				Connecte...	6 kVA		4 kVA		2 kVA						
				Connecte...	55 A		38 A		14 A						

Panelboard: HPB

Location:
Supply: CMC-B
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 400 A
Neutral: 100%
Feed-Thru Lugs: No
Features &
Modifications: -

Mains Type: MCB
Mains Rating: 400 A
Mains FN/Note: -
SCCR: 10 kA

Ckt	Description	Circuitry	Trip (A)	FN	A		B		C		FN	Trip (A)	Circuitry	Description	Ckt
HPB:1	HALLWAY LIGHTING	1/2"C,1#12,#12N,#12G	20		0.42	9.45						175	1-1/2"C,3-2/0,#6G	ELEVATOR "E2"	HPB:2
HPB:3	HALLWAY LIGHTING	1/2"C,1#12,#12N,#12G	20				0.4	9.45							HPB:4
HPB:5	HALLWAY LIGHTING	1/2"C,1#12,#12N,#12G	20						0.35	9.45					HPB:6
HPB:7	ENTRY LIGHTING	1/2"C,1#12,#12N,#12G	20		0.42	4.12						50	3/4"C,2#6,#10G	BLOWER COIL "BC-2"	HPB:8
HPB:9	LEASING OFFICE LIGHTING	1/2"C,1#12,#12N,#12G	20				0.65	4.12							HPB:10
HPB:11	FIRE ALARM CONTROL PANEL	1/2"C,1#12,#12N,#12G	20	L					0.36	1.66		25	1/2"C,2#10,#10G	HEAT PUMP "HP-2"	HPB:12
HPB:13	ELEVATOR PIT LIGHTS & RECEPTACLE	1/2"C,1#12,#12N,#12G	20		0.43	1.66									HPB:14
HPB:15	HOT WATER HEATER "HWH-B"	1/2"C,1#10,#10N,#10G	30				2.5	2.46				30	1/2"C,2#8,#8G	INDOOR UNITS IU-1A & 1B/ OUTDOOR UNIT OU-1	HPB:16
HPB:17	HOT WATER RECIRC PUMP "HWP"	1/2"C,1#12,#12N,#12G	20						0.12	2.46					HPB:18
HPB:19	EXHAUST FAN "EF-2"	1/2"C,1#12,#12N,#12G	20		0.1	2.46						30	1/2"C,2#8,#8G	INDOOR UNITS IU-2A & 2B/ OUTDOOR UNIT OU-2	HPB:20
HPB:21	LEVEL 1 ERV-1 & 2	1/2"C,1#12,#12N,#12G	20				0.2	2.46							HPB:22
HPB:23	MEZZANINE ERV-6 THRU 8	1/2"C,1#12,#12N,#12G	20						0.3	2.7		30	1/2"C,2#8,#10G	INDOOR UNIT IU-3/ OUTDOOR UNIT OU-3	HPB:24
HPB:25	LEVEL 2 ERV-3 THRU 5	1/2"C,1#12,#12N,#12G	20		0.3	2.7									HPB:26
HPB:27	ROOF RECEPTACLES	1/2"C,1#12,#12N,#12G	20				0.9	2.7				30	1/2"C,2#10,#10G	INDOOR UNIT IU-4/ OUTDOOR UNIT OU-4	HPB:28
HPB:29	ROOF RECEPTACLES	1/2"C,1#12,#12N,#12G	20						0.9	2.7					HPB:30
HPB:31	LEVEL 2 HALLWAY LIGHTING	1/2"C,1#12,#12N,#12G	20		0.45	2.6						25	1/2"C,2#10,#10G	INDOOR UNIT IU-5/ OUTDOOR UNIT OU-5	HPB:32
HPB:33	LEVEL 2 EXIT SIGNS & EM LIGHTING	1/2"C,1#12,#12N,#12G	20				0.03	2.6							HPB:34
HPB:35	HALLWAY EXIT SIGNS & EM LIGHTING	1/2"C,1#12,#12N,#12G	20						0.06	3.26		40	1/2"C,2#8,#10G	INDOOR UNITS IU-8A THRU 8C/ OUTDOOR UNIT OU-8	HPB:36
HPB:37	S HALLWAY EXIT SIGNS & EM LIGHTING	1/2"C,1#12,#12N,#12G	20		0.04	3.26									HPB:38
HPB:39	N HALLWAY EXIT SIGNS & EM LIGHTING	1/2"C,1#12,#12N,#12G	20				0.05	1.5				20	1/2"C,2#10,#10G	ELECTRIC WALL HEATER "EWH-B"	HPB:40
HPB:41	MEZZANINE LIGHTING	1/2"C,1#12,#12N,#12G	20						0.6	1.5					HPB:42
HPB:43	STAIRWELL S6 & S8 LIGHTING	1/2"C,1#12,#12N,#12G	20		0.23	1.5						20	1/2"C,2#12,#12G	ELECTRIC WALL HEATER "EWH-1"	HPB:44
HPB:45	STAIRWELL EM LIGHTING	1/2"C,1#12,#12N,#12G	20				0.03	1.5							HPB:46
HPB:47	RESTROOM RECEPTACLES	1/2"C,1#12,#12N,#12G	20						0.36	1.5		20	1/2"C,2#10,#10G	ELECTRIC HEATER "ECH-1"	HPB:48
HPB:49	OFFICE 130 RECEPTACLES	1/2"C,1#12,#12N,#12G	20		0.9	1.5									HPB:50
HPB:51	COMMUNITY ROOM RECEPTACLES	1/2"C,1#12,#12N,#12G	20				1.08	0.75				20	1/2"C,1#12,#12N,#12G	ROOF RADON MITIGATION FANS	HPB:52
HPB:53	COMMUNITY ROOM RECEPTACLES	1/2"C,1#12,#12N,#12G	20						0.36	0.75		20	1/2"C,1#10,#10N,#10G	ROOF RADON MITIGATION FANS	HPB:54
HPB:55	COMMUNITY ROOM U.C. FRIDGE	1/2"C,1#12,#12N,#12G	20		0.5	--						--	--	SPACE	HPB:56
HPB:57	MECH 133 IT QUADS	1/2"C,1#12,#12N,#12G	20				0.72	--				--	--	SPACE	HPB:58
HPB:59	MEZZANINE RECEPTACLES	1/2"C,1#12,#12N,#12G	20						0.72	--		--	--	SPACE	HPB:60
HPB:61	ELEVATOR SUMP PUMP	1/2"C,1#12,#12N,#12G	20		1.8	--						--	--	SPACE	HPB:62
HPB:63	ELEVATOR SHUNT TRIP	1/2"C,1#12,#12N,#12G	20				0.1	--				--	--	SPACE	HPB:64
HPB:65	HALLWAY RECEPTACLES	1/2"C,1#12,#12N,#12G	20						1.08	--		--	--	SPACE	HPB:66
HPB:67	HALLWAY RECEPTACLES	1/2"C,1#10,#10N,#10G	20		1.08	--						--	--	SPACE	HPB:68
HPB:69	HALLWAY RECEPTACLES	1/2"C,1#12,#12N,#12G	20				0.54	--				--	--	SPACE	HPB:70
HPB:71	LEVEL 2 HALLWAY RECEPTACLES	1/2"C,1#12,#12N,#12G	20						0.9	--		--	--	SPACE	HPB:72
HPB:73	ELEVATOR CAB LIGHTING	1/2"C,1#12,#12N,#12G	20		0.5	--						--	--	SPACE	HPB:74
HPB:75	ENTRY RECEPTACLES	1/2"C,1#12,#12N,#12G	20				0.54	--				--	--	SPACE	HPB:76
HPB:77	LIGHTING CONTACTOR POWER	1/2"C,1#12,#12N,#12G	20						0	--		--	--	SPACE	HPB:78
HPB:79	ALLEY EXTERIOR WALLPACKS	1/2"C,1#12,#12N,#12G	20		0.08	0						30	--	SURGE PROTECTION	HPB:80
HPB:81	EXTERIOR FACADE LIGHTING	1/2"C,1#12,#12N,#12G	20				0.12	0							HPB:82
HPB:83	RECEPTACLE - ROOF	1/2"C,1#12,#12N,#12G	20						0.72	0					HPB:84
				Connecte...	36 kVA		35 kVA		33 kVA						
				Connecte...	307 A		298 A		273 A						

Meter Center: CMC-B

Location:
Supply From:
Mounting: Surface
Enclosure: NEMA 1

Volts: 208Y/120 3PH 4W
Phases: 3
Wires: 4

A.I.C. Rating: 65 kA
Mains Type: MCB
Bus Rating: 600 A
Mains Rating: 800 A

Panel Notes:

#	Circuit Description	C/B Amps	# of Poles	Circuitry	Load	Notes (See below)
CM...	HOUSE SERVICE PANEL "HP-B"	400.0 A	3	4"C, 3-500kcmil, 500kcmil N, #3G	104.70...	
CM...	COMMERICAL SPACE PANEL "C1"	225.0 A	3	2-1/2"C,3-4/0,4/0N,#4G	16.74 kVA	
CM...	COMMERICAL SPACE PANEL "C2"	225.0 A	3	2-1/2"C,3-4/0,4/0N,#4G	12.06 kVA	
CM...	FUTURE COMMERCIAL METER	225.0 A	3	--	0.00 kVA	

Circuit Notes:

Meter Center: RMC-B

Location:
Supply From:
Mounting: Surface
Enclosure: NEMA 1

Volts: 208Y/120 3PH 4W
Phases: 3
Wires: 4

A.I.C. Rating: 10 kA
Mains Type: MCB
Bus Rating: 1000 A
Mains Rating: 1000 A

Panel Notes:

#	Circuit Description	C/B Amps	# of Poles	Circuitry	Load	Notes (See below)
RM...	EFFICIENCY UNIT 101	125.0 A	2	2"C,2-3/0,3/0N,#4G	25.62 kVA	
RM...	EFFICIENCY UNIT 102	125.0 A	2	1-1/2"C,2-2/0,2/0N,#4G	25.62 kVA	
RM...	EFFICIENCY UNIT 103	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	25.62 kVA	
RM...	EFFICIENCY UNIT 104	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	25.62 kVA	
RM...	EFFICIENCY UNIT 105	125.0 A	2	1-1/2"C,2-2/0,2/0N,#4G	25.62 kVA	
RM...	EFFICIENCY UNIT 106	125.0 A	2	2"C,2-3/0,3/0N,#4G	25.62 kVA	
RM...	EFFICIENCY UNIT 107	125.0 A	2	2"C,2-4/0,4/0N,#3G	25.62 kVA	
RM...	EFFICIENCY UNIT 108	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 109	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 110	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 111	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 112	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 113	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 114	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 115	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 116	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	EFFICIENCY UNIT 117	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	1 BEDROOM UNIT 207	125.0 A	2	2"C,2-3/0,3/0N,#4G	25.62 kVA	
RM...	1 BEDROOM UNIT 208	125.0 A	2	2"C,2-3/0,3/0N,#4G	25.62 kVA	
RM...	1 BEDROOM UNIT 209	125.0 A	2	1-1/2"C,2-2/0,2/0N,#4G	25.62 kVA	
RM...	1 BEDROOM UNIT 210	125.0 A	2	1-1/2"C,2-2/0,2/0N,#4G	25.62 kVA	
RM...	1 BEDROOM UNIT 211	125.0 A	2	2"C,2-3/0,3/0N,#4G	25.62 kVA	
RM...	1 BEDROOM UNIT 212	125.0 A	2	2"C,2-4/0,4/0N,#3G	25.62 kVA	
RM...	1 BEDROOM UNIT 213	125.0 A	2	2"C,2-4/0,4/0N,#3G	25.62 kVA	
RM...	EFFICIENCY UNIT 214	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	23.25 kVA	
RM...	2 BEDROOM UNIT 215	125.0 A	2	1-1/2"C,2-1/0,1/0N,#6G	25.62 kVA	

Circuit Notes:

Panelboard: C1

Location:
Supply: CMC-B
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features &
Modifications: -

Mains Type: MCB
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 10 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA		B KVA		C KVA		FN	Trip (A)	Circuitry	Description	Ckt
C1:1	SHELL LIGHTING + REC	1/2"C,1#12,#12N,#12G	20		0.75	4.43						60	3/4"C,2#4,#10G	BLOWER COIL "BC-4"	C1:2
C1:3	EXIT SIGNAGE	1/2"C,1#12,#12N,#12G	20				0.01	4.43						ELECTRIC HEATER CIRCUIT #1 + FAN	C1:4
C1:5	SPARE	--	20						0	1.8		25	1/2"C,2#10,#10G	BLOWER COIL "BC-4"	C1:6
C1:7	SPARE	--	20		0	1.8								ELECTRIC HEATER CIRCUIT #2	C1:8
C1:9	SPARE	--	20				0	1.76				40	1/2"C,2#8,#10G	HEAT PUMP "HP-4"	C1:10
C1:11	SPARE	--	20						0	1.76					C1:12
C1:13	SPARE	--	20		0	--						--	--	SPACE	C1:14
C1:15	SPARE	--	20				0	--				--	--	SPACE	C1:16
C1:17	SPARE	--	20						0	--		--	--	SPACE	C1:18
C1:19	SPARE	--	20		0	--						--	--	SPACE	C1:20
C1:21	SPARE	--	20				0	--				--	--	SPACE	C1:22
C1:23	SPARE	--	20						0	--		--	--	SPACE	C1:24
C1:25	SPARE	--	20		0	--						--	--	SPACE	C1:26
C1:27	SPARE	--	20				0	--				--	--	SPACE	C1:28
C1:29	SPARE	--	20						0	--		--	--	SPACE	C1:30
C1:31	SPARE	--	20		0	--						--	--	SPACE	C1:32
C1:33	SPARE	--	20				0	--				--	--	SPACE	C1:34
C1:35	SPARE	--	20						0	--		--	--	SPACE	C1:36
C1:37	SURGE PROTECTION	--	30		0	--						--	--	SPACE	C1:38
C1:39							0	--				--	--	SPACE	C1:40
C1:41									0	--		--	--	SPACE	C1:42
				Connecte...	7 kVA		6 kVA		4 kVA						
				Connecte...	62 A		55 A		30 A						

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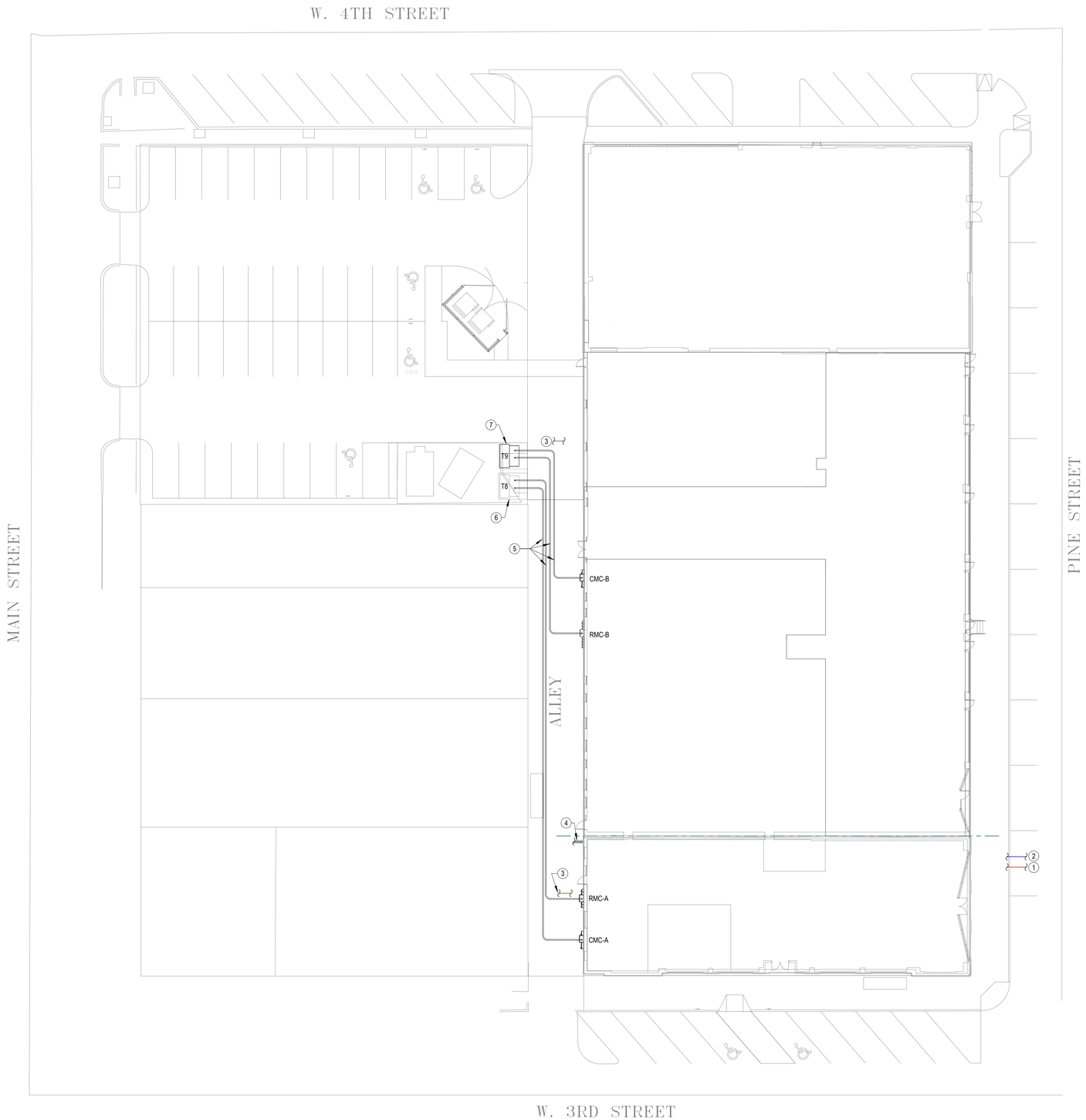
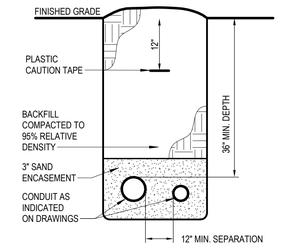
Project 25062 **2/16/2026**

NOTES BY SYMBOL

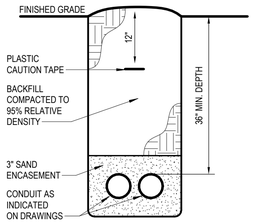
1. FIRE SERVICE, SEE CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT REQUIREMENTS WITH FIRE SUPPRESSION SHOP DRAWINGS PROVIDED BY OTHERS.
2. 2-1/2" DOMESTIC WATER SERVICE, SEE CIVIL DRAWINGS FOR CONTINUATION.
3. 6" SANITARY SEWER, SEE CIVIL DRAWINGS FOR CONTINUATION
4. (2) 2" CONDUITS BELOW GRADE FOR COMMUNICATIONS SERVICES. PROVIDE PULL STRING IN EACH RACEWAY. VERIFY TERMINATION POINT AT PROPERTY LINE WITH LOCAL COMMUNICATIONS ACCESS PROVIDER. REFERENCE DETAIL 4, THIS SHEET.
5. SERVICE LATERALS TO METER CENTERS, REFERENCE DETAIL 3, THIS SHEET, AND RISER DIAGRAMS ON E6 SHEETS.
6. EXISTING UTILITY TRANSFORMER 'T8' TO BE RE-USED FOR BUILDING A ELECTRIC SERVICES.
7. NEW UTILITY TRANSFORMER 'T9' TO BE INSTALLED FOR BUILDING B ELECTRIC SERVICES. COORDINATE RESPONSIBILITIES WITH UTILITY COMPANY AND PAY ALL FEES.



1 MECHANICAL/ELECTRICAL SITE PLAN
1" = 20'-0"



4 CONDUIT TRENCH SECTION (TELECOM)
NO SCALE



3 CONDUIT TRENCH SECTION (SERVICE LATERAL)
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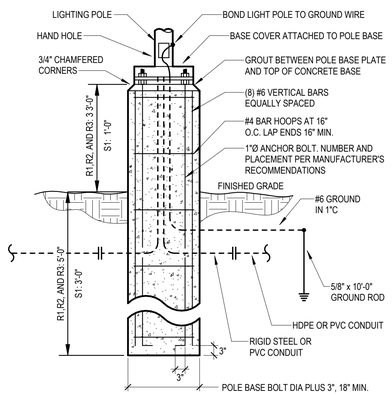

2 LIGHT POLE BASE DETAIL
NO SCALE

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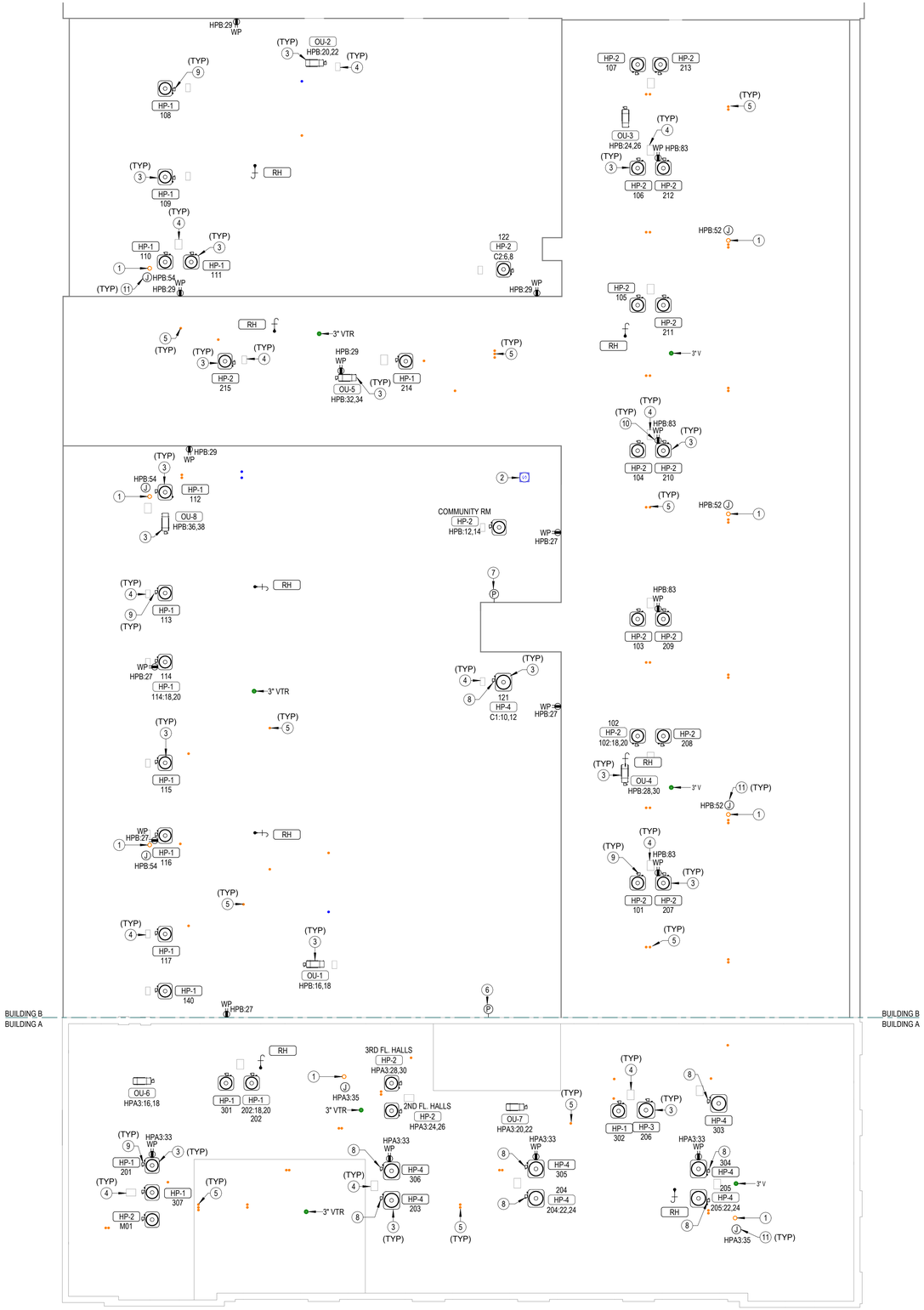

1 MECHANICAL/ELECTRICAL ROOF PLAN

3/32" = 1'-0"

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Project 25062 2/16/2026

NOTES BY SYMBOL

1. 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
2. PROVIDE GRAVITY ROOF INTAKE VENTILATOR WITH BIRD SCREEN EQUAL TO GREENHECK GRSI-8. MINIMUM 0.37 SQUARE FOOT THROAT AREA. PROVIDE WITH ROOF CURB COMPATIBLE WITH ROOF SLOPE AND MATERIAL.
3. MOUNT HEAT PUMP TO UNISTRUT FRAME SUPPORTED ON NVENT CADDY PYRAMID ROOF SUPPORTS. PROVIDE VIBRATION ISOLATOR BETWEEN ROOF SUPPORTS AND UNISTRUT FRAME. COORDINATE INSTALLATION WITH ROOFING CONTRACTOR. TYPICAL.
4. ROUTE REFRIGERANT PIPING DOWN THROUGH ROOF TO MATCHING BLOWER COIL. PROVIDE PIPING PENETRATION ASSEMBLY EQUAL TO RPH AW SERIES ROOF VAULT WITH EXIT SEALS FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT AND TWO ADDITIONAL SPARE EXIT SEALS. SEE DETAIL 4.M6.1 FOR MORE INFORMATION. SUBMIT PRODUCT DATA FOR REVIEW PRIOR TO INSTALLATION. COORDINATE CUTTING OF ROOF WITH G.C.
5. 4"Ø EXHAUST DUCT(S) FROM BELOW. PROVIDE ROOF CURB SIZED TO ALLOW INSTALLATION OF 90 DEGREE ELBOW FOR SIDEWALL TERMINATION. PROVIDE MANUFACTURER'S WALL CAP WITH BACKDRAFT DAMPER. PROVIDE BATHROOM EXHAUST TERMINATION WITH BIRD SCREEN.
6. PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS. REFERENCE DETAIL 3:E1.1.
7. PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS. REFERENCE DETAIL 3:E1.2.
8. PROVIDE 60A/2-POLE, NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE AND MAKE FINAL CONNECTION TO EQUIPMENT IN LFMC RACEWAY. MOUNT TO UNISTRUT FRAME SUPPORTED FROM EQUIPMENT SUPPORT RAILS.
9. UNLESS NOTED OTHERWISE, PROVIDE 30A/2-POLE, NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE AND MAKE FINAL CONNECTION TO EQUIPMENT IN LFMC RACEWAY. MOUNT TO UNISTRUT FRAME SUPPORTED FROM EQUIPMENT SUPPORT RAILS. TYPICAL UNLESS NOTED OTHERWISE.
10. MOUNT RECEPTACLE TO UNISTRUT FRAME SUPPORTED FROM HEAT PUMP UNISTRUT FRAME.
11. PROVIDE J-BOX FOR POWER TO FUTURE RADON MITIGIATION FAN. CONTRACTOR TO COORDINATE EXACT LOCATION WITH OWNER/EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

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Project 25062 **2/16/2026**

General Plan Symbols

- Plan Revision Number
- Detail Number on Sheet / Sheet Number Where Detail is Placed
- Keynote Symbol
- Continuation Symbol
- Point Where New Connects To Existing
- Room / X — Room Name / Number
- Area Being Demolished
- Area Not In Contract
- Electrical Equipment. Do not route HVAC installation above or below equipment. Maintain working clearance as indicated by dashed line.

Abbreviations

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MU/A	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FDC	FIRE DEPARTMENT CONNECTION	RH	RELATIVE HUMIDITY
FL	FLOOR	RL/A	RELIEF AIR
FO	FUEL OIL	RM	ROOM
FOV	FUEL OIL VENT	RPM	REVOLUTIONS PER MINUTE
FOR	FUEL OIL RETURN	RW	RAIN WATER
FOS	FUEL OIL SUPPLY	SF	SQUARE FOOT
FPM	FEET PER MINUTE	S/A	SUPPLY AIR
FS	FLOOR SINK	SAN	SANITARY
FT	FOOT/FEET	SF	SQUARE FOOT
FTR	FIN TUBE RADIATION	SD	SMOKE DAMPER
GAL	GALLON	SM	SURFACE MOUNT
GF	GAS-FIRED	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

Equipment Abbreviations

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER

* NOTE *
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

HVAC Symbols

- 24"/12" — Sq. Duct Size (Width/Height)
- 24"x12"FO — Oval Duct Size (Width x Height)
- 18"Ø — Round Duct Size (Diameter)
- (E) — Existing Duct To Remain
- Duct To Be Demolished
- S/A — Supply Air
- V/A — Ventilation Air
- O/A — Outdoor Air
- R/A — Return Air
- T/A — Transfer Air
- E/A — General Exhaust Air
- KED — Kitchen Exhaust Duct
- FLUE — Flue Gas Vent
- C/A — Combustion Air
- Rect. Supply Duct Rise / Drop
- Round Supply Duct Rise / Drop
- Rect. Return Duct Rise / Drop
- Round Return Duct Rise / Drop
- Rect. Exhaust Duct Rise / Drop
- Round Exhaust Duct Rise / Drop

Grille, Register, Diffusers

Square Ceiling Diffuser — CD- 500 / 10"Ø/24x24 — Type (See Schedule); Airflow; Neck Size / Module Size

Round Ceiling Diffuser — CD11 100 / 6"Ø / TYP. X 4 — Type (See Schedule); Airflow; Neck Size; Type Count for Space

Sidewall Supply Grille — SG5 300 / 18"/6" / AFF:0" — Type (See Schedule); Airflow; Nominal Duct Size; Mounting Elevation (Centerline)

Linear Diffuser — SD- 200 / 8"Ø/2s/4'-0"L — Type (See Schedule); Airflow; Neck Size/ Slot(s)/ Active Length

Sidewall Return Grille — RG6 200 / 12"/6"/--- / AFF:0" — Type (See Schedule); Airflow; Nominal Duct Size; Mounting Elevation (Centerline)

Ceiling Return — CR2 200 / 8"Ø/24x24 — Type (See Schedule); Airflow; Neck Size / Module Size

Mechanical Equipment

- RTU-1 — Unit Identity
- E)AHU-2 — Existing to Remain Equipment
- R)AHU-3 — Existing Relocated Equipment
- Equipment By Others (Refer To Other Disciplines)

Mechanical Control Devices

- T — Thermostat
- H — Humidistat
- TS — Temperature Sensor
- HS — Humidity Sensor
- CO2 — Carbon Dioxide Detector
- HZG — Hazardous Gas Detector

Damper Types

- B — Manual Damper
- M — Motorized Damper
- Backdraft Damper
- Smoke Damper
- Fire Damper
- Comb. Fire/ Smoke Damper

HVAC SHEET INDEX

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GENERAL HVAC NOTES

A. CONTRACTOR SHALL LOCATE THERMOSTATS AND HUMIDISTATS AT 4'-0" AFF UNLESS NOTED OTHERWISE. MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF 8" FROM LIGHT SWITCHES.
B. CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE TYPE "L" COPPER. WHERE INSTALLED ABOVE CEILINGS, CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH MINIMUM 1/2" FIBERGLASS PIPE INSULATION WITH ALL SERVICE JACKET.
C. ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE.
D. COORDINATE THE EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH LIGHTING.
E. PROVIDE DIFFUSERS AND REGISTERS WITH 4-WAY BLOW PATTERN UNLESS OTHERWISE NOTED.
F. HVAC EQUIPMENT SHALL NOT BE UTILIZED UNTIL ALL DUCT PRODUCING CONSTRUCTION ACTIVITY HAS BEEN COMPLETED. CONTRACTOR SHALL BE REQUIRED TO OBTAIN APPROVAL FROM OWNER PRIOR TO EQUIPMENT STARTUP, AND TO REPLACE FILTERS ON HVAC EQUIPMENT UPON FINAL COMPLETION.
G. LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
H. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
I. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
J. ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOFS WITHOUT A 42" HIGH PARAPET OR GUARD RAIL. WHERE PROVIDING 10'-0" SEPARATION FROM ROOF EDGE IS NOT POSSIBLE, PROVIDE PERMANENT FALL ARREST ANCHORS COMPLIANT WITH ANSI/ASSP Z359.1. COORDINATE WITH GENERAL CONTRACTOR.
K. LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT OUTSIDE OF THE NEC REQUIRED CLEAR SPACE ABOVE AND AROUND ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR.
L. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE U.L. LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.
M. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
N. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.
O. TRANSITION FROM PIPING AND DUCTWORK SIZES SHOWN TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.
P. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
Q. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
R. INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
S. PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT AND MATERIALS. SUBSTITUTE EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL SHALL BE SUBJECT TO REPLACEMENT AT CONTRACTOR'S EXPENSE.
T. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
U. PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

GENERAL MECHANICAL DEMOLITION NOTES

A. ALL PIPING TAKEN OUT OF SERVICE SHALL BE REMOVED. WHERE PIPING TO BE REMOVED IS CONNECTED TO EXISTING PIPING TO REMAIN, PIPING SHALL BE REMOVED BACK TO MAIN AND CAPPED, UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL DISPOSE OF PIPING OR DELIVER TO OWNER, AS DIRECTED BY OWNER.
B. WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB.
C. ALL DUCTWORK TAKEN OUT OF SERVICE SHALL BE REMOVED.
D. COORDINATE CUTTING, PATCHING OF EXISTING WALLS, CEILINGS, ROOF AND FLOORS AFFECTED BY MECHANICAL DEMOLITION WITH G.C.
E. ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED OF AS DIRECTED BY OWNER.
F. REMOVE ALL MECHANICAL INSTALLATION FROM PROJECT AREA. UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C.
G. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION.
H. NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED.
I. FIELD VERIFY EXACT LOCATION OF ALL EXISTING MECHANICAL INSTALLATION INDICATED ON DRAWINGS.
J. ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW CONDITION PRIOR TO RE-USE.

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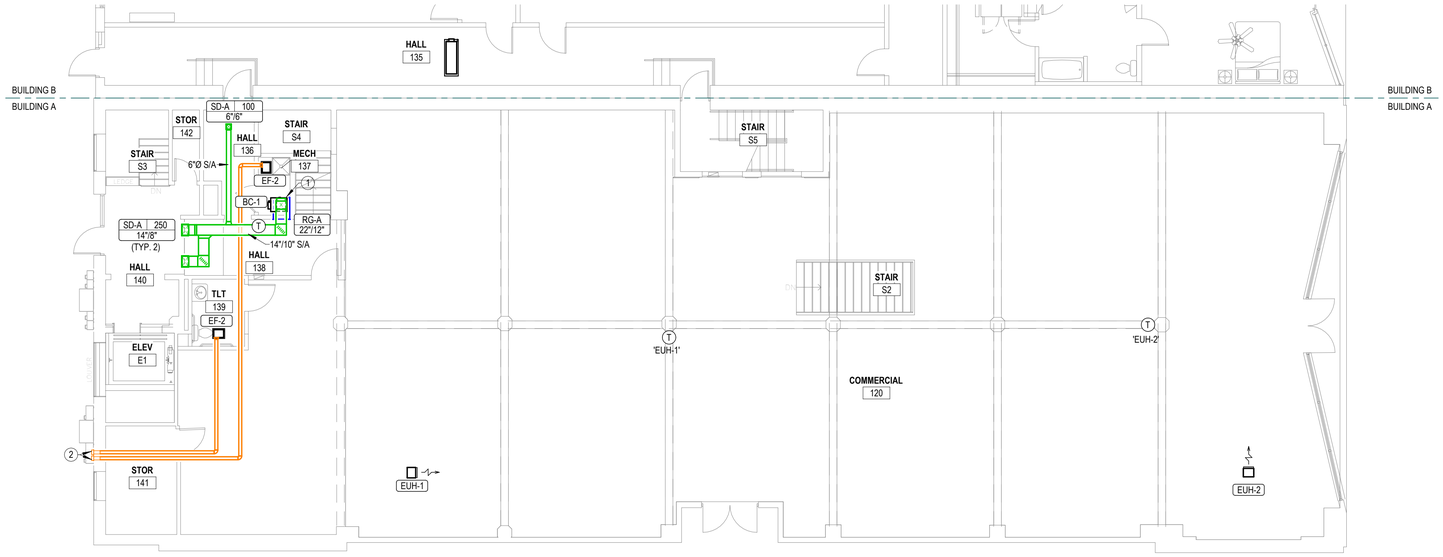
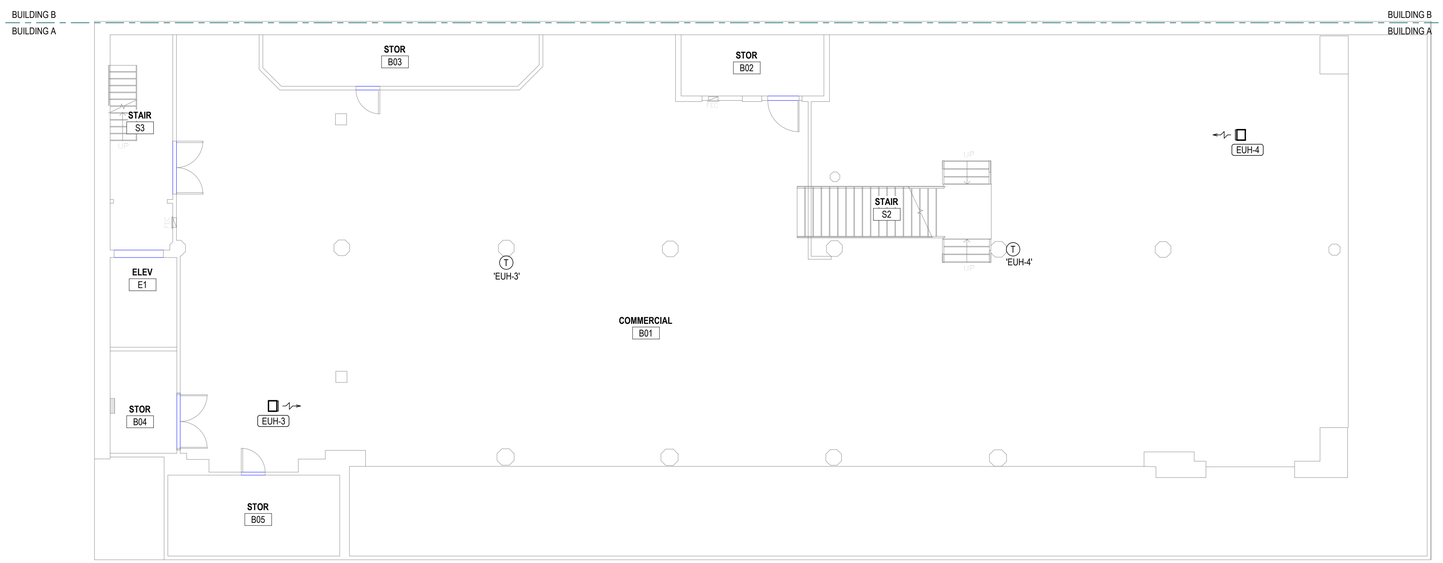
2. ROUTE 4"Ø EXHAUST DUCT TO MANUFACTURER'S WALL CAP WITH BACKDRAFT DAMPER AND BIRD SCREEN.



2 HVAC FLOOR PLAN-FIRST FLOOR-BUILDING A

1/8" = 1'-0"



1 HVAC FLOOR PLAN-BASEMENT-BUILDING A

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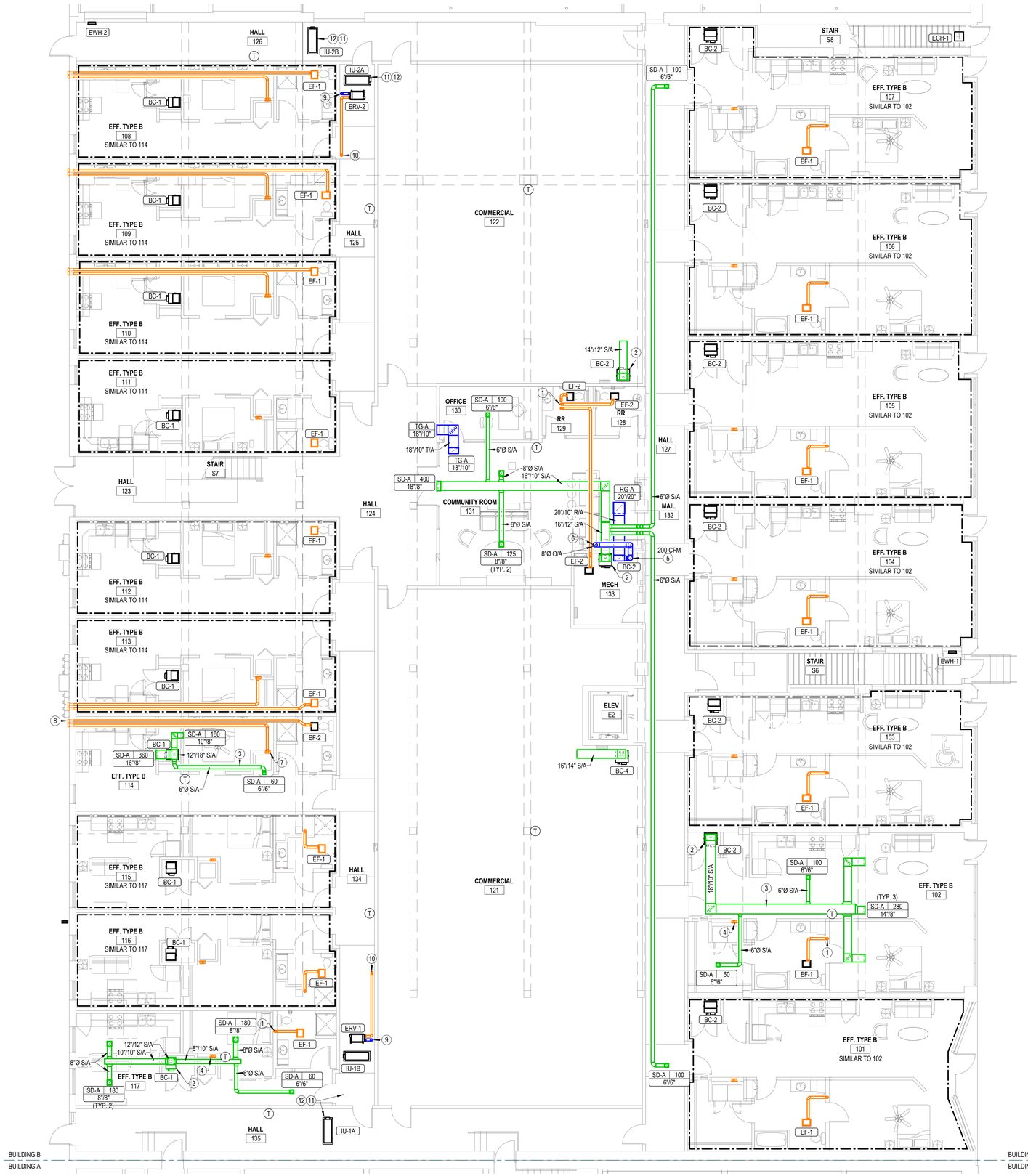
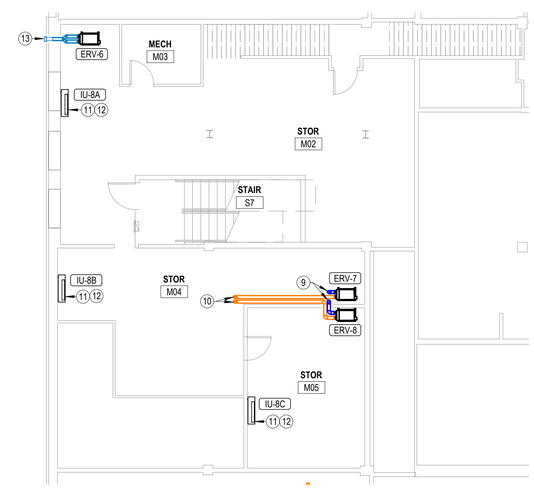


1 HVAC FLOOR PLAN-FIRST FLOOR-BUILDING B

1/8" = 1'-0"



2 HVAC FLOOR PLAN-MEZZANINE-BUILDING B

1/8" = 1'-0"

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NOTES BY SYMBOL

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3. ROUTE DUCT CONCEALED ABOVE LOWERED CEILING OR IN SOFFIT, COORDINATE WITH ARCHITECT.
4. PROVIDE UL LISTED DRYER BOX EQUAL TO IN-O-VATE TECHNOLOGIES IN WALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4"Ø DRYER EXHAUST DUCT TO ROOF. MAXIMUM ALLOWABLE EQUIVALENT DUCT LENGTH = 35'. UTILIZE LONG RADIUS SMOOTH ELBOWS WHERE REQUIRED. MAXIMUM EQUIVALENT DUCT LENGTH MAY BE INCREASED WHERE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS ALLOW, AND DOCUMENTATION IS PROVIDED TO CODE OFFICIAL PRIOR TO CONCEALMENT INSPECTION. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED. PROVIDE PERMANENT LABEL IDENTIFYING EQUIVALENT LENGTH OF DRYER DUCT INSTALLED PER IMC 504.
5. CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS, SEE DETAIL 2/M6.1 FOR MORE INFORMATION.
6. TRANSITION TO 8"x8" OUTDOOR AIR DUCT AND ROUTE UP TO INTAKE HOOD ON ROOF.
7. PROVIDE UL LISTED DRYER BOX EQUAL TO IN-O-VATE TECHNOLOGIES IN WALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4"Ø DRYER EXHAUST DUCT TO MANUFACTURER'S WALL CAP. MAXIMUM ALLOWABLE EQUIVALENT DUCT LENGTH = 35'. UTILIZE LONG RADIUS SMOOTH ELBOWS WHERE REQUIRED. MAXIMUM EQUIVALENT DUCT LENGTH MAY BE INCREASED WHERE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS ALLOW, AND DOCUMENTATION IS PROVIDED TO CODE OFFICIAL PRIOR TO CONCEALMENT INSPECTION. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED. PROVIDE PERMANENT LABEL IDENTIFYING EQUIVALENT LENGTH OF DRYER DUCT INSTALLED PER IMC 504.
8. ROUTE 4"Ø EXHAUST DUCT TO MANUFACTURER'S WALL CAP WITH BACKDRAFT DAMPER AND BIRD SCREEN.
9. ROUTE 4"Ø ERV OUTDOOR AIR INTAKE DUCT UP TO ROOF AND PROVIDE ROOF JACK WITH BIRD SCREEN. MAINTAIN A MINIMUM OF 10 FEET FROM ALL EXHAUST AND VENT TERMINATIONS.
10. ROUTE 4"Ø ERV EXHAUST AIR DUCT UP TO ROOF AND PROVIDE ROOF JACK WITH BIRD SCREEN AND BACKDRAFT DAMPER.
11. ROUTE REFRIGERANT PIPING FROM INDOOR UNIT TO CORRESPONDING OUTDOOR UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE ME1.2 FOR HEAT PUMP LOCATIONS.
12. PROVIDE 1" CONDENSATE DRAIN FROM INDOOR UNIT TO NEAREST MECHANICAL CLOSET.
13. PROVIDE MANUFACTURER'S EXTERIOR WALL CAP AND CONNECT 4"Ø EXHAUST AND INTAKE DUCT TO ERV.

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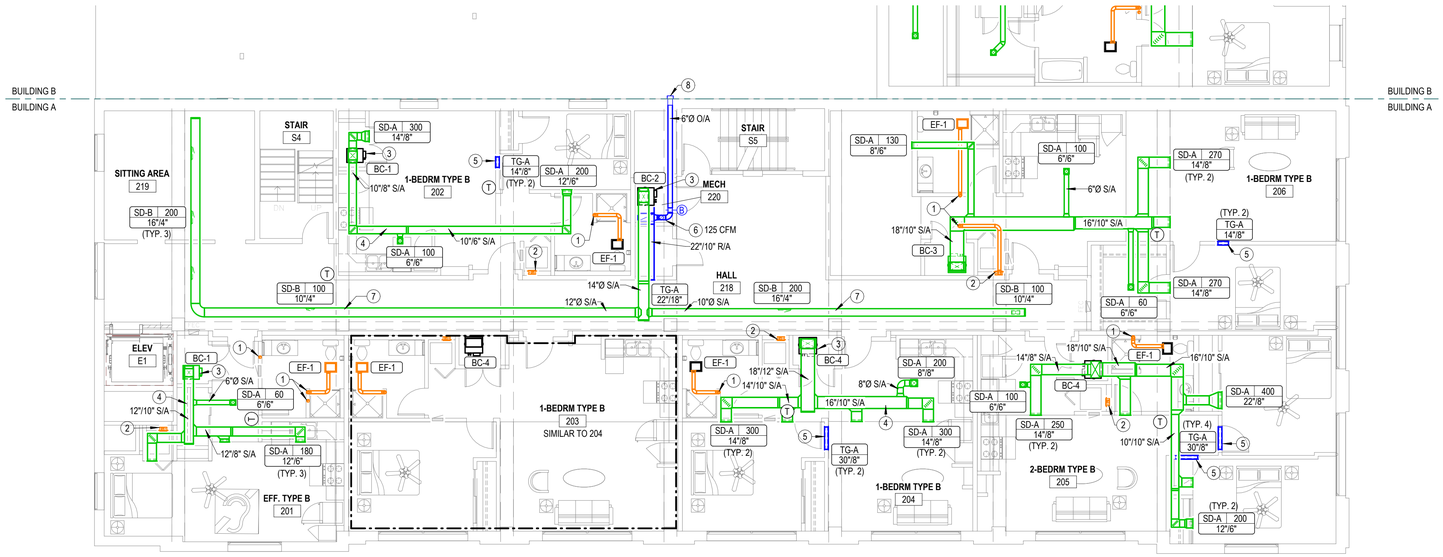
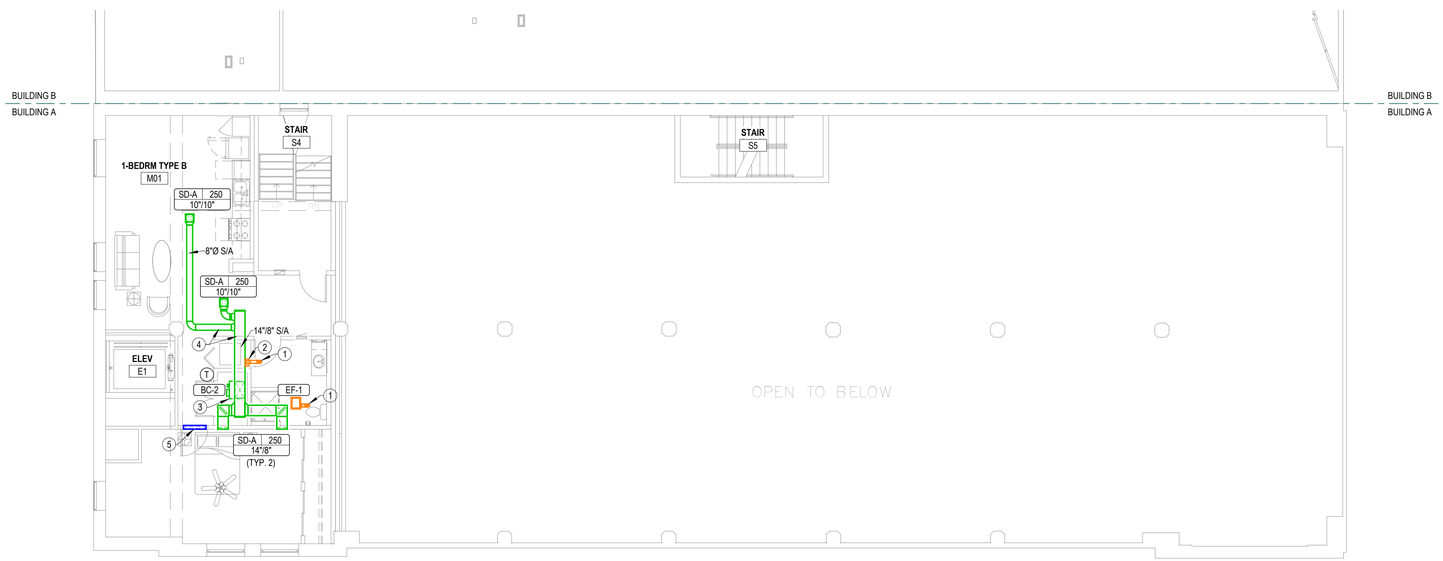
5. MOUNT TRANSFER GRILLE IN BEDROOM 6" BELOW CEILING AND MOUNT TRANSFER GILLE ON OPPOSITE SIDE OF WALL 6" ABOVE FINISHED FLOOR. WHERE WALL SPACE IS NOT AVAILABLE, INSTALL ABOVE DOOR AND OFFSET AS MUCH AS POSSIBLE. LINE STUD CAVITY WITH SHEET METAL DUCTWORK.
6. CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS, SEE DETAIL 2:M6.1 FOR MORE INFORMATION.
7. MOUNT DUCT AS HIGH AS POSSIBLE BELOW ALL STRUCTURE. COORDINATE EXACT DUCT MOUNTING WITH ARCHITECT. SEE DETAIL 3:N6.1 FOR MORE INFORMATION.
8. ROUTE 6"Ø OUTDOOR AIR DUCT TO WALL CAP WITH BIRD SCREEN.



2 HVAC FLOOR PLAN-SECOND FLOOR-BUILDING A

1/8" = 1'-0"



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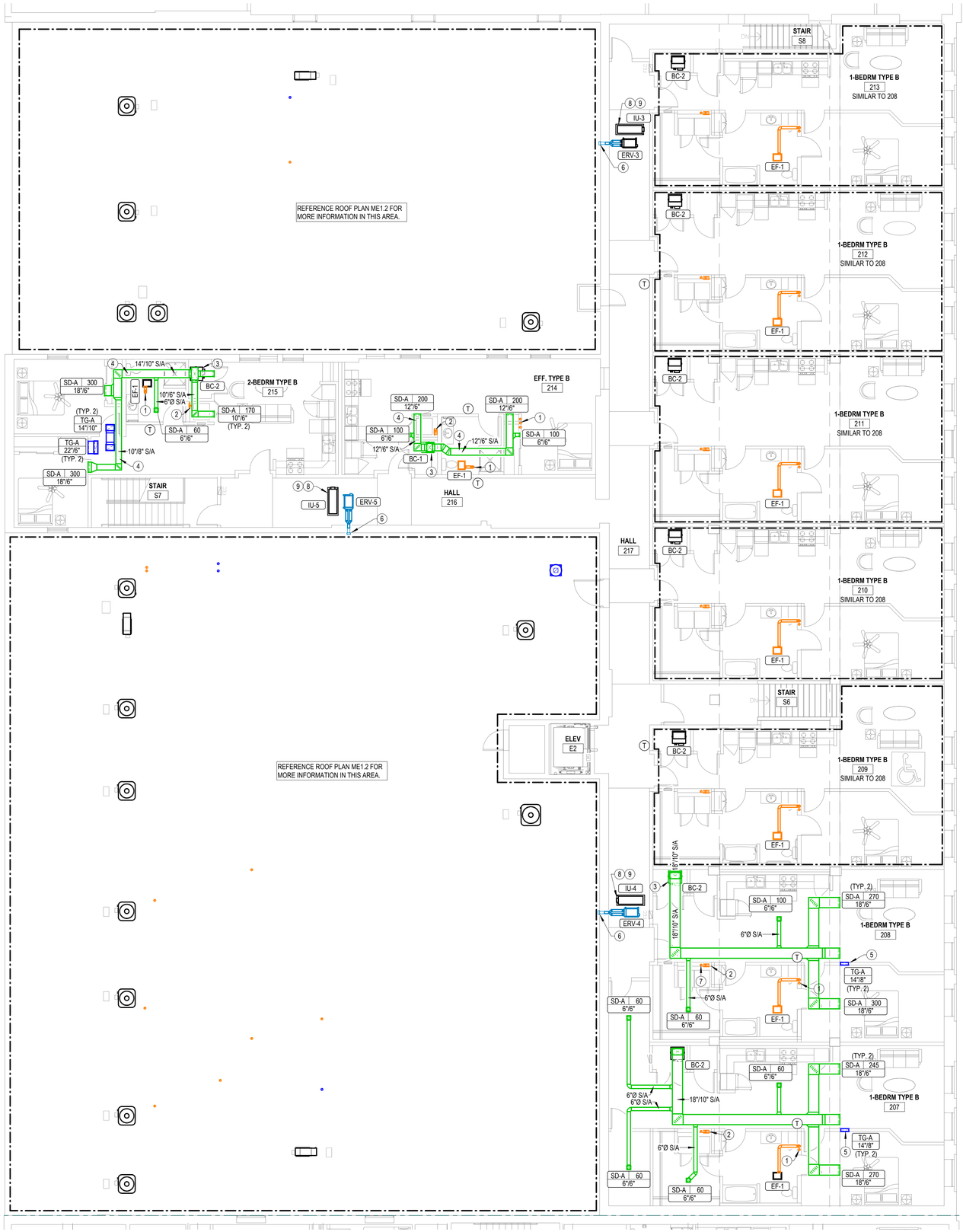

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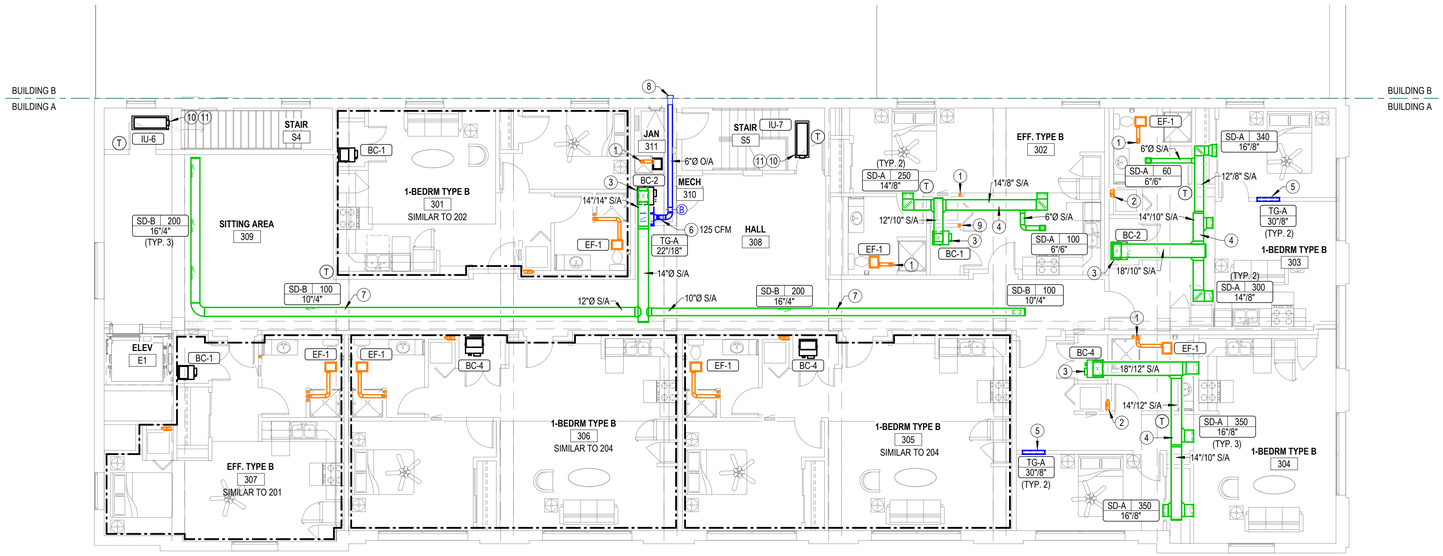
1. ROUTE 4"Ø EXHAUST DUCT(S) UP THROUGH ROOF, SEE ME1.2 FOR CONTINUATION. TYPICAL.
2. PROVIDE UL LISTED DRYER BOX EQUAL TO IN-O-VATE TECHNOLOGIES IN WALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4"Ø DRYER EXHAUST DUCT TO ROOF. MAXIMUM ALLOWABLE EQUIVALENT DUCT LENGTH = 35'. UTILIZE LONG RADIUS SMOOTH ELBOWS WHERE REQUIRED. MAXIMUM EQUIVALENT DUCT LENGTH MAY BE INCREASED WHERE DRYER MANUFACTURER'S INSTALLATION INSTRUCTIONS ALLOW, AND DOCUMENTATION IS PROVIDED TO CODE OFFICIAL PRIOR TO CONCEALMENT INSPECTION. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED. PROVIDE PERMANENT LABEL IDENTIFYING EQUIVALENT LENGTH OF DRYER DUCT INSTALLED PER IMC 504.
3. ROUTE REFRIGERANT PIPING FROM BLOWER COIL TO CORRESPONDING HEAT PUMP UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE ME1.2 FOR HEAT PUMP LOCATIONS.
4. ROUTE DUCT CONCEALED IN SOFFIT, COORDINATE WITH ARCHITECT.
5. MOUNT TRANSFER GRILLE IN BEDROOM 6" BELOW CEILING AND MOUNT TRANSFER GILLE ON OPPOSITE SIDE OF WALL 6" ABOVE FINISHED FLOOR. WHERE WALL SPACE IS NOT AVAILABLE, INSTALL ABOVE DOOR AND OFFSET AS MUCH AS POSSIBLE. LINE STUD CAVITY WITH SHEET METAL DUCTWORK.
6. CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS, SEE DETAIL 2:M6.1 FOR MORE INFORMATION.
7. MOUNT DUCT AS HIGH AS POSSIBLE BELOW ALL STRUCTURE, COORDINATE EXACT DUCT MOUNTING WITH ARCHITECT. SEE DETAIL 3:N6.1 FOR MORE INFORMATION.
8. ROUTE 6"Ø OUTDOOR AIR DUCT TO WALL CAP WITH BIRD SCREEN.
9. ROUTE 4"Ø EXHAUST DUCT(S) UP, TYPICAL.
10. ROUTE REFRIGERANT PIPING FROM INDOOR UNIT TO CORRESPONDING OUTDOOR UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE ME1.2 FOR HEAT PUMP LOCATIONS.
11. PROVIDE 1" CONDENSATE DRAIN FROM INDOOR UNIT TO NEAREST MECHANICAL CLOSET.



1 HVAC FLOOR PLAN-THIRD FLOOR-BUILDING A

1/8" = 1'-0"

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DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

M1.5

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GRILLES, REGISTERS, & DIFFUSERS SCHEDULE

GENERAL... 1. PROVIDE MOUNTING FRAME AS REQUIRED FOR CEILING TYPE.
2. MAXIMUM NC SHALL BE 25.
3. RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS NECK, U.N.O.
4. PAINT OBJECTS VISIBLE THROUGH GRILLES WITH FLAT BLACK PAINT.
5. COORDINAT LOCATIONS OF ALL WALL DEVICES WITH ARCHITECT.

MARK	MANUFACTURER	MODEL	APPLICATION				MOUNTING	DAMPER	DESCRIPTION
			SUPPLY	RETURN	EXAUST	TRANSFER			
RG-A	TITUS	350RL		■			Surface Mount	No	STEEL LOUVERED RETURN GRILLE, SIZE AS INDICATED ON DRAWINGS.
SD-A	TITUS	300R	■				Surface Mount	Yes	STEEL DOUBLE DEFLECTION SUPPLY GRILLE WITH FRONT BLADES PARALLEL TO LONG DIMENSION, SIZE AS INDICATED ON DRAWINGS.
SD-B	TITUS	S300FL	■				Duct Mount Frame	<varies>	SPIRAL DUCT MOUNTED ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE WITH FRONT BLADES PARALLEL TO LONG DIMENSION, SIZE AS INDICATED ON DRAWINGS.
TG-A	TITUS	350RL				■	Surface Mount	No	STEEL LOUVERED TRANSFER GRILLE, SIZE AS INDICATED ON DRAWINGS.

ENERGY RECOVERY VENTILATOR SCHEDULE

NOTES: 1. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION WITH DISCONNECT SWITCH.
2. PROVIDE WITH EC MOTORS.
3. PROVIDE WITH MERV 8 SA AND EA FILTERS.
4. PROVIDE WITH INTERGRAL MOTORIZED DAMPERS.

MARK	MANUFACTURER	MODEL	SUPPLY AIRFLOW	SUPPLY ESP	EXHAUST AIRFLOW	EXHAUST ESP	ELECTRICAL		
							VOLTAGE	PHASE	MCA
ERV-1	Panasonic	FV-06VE1	30 CFM	0.10 in-wg	30 CFM	0.10 in-wg	120 V	1	0.4 A
ERV-2	Panasonic	FV-06VE1	30 CFM	0.10 in-wg	40 CFM	0.10 in-wg	120 V	1	0.4 A
ERV-3	Panasonic	FV-06VE1	40 CFM	0.10 in-wg	40 CFM	0.10 in-wg	120 V	1	0.4 A
ERV-4	Panasonic	FV-06VE1	40 CFM	0.10 in-wg	40 CFM	0.10 in-wg	120 V	1	0.4 A
ERV-5	Panasonic	FV-06VE1	30 CFM	0.10 in-wg	30 CFM	0.10 in-wg	120 V	1	0.4 A
ERV-6	Panasonic	FV-06VE1	50 CFM	0.10 in-wg	50 CFM	0.10 in-wg	120 V	1	0.4 A
ERV-7	Panasonic	FV-06VE1	50 CFM	0.10 in-wg	50 CFM	0.10 in-wg	120 V	1	0.4 A
ERV-8	Panasonic	FV-06VE1	30 CFM	0.10 in-wg	30 CFM	0.10 in-wg	120 V	1	0.4 A

EXHAUST FAN SCHEDULE

NOTES:
1. PROVIDE MANUFACTURER'S ROOF JACK.
2. FIXTURE SHALL OPERATE AT < 1 SONE.
3. PROVIDE EC MOTOR WITH INTEGRAL DISCONNECT.
4. PROVIDE INTEGRAL BACKDRAFT DAMPER.

MARK	MANUFACTURER	MODEL	CFM	ESP	POWER	ELECTRICAL	
						VOLTAGE	PHASE
EF-1	PANASONIC	FV-0511VQ1	80 CFM	0.25 in-wg	22 W	120 V	1
EF-2	PANASONIC	FV-0511VQ1	50 CFM	0.25 in-wg	22 W	120 V	1

MINI-SPLIT HEAT PUMP INDOOR UNIT SCHEDULE

NOTES:
1. INDOOR UINTS ARE POWERED FROM OUTDOOR UNIT. PROVIDE ALL REQUIRED INTERCONNECTED CABLING PER MANUFACTURER'S INSTRUCTIONS.
2. WHERE POSSIBLE, CONCEAL REFRIGERANT PIPINNG, CONDENSATE PIPING AND ELECTRICAL IN WALLS AND ABOVE CEILINGS. WHEN NOT POSSIBLE, UTILIZE LINE-HIDE KIT TO CONCEAL REFRIGERANT PIPING AND CONDENSATE PIPING BELOW CEILING.

MARK	MANUFACTURER	MODEL	TYPE	SENSIBLE COOLING	HEATING CAPACITY
IU-1A	MITSUBISHI	MLZ-KX09NL	1-WAY CEILING CASSETTE	9,000 Btu/h	11,400 Btu/h
IU-1B	MITSUBISHI	MLZ-KX09NL	1-WAY CEILING CASSETTE	9,000 Btu/h	11,400 Btu/h
IU-2A	MITSUBISHI	MLZ-KX06NL	1-WAY CEILING CASSETTE	6,000 Btu/h	7,200 Btu/h
IU-2B	MITSUBISHI	MLZ-KX12NL	1-WAY CEILING CASSETTE	12,000 Btu/h	15,000 Btu/h
IU-3	MITSUBISHI	MLZ-KX12NL	1-WAY CEILING CASSETTE	12,000 Btu/h	15,000 Btu/h
IU-4	MITSUBISHI	MLZ-KX12NL	1-WAY CEILING CASSETTE	12,000 Btu/h	15,000 Btu/h
IU-5	MITSUBISHI	MLZ-KX09NL	1-WAY CEILING CASSETTE	9,000 Btu/h	11,400 Btu/h
IU-6	MITSUBISHI	MLZ-KX09NL	1-WAY CEILING CASSETTE	9,000 Btu/h	11,400 Btu/h
IU-7	MITSUBISHI	MLZ-KX09NL	1-WAY CEILING CASSETTE	9,000 Btu/h	11,400 Btu/h
IU-8A	MITSUBISHI	MSZ-FX06NL	WALL MOUNTED UNIT	6,000 Btu/h	9,000 Btu/h
IU-8B	MITSUBISHI	MSZ-FX06NL	WALL MOUNTED UNIT	6,000 Btu/h	9,000 Btu/h
IU-8C	MITSUBISHI	MSZ-FX06NL	WALL MOUNTED UNIT	6,000 Btu/h	9,000 Btu/h

ELECTRIC HEATER SCHEDULE

NOTES:
1. PROVIDE WITH HIGH TEMP. THERMAL CUTOUT AND FAN DELAY.
2. PROVIDE WITH INTEGRAL THERMOSTAT.
3. PROVIDE WITH SURFACE MOUNT OR RECESSED FRAME AS REQUIRED. FIELD COORDINATE EXACT REQUIREMENTS WITH EXISTING CONDITIONS AND ARCH.
4. PROVIDE MOUNTING BRACKET AS REQUIRED.
5. MOUNT AS HIGH AS POSSIBLE, PER MANUFACTURER'S RECOMMENDATIONS.
6. PROVIDE WITH 24V THERMOSTAT.
7. PROVIDE UNIT MOUNTED DISCONNECT SWITCH.

MARK	MANUFACTURER	MODEL	WATTS	VOLT	PHASE	DESCRIPTION	NOTES
ECH-1	TRANE	UHCA	3.0 kW	208 V	1	CEILING SURFACE MOUNTED FAN FORCED HEATER	1,2,3,7
EUH-1	TRANE	UHEC	3.3 kW	208 V	1	FAN FORCED UNIT HEATER	1,4,5,6,7
EUH-2	TRANE	UHEC	3.3 kW	208 V	1	FAN FORCED UNIT HEATER	1,4,5,6,7
EUH-3	TRANE	UHEC	3.3 kW	208 V	1	FAN FORCED UNIT HEATER	1,4,5,6,7
EUH-4	TRANE	UHEC	3.3 kW	208 V	1	FAN FORCED UNIT HEATER	1,4,5,6,7
EWH-1	TRANE	UHWA	3.0 kW	208 V	1	ARCHITECTURAL FAN FORCED WALL HEATER	1,2,3,7
EWH-2	TRANE	UHWA	3.0 kW	208 V	1	ARCHITECTURAL FAN FORCED WALL HEATER	1,2,3,7

MINI-SPLIT HEAT PUMP OUTDOOR UNIT SCHEDULE

NOTES:
1. PROVIDE REFRIGERANT PIPING SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR ACTUAL FIELD INSTALLED LENGTH AND ROUTING.
2. INSTALL REFRIGERANT PIPING IN ACCORDANCE TO ASHRAE STANDARD 15.
3. PROVIDE WITH R454B REFRIGERANT.
4. PROVIDE WITH HAIL GUARDS.
5. VERIFY RECOMMENDED CIRCUIT BREAKER SIZE WITH MANUFACTURER.

MARK	MANUFACTURER	MODEL	TYPE	NOMINAL CAPACITY	V/Ph	MCA	MOCP
OU-1	MITSUBISHI	MXZ-2D20NLHZ	MULTI-ZONE HYPER HEAT PUMP	1.50 ton	208 V/1	21.7 A	30.0 A
OU-2	MITSUBISHI	MXZ-2D20NLHZ	MULTI-ZONE HYPER HEAT PUMP	1.50 ton	208 V/1	21.7 A	30.0 A
OU-3	MITSUBISHI	SUZ-AA12NLHZ	HYPER HEAT PUMP	1.00 ton	208 V/1	25.0 A	30.0 A
OU-4	MITSUBISHI	SUZ-AA12NLHZ	HYPER HEAT PUMP	1.00 ton	208 V/1	25.0 A	30.0 A
OU-5	MITSUBISHI	SUZ-AA09NLHZ	HYPER HEAT PUMP	0.75 ton	208 V/1	24.0 A	25.0 A
OU-6	MITSUBISHI	SUZ-AA09NLHZ	HYPER HEAT PUMP	0.75 ton	208 V/1	24.0 A	25.0 A
OU-7	MITSUBISHI	SUZ-AA09NLHZ	HYPER HEAT PUMP	0.75 ton	208 V/1	24.0 A	25.0 A
OU-8	MITSUBISHI	MXZ-3D24NLHZ	MULTI-ZONE HYPER HEAT PUMP	2.00 ton	208 V/1	29.0 A	40.0 A

BLOWER COIL SCHEDULE

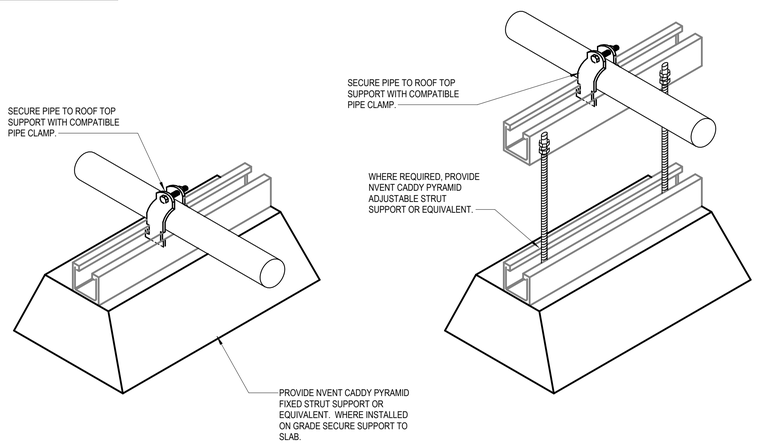
NOTES:
1. SINGLE POINT CONNECTION REQUIRED, COORDINATE THE EXACT ELECTRICAL REQUIREMENTS OF EQUIPMENT PROVIDED WIH E.C.
2. ELECTRIC HEATER SHALL NOT OPERATE SIMULTANEOUSLY WITH HEAT PUMP. ELECTRIC HEATER SHALL BE USED AS BACK-UP HEAT ONLY.
3. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT COMPATIBLE WITH REQUIREMENTS OF 2021 IECC.
4. PROVIDE 2 SETS OF MERV-8 FILTERS.

MARK	MANUFACTURER	MODEL	FAN		ELECTRIC HEAT		ELECTRICAL					
			AIRFLOW	ESP	CIRCUIT	CIRCUIT 2	VOLTAGE	PHASE	MCA	MCA 2	MOCP	MOCP 2
BC-1	TRANE	5TEM4B02AC21	600 CFM	0.50 in-wg	5.8 kW		208 V	1	38.0 A		40.0 A	
BC-2	TRANE	5TEM4D04AC31	1,000 CFM	0.50 in-wg	7.2 kW		208 V	1	48.0 A		50.0 A	
BC-3	TRANE	5TEM4D05AC41	1,100 CFM	0.50 in-wg	7.2 kW		208 V	1	48.0 A		50.0 A	
BC-4	TRANE	5TEM4D07AC51	1,400 CFM	0.50 in-wg	7.2 kW	3.6 kW	208 V	1	51.0 A	22.0 A	60.0 A	25.0 A

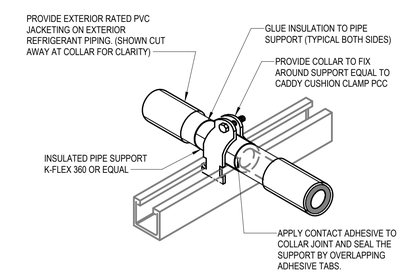
HEAT PUMP SCHEDULE

NOTES:
1. REFRIGERANT LINES SHALL BE FIELD FABRICATED. COORDINATE LINE SIZING REQUIREMENTS WITH EQUIPMENT MANUFACTURER FOR LENGTH.
2. PROVIDE WITH R454B REFRIGERANT.
3. INSTALL REFRIGERANT PIPING IN ACCORDANCE TO ASHRAE STANDARD 15.

MARK	MANUFACTURER	MODEL	NOMINAL CAPACITY	COOLING						HEATING				ELECTRICAL			
				EDB	EDB	EWB	NET SENSIBLE	NET TOTAL	SEER2	OA EDB	EDB	NET TOTAL	HSPF2	PHASE	MCA	MOCP	VOLTAGE
HP-1	TRANE	5TWR4018	1.5 ton	100 °F	76 °F	63 °F	13,378 Btu/h	16,701 Btu/h	14.3	47 °F	70 °F	18,300 Btu/h	7.5	1	12.0 A	20.0 A	208 V
HP-2	TRANE	5TWR4030	2.5 ton	100 °F	76 °F	63 °F	20,216 Btu/h	24,401 Btu/h	14.3	47 °F	70 °F	25,600 Btu/h	7.5	1	16.0 A	25.0 A	208 V
HP-3	TRANE	5TWR4036	3.0 ton	100 °F	76 °F	63 °F	22,768 Btu/h	28,615 Btu/h	14.3	47 °F	70 °F	31,600 Btu/h	7.5	1	19.0 A	30.0 A	208 V
HP-4	TRANE	5TWR4042	3.5 ton	100 °F	76 °F	63 °F	30,008 Btu/h	36,570 Btu/h	14.3	47 °F	70 °F	38,500 Btu/h	7.5	1	24.0 A	40.0 A	208 V



6 **EXTERIOR PIPING SUPPORT DETAIL**
NO SCALE



5 **EXTERIOR REFRIGRANT PIPING INSULATION DETAIL**
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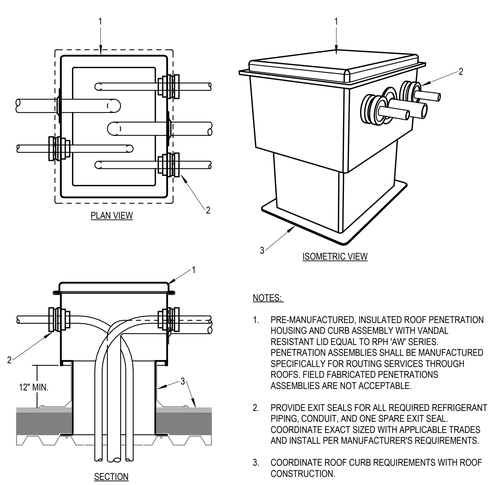
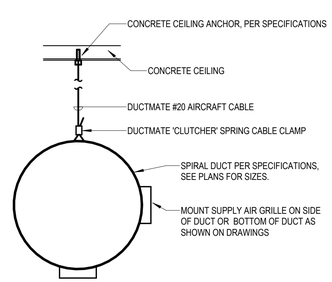


NOTES:
1. PRE-MANUFACTURED, INSULATED ROOF PENETRATION HOUSING AND CURB ASSEMBLY WITH VANDAL RESISTANT LID EQUAL TO RPH 'AW' SERIES. PENETRATION ASSEMBLIES SHALL BE MANUFACTURED SPECIFICALLY FOR ROUTING SERVICES THROUGH ROOFS. FIELD FABRICATED PENETRATIONS ASSEMBLIES ARE NOT ACCEPTABLE.
2. PROVIDE EXIT SEALS FOR ALL REQUIRED REFRIGERANT PIPING, CONDUIT, AND ONE SPARE EXIT SEAL. COORDINATE EXACT SIZED WITH APPLICABLE TRADES AND INSTALL PER MANUFACTURER'S REQUIREMENTS.
3. COORDINATE ROOF CURB REQUIREMENTS WITH ROOF CONSTRUCTION.

4 **ROOF PENETRATION VAULT DETAIL**
NO SCALE



3 **SPIRAL DUCT DETAIL**
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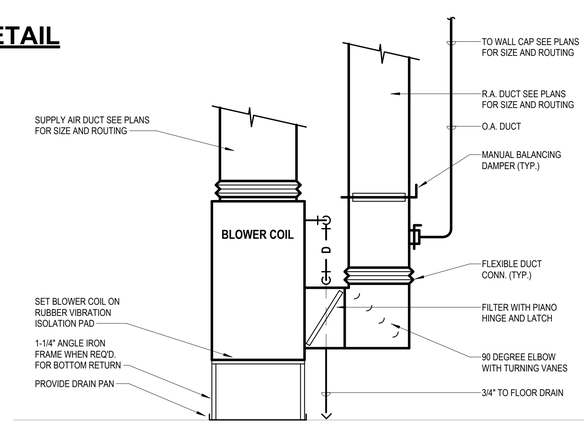

2 **BLOWER COIL DETAIL**
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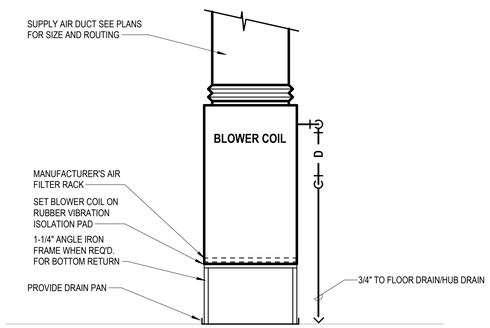

1 **APARTMENT BLOWER COIL DETAIL**
NO SCALE

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General Plan Symbols

- Plan Revision Number
- Detail Number on Sheet
- Sheet Number Where Detail is Placed
- Keynote Symbol
- Continuation Symbol
- Point Where New Connects To Existing
- Room / X — Room Name / Number
- Area Being Demolished
- Area Not In Contract
- Electrical Equipment. Do not route HVAC installation above or below equipment. Maintain working clearance as indicated by dashed line.

Abbreviations

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MU/A	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FDC	FIRE DEPARTMENT CONNECTION	RH	RELATIVE HUMIDITY
FL	FLOOR	RL/A	RELIEF AIR
FO	FUEL OIL	RM	ROOM
FOV	FUEL OIL VENT	RPM	REVOLUTIONS PER MINUTE
FOR	FUEL OIL RETURN	RW	RAIN WATER
FOS	FUEL OIL SUPPLY	SF	SQUARE FOOT
FPM	FEET PER MINUTE	S/A	SUPPLY AIR
FS	FLOOR SINK	SAN	SANITARY
FT	FOOT/FEET	SF	SQUARE FOOT
FTR	FIN TUBE RADIATION	SD	SMOKE DAMPER
GAL	GALLON	SM	SURFACE MOUNT
GF	GAS-FIRED	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT
		WSV	WASTE STACK VENT

Equipment Abbreviations

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EWH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER

* NOTE *
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

Plumbing Symbols

2"	Nominal Pipe Size
	Above Ground Piping
	Below Ground Piping
1/8" / 12" SLOPE	Pipe Slope (When Applicable)
(E)	Existing Pipe To Remain
	Pipe To Be Demolished
CW	Domestic Cold-Water
NPW	Non-Potable Water
S-CW	Soft Cold-Water
F-CW	Filtered Cold-Water
RO	Reverse Osmosis Water
HW	Domestic Hot-Water
HW 140°	Domestic Hot-Water 140°
HW-R	Hot-Water Recirculation
HW-R 140°	Hot-Water Recirculation 140°
SS	Sanitary Drain
V	Sanitary Vent
RD	Radon Mitigation
WV	Sanitary Wet Vent
CWV	Combination DWV
CD	Condensate Drain
ID	Indirect Drain
GW	Grease Waste
GV	Grease Vent
PD	Pump Discharge
SD	Storm Drain
OSD	Storm Overflow
CA	Compressed Air
G	Natural Gas
LP	Liquid Propane
	Pipe Rise / Drop

Pipe Accessory Notes

4" FCO	Cleanout
2" CHECK	Check Valve
2" BALANCE	Balancing Valve
2" CIRC	Circuit Setter
2" GATE	Gate Valve
2" S/O	Ball Valve
2" STRAIN	Fluid Strainer
S — 1" GAS-CNTRL	Emergency Gas Shutoff
1" PLUG	Plug Valve
1" GAS COCK	Gas Shutoff Cock
1" REG	Gas Regulator
T/P — 1" T/V	Thermostatic Valve
T/P — TMV-XT/P	Mixing Valve
EM — TMVEM	Emergency Mixer
2" PRV	Pressure Reducing Valve
W — 2" METER	Water Meter
	Double Check Valve
	Reduced Pressure Zone

Plumbing Fixture Notes

Floor Drain	Design Size
2" FD-A	Identity Type
2 DFU	Drainage Fixture Units
2" FD	Floor Drain w/ Deep Seal Trap
2" FDP	Floor Drain w/ Trap Primer "P" Indicates Primer Connection
2" FD	Floor Drain w/ Integral Cleanout
3" AD-1	Area Drain (No Trap)
6" DD-1	Deck Drain
3" HD-1	Hub Drain (Funnel Type)
3" FS	Floor Sink
8" SD-12	Roof Drain
6" SD-1	Combination Drain
2000 SF	Rainfall Surface Area

GENERAL PLUMBING NOTES

A. FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
B. PITCH UNDERFLOOR SANITARY WASTE PIPING OVER 2" AT 1/8" PER FOOT, 2" AND SMALLER AT 1/4" PER FOOT.
C. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
D. ROUTE DOMESTIC WATER, AND SANITARY SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
E. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.
F. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
G. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL (OR UNIFORM, DEPENDING ON JURISDICTION) PLUMBING CODE AND INTERNATIONAL MECHANICAL CODE.
H. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
I. LOCATE PIPING AND EQUIPMENT OUTSIDE OF THE NEC REQUIRED CLEAR SPACE ABOVE AND AROUND ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL CONTRACTOR.
J. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE U.L. LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.
K. PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
L. MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION. WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.
M. TRANSITION FROM PIPING SIZES SHOWN TO PROPERLY CONNECT TO EQUIPMENT.
N. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
O. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
P. INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
Q. PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL PLUMBING EQUIPMENT AND MATERIALS. SUBSTITUTE EQUIPMENT AND MATERIALS INSTALLED WITHOUT PRIOR APPROVAL SHALL BE SUBJECT TO REPLACEMENT AT CONTRACTOR'S EXPENSE.
R. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
S. PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

GENERAL PLUMBING DEMOLITION NOTES

A. ALL PIPING TAKEN OUT OF SERVICE SHALL BE REMOVED. WHERE PIPING TO BE REMOVED IS CONNECTED TO EXISTING PIPING TO REMAIN, PIPING SHALL BE REMOVED BACK TO MAIN AND CAPPED, UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL DISPOSE OF PIPING OR DELIVER TO OWNER, AS DIRECTED BY OWNER.
B. WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB.
C. COORDINATE CUTTING, PATCHING OF EXISTING WALLS, CEILINGS, ROOF AND FLOORS AFFECTED BY MECHANICAL DEMOLITION WITH G.C.
D. ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED OF AS DIRECTED BY OWNER.
E. REMOVE ALL PLUMBING INSTALLATION FROM PROJECT AREA, UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C.
F. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO FULLY OPERATIONAL CONDITION.
G. NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED.
H. FIELD VERIFY EXACT LOCATION OF ALL EXISTING PLUMBING INSTALLATION INDICATED ON DRAWINGS.
I. ALL ITEMS TO BE RE-USED OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW CONDITION PRIOR TO RE-USE.

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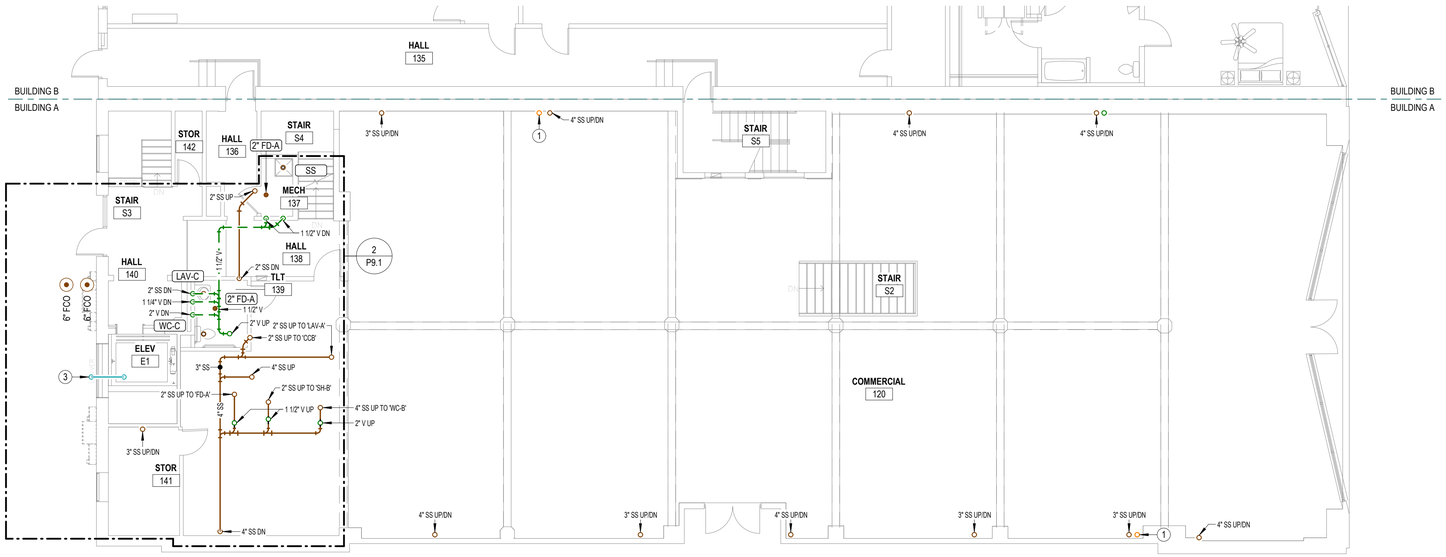
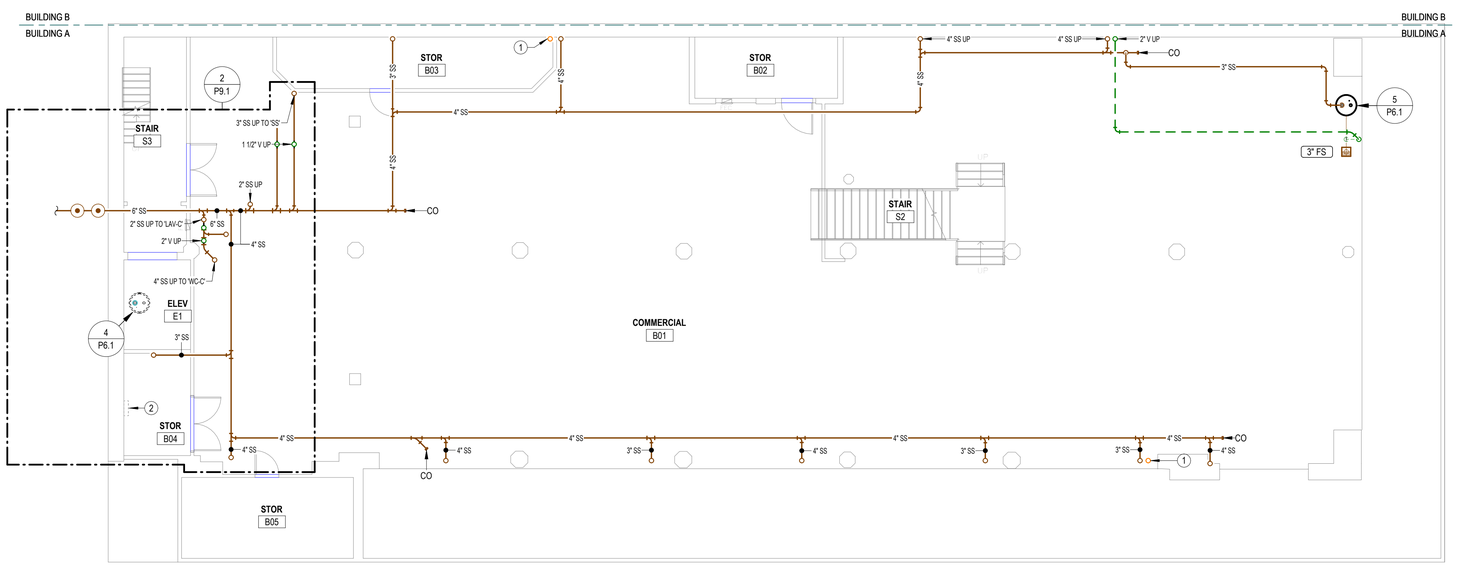
NOTES BY SYMBOL

1. 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
2. ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
3. ELEVATOR SUMP DISCHARGE, PENETRATE EXTERIOR WALL 18" AFG AND TERMINATE WITH ELBOW DOWN.



2 WASTE AND VENT PLAN-FIRST FLOOR-BUILDING A

1/8" = 1'-0"



1 WASTE AND VENT PLAN-BASEMENT-BUILDING A

1/8" = 1'-0"

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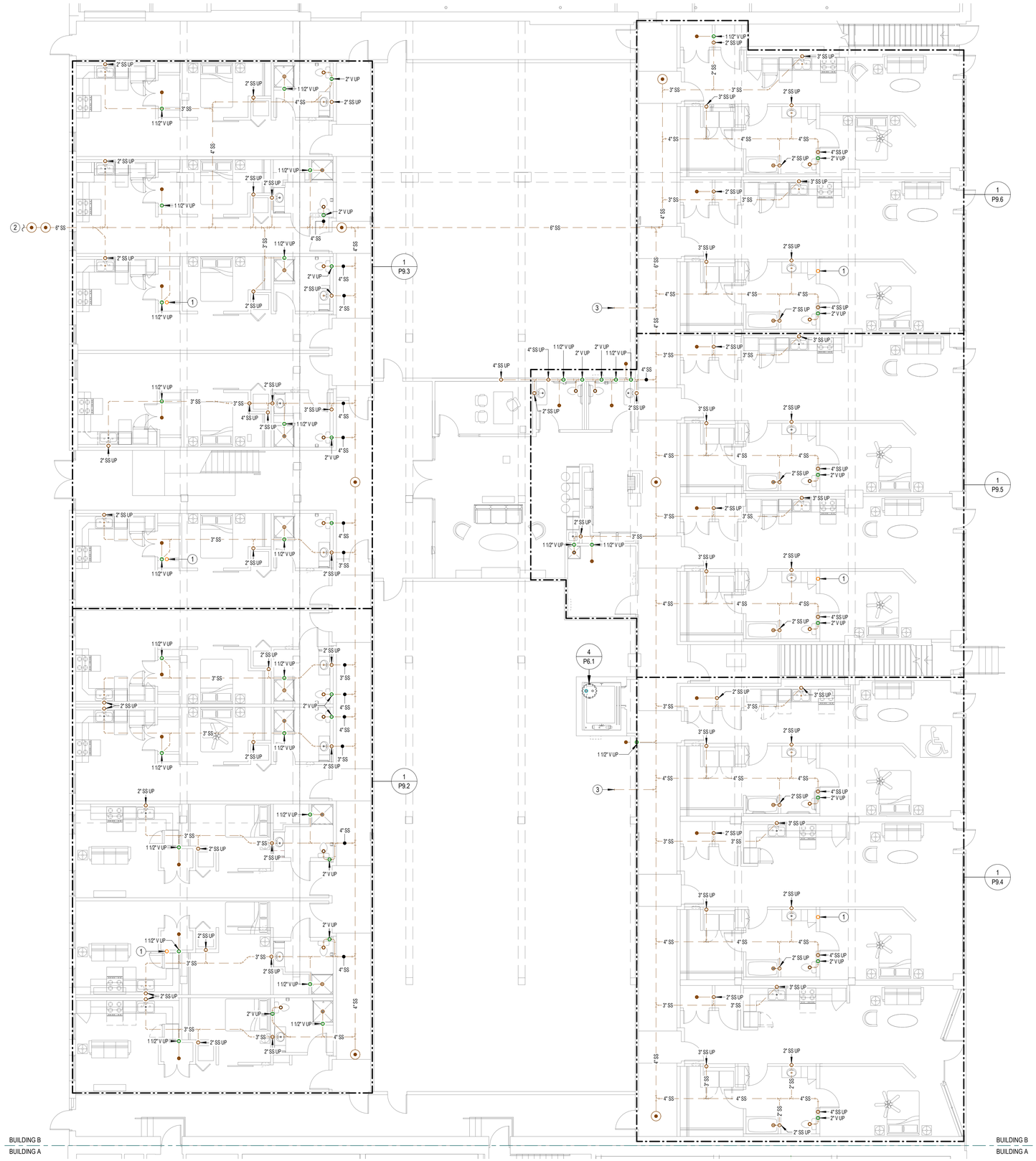

1 **WASTE AND VENT PLAN-UNDER FLOOR-BUILDING B**
1/8" = 1'-0"

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NOTES BY SYMBOL

1. 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
2. SEE SITE PLAN AND CIVIL DRAWINGS FOR CONTINUATION.
3. PROVIDE 4" CAPPED SANITARY SEWER BRANCH TO COMMERCIAL SPACE FOR FUTURE.

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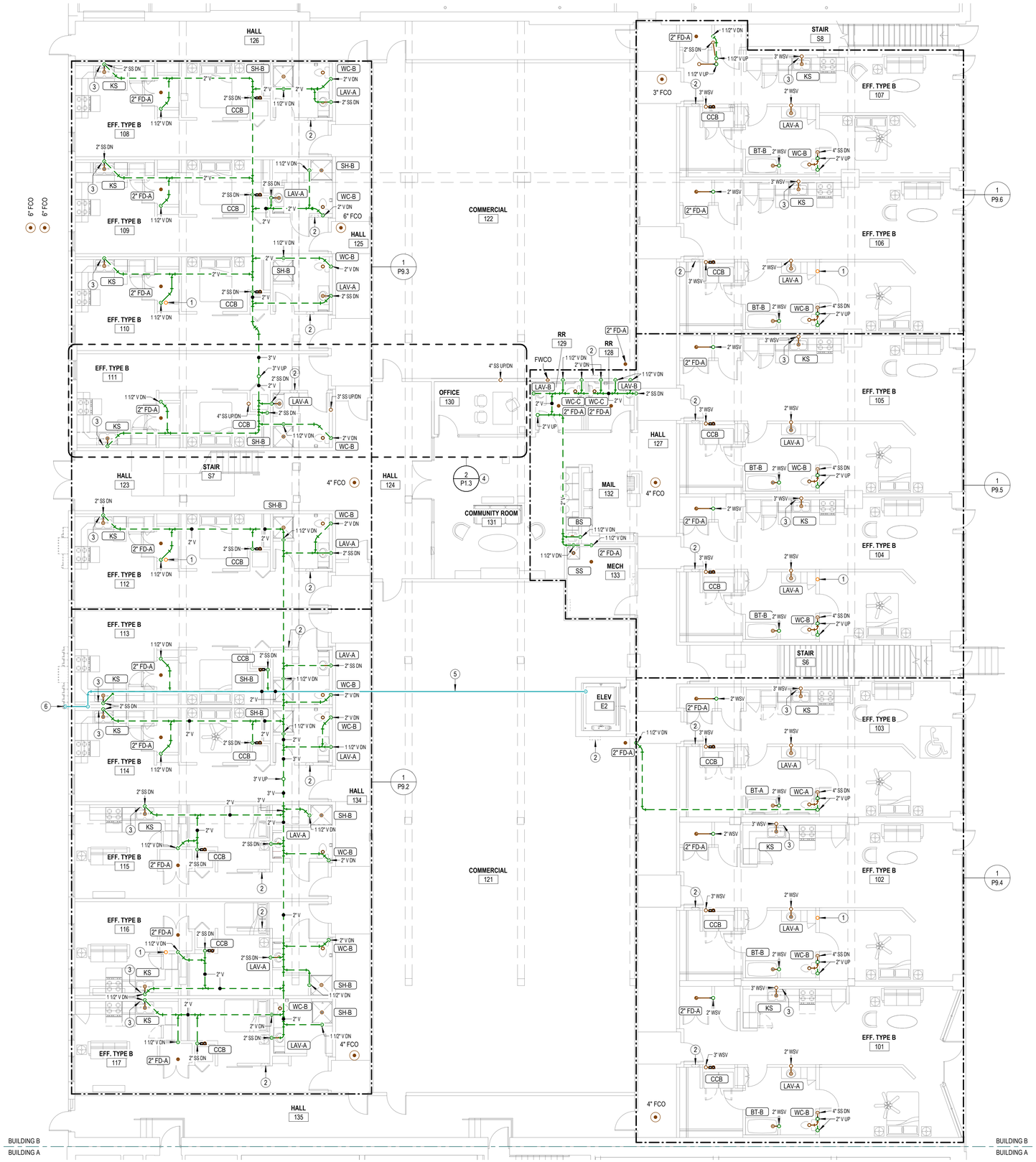

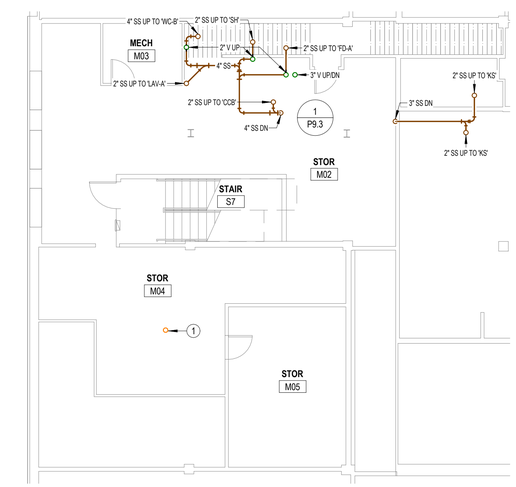

2 WASTE AND VENT PLAN-MEZZANINE-BUILDING B

1/8" = 1'-0"

1 WASTE AND VENT PLAN-FIRST FLOOR-BUILDING B

1/8" = 1'-0"

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4. CALLOUT REFRENCES DRAIN WASTE AND VENT PIPING ON MEZZANINE PLAN ABOVE.
5. ROUTE ELEBATOR SUMP DISCHARGE AS HIGH AS POSSIBLE. COORDINATE EXACT ROUTING WITH EXISTING STRUCTURE.
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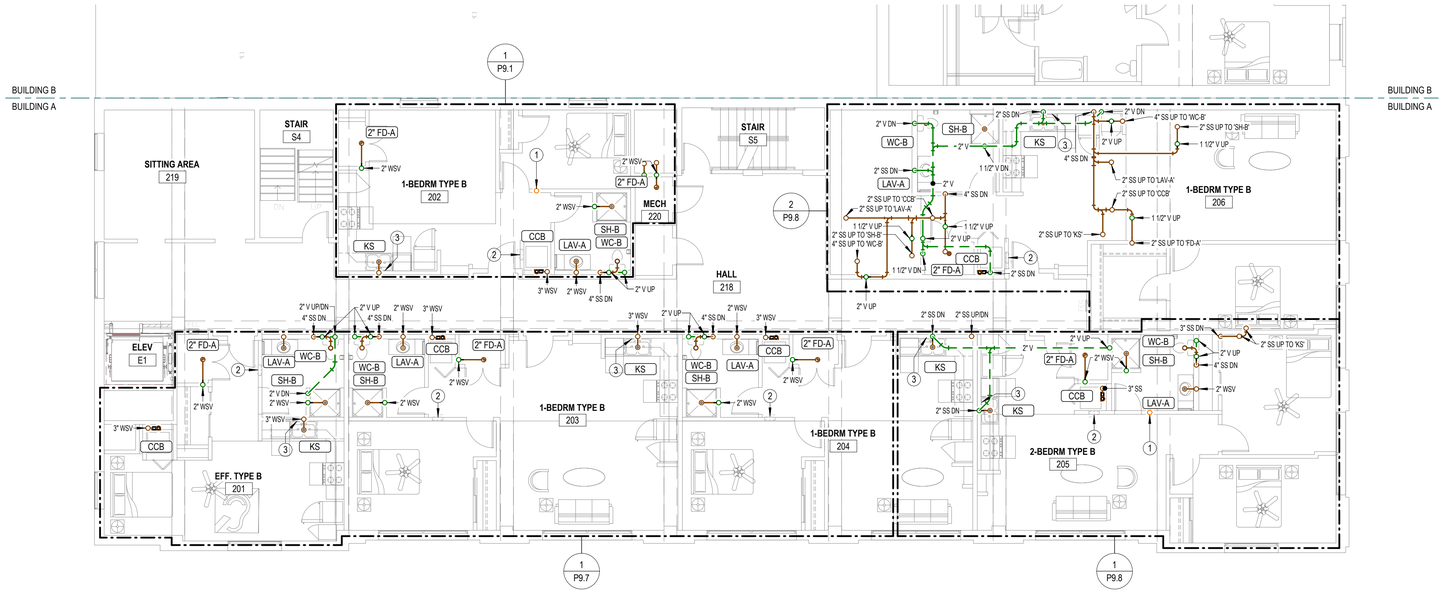
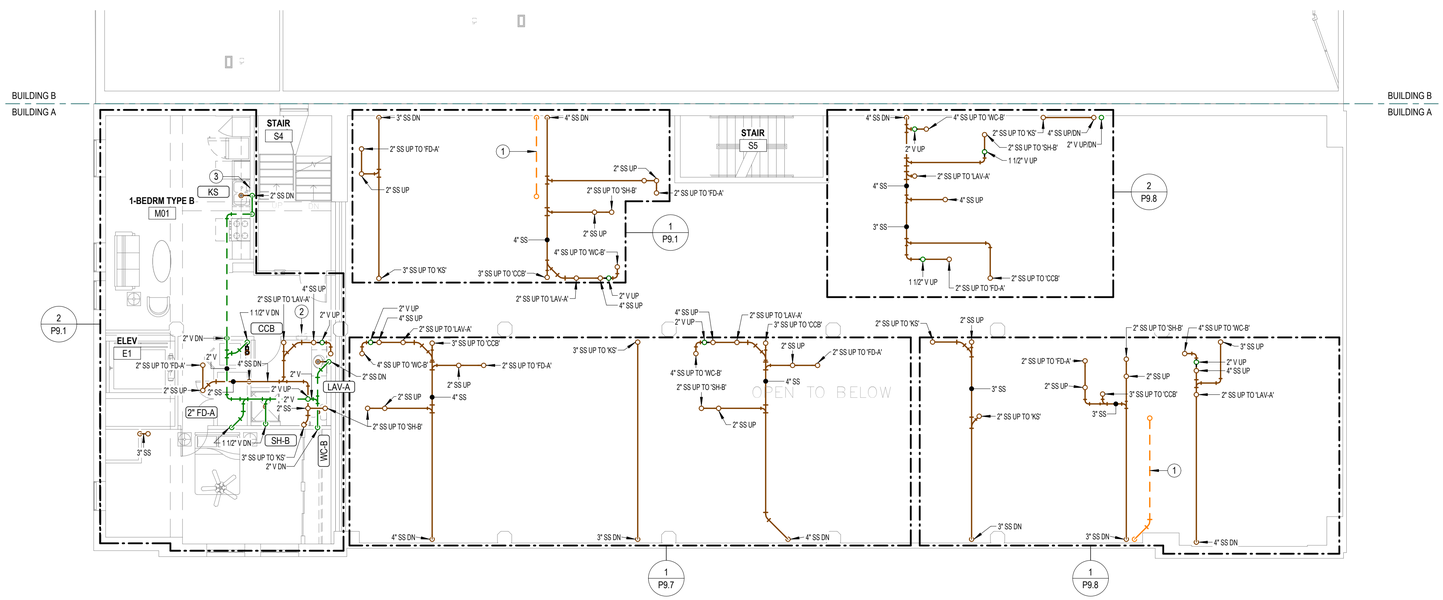


2 WASTE AND VENT PLAN-SECOND FLOOR-BUILDING A

1/8" = 1'-0"



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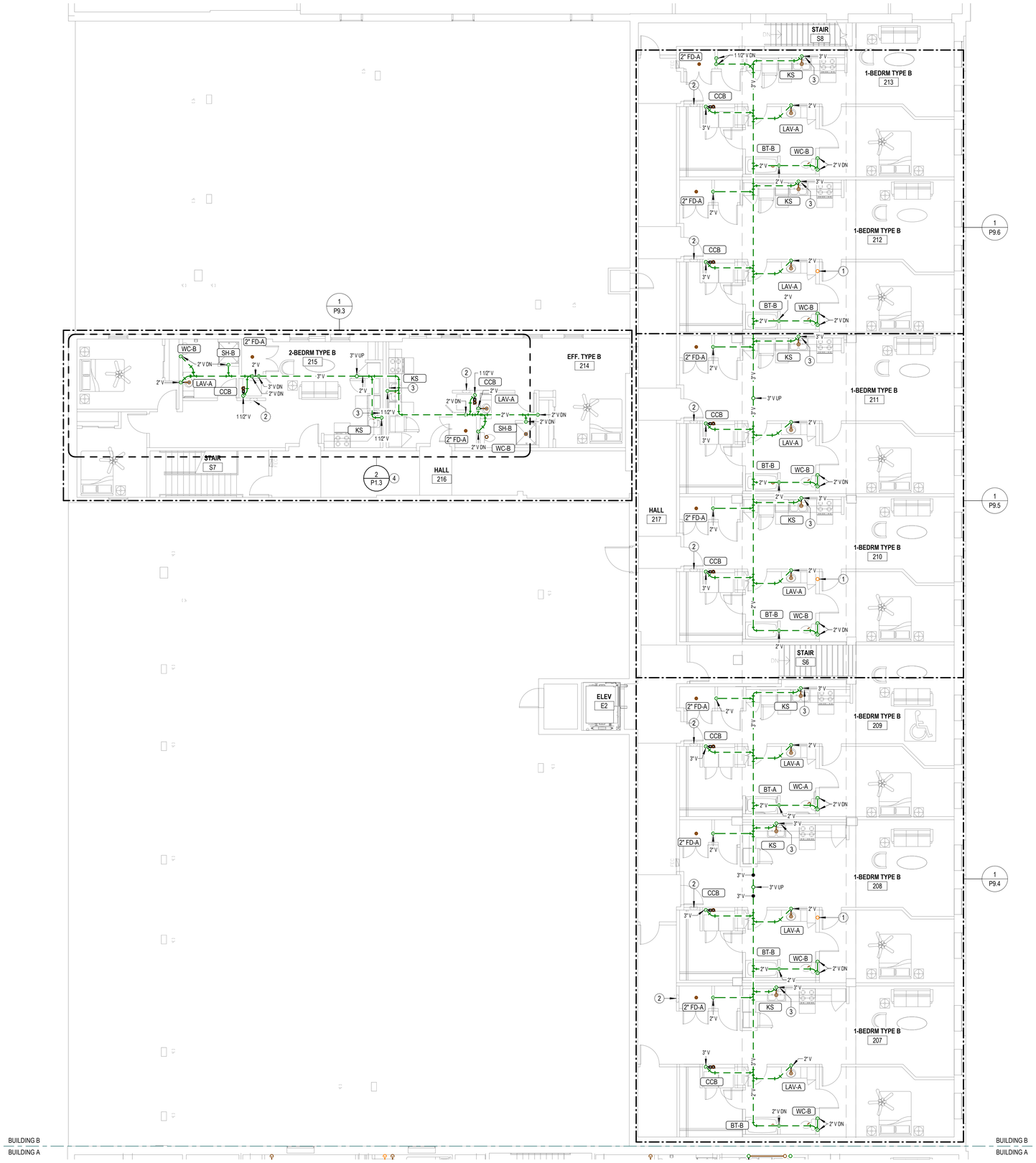

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STATE OF TEXAS
TIMOTHY C. TREDWAY
95252
LICENSED PROFESSIONAL ENGINEER
02/16/2026

REVISIONS:

DATE: 2/16/2026
JOB: 25-3484
SHEET NO.:

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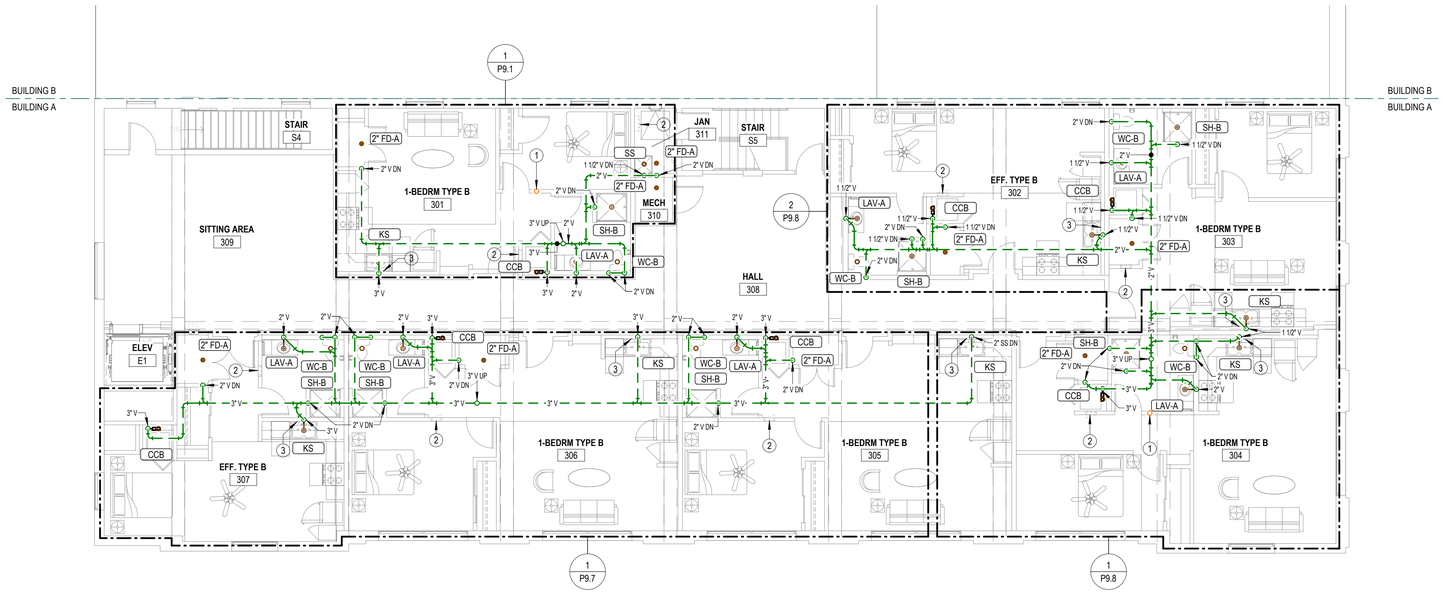
Project 25062 **2/16/2026**

WASTE AND VENT SHEET NOTES

1. EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT, ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.
2. SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
3. PIPING SHALL NOT BE ROUTED VERTICALLY IN FIREWALLS SEPARATING UNITS. ALL PIPING SHALL BE ROUTED VERTICALLY IN FURRED OUT WALLS AS INDICATED ON PLANS. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
4. FIELD VERIFY EXACT ROUTING OF PIPING WITH EXISTING STRUCTURAL CONDITIONS. PENETRATIONS OF STRUCTURAL MEMBERS SHALL BE APPROVED IN WRITING BY STRUCTURAL ENGINEER.
5. WHERE THE PLUMBING SYSTEM UTILIZES WATE STACK VENTING (WSV), THE STACK SHALL HAVE NO OFFSETS ABOVE THE LOWEST HORIZONTAL BRANCH CONNECTION SERVING THE STACK, IN ACCORDANCE WITH IPC SECTION 913.

NOTES BY SYMBOL

1. 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
2. ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
3. PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C.



1 WASTE AND VENT PLAN-THIRD FLOOR-BUILDING A

1/8" = 1'-0"

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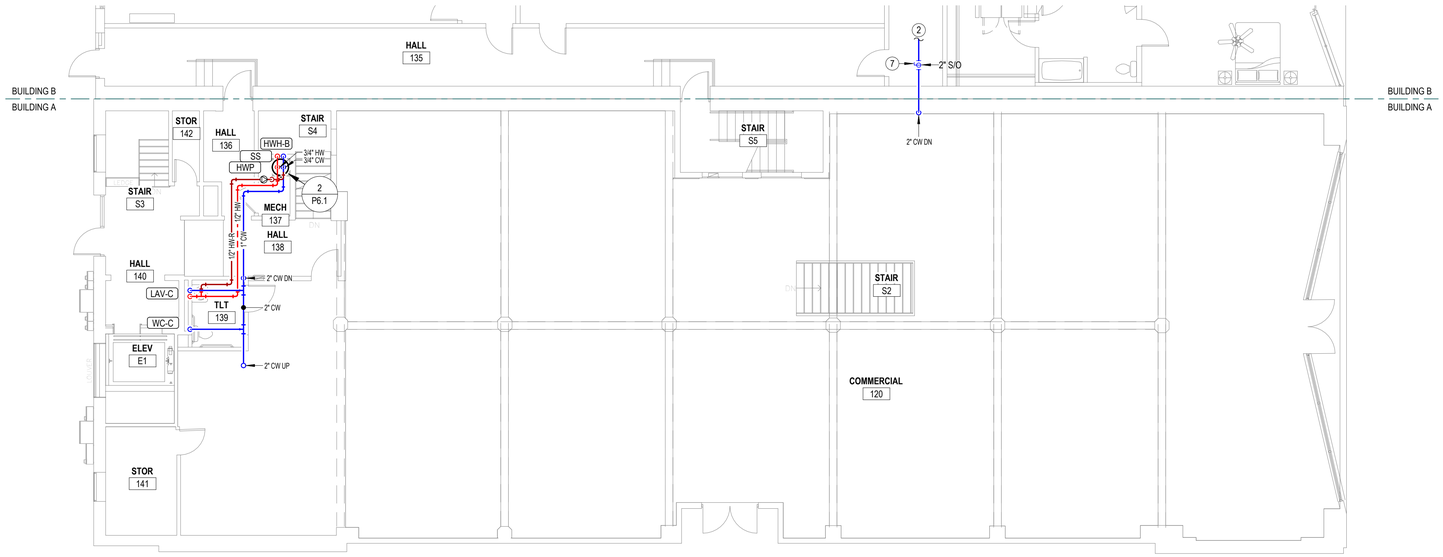
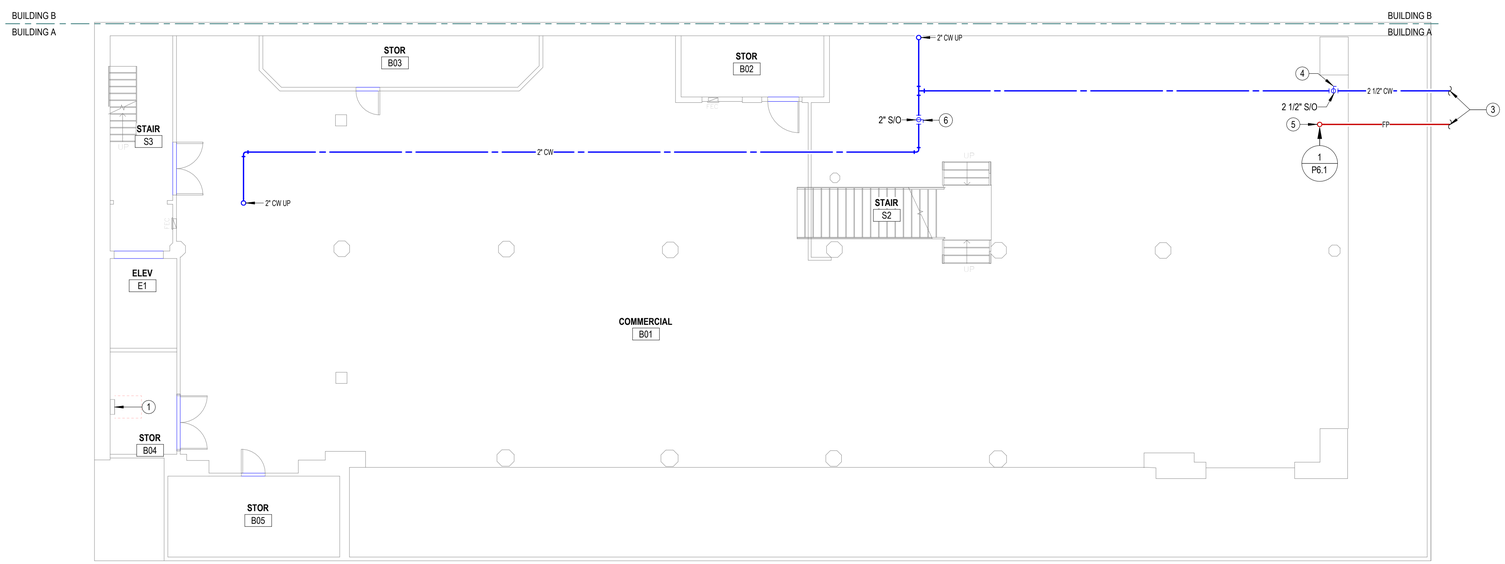


2 DOMESTIC WATER PLAN-FIRST FLOOR-BUILDING A

1/8" = 1'-0"



1 DOMESTIC WATER PLAN-BASEMENT-BUILDING A

1/8" = 1'-0"

ALTERNATE MATERIAL SIZE		
	Cross-linked polyethylene (PEX)	Polypropylene
COPPER PIPE SIZE INDICATED: 1/2"	3/4"	3/4"
3/4"	1"	1"
1"	1-1/4"	1-1/4"
1-1/4"	1-1/2"	1-1/2"
1-1/2"	2"	2"
2"	2-1/2"	2-1/2"
2-1/2"	3"	3"
3"	3-1/2"	3-1/2"

Notes:
1. Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.
2. Domestic water sizing chart applies to distribution piping only. Where piping serves indibidual fixture, maintain fixture connection size indicated on plumbing fixture schedule.

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DOMESTIC WATER SHEET NOTES

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2. SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
3. PIPING SHALL NOT BE ROUTED VERTICALLY IN FIREWALLS SEPARATING UNITS. ALL PIPIING SHALL BE ROUTED VERTICALLY IN FURRED OUT WALLS AS INDICATED ON PLANS. VERIFY DIMENSIONS WITH ARHITECTURAL DRAWINGS.
4. SEE OVERALL WASTE AND VENT PLANS FOR EXACT FIXTURE TYPES PER EACH DWELLING UNIT.
5. PIPING ROUTED THROUGH HALLWAYS AND COMMON AREAS SHALL BE CONCEALED IN SOFFITS, COORDINATE EXACT ROUTING AND LOCATIONS WITH ARCHITECT.

NOTES BY SYMBOL

1. ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
2. SEE 1:P2.2 FOR CONTINUATION.
3. SEE SITE PLAN AND CIVIL DRAWINGS FOR CONTINUATION.
4. PROVIDE 2-1/2" SHUT-OFF VALVE AT DOMESTIC WATER SERVICE ENTRANCE. PROVIDE PRESSURE REDUCING VALVE IF REQUIRED. COORDINATE EXQACT REQUIREMENTS WITH CITY AND PAY ALL FEES.
5. FIRE PROTECTION SERVICE ENTRANCE. INSTALL IN ACCORDANCE WITH NFPA 13 AND 14. COORDINATE LOCATION OF ALL VALVES AND APPURTENANCES WITH AHJ.
6. PROVIDE PERMANENT LABEL ON VALVE THAT READS, "BUILDING 'A' SHUT OFF VALVE"
7. PROVIDE PERMANENT LABEL ON VALVE THAT READS, "BUILDING 'B' SHUT OFF VALVE". INSTALL VALVE IN ACCESSIBLE LOCATION.

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1 **DOMESTIC WATER PLAN-FIRST FLOOR-BUILDING B**
1/8" = 1'-0"

ALTERNATE MATERIAL SIZE			
		Cross-linked polyethylene (PEX)	Polypropylene
COPPER PIPE SIZE INDICATED	1/2"	3/4"	3/4"
	3/4"	1"	1"
	1"	1-1/4"	1-1/4"
	1-1/4"	1-1/2"	1-1/2"
	1-1/2"	2"	2"
	2"	2-1/2"	2-1/2"
	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"

Notes:
1. Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.
2. Domestic water sizing chart applies to distribution piping only. Where piping serves indibidual fixture, maintain fixture connection size indicated on plumbing fixture schedule.

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2. SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
3. PIPING SHALL NOT BE ROUTED VERTICALLY IN FIREWALLS SEPARATING UNITS. ALL PIPIING SHALL BE ROUTED VERTICALLY IN FURRED OUT WALLS AS INDICATED ON PLANS. VERIFY DIMENSIONS WITH ARHITECTURAL DRAWINGS.
4. SEE OVERALL WASTE AND VENT PLANS FOR EXACT FIXTURE TYPES PER EACH DWELLING UNIT.
5. PIPING ROUTED THROUGH HALLWAYS AND COMMON AREAS SHALL BE CONCEALED IN SOFFITS, COORDINATE EXACT ROUTING AND LOCATIONS WITH ARCHITECT.

NOTES BY SYMBOL

1. ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
2. SEE ENLARGED DOMESTIC WATER PLANS FOR CONTINUATION.
3. 3/4" COLD WATER UP TO ROOF HYDRANT. PROVIDE DEDICATED 1/2" DRAIN LINE FROM HYDRANT TO NEAREST FLOOR DRAIN. COORDINATE ROUTING AND TERMINATION WITH G.C.
4. SEE 1:P2.1 FOR CONTINUATION.
5. PROVIDE PERMANENT LABEL ON VALVE THAT READS, "BUILDING 'B' SHUT OFF VALVE". INSTALL VALVE IN ACCESSIBLE LOCATION.
6. PROVIDE 1-1/2" VALVED AND CAPPED BRANCH FOR FUTURE.

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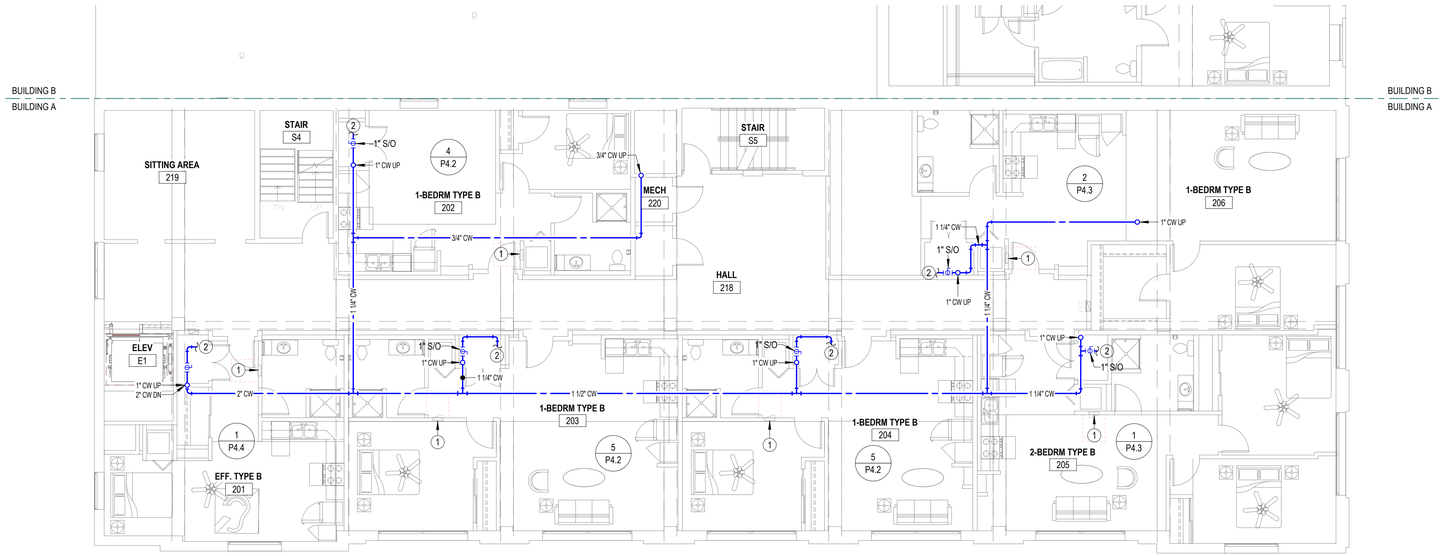
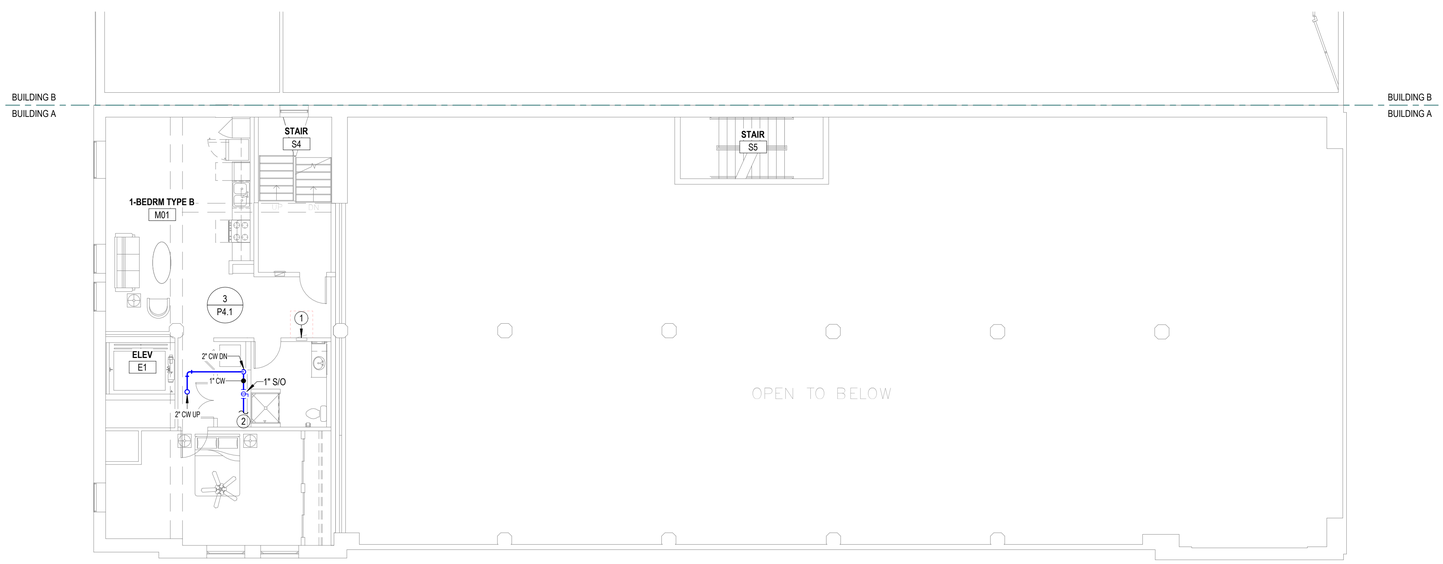


2 DOMESTIC WATER PLAN-SECOND FLOOR-BUILDING A

1/8" = 1'-0"



1 DOMESTIC WATER PLAN-MEZZANINE-BUILDING A

1/8" = 1'-0"

ALTERNATE MATERIAL SIZE		Cross-linked polyethylene (PEX)	Polypropylene
COPPER PIPE SIZE INDICATED	1/2"	3/4"	3/4"
	3/4"	1"	1"
	1"	1-1/4"	1-1/4"
	1-1/4"	1-1/2"	1-1/2"
	1-1/2"	2"	2"
	2"	2-1/2"	2-1/2"
	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"

Notes:
1. Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.
2. Domestic water sizing chart applies to distribution piping only. Where piping serves indibidual fixture, maintain fixture connection size indicated on plumbing fixture schedule.

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2. SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
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4. SEE OVERALL WASTE AND VENT PLANS FOR EXACT FIXTURE TYPES PER EACH DWELLING UNIT.
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NOTES BY SYMBOL

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ALTERNATE MATERIAL SIZE		Cross-linked polyethylene (PEX)	Polypropylene
COPPER PIPE SIZE INDICATED	1/2"	3/4"	3/4"
	3/4"	1"	1"
	1"	1-1/4"	1-1/4"
	1-1/4"	1-1/2"	1-1/2"
	1-1/2"	2"	2"
	2"	2-1/2"	2-1/2"
	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"

Notes:
1. Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.
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3. 3/4" COLD WATER UP TO ROOF HYDRANT. PROVIDE DEDICATED 1/2" DRAIN LINE FROM HYDRANT TO NEAREST FLOOR DRAIN. COORDINATE ROUTING AND TERMINATION WITH G.C.

1 **DOMESTIC WATER PLAN-SECOND FLOOR-BUILDING B**
1/8" = 1'-0"

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		ALTERNATE MATERIAL SIZE	
		Cross-linked polyethylene (PEX)	Polypropylene
COPPER PIPE SIZE INDICATED	1/2"	3/4"	3/4"
	3/4"	1"	1"
	1"	1-1/4"	1-1/4"
	1-1/4"	1-1/2"	1-1/2"
	1-1/2"	2"	2"
	2"	2-1/2"	2-1/2"
	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"

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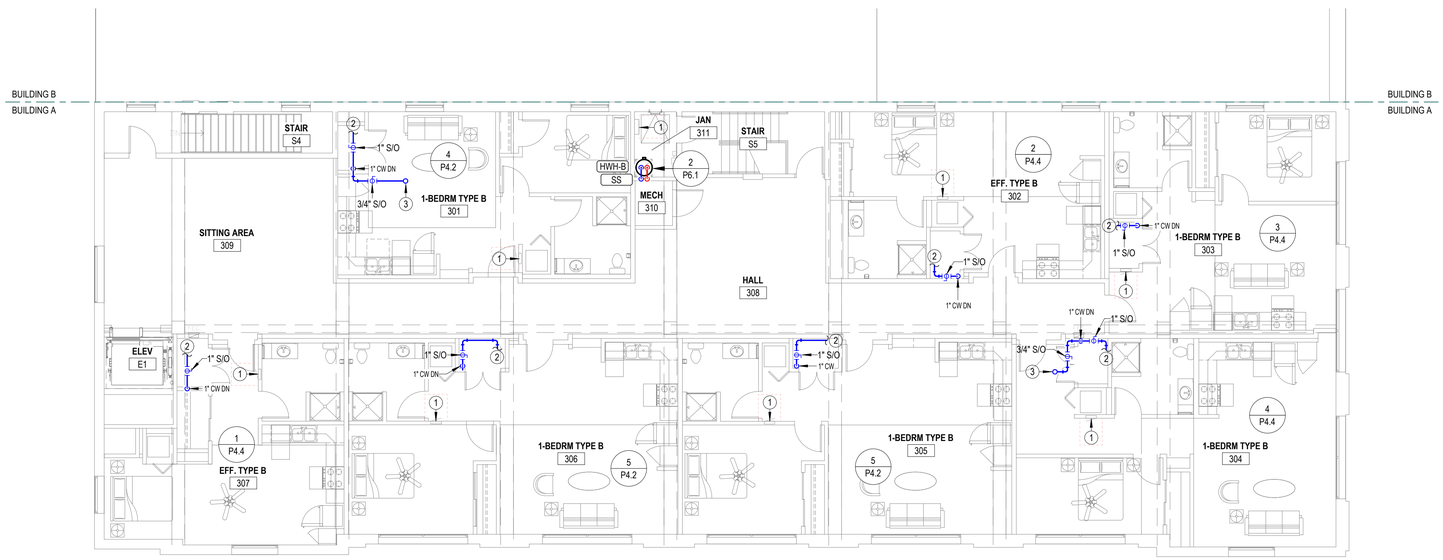

1 DOMESTIC WATER PLAN-THIRD FLOOR-BUILDING A

1/8" = 1'-0"

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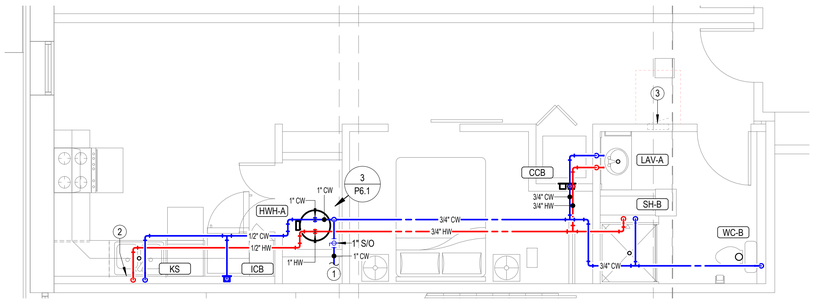
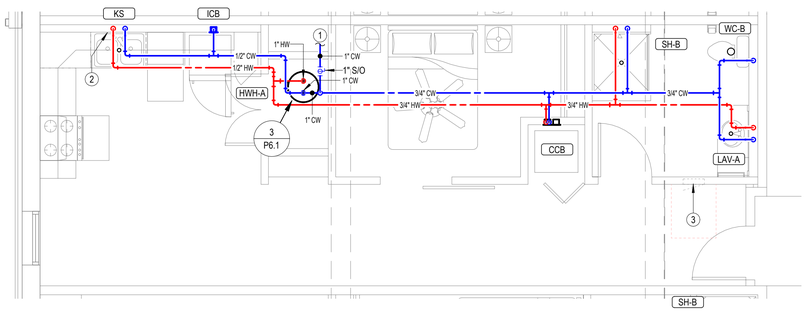


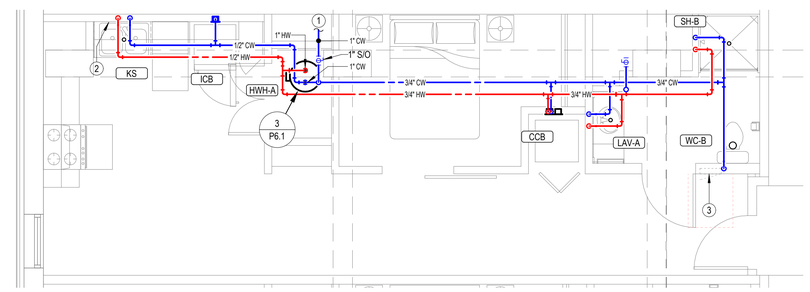
5 ENLARGED DOMESTIC WATER-UNIT PLAN

1/4" = 1'-0"



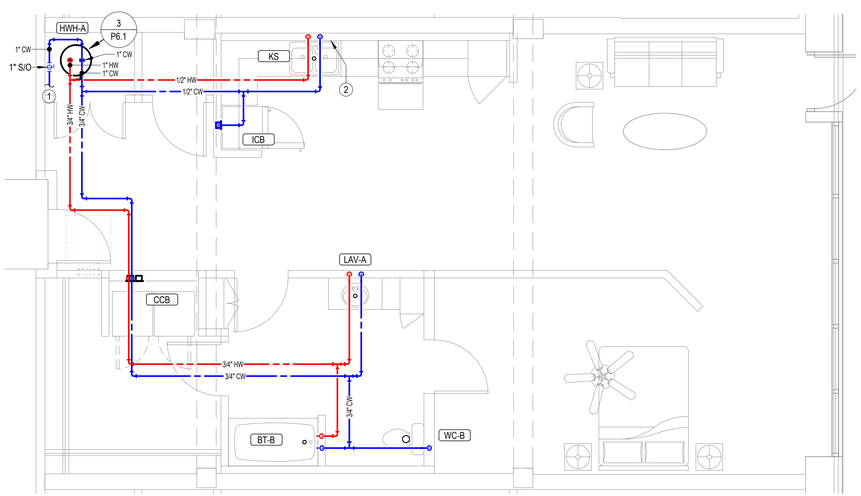
3 ENLARGED DOMESTIC WATER-UNIT PLAN

1/4" = 1'-0"



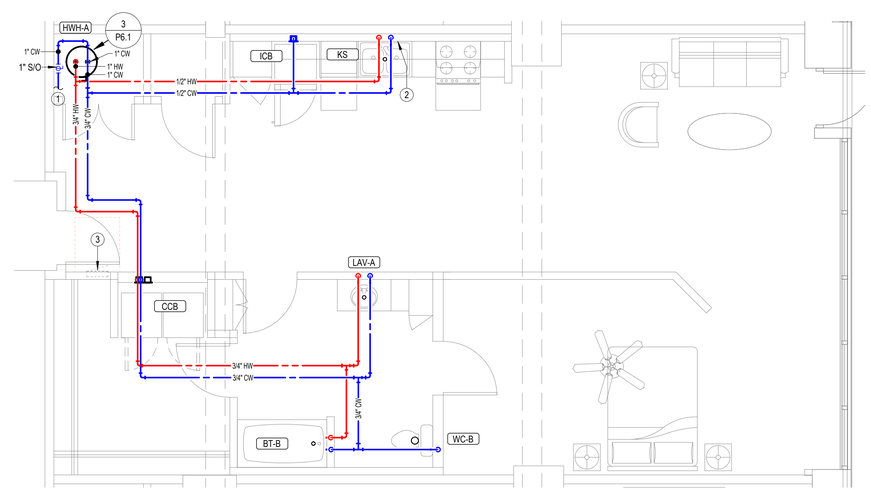
4 ENLARGED DOMESTIC WATER-UNIT PLAN

1/4" = 1'-0"



1 ENLARGED DOMESTIC WATER-UNIT PLAN

1/4" = 1'-0"



2 ENLARGED DOMESTIC WATER-UNIT PLAN

1/4" = 1'-0"

		ALTERNATE MATERIAL SIZE	
		Cross-linked polyethylene (PEX)	Polypropylene
COPPER PIPE SIZE INDICATED	1/2"	3/4"	3/4"
	3/4"	1"	1"
	1"	1-1/4"	1-1/4"
	1-1/4"	1-1/2"	1-1/2"
	1-1/2"	2"	2"
	2"	2-1/2"	2-1/2"
	2-1/2"	3"	3"
	3"	3-1/2"	3-1/2"

Notes:
1. Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.
2. Domestic water sizing chart applies to distribution piping only. Where piping serves indibidual fixture, maintain fixture connection size indicated on plumbing fixture schedule.

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ENLARGED DOMESTIC WATER SHEET NOTES

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2. SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
3. PIPING SHALL NOT BE ROUTED VERTICALLY IN FIREWALLS SEPARATING UNITS. ALL PIPIING SHALL BE ROUTED VERTICALLY IN FURRED OUT WALLS AS INDICATED ON PLANS. VERIFY DIMENSIONS WITH ARHITECTURAL DRAWINGS.
4. SEE OVERALL WASTE AND VENT PLANS FOR EXACT FIXTURE TYPES PER EACH DWELLING UNIT.

NOTES BY SYMBOL

1. SEE OVERALL DOMESTIC WATER PLAN FOR CONTINUATION.
2. PROVIDE 1/2" VALVED BRANCH BELOW SINK AND CONNECT DISHWASHER. ROUTE PIPING ALONG BACK OF CABINETRY, COORDINATE EXACT ROUTING WITH G.C. COORDINATE EXACT REQUIREMENTS WITH DISHWASHER PROVIDED.
3. ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.

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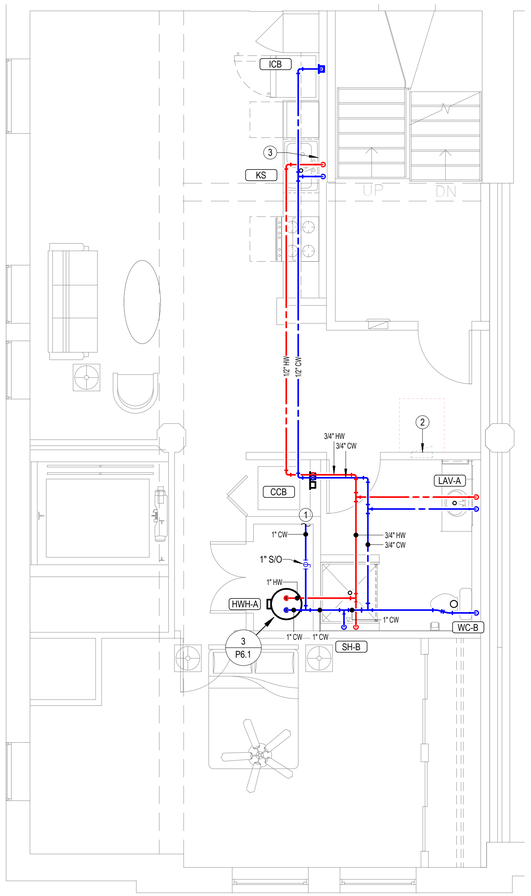
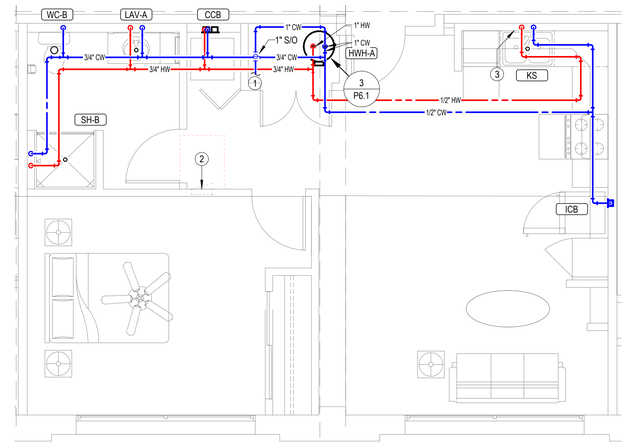
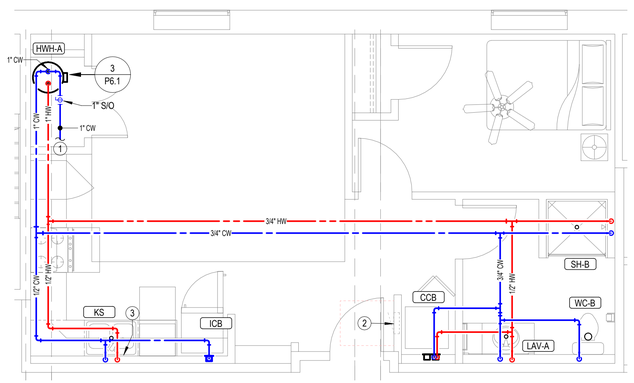


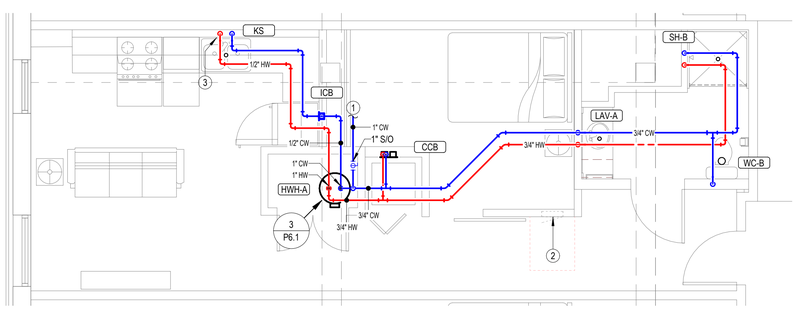
3 ENLARGED DOMESTIC WATER-UNIT PLAN
1/4" = 1'-0"



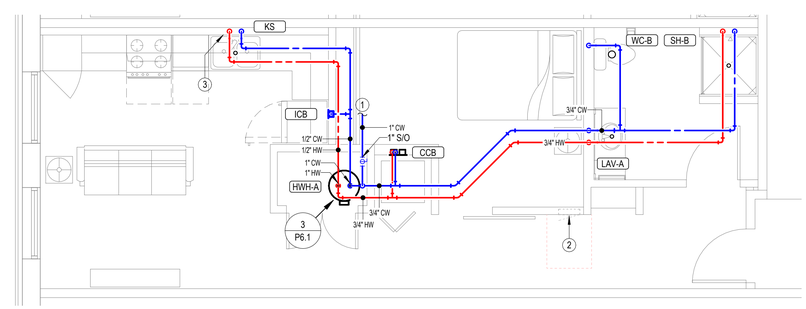
5 ENLARGED DOMESTIC WATER-UNIT PLAN
1/4" = 1'-0"



4 ENLARGED DOMESTIC WATER-UNIT PLAN
1/4" = 1'-0"



1 ENLARGED DOMESTIC WATER-UNIT PLAN
1/4" = 1'-0"



2 ENLARGED DOMESTIC WATER-UNIT PLAN
1/4" = 1'-0"

	ALTERNATE MATERIAL SIZE	
COPPER PIPE SIZE INDICATED	Cross-linked polyethylene (PEX)	Polypropylene
1/2"	3/4"	3/4"
3/4"	1"	1"
1"	1-1/4"	1-1/4"
1-1/4"	1-1/2"	1-1/2"
1-1/2"	2"	2"
2"	2-1/2"	2-1/2"
2-1/2"	3"	3"
3"	3-1/2"	3-1/2"

Notes:
1. Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.
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COPPER PIPE SIZE INDICATED	ALTERNATE MATERIAL SIZE: Cross-linked polyethylene (PEX)	ALTERNATE MATERIAL SIZE: Polypropylene
1/2"	3/4"	3/4"
3/4"	1"	1"
1"	1-1/4"	1-1/4"
1-1/4"	1-1/2"	1-1/2"
1-1/2"	2"	2"
2"	2-1/2"	2-1/2"
2-1/2"	3"	3"
3"	3-1/2"	3-1/2"

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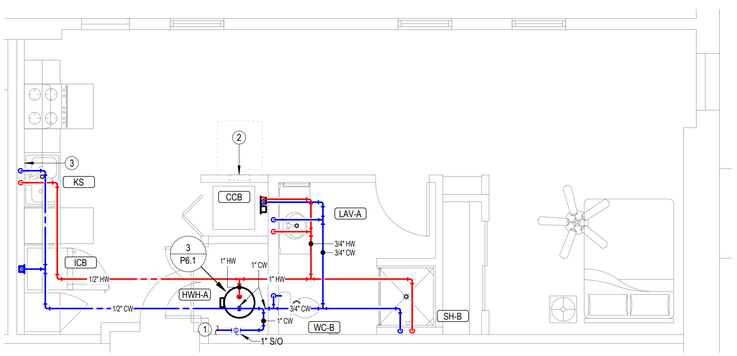
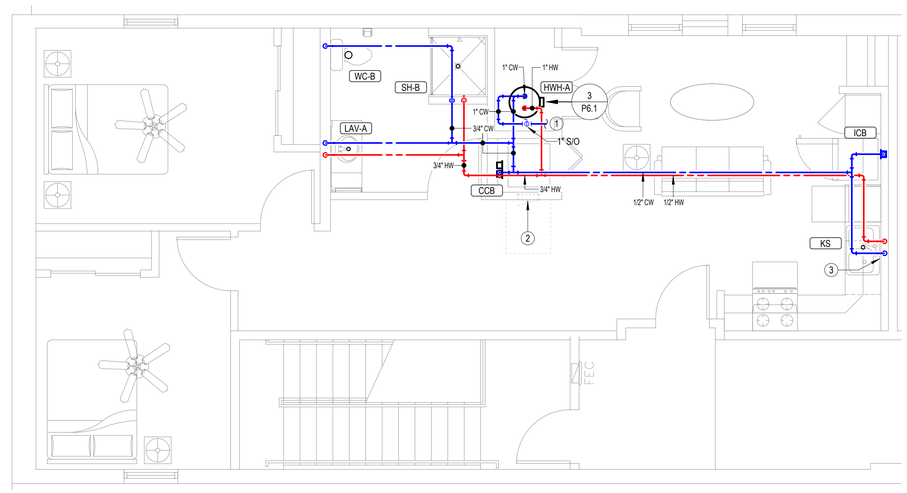


3 ENLARGED DOMESTIC WATER-UNIT PLAN
1/4" = 1'-0"



4 ENLARGED DOMESTIC WATER-UNIT PLAN
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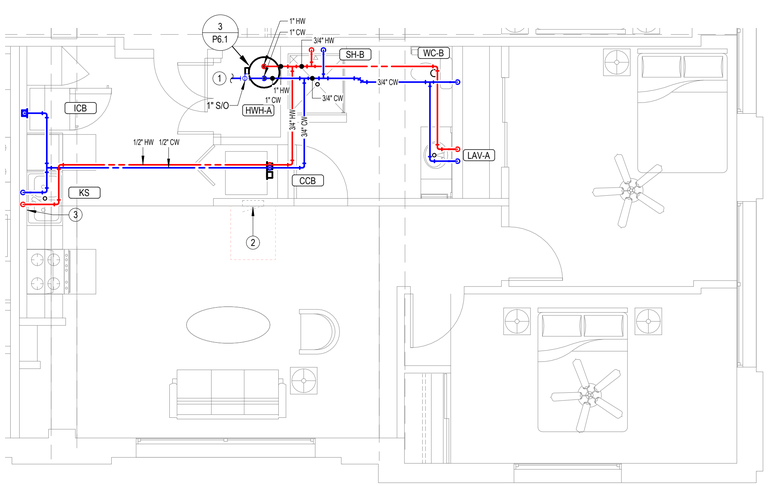

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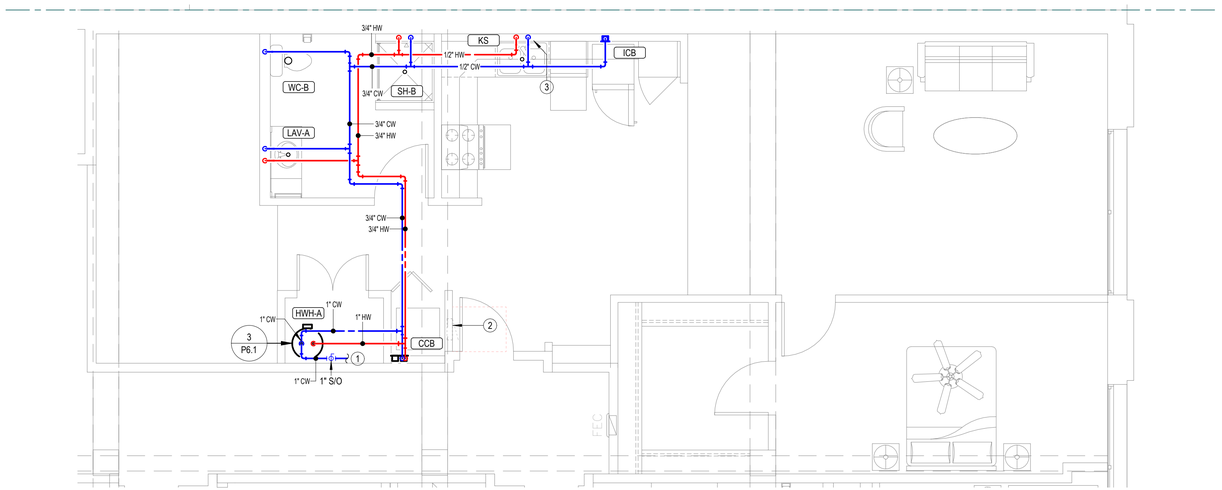

2 ENLARGED DOMESTIC WATER-UNIT PLAN
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1"	1-1/4"	1-1/4"
1-1/4"	1-1/2"	1-1/2"
1-1/2"	2"	2"
2"	2-1/2"	2-1/2"
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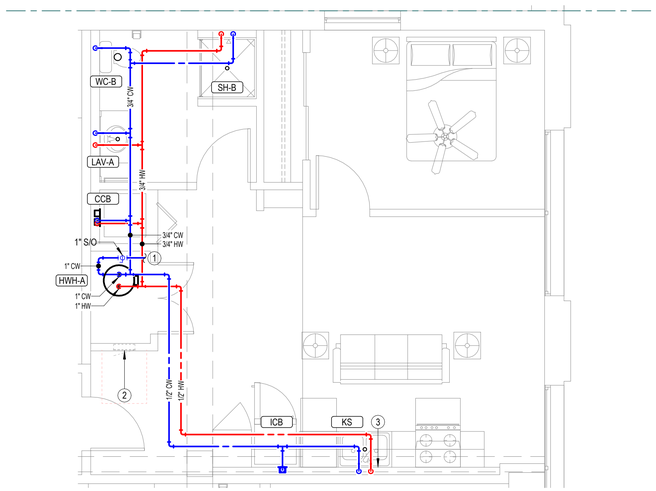
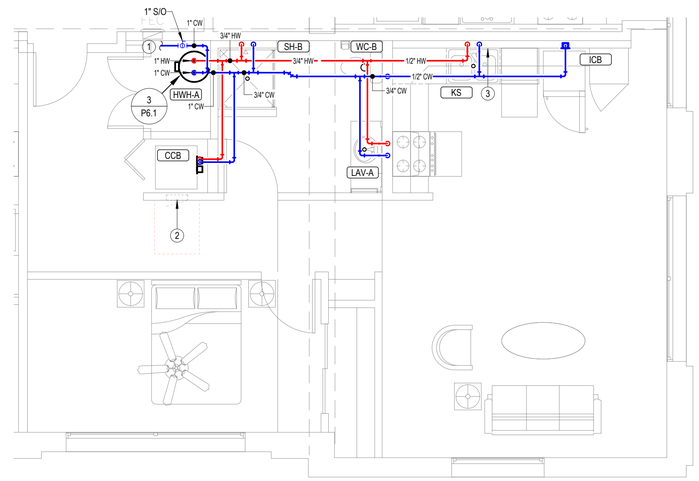
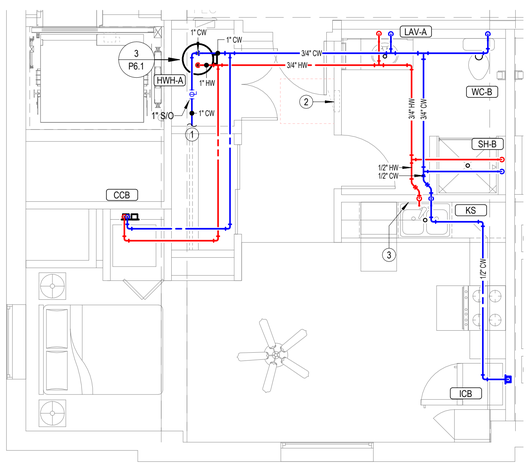


3 **ENLARGED DOMESTIC WATER-UNIT PLAN**
1/4" = 1'-0"



4 **ENLARGED DOMESTIC WATER-UNIT PLAN**
1/4" = 1'-0"



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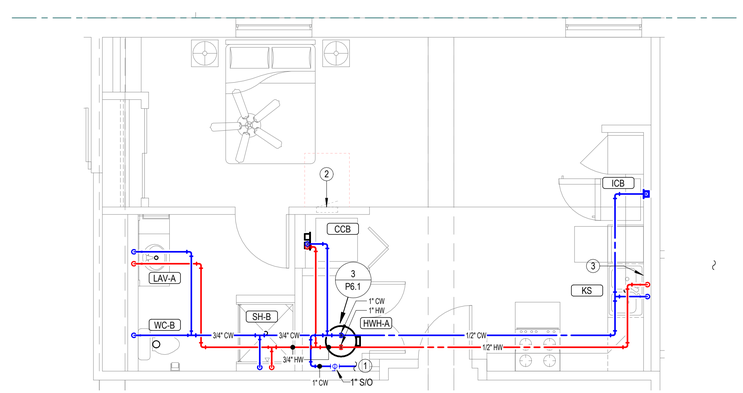

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Project 25062 **2/16/2026**

WATER HEATER SCHEDULE

GENERAL: • PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.

NOTES: 1. PROVIDE WALL HUNG PLATFORM FOR WATER HEATER EQUAL TO HOLDRITE #60SQHP-W. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT.

MARK	MANUFACTURER	MODEL	STORAGE	RECOVERY		EFFICIENCY	ELECTRIC HEAT	VOLTAGE/PHASE	DESCRIPTION	NOTES
				CAPACITY	TEMP. RISE					
HWH-A	AO SMITH	EETU-40	40 gal	0.3 GPM	90 °F	UEF: 0.93	4500 W	208 V/1	ELECTRIC WATER HEATER, SUPPLIED WITH TEMPERATURE AND PRESSURE RELIEF VALVE AND BRASS DRAIN VALVE. WATER HEATER SHALL HAVE TEMPERATURE CONTROLS SET TO LIMIT SUPPLY TEMPERATURE TO 120°F OR LESS.	
HWH-B	AO SMITH	EJCS-20	20 gal	0.2 GPM	90 °F		2500 W	120 V/1	ELECTRIC WATER HEATER, SUPPLIED WITH TEMPERATURE AND PRESSURE RELIEF VALVE AND BRASS DRAIN VALVE. WATER HEATER SHALL HAVE TEMPERATURE CONTROLS SET TO LIMIT SUPPLY TEMPERATURE TO 120°F OR LESS.	1

PUMP SCHEDULE

GENERAL: • PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.

NOTES: 1. PUMP SHALL HAVE CONTROLS TO PREVENT STARTUP WITHIN 5 MINUTES FROM THE END OR PREVIOUS HEATING CYCLE. HOT WATER RECRICULATION SYSTEM SHALL MEET ALL REQUIREMENTS OF 2021 IECC.

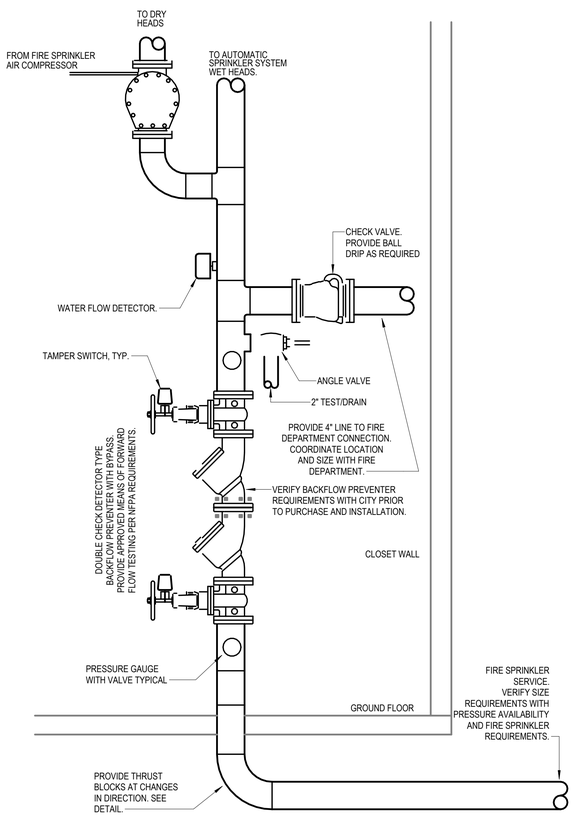
MARK	MANUFACTURER	MODEL	FLOW	HEAD	VOLTAGE/PHASE	DESCRIPTION	NOTES
HWP	BELL & GOSSETT	NBF-33	10.0 GPM	10.0 FT	120 V/1	CIRCULATION PUMP, BRONZE BODY. PROVIDE CLAMP-ON AQUASTAT FOR PUMP CONTROL.	1

PLUMBING FIXTURE SCHEDULE

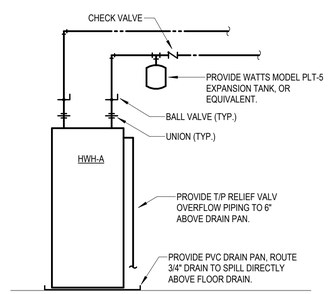
GENERAL:
- PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.
- VENT SIZES ARE APPLICABLE ONLY FOR INDIVIDUAL FIXTURE VENTS WHERE ALTERNATE VENTING METHOD HAS NOT BEEN INDICATED ON PLANS.
- PROVIDE 1/4 TURN STOP VALVES ON ALL HOT AND COLD WATER SUPPLY LINE CONNECTIONS FOR FIXTURES. SHOWER VALVES SHALL HAVE INTEGRAL STOP VALVES.
- PROVIDE FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMER OR TRAP PRIMER ALTERNATIVE EQUIVALENT TO PROVENT TRAP GUARD. PROVIDE AUTOMATIC TRAP PRIMER DEVICE WITH SINGLE OR MULTIPLE OUTLET PIPES AND ROUTE DRAINS TO PRIMER PORTS.

NOTES:
1. IN AREAS OPEN TO THE PUBLIC, FIXTURE AND INSTALLATION TO MEET REQUREMENTS OF AMERICANS WITH DISABILLITIES ACT. IN APARTMENTS, FIXTURE AND INSTALLATION TO MEET REQUIREMENTS OF THE FAIR HOUSING ACT.
2. PROVIDE DEARBORN SUPPLIES WITH STOPS AND EXCUTCHEON PLATE, 1-1/4" CAST BRASS P-TRAP.
3. INSULATE WATER AND WASTE PIPING BELOW SINK. UTILIZE INSULATION KIT EQUIVALENT TO LAVGUARD BY TRUEBRO. PROVIDE PLUMBEREX MODEL #3071WD-N WASTE DISPOSAL COVER.
4. TRIM SHALL BE PROVIDED WITH POLISHED CHROME FINISH.
5. TRANSITION FROM 1/8" DRAIN TUBING TO 1/2" PVC DRAIN AND TERMINATE WITH AIR GAP AT NEAREST TENANT FLOOR DRAIN.
6. PLUMBING FIXTURE SELECTED BY INTERIOR DESIGNER, ALL SUBSTITUTIONS SHALL BE APPROVED BY INTERIOR DESIGNER.

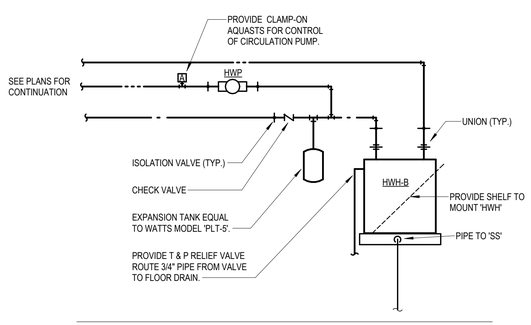
VERIFIED	MARK	MANUFACTURER	MODEL	PRODUCT DESCRIPTION	TRIM	ROUGH-IN SIZES			COLD	HOT	ADA COMPLIANT	NOTES
						DRAIN	VENT	WATER				
Yes	BS	JUST	SLADA1617A65-J	SINGLE COMPARTMENT 18 GA. STAINLESS STEEL SINK, SELF RIMMING, 14"X10"X6-3/8"D BOWL, FAUCET HOLES AS REQUIRED.	MOEN MODEL 87627 SINGLE HANDLE FAUCET, 8" GOOSENECK PULLDOWN SPRAY SPOUT, 1.5 GPM AERATOR, LEVER HANDLE, BLACK FINISH. PROVIDE BASKET STRAINER.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,6
Yes	BT-A	AQUARIUS	S 6000 TS OT	REINFORCED FIBERGLASS TUB/SHOWER, 60"W X 33"D X 82"H, WITH INTEGRAL SOAP/TOILETRY SHELVES, AND GRAB BARS, FOLD UP SEAT AT END OF TUB, AND RIGHT OR LEFT HAND ROUGH-IN AS REQUIRED, WHITE FINISH.	MOEN PRESSURE-BALANCING VLAVE WITH INTEGRAL TEMPERATURE LIMITS AND STOPS. MATTE BLACK MOEN MODEL T8343EP15CBN SINGLE HANDLE VALVE TRIM, METAL TUB FILLER WITH PULL DIVERTER, 1.5 GPM HAND SHOWER WITH DOUBLE CHECK VALVES, FLEXIBLE HOSE, 28-1/2" STAINLESS STEEL SLIDE BAR AND POP-UP DRAIN WITH OVERFLOW.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1
Yes	BT-B	AQUARIUS	G 6063 TS	REINFORCED FIBERGLASS TUB/SHOWER, 60"W X 35-3/4"D X 76-1/2"H , WITH INTEGRAL SOAP/TOILETRY SHELVES, RIGHT OR LEFT HAND ROUGH-IN AS REQUIRED, WHITE FINISH.	MOEN MODEL 62300 PRESSURE-BALANCING VLAVE WITH INTEGRAL TEMPERATURE LIMITS AND STOPS. MATTE BLACK MOEN MODEL 24273EP SINGLE HANDLE VALVE TRIM, METAL TUB FILLER WITH PULL DIVERTER, 1.75 GPM SHOWERHEAD, AND PUP-UP DRAIN WITH OVERFLOW.	2"	1 1/2"	1/2"	Yes	Yes	No	
Yes	CCB	SIOUX CHIEF	696-2313	RECESSED WASHING MACHINE BOX WIH 2" PVC/ABS DRAIN COUPLING AND KNOCKOUT TEST CAP. TWO 1/4 TURN BALL BALBES WITH HAMMER ARRESTORS.		2"	2"	1/2"	Yes	Yes		
Yes	2" FD-A	SIOUX CHIEF	833	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAPGUARD	2"	2"					
Yes	3" FS	SIOUX CHIEF	861	12" SQUARE, 8" DEEP FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAP GUARD	3"	2"					
Yes	ICB	SIOUX CHIEF	696-G1010	ICE MAKER CONNECTION BOX WITH 1/4 TURN BALL VALVE, AND 1/2" SWEAT COPPER CONNECTION.				1/2"	Yes	No		
Yes	KS	JUST	DLADA2233A-J	TWO COMPARTMENT 20 GA STAINLESS STEEL SINK, SELF RIMMING, (2) 12"X12"X6-3/8"D INSIDE, FULLY UNDERCOATED, FAUCET HOLES AS REQUIRED. IN-SINKERATOR: "BADGER 5" GARBAGE DISPOSAL, 1/2 HP 120V CORD AND PLUG CONNECTED.	MOEN MODEL 87627 SINGLE HANDLE FAUCET, 8" GOOSENECK PULLDOWN SPRAY SPOUT, 1.5 GPM AERATOR, LEVER HANDLE, BLACK FINISH. PROVIDE BASKET STRAINER.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2
Yes	LAV-A	AMERICAN STANDARD	0610000.020	UNDERMOUNT LAVATORY, WHITE VITROUSE CHINA, 17" X 13" X 6"D	MOEN MODEL 84348 DUAL HANDLE FAUCET. MATTE BLACK FINISH. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,6
Yes	LAV-B	AMERICAN STANDARD	0610000.020	UNDERMOUNT LAVATORY, WHITE VITROUSE CHINA, 17" X 13" X 6"D	MOEN MODEL 84348 DUAL HANDLE FAUCET. MATTE BLACK FINISH. TM-1 POINT OF USE MIXING VLAVE, PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,6
Yes	LAV-C	AMERICAN STANDARD	0355.012	WALL HUNG LAVATORY, WHITE VITROUS CHINA, 21-1/4"W X 18-1/4", FRONT OVERFLOW, FAUCET HOLES ON 4" CENTERS.	MOEN MODEL 84348 DUAL HANDLE FAUCET. MATTE BLACK FINISH. TM-1 POINT OF USE MIXING VLAVE, PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,6
Yes	RH	WOODFORD	RHY2-MS	FROST PROOF ROOF HYDRANT WITH ASSE 1052 DOUBLE CHECK BACKFLOW PREVENTER THAT IS FIELD TESTABLE, INTEGRAL VENT THAT ALLOWS DRAINAGE WITH 1/8" DRAIN HOLE DRILLED AND TAPPED IN BODY OF HYDRANT. PROVIDE WITH MANUFACTURER'S ROOF MOUNTING SYSTEM CONSISTING OF CAST IRON HYDRANT SUPPORT, UNDER DECK FLANGE, WELL SEAL, EPDM BOOT, AND SHIMS AS REQUIRED. COORDINATE INSTALLATION WITH G.C.				3/4"	Yes	No	No	5
Yes	SH-B	AQUATIC	13636FHARRF	CAST ACRYLIC SHOWER, 36" SQUARE INSIDE, REAR MOLDED SOAP SHELF, PROVIDE WITH FHA BACKING.	MOEN MODEL 62300 PRESSURE-BALANCING VALVE WITH INTEGRAL TEMPERATURE LIMITS AND STOPS. MATTE BLACK MOEN MODEL 2472EP SINGLE HANDLE VALVE TRIM AND SHOWER HEAD.	2"	1 1/2"	1/2"	Yes	Yes	No	
Yes	SS	FIAT	MSB-2424	ONE PIECE MOLDED STONE MOP BASIN, 24" SQUARE, STAINLESS STEEL INTEGRAL DRAIN BODY WITH CAULK CONNECTION, STAINLESS STEEL WALL GUARDS.	CHICAGO FAUCET MODEL 897-CPP FAUCET WITH HOSE THREAD OUTLET, VACUUM BREAKER SPOUT, PAIL HOOK, WALL BRACE, INTEGRAL CHECK VALVES, METAL LEVER HANDLES.	3"	1 1/2"	3/4"	Yes	Yes	No	4
Yes	WC-A	AMERICAN STANDARD	215AA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	WHITE CLOSED FRONT SOFT CLOSE PLASTIC SEAT WITH COVER.	4"	2"	1/2"	Yes	No	Yes	1
Yes	WC-B	AMERICAN STANDARD	215CA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 15" HIGH BOWL.	WHITE CLOSED FRONT SOFT CLOSE PLASTIC SEAT WITH COVER.	4"	2"	1/2"	Yes	No	No	
Yes	WC-C	AMERICAN STANDARD	215AA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	SEE PLUMBING PLAN FOR CONTINUATION	Yes	No	Yes	1



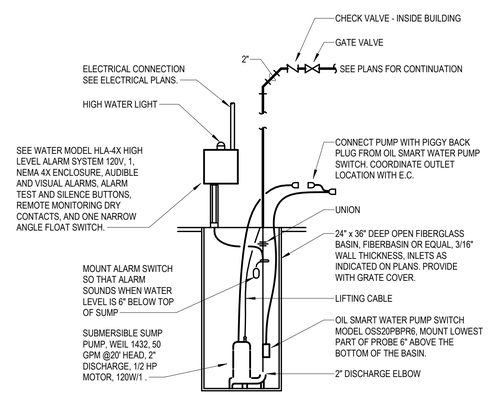
1 FIRE PROTECTION RISER DIAGRAM
NO SCALE



3 APARTMENT WATER HEATER DIAGRAM
NO SCALE

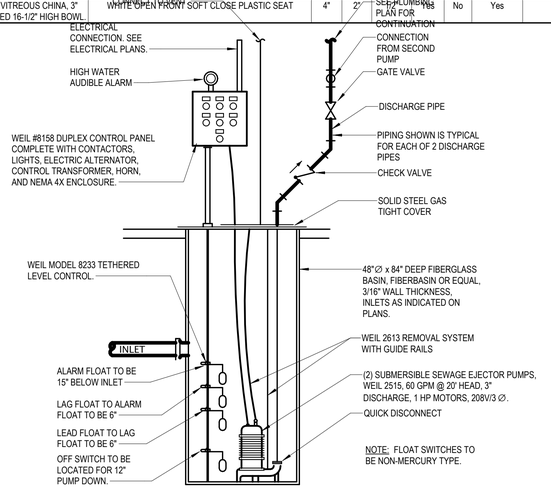


2 WATER HEATER ON SHELF PIPING DIAGRAM
NO SCALE



SUMP PUMP WITH OIL SMART SWITCH AND SEE WATER ALARM SYSTEM

4 ELEVATOR SUMP PUMP DIAGRAM
NO SCALE



5 SEWAGE EJECTOR DETAIL
NO SCALE

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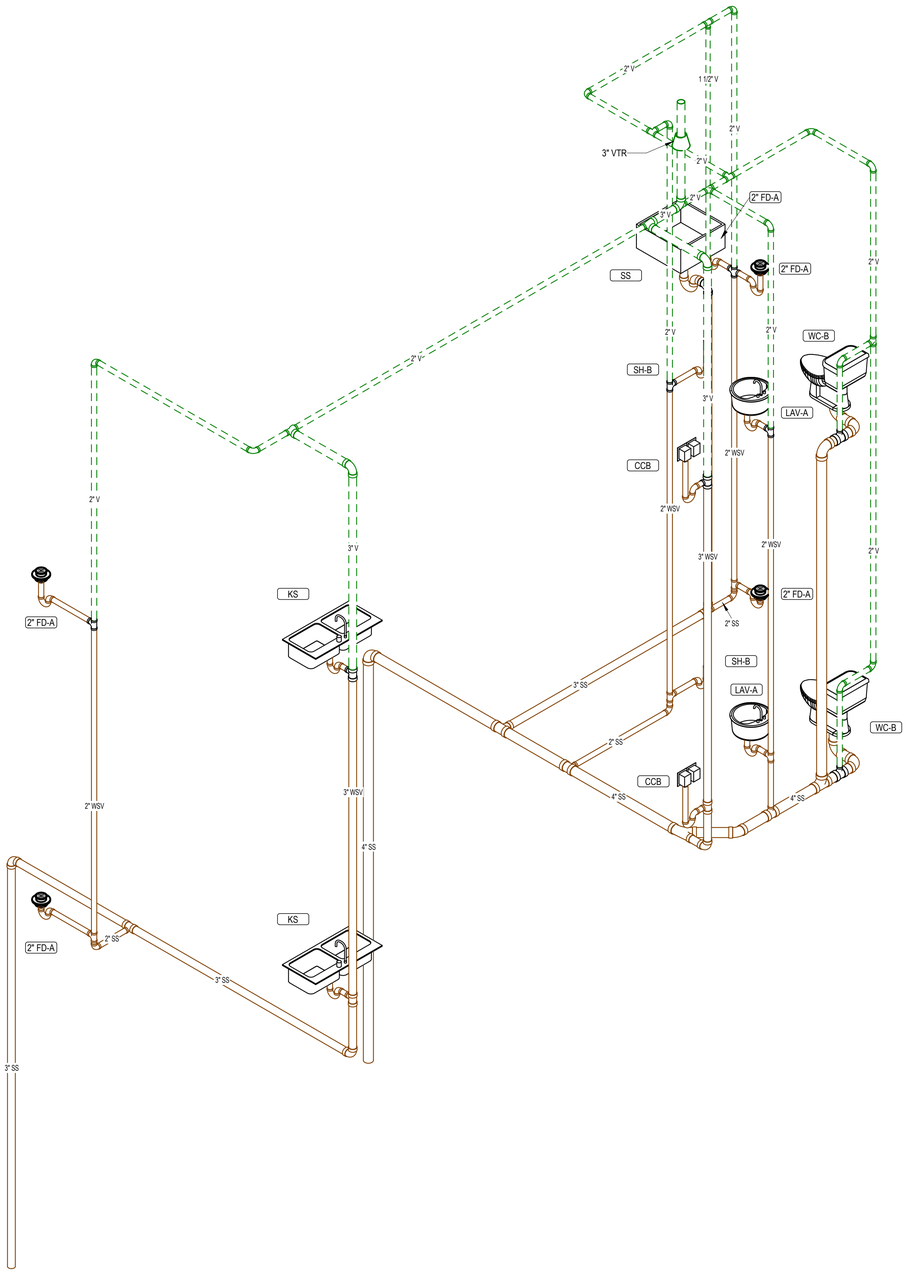

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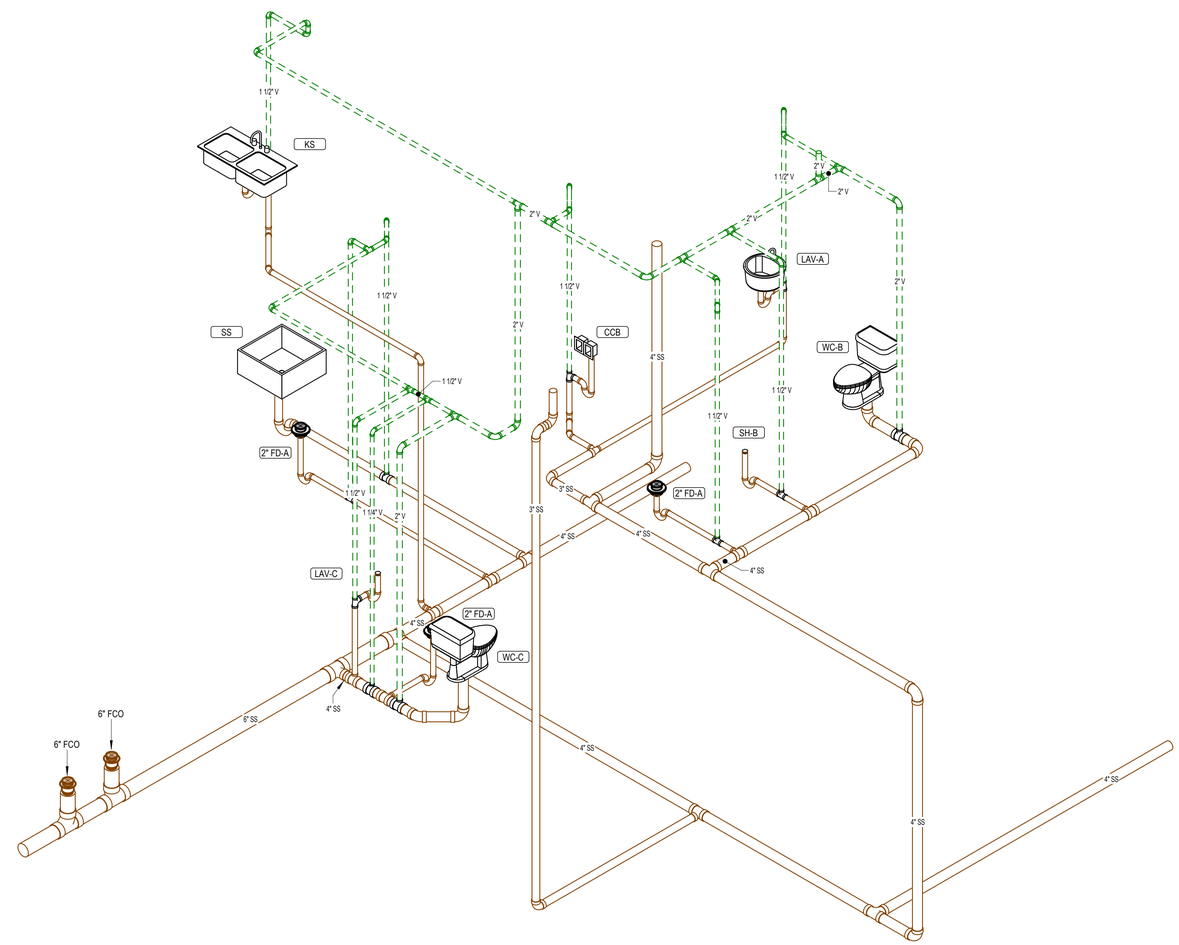

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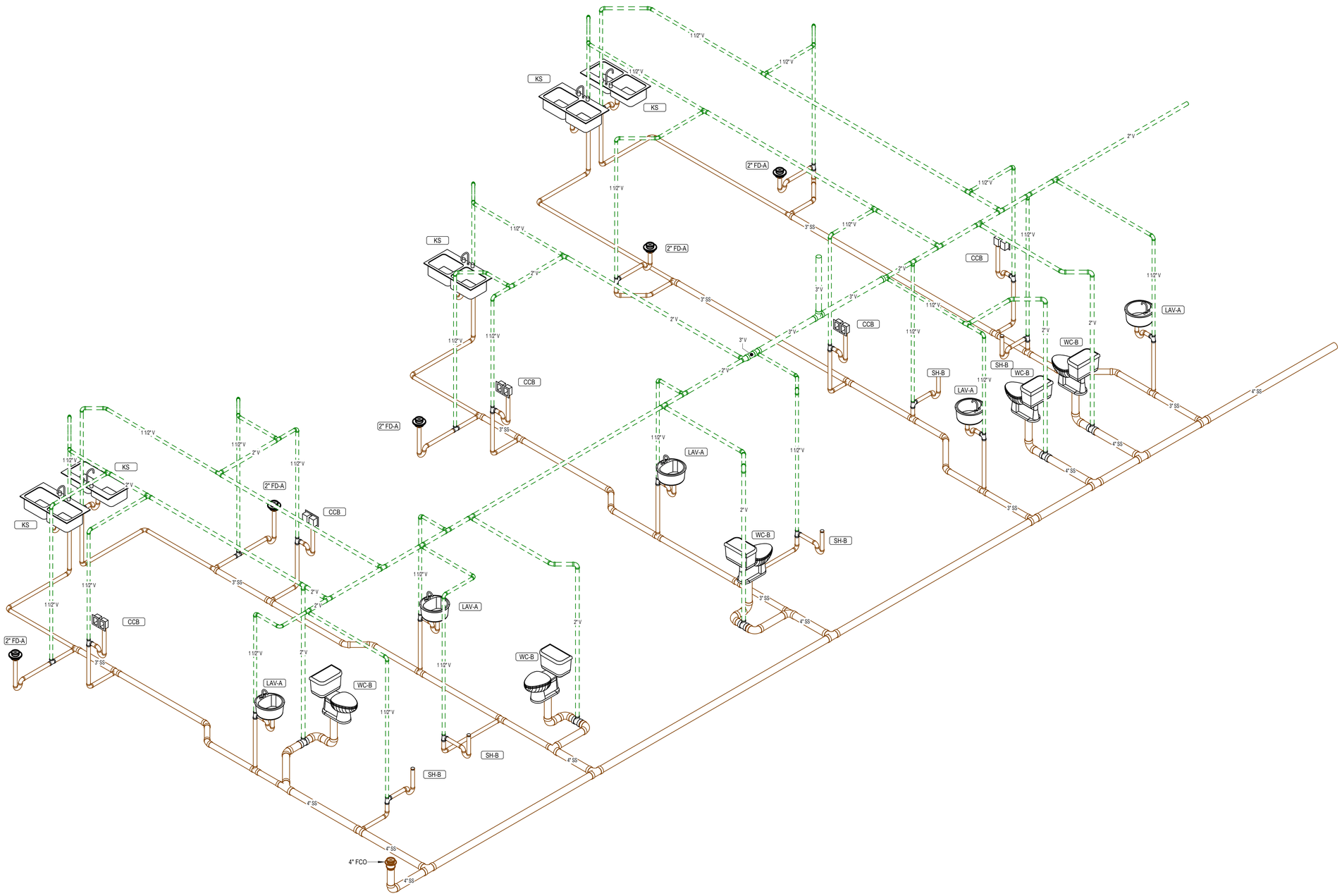

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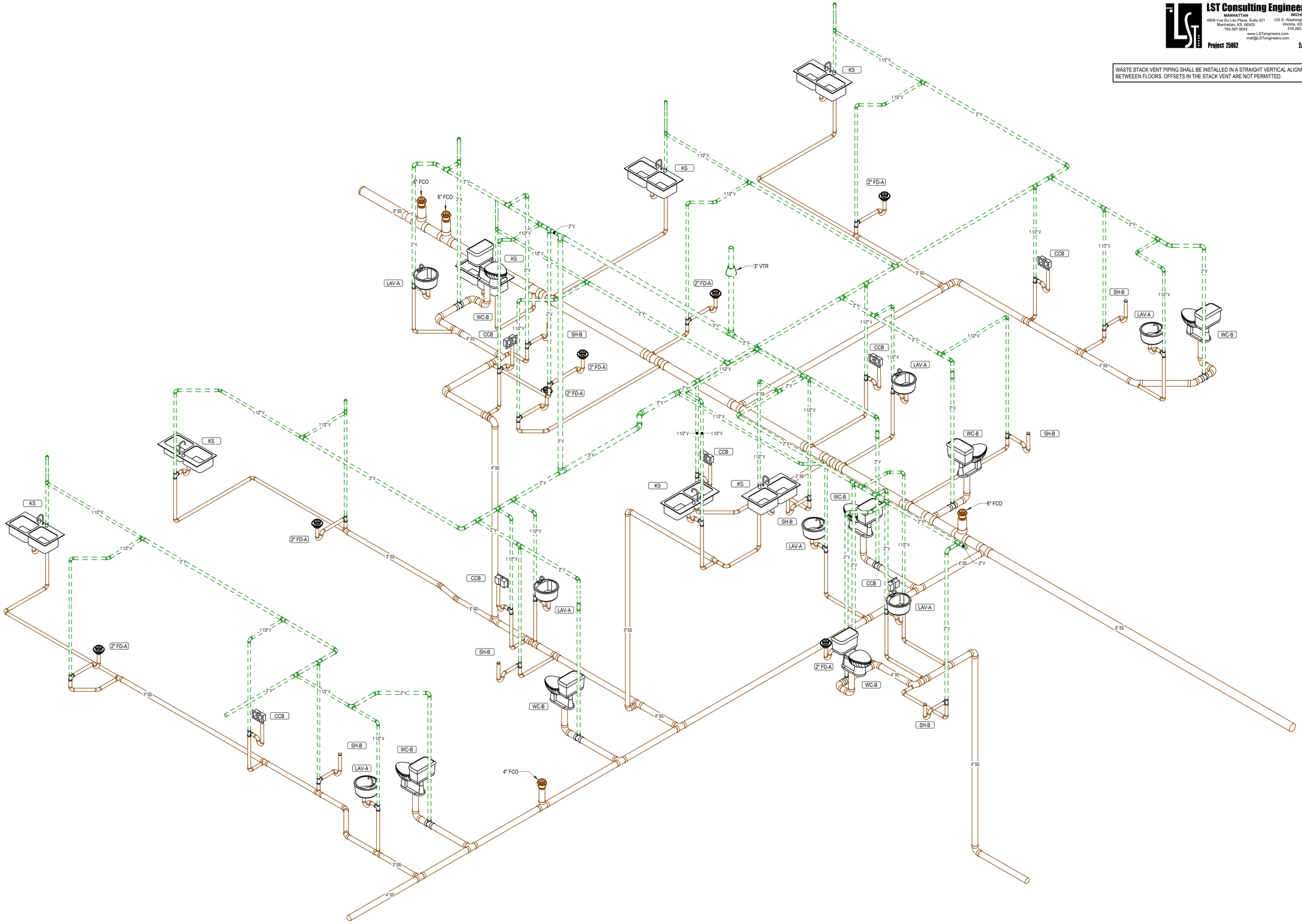

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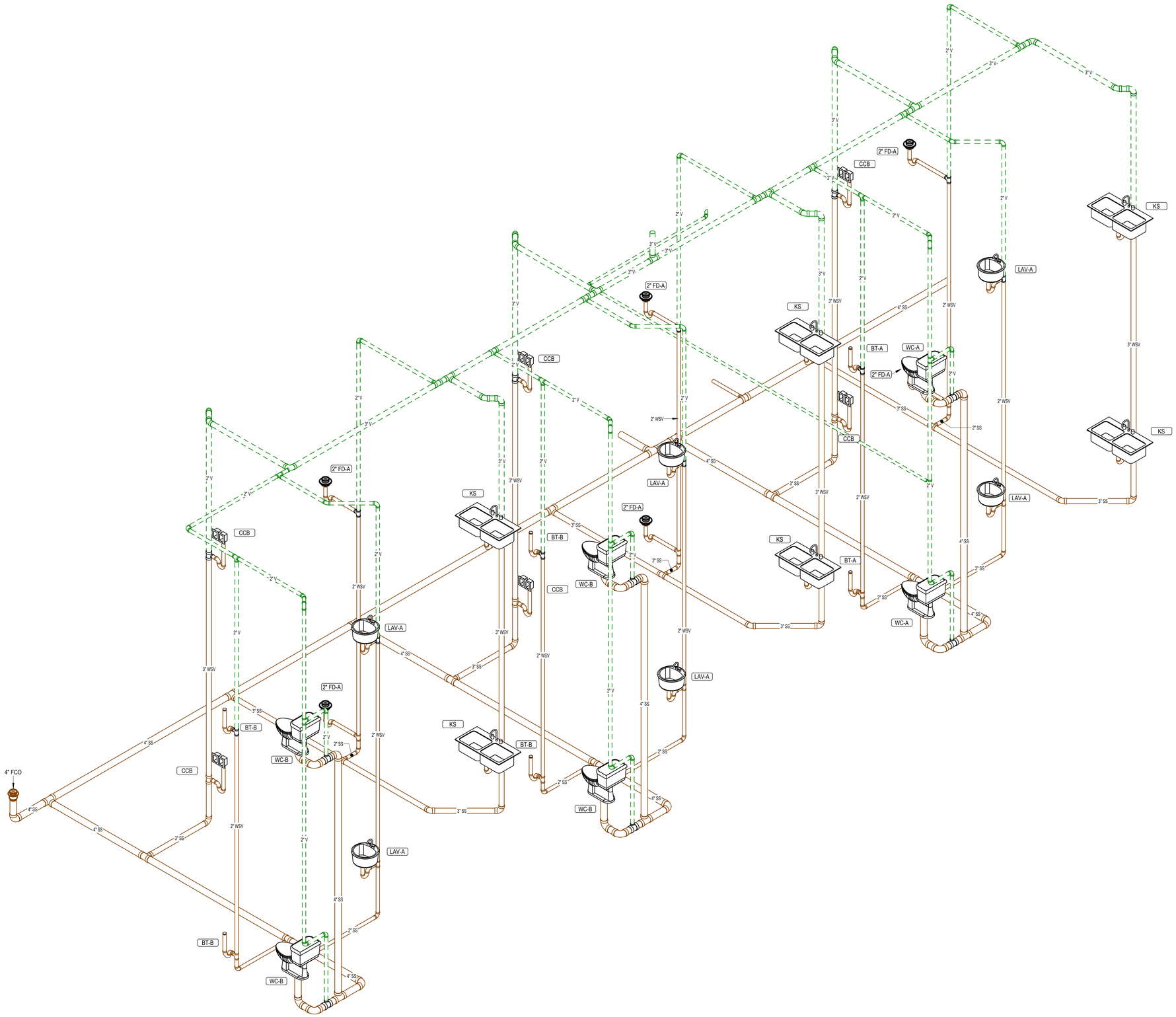

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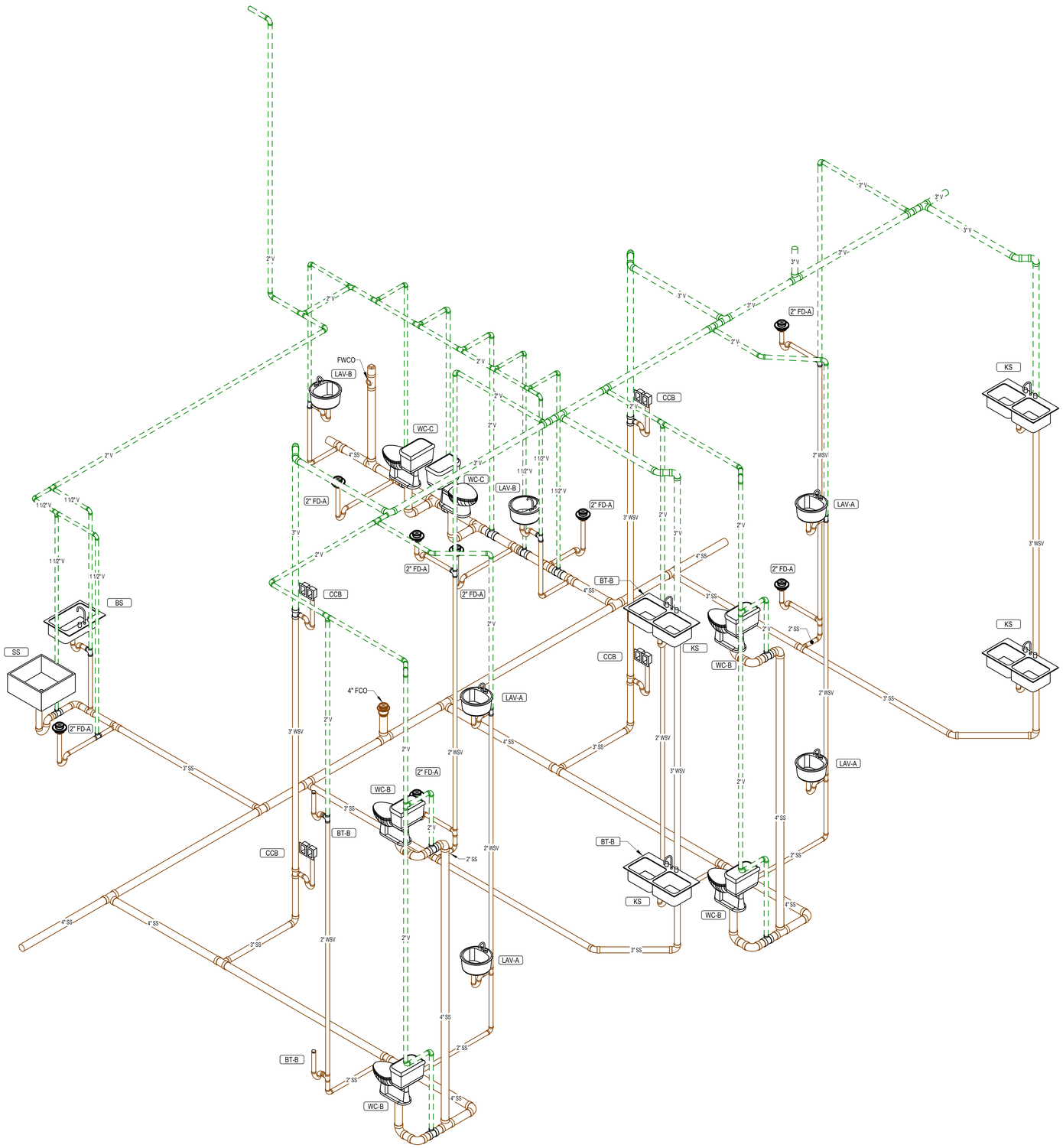

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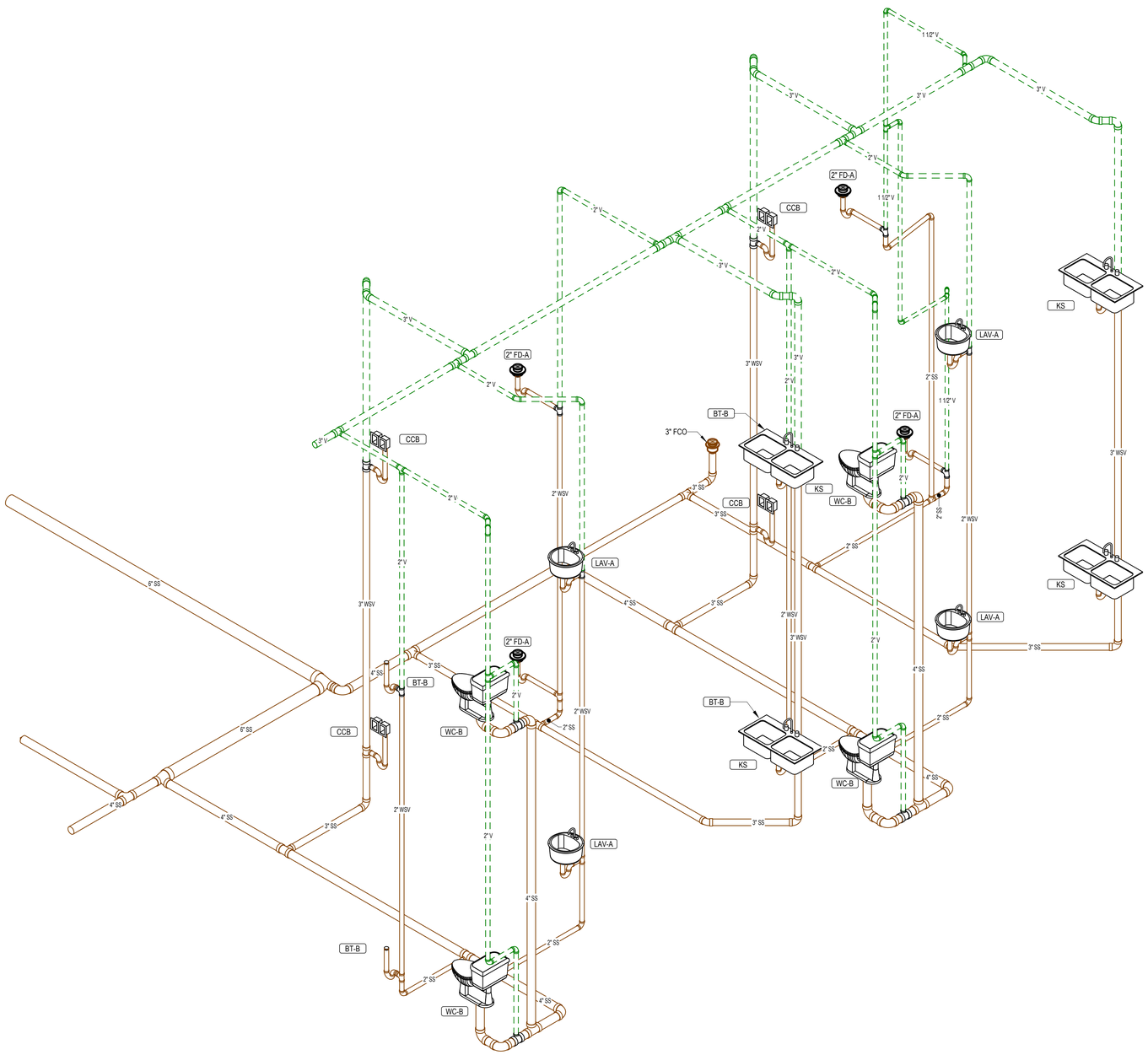

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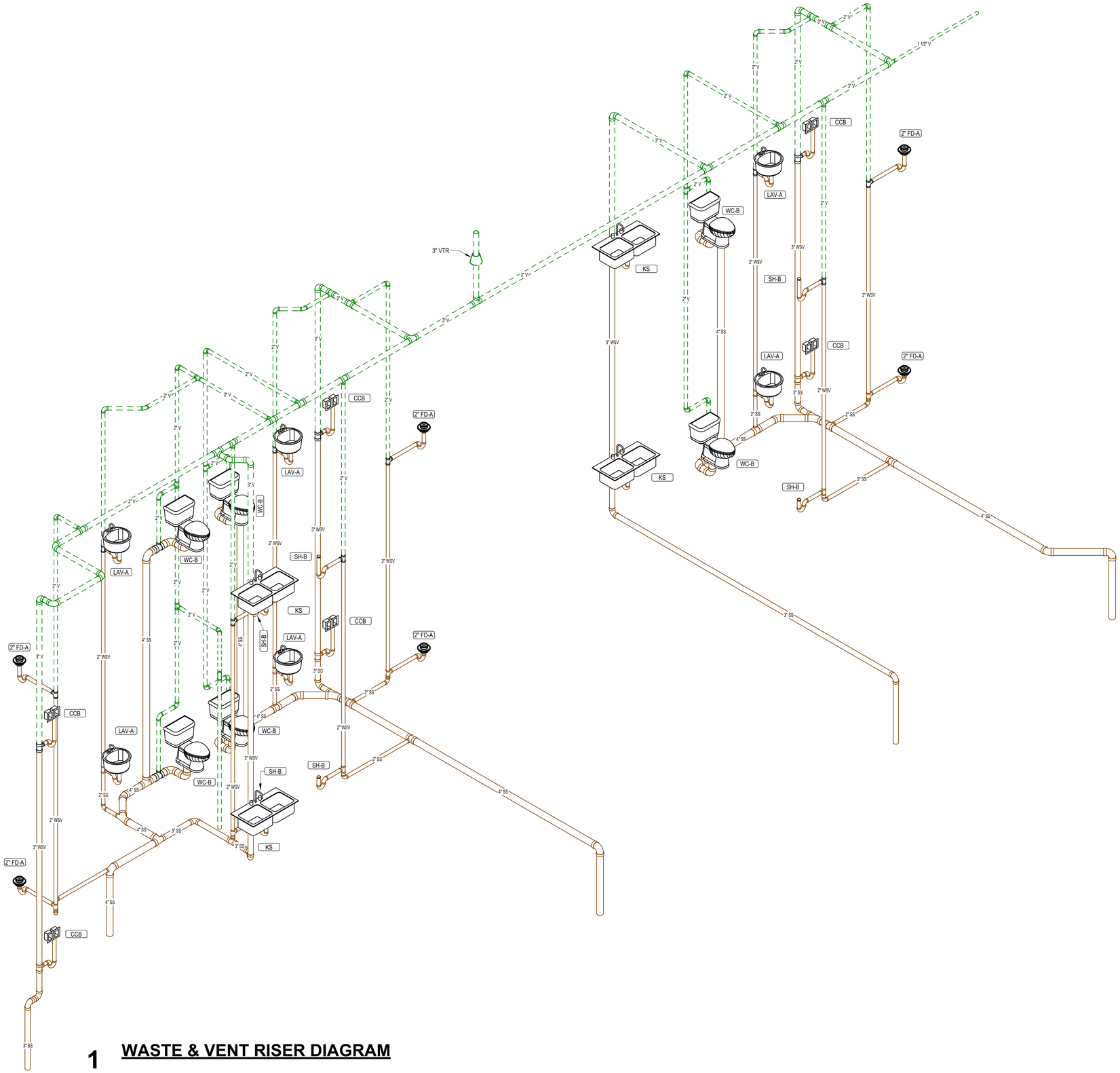

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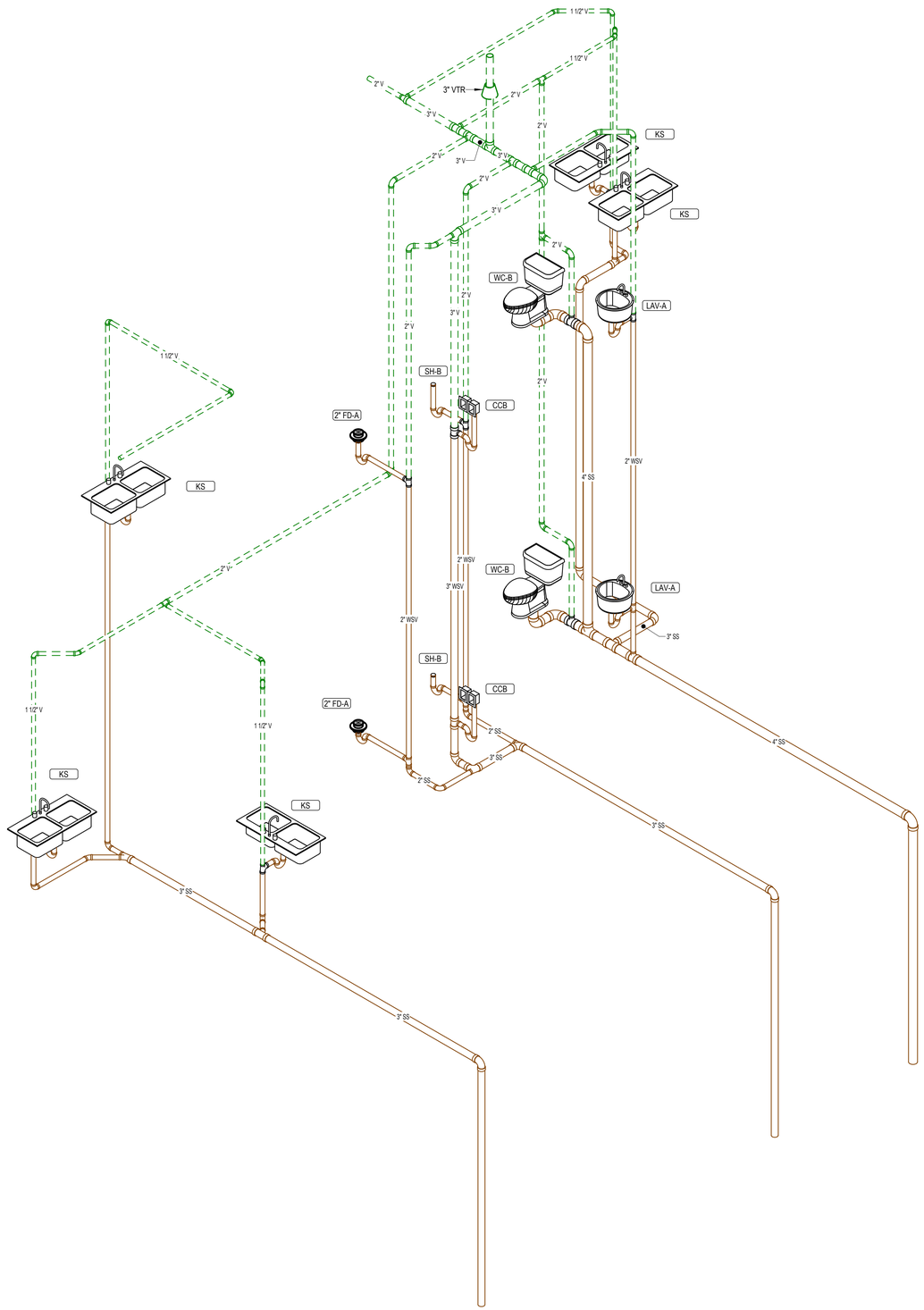

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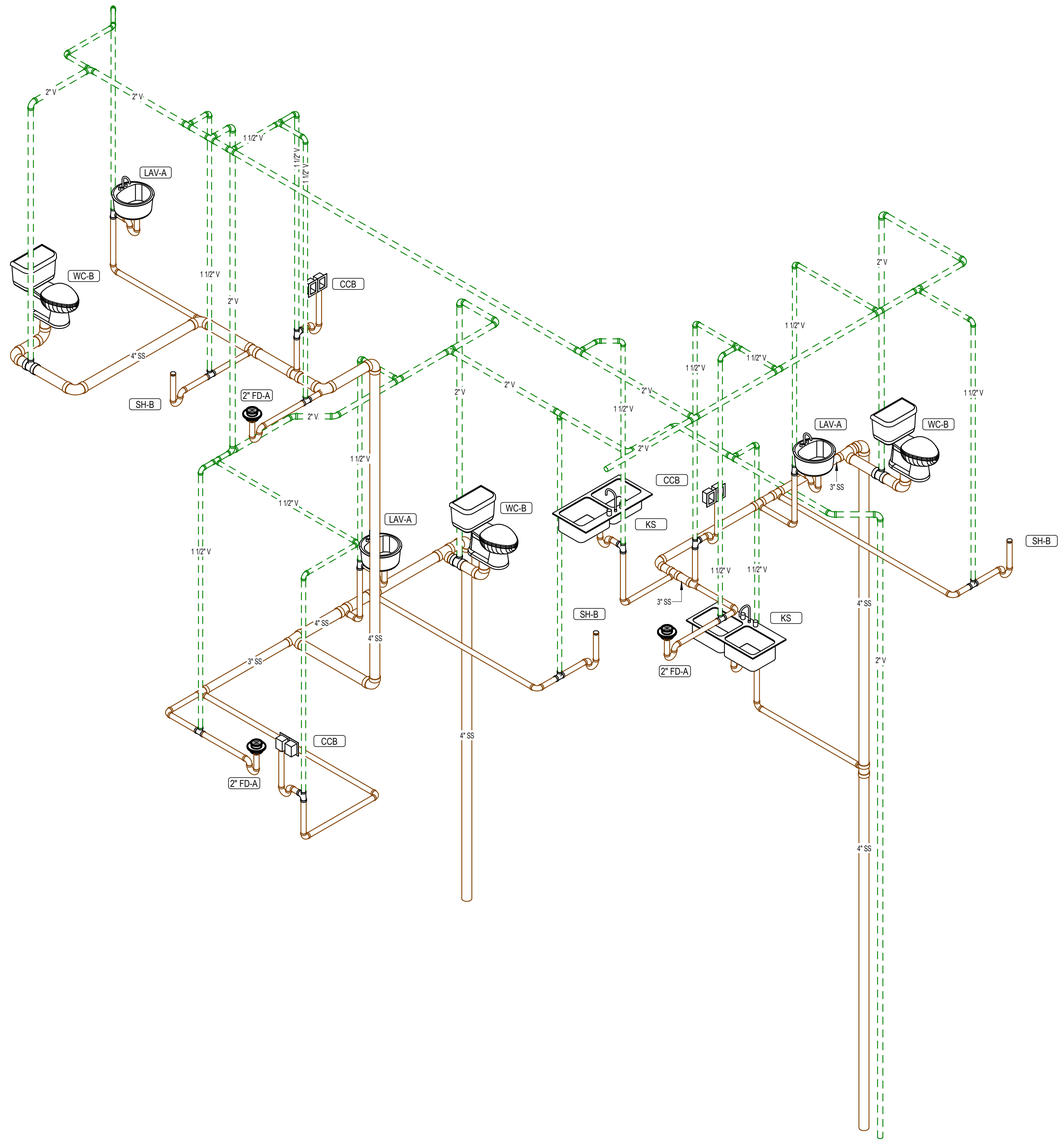

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