

JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386

1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgrarchitects.com

LEE LOFTS, PHASE III, BUILDING 3

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

REVISIONS:	
DATE:	09/24/20
JOB:	22-3
SHEET NO.:	

1

Electrical Abbreviations			
1P	1 Pole (2P, 3P, 4P, ETC.)	MCB	Main Circuit Breaker
A	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	MC	Microphone
AFI	Arc Fault Circuit Interrupter	MIN	Minimum
AHU	Air Handling Unit	MISC	Miscellaneous
AL	Aluminum	MLO	Main Lugs Only
ALT	Alternate	MMS	Manual Motor Starter
AMP	Ampere	MOA	Multicoulet Assembly
AMPL	Amplifier	MSP	Motor Starter Panelboard
ANNUN	Annunciator	MSB	Main Switchboard
APPROX	Approximately	MSS	Motor Starter Switch
AS-STAT	Astatist	MT	Mount
ARCH	Architect, Architectural	MT.C	Empty Conduit
AS	Amp Switch	MTS	Manual Transfer Switch
AT	Amp Trip	MTR	Motor, Motorized
ATS	Automatic Transfer Switch	N.C.	Normally Closed
AUTO	Automatic	NEC	National Electrical Code
AUX	Auxiliary	NEMA	National Electrical Manufacturers Association
AV	Audio Visual	NFDS	Non-Fused Safety Disconnect Switch
AWG	American Wire Gauge	NIC	Not In Contract
BATT	Battery	NL	Not In Light
BD	Board	N.O.	Normally Open
BIDS	Bidding	NPF	Normal Power Factor
BMS	Building Management System	NTS	Not To Scale
C	Conduit	OC	On Center
CAB	Cabinet	OH	Overhead
CAT	Catalog	OL	Overloads
CATV	Cable Television	PA	Public Address
CB	Circuit Breaker	PB	Pull Box Or Pushbutton
CCTV	Closed Circuit Television	PE	Pneumatic Electric
CKT	Circuit	PED	Pedestal
CLG	Ceiling	PF	Power Factor
COMB	Combination	PH	Phase
CMFR	Compressor	PIV	Post Indicating Valve
CONN	Connection	PNL	Panel
CONST	Construction	PP	Power Pole
CONT	Continuation Or Continuous	PR	Pair
CONTR	Contractor	PR1	Primary
CONV	Converting	PROJ	Projection
CP	Circulating Pump	PRV	Power Roof Ventilator
CR	Cathode-Ray Tube	PT	Potential Transformer
CTR	Current Transformer	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	SH	Sheet
DT	Double Throw	SIM	Similar
DWG	Drawing	SLD	Single-Line Diagram
EC	Electric Contractor	SN	Solid Neutral
ELEC	Electric, Electrical	SPEC	Specification
ELEV	Elevator	SPKR	Speaker
ELU	Emergency Lighting Unit	SP	Spare
EM	Emergency	SPP	Single-Point Power
EMS	Emergency 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
EW	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	SYM	Symmetrical
FACP	Supply Panel	SYS	System
FACU	Fire Alarm Control Panel	TEL	Telephone
FCC	Fan Coil Unit	TERM	Terminal
FIXT	Fixture	TL	Twist Lock
FLR	Floor	TR	Tamper Resistant
FLUOR	Fluorescent	T-TAT	Thermostat
FU	Fuse	TTCT	Telephone Terminal Cabinet
FUDS	Fused Safety Disconnect Switch	TV	Television
GA	Gauge	TVTC	Television Terminal Cabinet
GAL	Gallon	TYP	Typical
GALV	Galvanized	UE	Under Counter
GC	General Contractor	UE	Underground Electrical
GEN	Generator	UG	Underground
GFI	Ground Fault Circuit Interrupter	UH	Unit Heater
GFP	Ground Fault Protector	UH	Underground Heater
GND	Ground	UTIL	Utility
GRS	Galvanized Rigid Steel (Conduit)	UV	Ultraviolet
GYP BD	Gypsum Board	V	Volt
HCA	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	Voltage
HTG	Heating	W	Watt
HTR	Heater	W/	With
HV	High Voltage	WG	Wire Guard
HVAC	Heating, Ventilating And Air Conditioning	WH	Water Heater
IC	Interrupting Capacity	W/O	Without
IG	Isolated Ground	WP	Weatherproof
IMC	Intermediate Metal Conduit	XFR	Transformer
INCAND	Incandescent	XFR	Transfer
IR	Infrared		
IW	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
LCC	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		
MC	Momentary Contact		
MIC	Mechanical Contractor		

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 LOCATION 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:	
<ul style="list-style-type: none"> • 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 12" 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 LEGS SHALL BE WIRED IN SERIES WITH WALL SWITCHES TO PROVIDE OVERLAP "OFF" CONTROL FOR LIGHTS.
E.	CONDUIT WIRING FOR 0-10 vdc DIMMING SIGNAL CIRCUITS SHALL BE NEC CLASS 1, ROUTED IN SALES/RECEIVABLE CABLE WITH LIGHTING CIRCUIT POWER CONDUCTORS. WIRING SHALL CONSIST OF (2) #16 SOLID CU THHN OR TFM CONDUCTORS. CONDUIT 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 CONDUIT 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 APPROVED 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 ANY ACCESSIBLE CEILING WITH COORDINATE WITH GC AND SITE WORK CONTRACTOR FOR ALL VALVES INSTALLED. MONITORING IS NOT REQUIRED FOR VALVES INSTALLED IN ROADWAY BOXES BY THE MUNICIPALITY/PUBLIC UTILITY.
D.	CONDUITS FROM EACH OUTLET SHALL BE STUBBED 2" ABOVE THE FINISHED CEILING IN AREAS WITH ACCESSIBLE TILES. IN AREAS WITH OPEN CEILINGS, STUB OUT INTO STRUCTURAL JOIST SPACE.
E.	PROVIDE BLANK, STAINLESS STEEL COVER PLATES FOR ALL OUTLETS NOT ACTIVATED BY OWNER.
F.	PROVIDE SUITABLE PULL STRING IN ALL CONDUITS.
G.	ALL TELECOMMUNICATIONS AND AV CABLEING, JACKS, CONNECTORS, TERMINATIONS, EQUIPMENT AND TESTING SHALL BE PROVIDED BY OWNER.
GENERAL TELECOMMUNICATIONS NOTES	
A.	PROVIDE THE FOLLOWING RUAIRING ROUGH-IN FOR TELECOMMUNICATIONS OUTLET TYPES INDICATED: - PHONE: PHONE CORD (1/2" x 1/2" x 1/2") CONDUIT TO ABOVE ACCESSIBLE CEILING. - PHONE/ATA 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 1-GANG DEVICE RING AND 1-1/2" CONDUIT TO ABOVE ACCESSIBLE CEILING. - PROVIDE NYLON BUSINGS FOR ALL CONDUIT ENDS NOT CONNECTED TO A BOX OR FITTING TO PROTECT CABLEING FROM DAMAGE.
B.	CONDUITS FROM EACH OUTLET SHALL BE STUBBED 2" ABOVE THE FINISHED CEILING IN AREAS WITH ACCESSIBLE TILES. IN AREAS WITH OPEN CEILINGS, STUB OUT INTO STRUCTURAL JOIST SPACE.
C.	PROVIDE BLANK, STAINLESS STEEL COVER PLATES FOR ALL OUTLETS NOT ACTIVATED BY OWNER.
D.	PROVIDE SUITABLE PULL STRING IN ALL CONDUITS.
E.	ALL TELECOMMUNICATIONS AND AV CABLEING, JACKS, CONNECTORS, TERMINATIONS, EQUIPMENT AND TESTING SHALL BE PROVIDED BY OWNER.
GENERAL FIRE ALARM NOTES	
A.	FIRE ALARM CABLEING SHALL BE INSTALLED IN CONDUIT WHERE EXPOSED, UNLESS OTHERWISE NOTED, AND BE SUBJECT TO PHYSICAL DAMAGE.
B.	DTYPE SMOKE DETECTOR 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 CONDUIT, 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 LOW VOLTAGE TO DAMPER ACTUATOR. DAMPER SHALL CLOSE UPON DETECTION OF SMOKE.
E.	IN ADDITION TO VALVES INSTALLED ON FIRE SPRINKLER SYSTEM RISER, ALL VALVES INSTALLED OUTSIDE THE BUILDING (POST INDICATOR VALVE, TAPPING GLEEVE VALVE, ETC.) SHALL BE SUPERVISED BY THE FIRE ALARM SYSTEM. PROVIDE ADDRESSABLE MONITORING MODULE AND SURGE PROTECTION DEVICE (SPD) (Etek 2000-2048) FOR EACH MONITORING VALVE. COORDINATE WITH GC AND SITE WORK CONTRACTOR FOR ALL VALVES INSTALLED. MONITORING IS NOT REQUIRED FOR VALVES INSTALLED IN ROADWAY BOXES BY THE MUNICIPALITY/PUBLIC UTILITY.

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 CEILINGS THAT ARE TO REMAIN, REMOVE ALL WIRING AND WIRING DEVICES AND PROVIDE BLACK 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 THE 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 RECONDUIT 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 CUTOFF, 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 UNHARMED. THESE ITEMS, IF SHOWN, ARE SHOWN FOR INFORMATION. CONTRACTOR SHALL ONLY USE EXISTING EQUIPMENT UNLESS 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 SATISFACTION. CONTRACTOR SHALL NOTIFY THE OWNER, IN WRITING, OF ANY DAMAGE TO EXISTING UTILITIES, BUILDING MATERIALS, OR ASSOCIATED ITEMS, PRIOR TO THE 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.
4. WHERE NEW ADDITION WORK, OR REMODELING OR INTERFERS WITH CIRCUITS IN EXISTING SYSTEMS, OTHERWISE EXISTING, EXISTING CIRCUITS SHALL BE REWORKED AS REQUIRED TO MAINTAIN SERVICE.
5. 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.
6. WHERE EXISTING EQUIPMENT, WIRING DEVICES, LIGHTS, CONDUIT, WIRING OR RELOCATED EQUIPMENT, ELECTRICAL CONTRACTOR MAY REUSE THE EXISTING CONDUIT AND ROUGH-IN LOCATIONS IF POSSIBLE, BUT ALL CONDUCTORS SHALL BE NEW.
7. CIRCUITING SHOWN IN RELOCATED 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.
8. MAINTAIN FIRE RATING OF ALL EXISTING WALLS, FLOORS AND CEILING SYSTEMS.
9. 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 IN UNOCCUPIED SPACES WHERE WIRING CANNOT BE INSTALLED CONCEALED (E.G. COLORED BRICK, MUD, 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 OF TYPE WIREMOLD, RACEWAY, HUBBELL, OR MONOSYSTEMS, AND SHALL BE OF TYPES AS FOLLOWS:

POWER AND FIRE ALARM: WIREMOLD 500 SERIES
COMMUNICATIONS AND AV: WIREMOLD 2400 SERIES



gr

LEE LOFTS, PHASE III, BUILDING 3

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

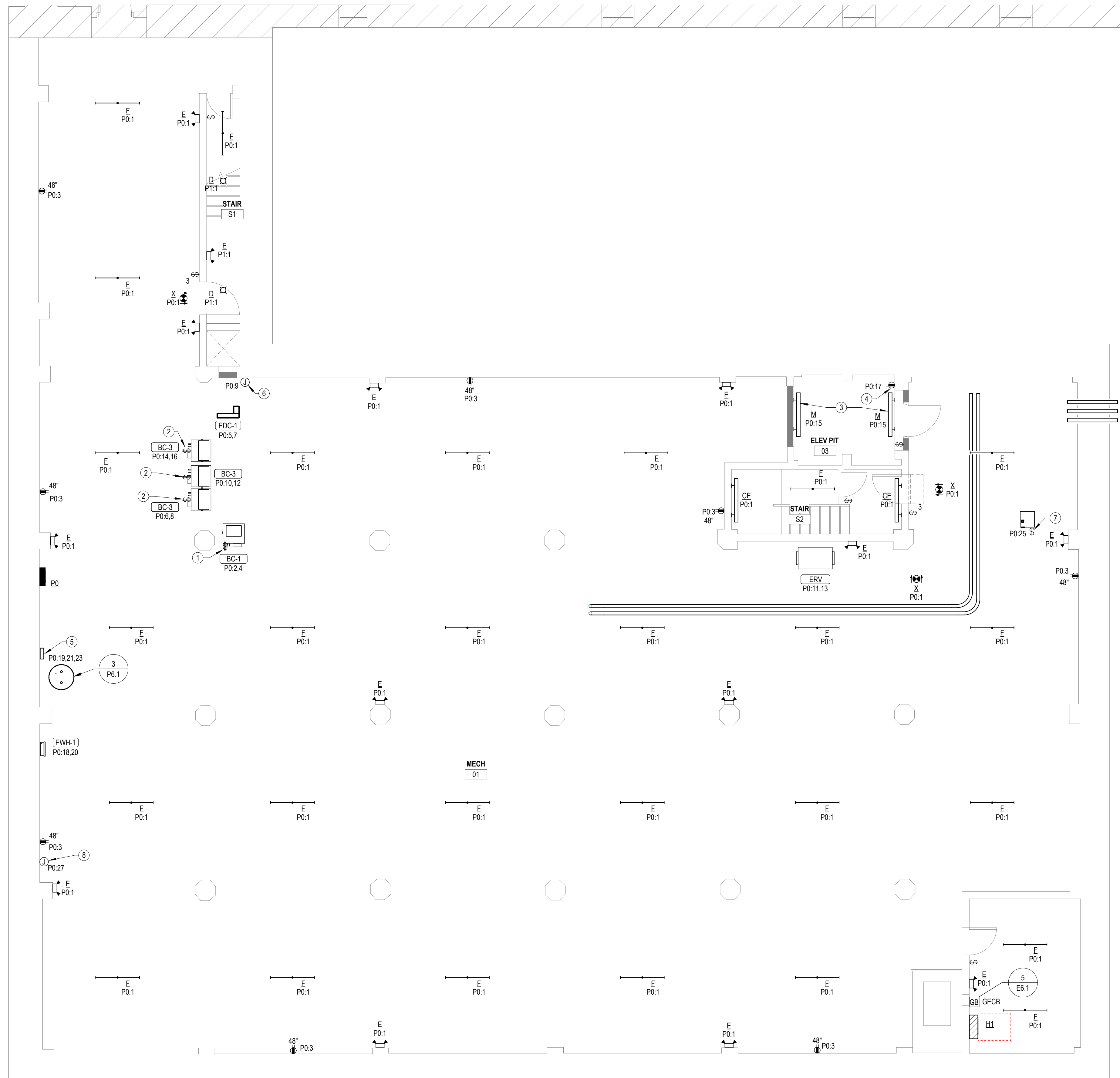
SALINA,



SHEET NO.:

E1.1

COPYRIGHT ©



1

$$3/16'' = 1'-0''$$

- 1 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.
- 2 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.
- 3 INSTALL LUMINAIRE ON WALL OF ELEVATOR HOISTWAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
- 4 INSTALL RECEPTACLE ON WALL OF ELEVATOR HOISTWAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
- 5 SEWAGE EJECTOR PUMP CONTROL PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR.
- 6 PROVIDE HEAT TRACE AND REQUIRED CONTROLLER EQUAL TO "CHROMALOX CPT" FOR WATER PIPES INSTALLED IN SHAFT. PROVIDE DESIGNATED 20 AMP, 120V CIRCUIT FOR PIPE HEAT TRACE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR.
- 7 PROVIDE 20A/1P SNAP SWITCH, 240V, 1P TO REMOTE WATER CHILLER AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
- 8 120V POWER FOR FIRE SPRINKLER SYSTEM (FLOW SWITCHES) AND BELL. PROVIDE #2 CU BONDING JUMPER 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.



REVISIONS:	
DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	

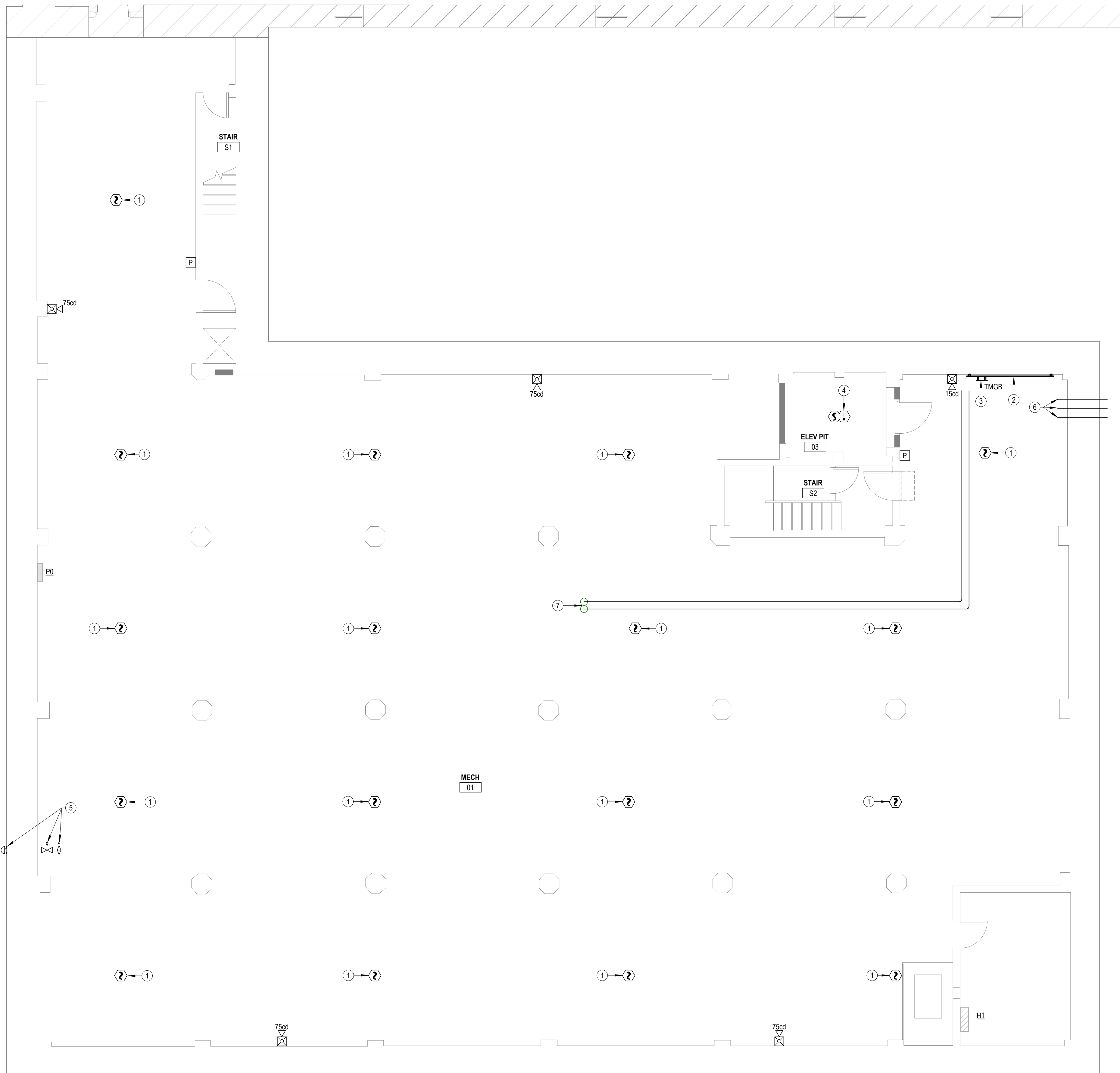


GENERAL ELECTRICAL NOTES

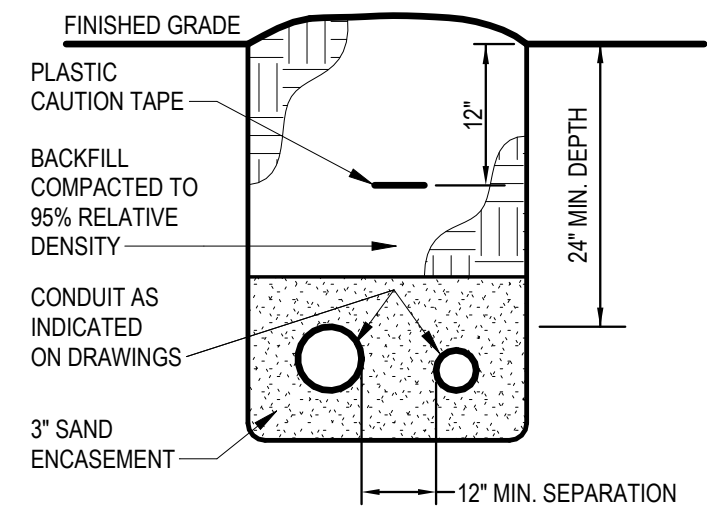
- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY. GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITRY 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

- SWITCH CLOSEST TO DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
- 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.
- PROVIDE RECEPTACLE BELOW COUNTER FOR CORD AND PLUG CONNECTION OF DISHWASHER. PROVIDE CORD AND GROUNDING PLUG AS REQUIRED.
- SWITCHED RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL. COORDINATE EXACT LOCATION OF SWITCH WITH ARCHITECT.
- PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER. INSTALL SWITCH ADJACENT TO WATER HEATER.
- PROVIDE 40A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7842D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COILELECTRIC HEAT.
- CONNECT EXHAUST FAN PROVIDED BY MECHANICAL CONTRACTOR.
- PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
- PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7852D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COILELECTRIC HEAT.
- 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.
- 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:
STUDIO: 27 MINUTES PER HOUR
1 BEDROOM: 30 MINUTES PER HOUR
2 BEDROOM: 42 MINUTES PER HOUR
- PROVIDE RECEPTACLE FOR CORD AND PLUG CONNECTION OF WALL MOUNTED ART FEATURE LIGHT. COORDINATE WITH ITERIOR DESIGNER AND ARCHITECT EXACT LOCATION AND REQUIREMENTS.



1 BASEMENT SPECIAL SYSTEMS PLAN
3/16" = 1'-0"



2 TRENCH DETAIL - TELECOMM
12" = 1'-0"

GENERAL ELECTRICAL 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 CIRCUITRY 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	FIRE ALARM SMOKE DETECTOR.
2	MAIN TELECOMMUNICATION TERMINAL BOARD, 8" WIDE X 8" HIGH.
3	TELECOMMUNICATIONS GROUND BAR, REFERENCE 5.E6.1 FOR MORE INFORMATION.
4	SMOKE DETECTOR AND HEAT DETECTOR IN ELEVATOR HOISTWAY FOR RECALL AND SHUT-DOWN. SEE DETAIL 3.E6.1
5	PROVIDE ALL REQUIRED FIRE ALARM RELAYS AND MONITORING MODULES FOR ALL FIRE SPRINKLER FLOW SWITCHES, TAMPER SWITCHES AND BELL/GONG. COORDINATE REQUIREMENTS WITH FIRE SPRINKLER CONTRACTOR.
6	(3) 4" CONDUITS FOR COMMUNICATIONS SERVICES, ROUTE BELOW GRADE AND TERMINATE AT UTILITY EASEMENT. PROVIDE PULL STRING IN EACH RACEWAY. CORE DRILL THROUGH EXISTING BASEMENT WALL BELOW GRADE AND PROVIDE MODULAR MECHANICAL SEALS AROUND CONDUITS (LINK-SEAL OR EQUAL). SEAL INTERIOR OF CONDUITS WITH FOAM DUCT SEALANT (POLYWATER "FST" OR EQUAL). AFTER INSTALLATION OF CABLING, CAP ANY UNUSED CONDUITS. SEE 2.1.7 FOR MORE INFORMATION.
7	(2) 3" CONDUITS, MAIN TELECOMM BACKBOARD ROUTED OVERHEAD IN BASEMENT, THROUGH 1ST FLOOR AND TERMINATED 4" ABOVE 1ST FLOOR FOR COMMUNICATIONS SERVICE PROVIDER INSTALLED BACKBONE CABLING. PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED).



REVISIONS:	
DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	



JGR

LEE LOFTS, PHASE III, BUILDING 3

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

REVISIONS:

DATE: 09/24/20

JOB: 22-35

SHEET NO.:

E1.8

COPYRIGHTED ©



JGR

LEE LOFTS, PHASE III, BUILDING 3

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

REVISIONS:

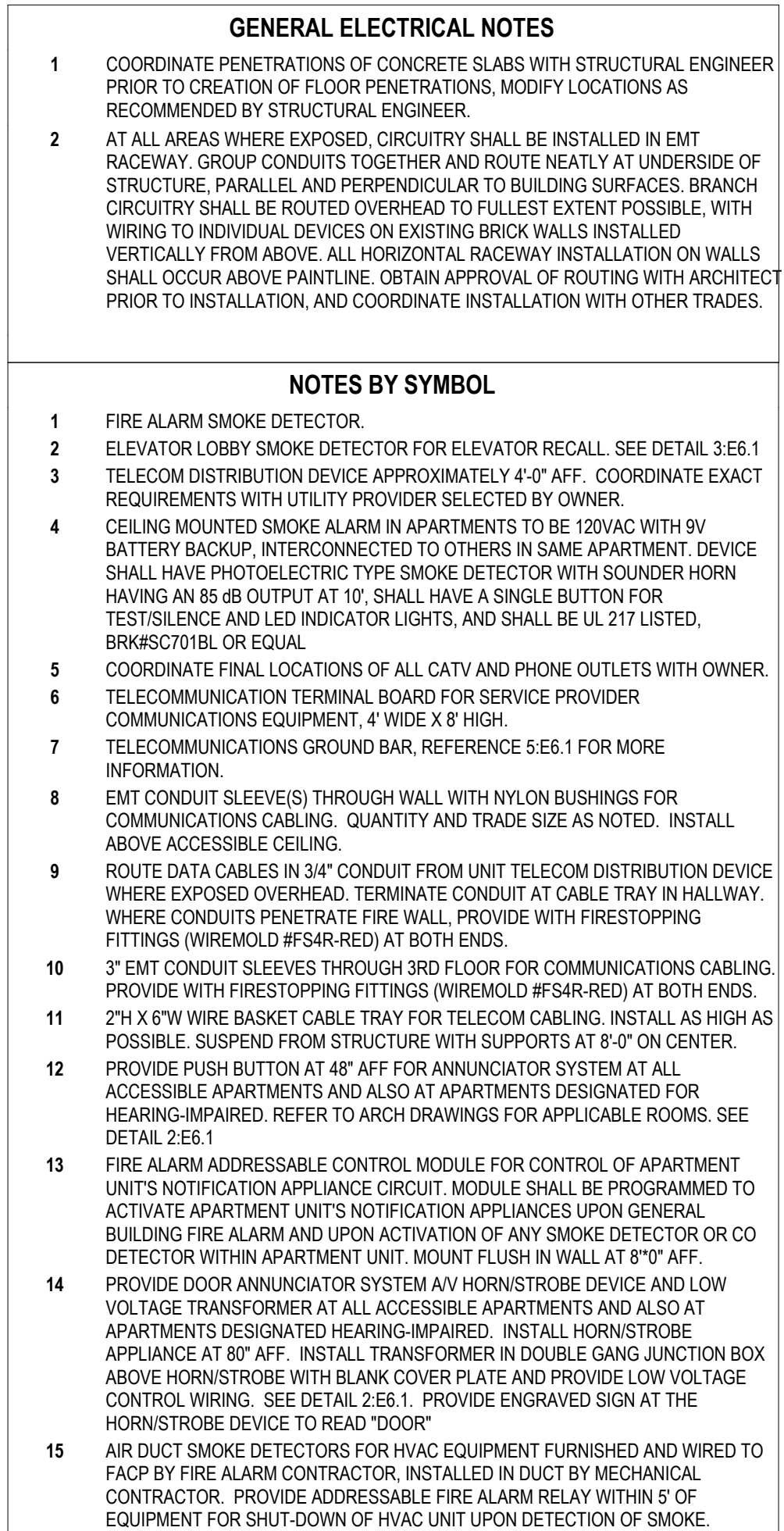
DATE: 09/24/20

JOB: 22-31

SHEET NO.:

E1.9

COPYRIGHTED ©


$$3/16'' = 1'-0''$$



रु

LEE LOFTS, PHASE III, BUILDING 3

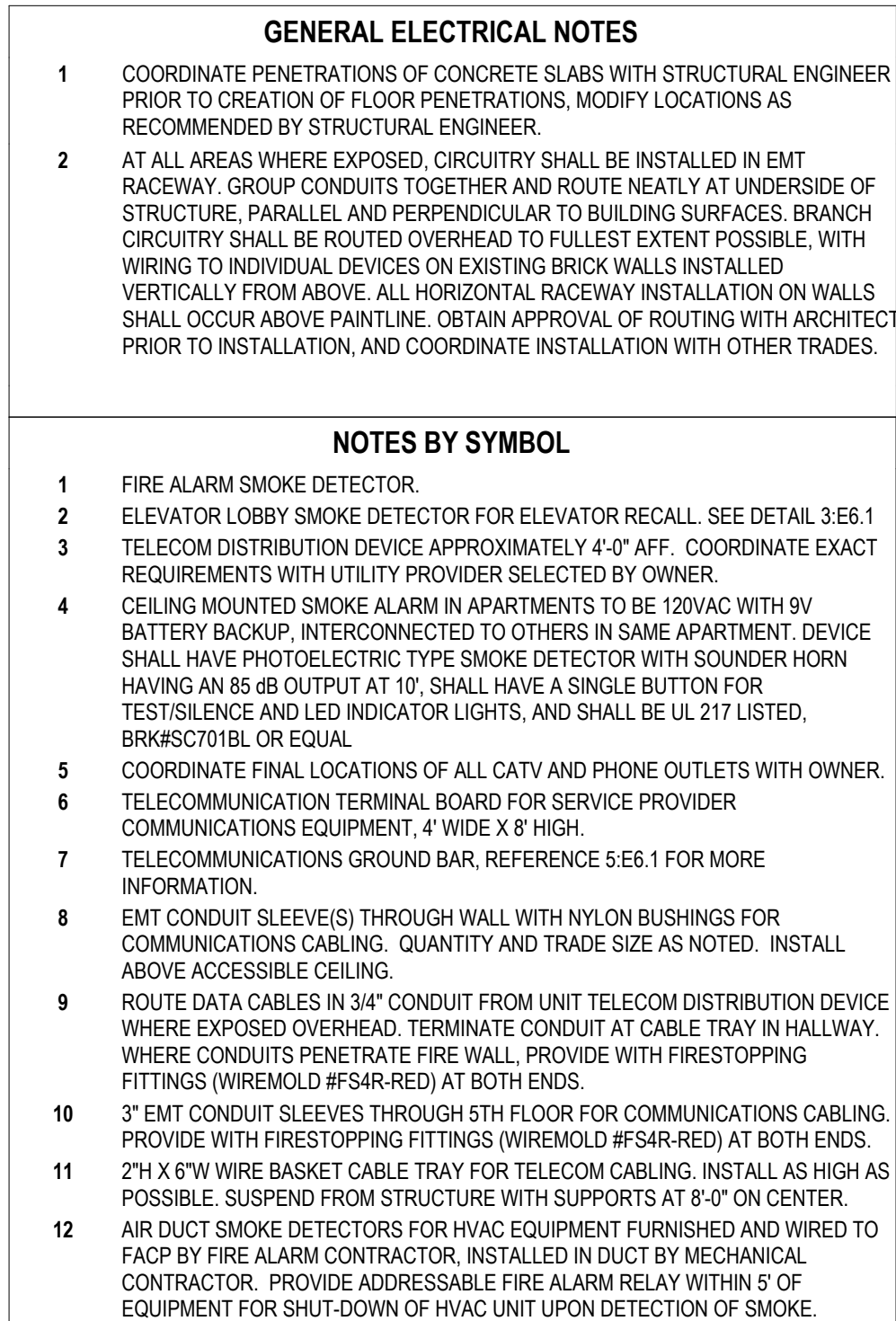
HISTORIC REHAB. (APARTMENTS, COMMERCIAL)



DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	

E1.11

COPYRIGHT ©



1 FOURTH FLOOR SPECIAL SYSTEMS PLAN



gr

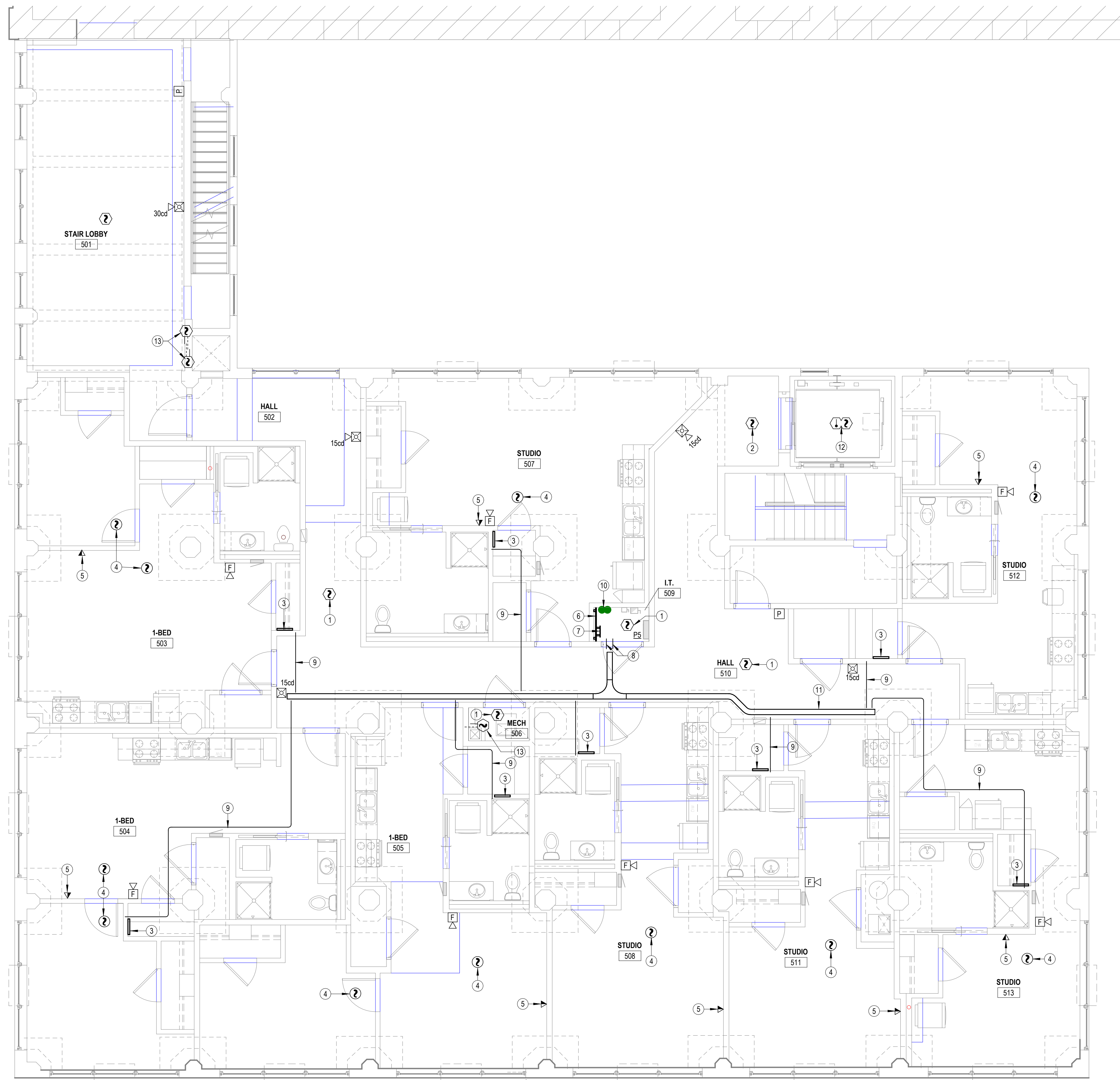
LEE LOFTS, PHASE III, BUILDING 3	
HISTORIC REHAB. (APARTMENTS, COMMERCIAL)	
SALINA,	KANSAS



DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	

E1.12

COPYRIGHT ©

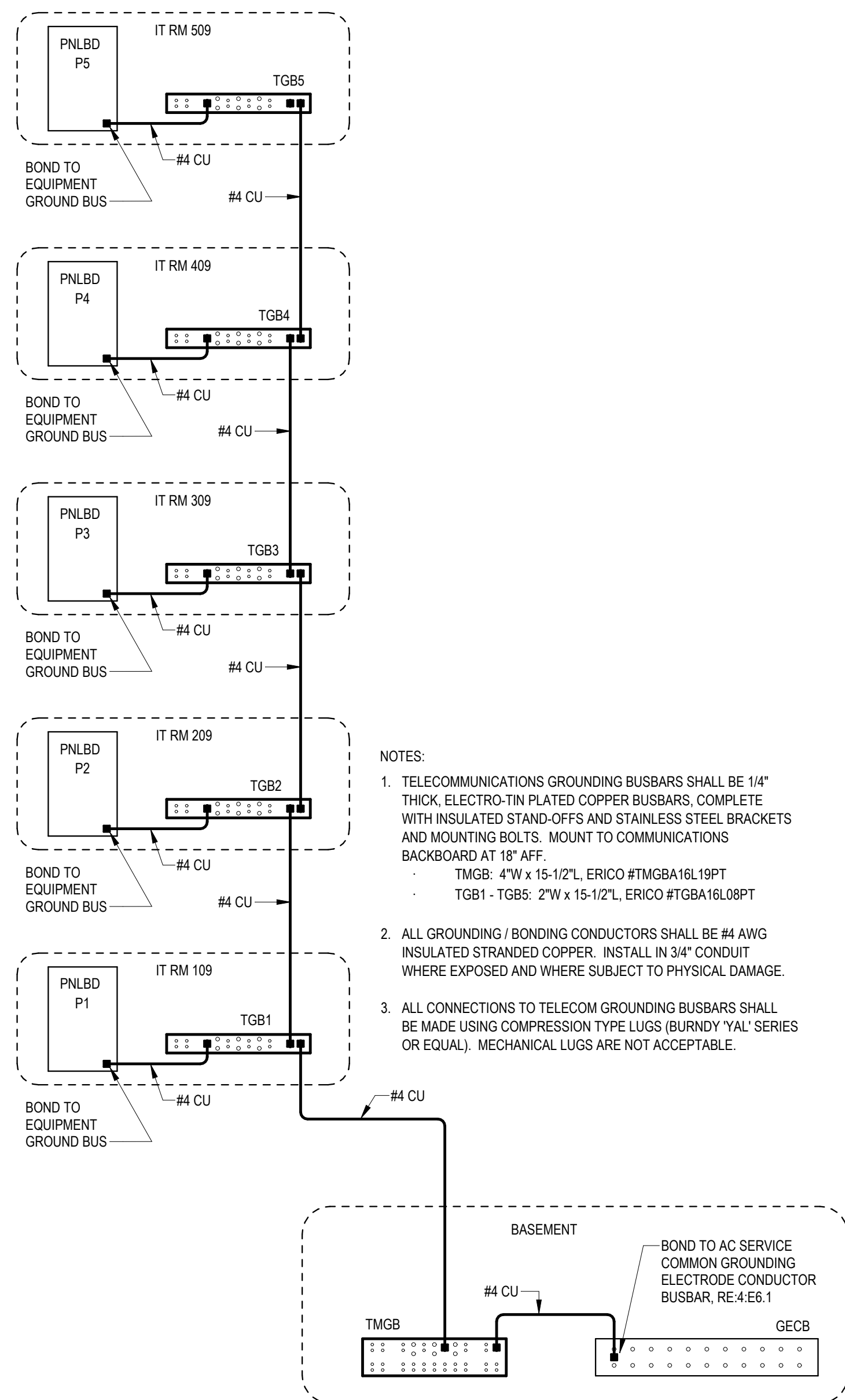


1 FIFTH FLOOR SPECIAL SYSTEMS PLAN

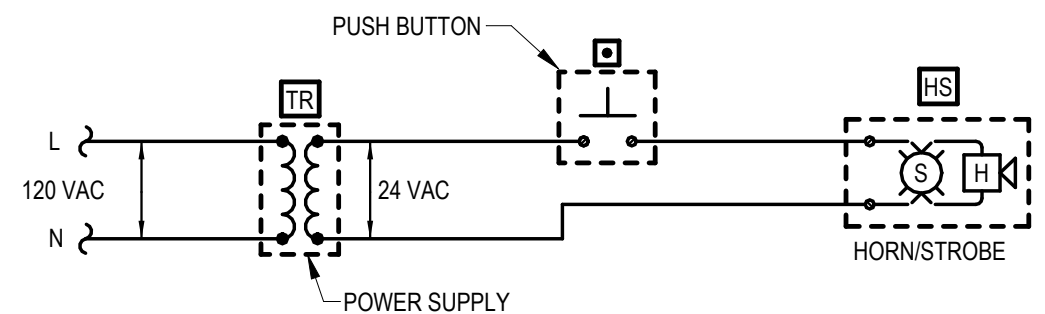
$$\frac{3}{16}'' = 1'-0''$$

- 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 NEARLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITRY SHALL BE ROUTED TO THE CLOSEST FULLY EXPOSED RACEWAY, 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.

- 1 FIRE ALARM SMOKE DETECTOR.
- 2 ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 3.E6.1
- 3 TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. COORDINATE EXACT
- 4 REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER.
- 5 CEILING MOUNTED SMOKE ALARM IN APARTMENTS TO BE 120VAC WITH 9V
- 6 BATTERY BACKUP. INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE
- 7 SHALL HAVE PHOTO EYE TYPE SMOKE DETECTOR WITH SOUNDER HORN
- 8 HAVING AN 85 DB OUTPUT AT 10'. SHALL HAVE A SINGLE BUTTON FOR
- 9 TEST/RESET AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED,
- 10 BRKAFS70101L OR EQUAL.
- 11
- 12 COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER.
- 13 TELECOMMUNICATION TERMINAL BOARD FOR SERVICE PROVIDER
- 14 COMMUNICATIONS EQUIPMENT. 4" WIDE X 8" HIGH.
- 15
- 16 TEST COMMUNICATIONS GROUND BAR, REFERENCE 5.E6.1 FOR MORE
- 17 INFORMATION.
- 18
- 19 EMT CONDUIT (SLEEVE(S) THROUGH WALL WITH NYLON BUSHINGS FOR
- 20 COMMUNICATIONS CABLEING. QUANTITY AND TRADE SIZE AS NOTED. INSTALL
- 21 ABOVE ACCESSIBLE CEILING.
- 22
- 23 ROUTE DATA CABLES IN 3/4" CONDUIT FROM UNIT TELECOM DISTRIBUTION DEVICE
- 24 WHERE EXPOSED OVERHEAD. TERMINATE CONDUIT AT CABLE TRAY IN HALLWAY.
- 25 WHERE CONDUITS ENTER FIRE RISE WALL. PROVIDE WITH FIRESTOPPING
- 26 FITTINGS (WIREMOLD #F\$AR-RED) AT BOTH ENDS.
- 27
- 28 3" EMT CONDUIT SLEEVES FROM 4TH FLOOR FOR COMMUNICATIONS CABLEING.
- 29 PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #F\$AR-RED) AT BOTH ENDS.
- 30
- 31 2 1/4" X 5/8" WIRE BASKET CABLE TRAY FOR TELECOM CABLEING. INSTALL AS HIGH AS
- 32 POSSIBLE. SUSPEND FROM STRUCTURE WITH SUPPORTS AT 8'-0" ON CENTER.
- 33
- 34 SMOKE DETECTOR AND HEAT DETECTOR IN ELEVATOR HOISTWAY FOR RECALL
- 35 AND SHUT-DOWN. SEE DETAIL 3.E6.1.
- 36
- 37 AID IN SMOKE DETECTOR AND HEAT DETECTOR EQUIPMENT FURNISHED AND WIRED TO
- 38 FACP BY FIRE ALARM CONTRACTOR. INSTALLED IN DUCT BY MECHANICAL
- 39 CONTRACTOR. PROVIDE ADDRESSABLE FIRE ALARM RELAY WITHIN 5'
- 40 OF EQUIPMENT FOR SHUT-DOWN OF HVAC UNIT UNDER DETECTION OF SMOKE.



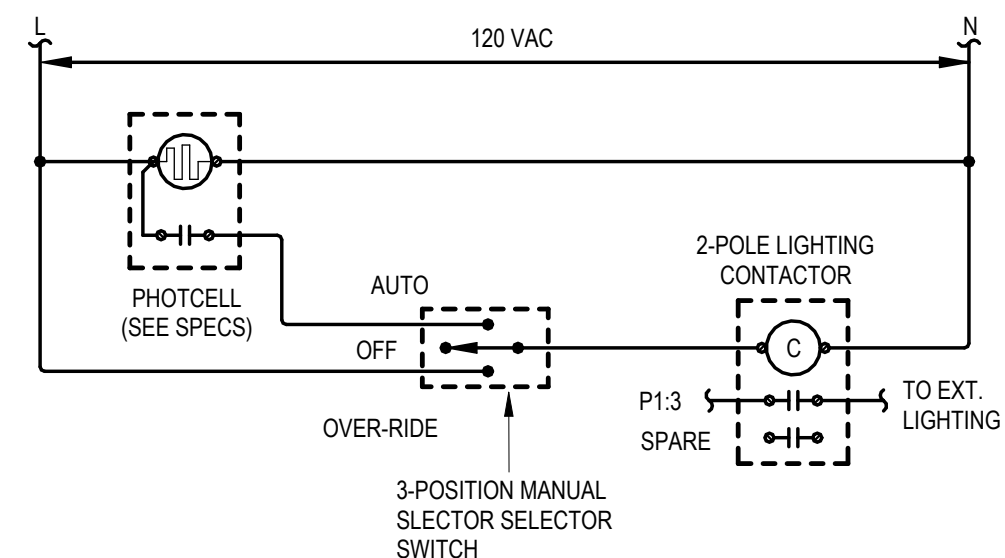
5 COMMUNICATIONS GROUNDING DETAIL



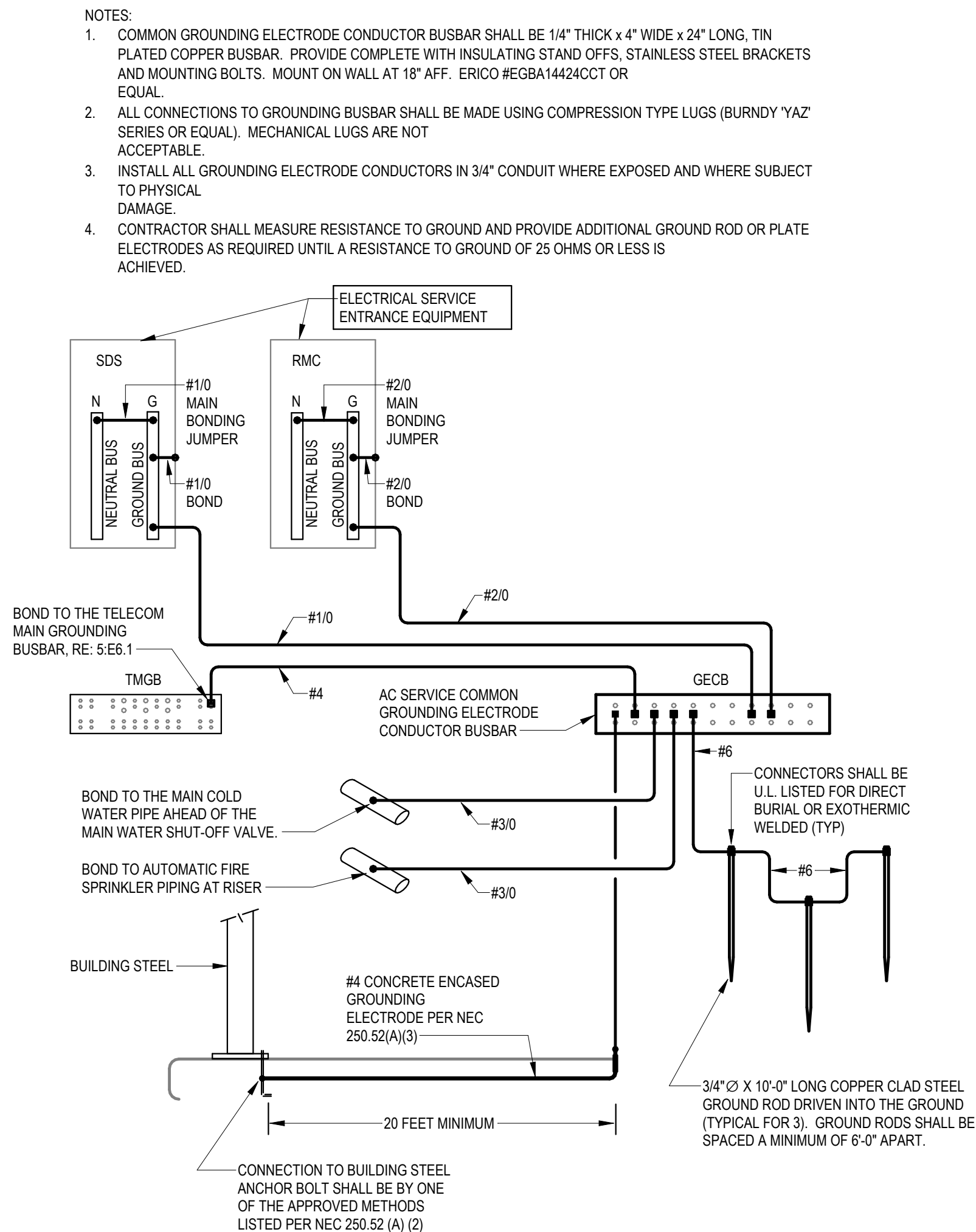
DOOR ALARM BUZZER SYSTEM NOTES

1. PROVIDE DOW ANNUNCIATOR SYSTEM COMPLETE WITH PUSH BUTTON, HORN(STROBE)S, POWER SUPPLIES AND ALL WIRING REQUIRED. HORN(STROBE) SHALL ACTIVATE WHEN PUSH BUTTON IS DEPRESSED.
2. HORN(STROBE) SHALL BE 120VAC, 10WATT, HAVE A 1/2" CLEAR WITH 50db STROBE AND HORN WITH 120db AT 10' . UL 1638 LISTED, EDWARDS #E330-5 PUSH MOUNT IN WALL AT 6'-6" AFF.
3. FLUSH BUTTON SHALL BE SELECTED BY INTERIOR DESIGNER/MOUNT AT 48" AFF. ENSURE COMPATIBILITY WITH ACCESSIBLE UNIT HORN STROBE.
4. POWER SUPPLY SHALL BE A LOW VOLTAGE CLASS 2 TRANSFORMER COMPATIBLE WITH HORN/STROBE. SHALL BE 120VAC, 10WATT, 1/2" CLEAR WITH 2-GANG WALL BOX WITH BLANK COVER PLATE. DIRECTLY ABOVE HORN/STROBE.
5. LOW VOLTAGE CLASS 2 CABLEING SHALL BE MINIMUM 18 AWG UNSHIELDED.

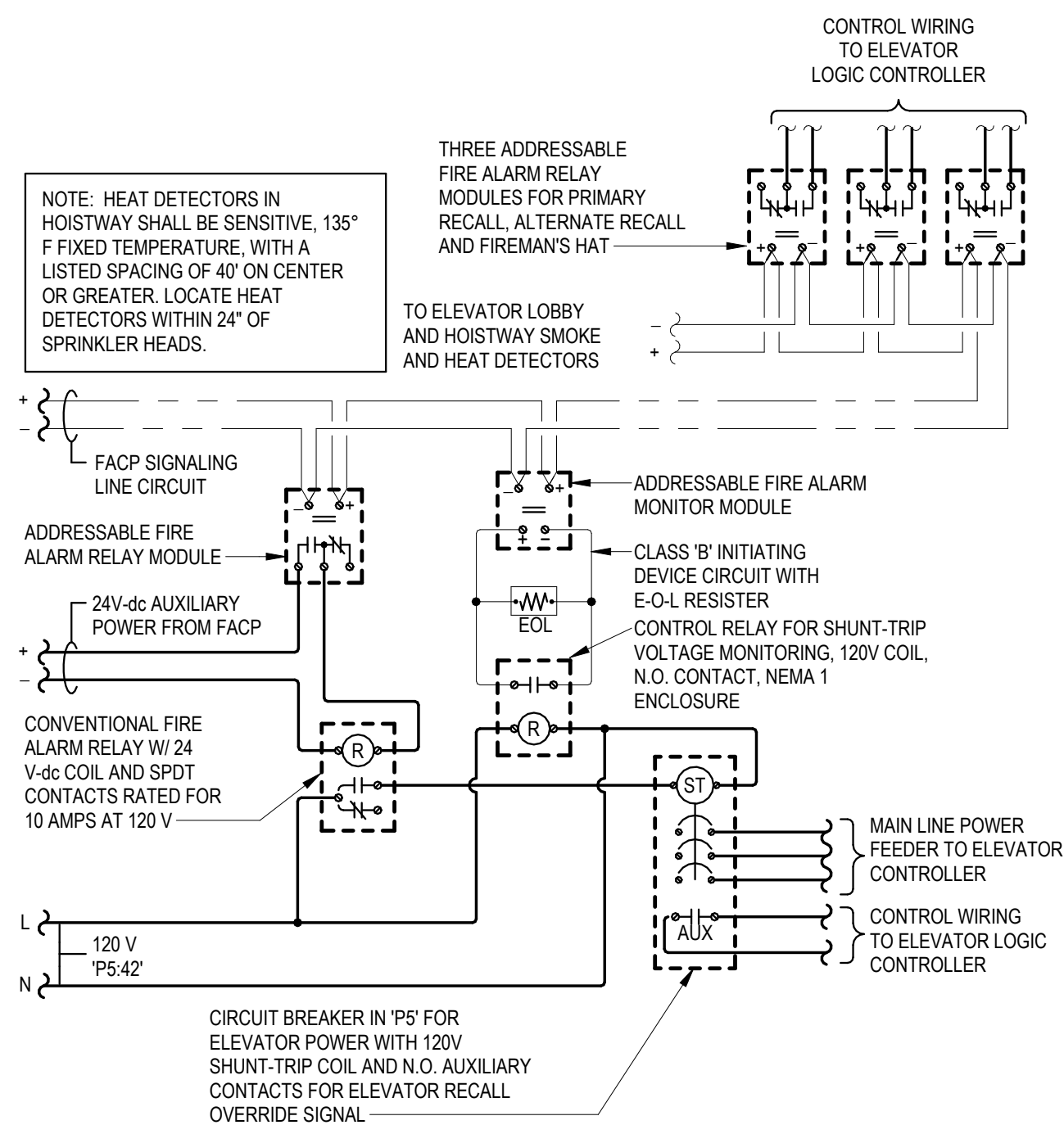
2 ACCESSIBLE APARTMENT DOORBELL WIRING SCHEMATIC



1 EXTERIOR LIGHTING CONTROL DIAGRAM



4 AC SERVICE GROUNDING DETAIL



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 THE PRIMARY RECALL FLOOR IS OCCUPIED, THE ELEVATOR LOGIC CONTROLLER WILL INSTRUCT THE ELEVATOR CONTROLLER TO 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.

3 ELEVATOR RECALL AND SHUT-DOWN WIRING DIAGRAM

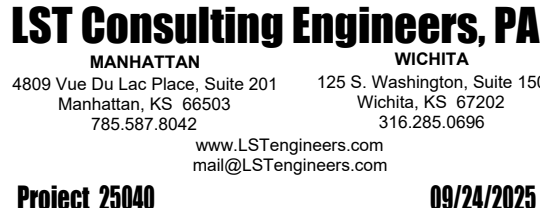
LIGHT FIXTURE SCHEDULE									
GENERAL: *ALL INTERIOR LED FIXTURES SHALL BE MIN. 80 CRI. *ALL LED FIXTURES SHALL ADHERE TO LM79 AND LM80 STANDARDS *ALL EXTERIOR LED FIXTURES SHALL BE 4000°K CORRECTED COLOR TEMPERATURE, MIN. 70 CRI.									
NOTES: 1. PROVIDE FIXTURE WITH INTEGRAL EMERGENCY BATTERY AND 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. FIXTURE/LAMPS SHALL BE ENERGY STAR RATED. 4. U.L. LISTED FOR 'WET LOCATION'. 5. FIXTURE SHALL BE CAPABLE OF OPERATION IN TEMPERATURES RANGING FROM -40F THROUGH 104F. 6. LIGHT FIXTURE SELECTED BY INTERIOR DESIGNER AND PROVIDED BY E.C. ALL SUBSTITUTION SHALL BE APPROVED BY INTERIOR DESIGNER. 7. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH INTERIOR DESIGNER AND ARCHITECT. 8. PROVIDE LAMPS AS REQUIRED. 9. NOT USED.									
MARK	MANUFACTURER	MODEL NUMBER	WATTAGE	LUMEN OUTPUT	DRIVER	MOUNTING	FINISH	DESCRIPTION	NOTES
A	REJUVENATION	SEE DESCRIPTION			STANDARD	PENDANT	OLD BRASS	HOLLYWOOD 6" FITTER LED PENDANT WITH ART DECO WEDDING CAKE GLOBE	6.7.8
B	ALORA	WV35302UB	13 W	1000 lm	STANDARD	SURFACE WALL	URBAN BRONZE	LED BATHROOM VANITY LIGHT	3,6,7,8
CE	H.E. WILLIAMS	WMA-4-L80/835-AF-EM/10W-DIM-UNV	63 W	8000 lm	0-10V DIMMING	SURFACE WALL	WHITE	4 FT. ARCHITECTURAL WALL BRACKET UP/DOWN LIGHT WITH FROSTED ACRYLIC LENS AND 10W EMERGENCY BATTERY	--
D	HALO	SMD6R12930WH	15 W	1200 lm	PHASE DIMMING	CEILING SURFACE	WHITE	6" DIA ROUND SURFACE MOUNT DOWNLIGHT WITH ACRYLIC LENS, 90 CRI	3
E	SURE-LITES	SEL25SD			--	WALL AT 7'-6" AFF	WHITE	TWIN HEAD POLYCARBONATE EMERGENCY LIGHT	1
E1	MULE	EOE-8B-10L3-B-DG			--	SURFACE WALL	BRONZE	DIE-CAST ALUMINUM EMERGENCY LIGHT WITH POLYCARBONATE LENS, INTEGRAL BATTERY	1,4,5
F	METALUX	4SNLED-LD556L-UNV-L830-CD1	46 W	5900 lm	0-10V DIMMING	SURFACE	WHITE	4' LED STRIP WITH FROSTED ACRYLIC LENS, WIDE DISTRIBUTION	--
G	VISUAL COMFORT & CO.	SL 2708HAB			STANDARD	SURFACE WALL	BRASS	WALL MOUNTED PICTURE LIGHT	6.7,8
H	ARTERIORS LIGHTING	49175			STANDARD	SURFACE WALL	BRONZE	WALL SCONCE	6.7,8
J	HUBBARDTON FORGE	SEE DESCRIPTION			STANDARD	CEILING SURFACE	SOFT GOLD	TWILIGHT FLUSH MOUNT 6" DIA ROUND DOWNLIGHT	6.7,8
K	REJUVENATION	SEE DESCRIPTION			STANDARD	SURFACE WALL	BRASS	TRILLIUM SCONCE, HERITAGE BRASS FINISH WITH RUSSET CERAMIC SHADE	6.7,8
M	H.E. WILLIAMS	96-4-L40/835-HIAFR-WET/1-DRV-UNV	30 W	4000 lm	STANDARD	SURFACE WALL	WHITE	4 FT. FULLY ENCLOSED AND GASKETED INDUSTRIAL FIXTURE WITH FROSTED, RIBBED, IMPACT-RESISTANT ACRYLIC LENS	4
Q	--	--			STANDARD	WALL AT 12'-0" AFF (FIRST FLOOR)	---	EXTERIOR UP/DOWN WALL LIGHT, SELECTED BY OWNER	4
R1	MCGRAW-EDISON	GWC-AF-01-LED-E1-T2-BK-600	34 W	4200 lm	STANDARD	WALL AT 12'-0" AFF (FIRST FLOOR)	BLACK	EXTERIOR WALL PACK, TYPE II IES DISTRIBUTION	4
R2	MCGRAW-EDISON	GWC-AF-01-LED-E1-T3-BK-800	44 W	5150 lm	STANDARD	WALL AT 12'-0" AFF (FIRST FLOOR)	BLACK	EXTERIOR WALL PACK, TYPE III IES DISTRIBUTION	4
X	MULE	MXBRU-SD			--	CEILING/WALL	WHITE	UNIVERSAL SINGLE/DOUBLE FACE POLYCARBONATE EXIT SIGN WITH RED LETTERS	1,2
XE	MULE	SQC-LED-U-R-WW-SD			--	SURFACE WALL	WHITE	SINGLE FACE COMBINATION POLYCARBONATE EXIT SIGN/TWIN HEAD EMERGENCY LIGHT	1,2

REVISIONS

DATE: 09/24/2025

JOB: 22-3243

SHEET NO.:



JonesGillamRenz
730 N. Ninth
Salina, KS 67401
785.827.0386
1881 Main Street, Suite 301
Kansas City, MO 64108
jgr@jgarchitects.com

KANSAS

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

SALINA.



JOB: 22-3243

SHEET NO.:

COPYRIGHT ©

Breaker Function Schedule	
A	Arc-Fault Interrupter (AFCI) Protection
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)
L	Lockable open according to NEC 110.25

Panel Load: P3

Location: IT 309

Supply: H1

Mounting: Surface

Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W

Bus Rating: 225 A

Neutral: 100%

Feed-Thru Lugs: Yes

Features & Modifications: INTERNAL SURGE PROTECTION

Mains Type: MLO

Mains Rating: 100 A

Mains FN>Note: -

SCCR: 42 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA	B KVA	C KVA	FN	Trip (A)	Circuitry	Description	Ckt
P3-1	LTS - 3RD FLR COMMONS	1/2"C,1#12,1#2N,1#12G	20		0.56	3.28			40	1/2"C,2#8,1#10G	BLOWER COIL 'BC-1' 3RD HALL	P3-2
P3-3	RCPT - 3RD LOBBY	1/2"C,1#12,1#2N,1#12G	20			0.9	3.28					P3-4
P3-5	RCPT - 3RD HALL	1/2"C,1#12,1#2N,1#12G	20					1.08	0.75			P3-6
P3-7	RCPT - TELECOM	1/2"C,1#12,1#2N,1#12G	20		0.36	0.75				20	1/2"C,2#12,1#12G	P3-8
P3-9	RCPT - TELECOM	1/2"C,1#12,1#2N,1#12G	20				0.36	0		20	--	P3-10
P3-11	FIRE/SMOKE DAMPER	1/2"C,1#12,1#2N,1#12G	20	L	--	--	--		1.08	0	--	P3-11
P3-13	Space	--	--	--	--	--	--	--	--	--	Space	P3-12
P3-15	Space	--	--	--	--	--	--	--	--	--	Space	P3-13
P3-17	Space	--	--	--	--	--	--	--	--	--	Space	P3-14
P3-19	Space	--	--	--	--	--	--	--	--	--	Space	P3-15
P3-21	Space	--	--	--	--	--	--	--	--	--	Space	P3-16
P3-23	Space	--	--	--	--	--	--	--	--	--	Space	P3-17
					Connect... 10 KVA	9 KVA	6 KVA	(Includes load connected via feed-thru lugs.)				
					Connect... 87 A	80 A	49 A					

Panelboard: P4

Location: IT 409

Supply: P3

Mounting: Surface

Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W

Bus Rating: 225 A

Neutral: 100%

Feed-Thru Lugs: No

Features & Modifications: INTERNAL SURGE PROTECTION

Mains Type: MLO

Mains Rating: 100 A

Mains FNNote: -

SCCR: 42 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA	B KVA	C KVA	FN	Trip (A)	Circuitry	Description	Ckt
P4-1	LTS - 4TH FLR COMMONS	1/2"C,1#12,#12N,#12G	20	--	0.56	3.28			40	1/2"C,2#8, #10G	BLOWER COIL 'BC-1' 4TH HALL	P4-2
P4-3	RCPT - 4TH LOBBY	1/2"C,1#12, #12N,#12G	20	--		0.9	3.28					P4-4
P4-5	RCPT - 4TH HALL	1/2"C,1#12, #12N,#12G	20	--			1.08	0.75	20	1/2"C,2, #12, #12G	EWB-5 - STAIR	P4-6
P4-7	RCPT - TELECOM	1/2"C,1#12, #12N,#12G	20	--	0.36	0.75			20			P4-8
P4-9	RCPT - TELECOM	1/2"C,1#12, #12N,#12G	20	--		0.36	0		20	--	Spare	P4-10
P4-11	FIRE/SMOKE DAMPER	1/2"C,1#12, #12N,#12G	20	L	--	--	1.08	0	20	--	Spare	P4-12
P4-13	Space	--	--	--	--	--	--	--	--	--	Space	P4-14
P4-15	Space	--	--	--	--	--	--	--	--	--	Space	P4-16
P4-17	Space	--	--	--	--	--	--	--	--	--	Space	P4-18
P4-19	Space	--	--	--	--	--	--	--	--	--	Space	P4-20
P4-21	Space	--	--	--	--	--	--	--	--	--	Space	P4-22
P4-23	Space	--	--	--	--	--	--	--	--	--	Space	P4-24
			Connecte...		5 KVA	5 KVA	3 KVA					
			Connecte...		43 A	40 A	24 A					

Panelboard: P5

Location: IT 509
Supply: H1
Mounting: Surface
Enclosure: NEMA 1

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

Main Type: MLO
Mains Rating: 225 A
Mains FN>Note: -
SCCR: 42 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA	B KVA	C KVA	FN	Trip (A)	Circuitry	Description	Ckt		
P5.1	CONDENSING UNIT 'CU-3'	1/2"C,2#10,#10G	30		1.87	1.46			20	1/2"C,2#12,#12G	Cooling	P5.2		
P5.3	COMMUNITY 102					1.87	1.46					P5.4		
P5.5	CONDENSING UNIT 'CU-3'	1/2"C,2#10,#10G	30		1.87	1.08		1.87	0.18	20	1/2"C,1#12,#12N,#12G	RCPT - ELEVATOR HOISTWAY	P5.6	
P5.7	COMMUNITY 102									20	1/2"C,1#12,#12N,#12G	RCPT - 5TH HALL	P5.8	
P5.9	CONDENSING UNIT 'CU-1'	1/2"C,2#12,#12G	20			0.94	0.9			20	1/2"C,1#12,#12N,#12G	RCPT - 5TH LOBBY	P5.10	
P5.11	5TH FLOOR HALL						0.94	0.36		20	1/2"C,1#12,#12N,#12G	RCPT - TELECOM	P5.12	
P5.13	CONDENSING UNIT 'CU-1'	1/2"C,2#12,#12G	20		0.94	0.36				20	1/2"C,1#12,#12N,#12G	RCPT - TELECOM	P5.14	
P5.15	4TH FLOOR HALL						0.94	1.26		20	1/2"C,1#12,#12N,#12G	RCPT - ROOF	P5.16	
P5.17	CONDENSING UNIT 'CU-1'	1/2"C,2#12,#12G	20		0.94	3.02		0.94	3.02	40	1/2"C,2#8,#10G	HEAT PUMP 'HP-1'	P5.18	
P5.19	3RD FLOOR HALL				0.94	3.02						2ND LOBBY	P5.20	
P5.21	CONDENSING UNIT 'CU-1'	1/2"C,2#12,#12G	20			0.94	3.02		0.94	3.02	40	1/2"C,2#8,#10G	HEAT PUMP 'HP-3'	P5.22
P5.23	2ND FLOOR HALL											3RD LOBBY	P5.24	
P5.25	CONDENSING UNIT 'CU-1'	1/2"C,2#12,#12G	20		0.94	3.02				40	1/2"C,2#8,#10G	HEAT PUMP 'HP-3'	P5.26	
P5.27	BASEMENT					0.94	3.02					4TH LOBBY	P5.28	
P5.29										40	1/2"C,2#8,#10G	HEAT PUMP 'HP-4'	P5.30	
P5.31	ELEVATOR	1"C,3#4,#8G	70		4.2	3.02				40	1/2"C,2#8,#10G	5TH LOBBY	P5.32	
P5.33							4.2	3.02					P5.34	
P5.35	LTS - ELEVATOR HOISTWAY	1/2"C,1#12,#12N,#12G	20			4.2	3.08			40	1/2"C,2#8,#10G	BLOWER COIL 'BC-1'	P5.36	
P5.37	LTS - 5TH FLR COMMONS	1/2"C,1#12,#12N,#12G	20		0.46	0.75		0.03	3.28	40	1/2"C,2#8,#10G	5TH HALL	P5.38	
P5.39	FIRE/SMOKE DAMPER	1/2"C,1#12,#12N,#12G	20	L		1.08	0.75			20	1/2"C,2#12,#12G	EWB-6 - STAIR	P5.40	
P5.41	ELEVATOR CAB LIGHTS	1/2"C,1#12,#12N,#12G	20				0	0.36		20	1/2"C,1#12,#12N,#12G	ELEVATOR SHUNT TRIP	P5.42	
P5.43	FUTURE RADON FANS	--	--		0	0				20	--	Spare	P5.44	
P5.45	Space	--	--		--	0				20	--	Spare	P5.46	
P5.47	Space	--	--		--	--	--	--	--	20	--	Spare	P5.48	
P5.49	Space	--	--		--	--	--	--	--	20	--	Spare	P5.50	
P5.51	Space	--	--		--	--	--	--	--	20	--	Spare	P5.52	
P5.53	Space	--	--		--	--	--	--	--	20	--	Spare	P5.54	
					Connecte...	24 KVA	25 KVA	22 KVA						
					Connecte...	202 A	207 A	184 A						

Panelboard: H1		Voltage: 208 V, 3 Ø, 4 W	
Location: BASEMENT		Bus Rating: 600 A	
Supply: Utility Transformer		Neutral: 100%	
Mounting: Surface		Main's Type: MLO	
Enclosure: NEMA 1		Main's Rating: 600 A	
Features & Modifications: INTERNAL SURGE PROTECTION		Mains FN/Note: -	
		SCCR: 65 kA	

Ckt	Description	Frame (A)	Trip (A)	Poles	FN/Note	Load
H1:1	P0	225	225	3		50892
H1:2	P1	150	150	3		31280
H1:3	P2	100	100	3		24779
H1:4	P5	225	225	3		70611
H1:5	PROVISIONAL 225A SPACE	--	--	1		--
H1:6	PROVISIONAL 225A SPACE	--	--	1		--

Load Summary				Panel Totals	
Load Classification	Connected	Factor	Demand		
Motor	14045 VA	109.62%	15396 VA	Connected Load: 178 kVA	
Other	13360 VA	100.00%	13360 VA	Connected Current: 493 A	
Lighting - Interior	4609 VA	125.00%	5761 VA	Demand Load: 199 kVA	
Receptacle - General	16920 VA	79.55%	13460 VA	Demand Current: 554 A	
Receptacle - Dedicated	4800 VA	100.00%	4800 VA	Non-Coincident... 548.8 A	
Electric Heat	91468 VA	125.00%	114335 VA	Total Est. Demand ... 498.8 A	
Elevator	12600 VA	100.00%	12600 VA		
Cooling	19760 VA	100.00%	19760 VA		

Panelboard: P0				Voltage: 208 V, 3Ø, 4W				Main Type: MLO			
				Bus Rating: 225 A				Mains Rating: 225 A			
Location: BASEMENT				Neutral: 100%				Mains FN>Note: -			
Supply: H1				Feed-Thru Lugs: No				SCCR: 42 kA			
Mounting: Surface				Features & Modifications: INTERNAL SURGE PROTECTION							
Enclosure: NEMA 1											

Panelboard: P1

Location: IT 109

Supply: H1

Mounting: Surface

Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W

Bus Rating: 150 A

Neutral: 100%

Feed-Thru Lugs: Yes

Features & Modifications: INTERNAL SURGE PROTECTION

Mains Type: MLO

Mains Rating: 150 A

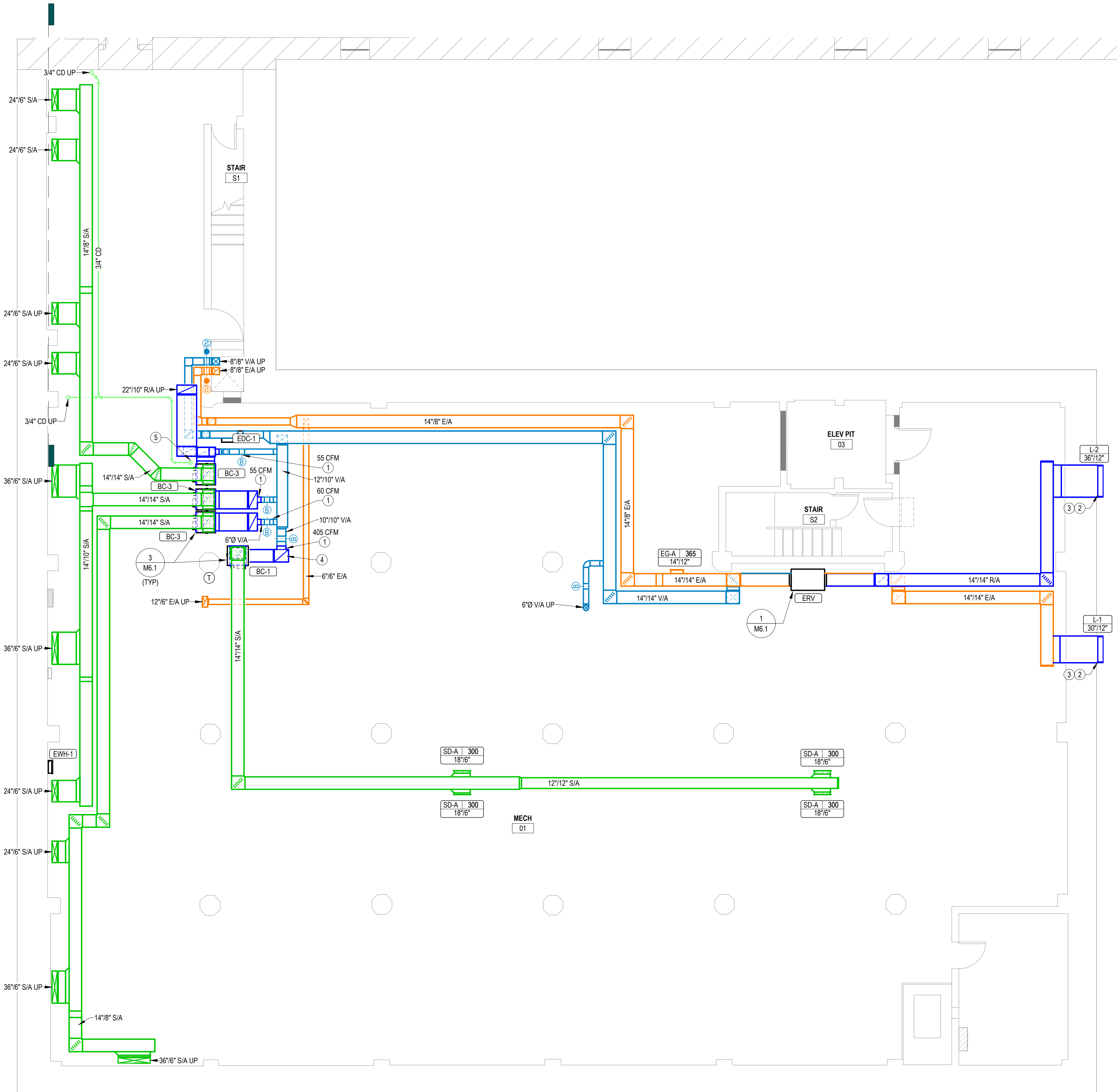
Mains FNNote: -

SCCR: 42 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA	B KVA	C KVA	FN	Trip (A)	Circuitry	Description	Ckt
P1-1	LTS - 1ST FLR W. LOBBY/COMMUNITY	1/2"C,1#12,1#12N,1#12G	20		0.13	1.2			20	1/2"C,1#12,1#12N,1#12G	RCPT - TELECOMM BACKBOARD	P1-2
P1-3	LTS - EXTERIOR	1/2"C,1#12,1#12N,1#12G	20			0.77	1.2		20	1/2"C,1#12,1#12N,1#12G	RCPT - TELECOMM BACKBOARD	P1-4
P1-5	EXTERIOR LIGHTING CONTROLS	1/2"C,1#12,1#12N,1#12G	20				0	0.36	20	1/2"C,1#12,1#12N,1#12G	RCPT - COMMUNITY COUNTERTOP	P1-6
P1-7	LST - 1ST FLR, HALL/ELEV LOBBY	1/2"C,1#12,1#12N,1#12G	20		0.23	0.36			20	1/2"C,1#12,1#12N,1#12G	RCPT - COMMUNITY COUNTERTOP	P1-8
P1-9	RCPT - LOBBY 101	1/2"C,1#12,1#12N,1#12G	20			0.36	0.18		20	1/2"C,1#12,1#12N,1#12G	RCPT - COMMUNITY REFRIGERATOR	P1-10
P1-11	RCPT - 107, 110, 112, 113	1/2"C,1#12,1#12N,1#12G	20				1.08	0.36	20	1/2"C,1#12,1#12N,1#12G	RCPT - COMMUNITY ISLAND	P1-12
P1-13	BLOWER COIL 'BC-2'	1/2"C,1#12,1#12N,1#12G	20		4	0.54			20	1/2"C,1#12,1#12N,1#12G	RCPT - COMMUNITY ROOM	P1-14
P1-15	1ST HALL									1/2"C,1#12,1#12N,1#12G		
P1-17		3/4"C,2#6,10#10G	50			4	0.18		20		HHW-B	P1-16
P1-19	EWB-H - ELEV LOBBY 113	1/2"C,2#12,1#12G	20		0.75	0	0.75	0	20	--	Spare	P1-18
P1-21	FIRE ALARM CONTROL PANEL - MECH 110	1/2"C,1#12,1#12N,1#12G	20	L		0.36	--	--	--	--	Spare	P1-20
P1-23	Space	--	--	--	--	--	--	--	--	--	Space	P1-22
P1-25	Space	--	--	--	--	--	--	--	--	--	Space	P1-24
P1-27	Space	--	--	--	--	--	--	--	--	--	Space	P1-26
P1-29	Space	--	--	--	--	--	--	--	--	--	Space	P1-28
P1-31	Space	--	--	--	--	--	--	--	--	--	Space	P1-30
P1-33	Space	--	--	--	--	--	--	--	--	--	Space	P1-32
P1-35	Space	--	--	--	--	--	--	--	--	--	Space	P1-34
P1-37	Space	--	--	--	--	--	--	--	--	--	Space	P1-36
P1-39	Space	--	--	--	--	--	--	--	--	--	Space	P1-38
											Space	P1-40
											Space	P1-42
Connect...					13 kVA	12 kVA	6 kVA	(Includes load connected via feed-thru lugs.)				
Connect...					119 A	112 A	47 A					

Panelboard: P2			Voltage: 208 V, 3Ø, 4W			Maine Type: MLO		
Location: IT 209			Bus Rating: 225 A			Maine Rating: 150 A		
Supply: P1			Neutral: 100%			Mains FNNote: -		
Mounting: Surface			Feed-Thru Lugs: No			SCCR: 42 kA		
Enclosure: NEMA 1			Features & Modifications: INTERNAL SURGE PROTECTION					





1 BASEMENT HVAC PLAN
3/16" = 1'-0"

GENERAL MECHANICAL NOTES

- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- BASE BID: ALL EXPOSED DUCTWORK SHALL BE SPIRAL DOUBLE WALL INSULATED DUCT WITH MILL PHOSPHATIZED EXTERIOR, PERFORATED GALVANIZED LINER, AND 1" INSULATED AIR GAP, MANUFACTURED TO 1985 SMACNA STANDARDS.
- DEDUCT ALTERNATE: PROVIDE ALTERNATE PRICING FOR ALL EXPOSED DUCTWORK TO BE SINGLE WALL SPIRAL. SEE SPECIFICATIONS FOR MORE INFORMATION.
- ALL EXPOSED SPIRAL DUCT MOUNTED AS HIGH AS POSSIBLE BELOW STRUCTURE, UTILIZING CABLE HANGING SYSTEM EQUAL TO DUCTMATE CLUTCHER. SEE DETAIL 6M6.1 FOR ADDITIONAL INFORMATION.

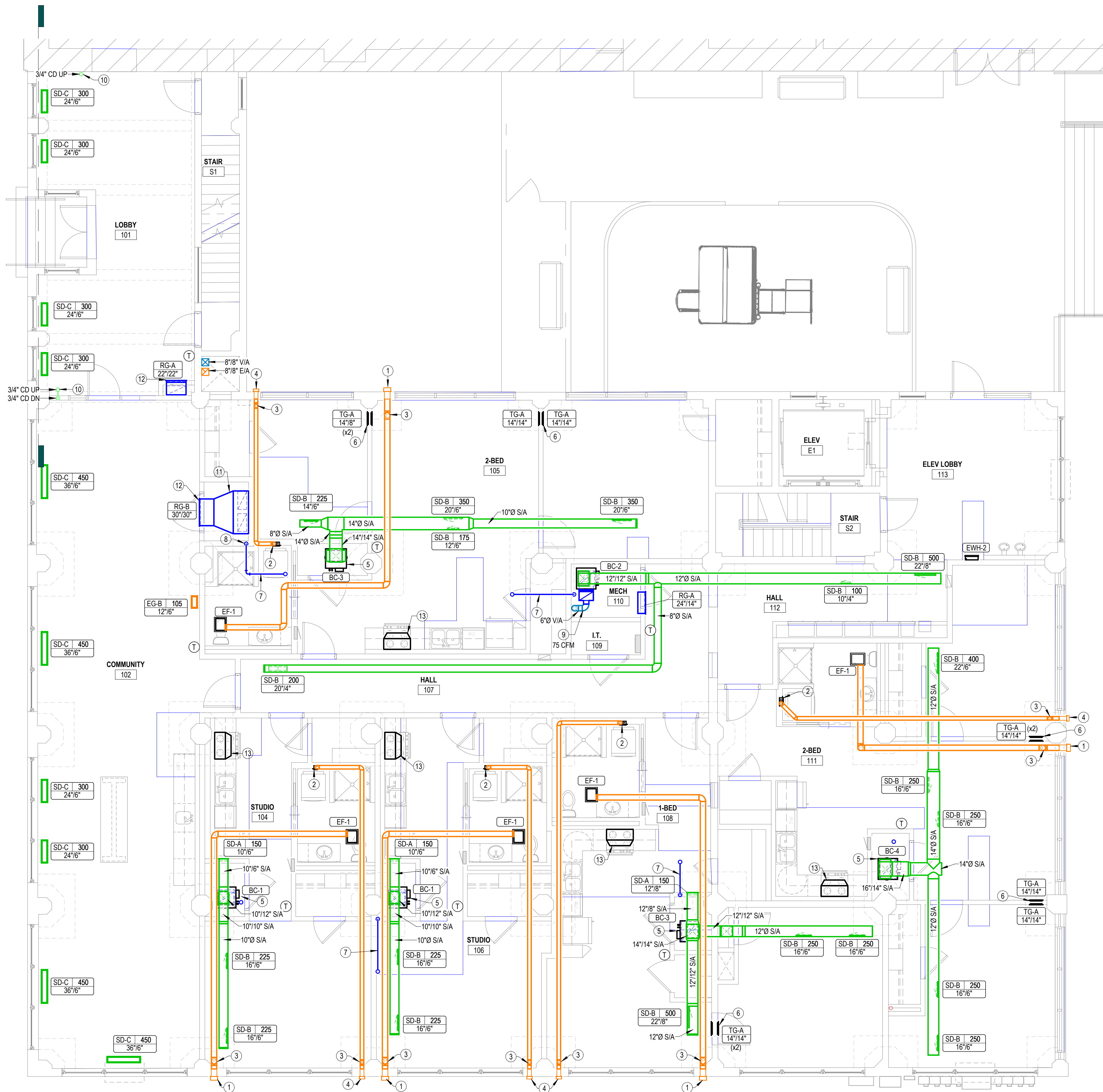
NOTES BY SYMBOL

- CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT, PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS, SEE DETAIL 3M6.1 FOR MORE INFORMATION.
- PROVIDE FULL SIZED DUCT CONNECTION AT LOUVER AND SLOPE DUCT TOWARDS EXTERIOR.
- LOUVER TO BE LOCATED IN PLACE OF EXISTING LOUVER, COORDINATE EXACT LOUVER LOCATION AND WALL OPENING REQUIREMENTS WITH ARCHITECT, G.C., AND STRUCTURAL ENGINEER.
- 14"x16" OPEN ENDED DUCT, SEE DETAIL 3M6.1 FOR MORE INFORMATION.
- ROUTE CONDENSE PIPING DOWN TO FLOOR DRAIN, TERMINATE WITH ELBOW DOWN.



REVISIONS:

DATE: 09/24/2025
JOB: 22-3243
SHEET NO.:



1 FIRST FLOOR HVAC PLAN
3/16" = 1'-0"

GENERAL MECHANICAL NOTES

- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- BASE BID: ALL EXPOSED DUCTWORK SHALL BE SPIRAL DOUBLE WALL INSULATED DUCT WITH MILL PHOSPHATIZED EXTERIOR, PERFORATED GALVANIZED LINER, AND 1" INSULATED AIR GAP, MANUFACTURED TO 1985 SMACNA STANDARDS.
- DEDUCT ALTERNATE: PROVIDE ALTERNATE PRICING FOR ALL EXPOSED DUCTWORK TO BE SINGLE WALL SPIRAL. SEE SPECIFICATIONS FOR MORE INFORMATION.
- ALL EXPOSED SPIRAL DUCT MOUNTED AS HIGH AS POSSIBLE BELOW STRUCTURE, UTILIZING CABLE HANGING SYSTEM EQUAL TO DUCTMATE CLUTCHER. SEE DETAIL 6/M6.1 FOR ADDITIONAL INFORMATION.

NOTES BY SYMBOL

- PROVIDE BRICK VENT EQUAL TO GREENHECK MODEL BVE808. ROUTE 6" Ø EXHAUST DUCT FROM FAN AND TRANSITION TO CONNECTION AT BRICK VENT. COORDINATE EXACT LOCATION AND WALL INVENING REQUIREMENTS WITH ARCH. AND G.C.
- 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 WALL CAP WITH BACKDRAFT DAMPER. SEE OVERALL MECHANICAL PLANS FOR UNIT SPECIFIC ROUTING. 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.
- OFFSET DUCT DOWN TO PENETRATE EXTERIOR WALL BELOW STRUCTURAL BEAM. COORDINATE EXACT LOCATION WITH ARCHITECT AND G.C.
- PROVIDE LOUVERED DRYER EXHAUST CAP WITH BIRD BARS, DEFLECTOR OR EQUIVALENT.
- ROUTE REFRIGERANT PIPING FROM BLOWER COIL TO CONDENSING UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE ME1.1 FOR CONDENSING UNIT LOCATIONS.
- MOUNT TRANSFER GRILLE IN BEDROOM 6" BELOW CEILING AND MOUNT TRANSFER GRILLE 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.
- ROUTE REFRIGERANT PIPING CONCEALED ABOVE CEILING/IN SOFFIT. MAINTAIN A MINIMUM CLEARANCE OF 1.5" FROM THE EDGE OF FRAMING MEMBERS. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO MAINTAIN CONTINUOUS CLEARANCE. REFRIGERANT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE STANDARD 15.
- ROUTE REFRIGERANT PIPING CONCEALED IN WALL INDICATED. MAINTAIN A MINIMUM CLEARANCE OF 1.5" FROM THE EDGE OF WALL FRAMING. PROVIDE SUPPORTS WITHIN THE WALL TO MAINTAIN CONTINUOUS CLEARANCE. REFRIGERANT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE STANDARD 15.
- CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS, SEE DETAIL 3/M6.1 FOR MORE INFORMATION.
- EXPOSED CONDENSATE PIPING TO BE COPPER. COORDINATE EXACT ROUTING WITH ARCHITECT.
- MAKE TRANSITION TO ALLOW CONNECTION OF (2) 20" X 10" RETURN AIR DUCTS FROM BASEMENT AT BACK OF CLOSET.
- RETURN GRILLE HIGH ON WALL. COORDINATE EXACT LOCATION WITH ARCHITECT.
- RANGE HOOD PROVIDED BY OTHER.

LEE LOFTS, PHASE III, BUILDING 3

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

SALINA,

KANSAS



REVISIONS:

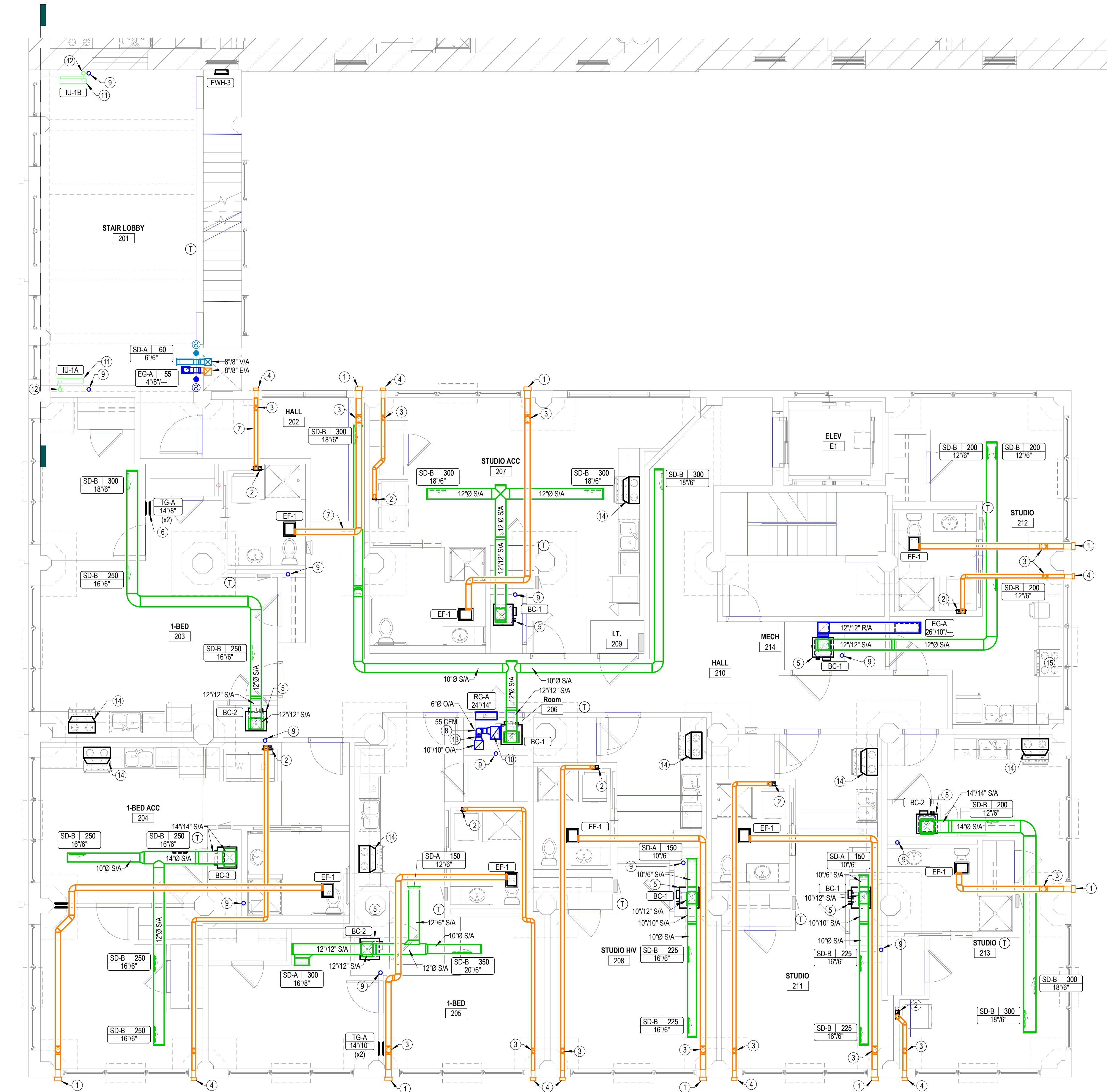
DATE: 09/24/2025
JOB: 22-3243
SHEET NO.:

M1.2

COPYRIGHT ©

JonesGillamRenz
1881 Main Street, Suite 301
Salina, KS 67401
785.827.0386
jgr@jgarchitects.com





1 SECOND FLOOR HVAC PLAN
3/16" = 1'-0"

GENERAL MECHANICAL NOTES

- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- BASE BID: ALL EXPOSED DUCTWORK SHALL BE SPIRAL DOUBLE WALL INSULATED DUCT WITH MILL PHOSPHATIZED EXTERIOR, PERFORATED GALVANIZED LINER, AND 1" INSULATED AIR GAP, MANUFACTURED TO 1985 SMACNA STANDARDS.
- DEDUCT ALTERNATE: PROVIDE ALTERNATE PRICING FOR ALL EXPOSED DUCTWORK TO BE SINGLE WALL SPIRAL. SEE SPECIFICATIONS FOR MORE INFORMATION.
- ALL EXPOSED SPIRAL DUCT MOUNTED AS HIGH AS POSSIBLE BELOW STRUCTURE, UTILIZING CABLE HANGING SYSTEM EQUAL TO DUCTMATE CLUTCHER. SEE DETAIL 6M6.1 FOR ADDITIONAL INFORMATION.

NOTES BY SYMBOL

- PROVIDE BRICK VENT EQUAL TO GREENHECK MODEL BVE808. ROUTE 6" Ø EXHAUST DUCT FROM FAN AND TRANSITION TO CONNECTION AT BRICK VENT. COORDINATE EXACT LOCATION AND WALL OPENING REQUIREMENTS WITH ARCH. AND G.C.
- PROVIDE UL LISTED DRYER BOX EQUAL TO IN-Q-VATE TECHNOLOGIES IN WALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4" Ø DRYER EXHAUST DUCT TO WALL CAP WITH BACKDRAFT DAMPER. SEE OVERALL MECHANICAL PLANS FOR UNIT SPECIFIC ROUTING. 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.
- OFFSET DUCT DOWN TO PENETRATE EXTERIOR WALL BELOW STRUCTURAL BEAM. COORDINATE EXACT LOCATION WITH ARCHITECT AND G.C.
- PROVIDE LOUVERED DRYER EXHAUST CAP WITH BIRD BARS, DEFLECTO OR EQUIVALENT.
- ROUTE REFRIGERANT PIPING FROM BLOWER COIL TO CONDENSING UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE ME1.1 FOR CONDENSING UNIT LOCATIONS.
- MOUNT TRANSFER GRILLE IN BEDROOM 6" BELOW CEILING AND MOUNT TRANSFER GRILLE 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.
- ROUTE DUCT CONCEALED IN SOFFIT, COORDINATE WITH ARCHITECT.
- CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS. SEE DETAIL 3M6.1 FOR MORE INFORMATION.
- ROUTE REFRIGERANT PIPING CONCEALED IN WALL INDICATED. MAINTAIN A MINIMUM CLEARANCE OF 1.5" FROM THE EDGE OF WALL FRAMING. PROVIDE SUPPORTS WITHIN THE WALL TO MAINTAIN CONTINUOUS CLEARANCE. REFRIGERANT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE STANDARD 15.
- 14"x10" OPEN ENDED DUCT, SEE DETAIL 3M6.1 FOR MORE INFORMATION.
- CONNECT INDOOR UNIT CONDENSATE DRAIN TO 3/4" CONDENSATE DRAIN IN WALL.
- 3/4" CONDENSATE DRAIN CONCEALED IN WALL ROUTED DOWN TO BASEMENT. PROVIDE COMBINATION FIRE AND SMOKE DAMPER WHERE OUTDOOR AIR DUCT PENETRATES CHASE.
- RANGE HOOD PROVIDED BY OTHER.
- DOWNDRAFT RANGE HOOD BY OTHERS.

LEE LOFTS, PHASE III, BUILDING 3

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

SALINA,

KANSAS



REVISIONS:

DATE: 09/24/2025
JOB: 22-3243
SHEET NO.:

M1.3

COPYRIGHT ©

JonesGillamRenz
1881 Main Street, Suite 301
Salina, KS 67401
785.827.0386
jgr@jgarchitects.com

JGR



KANSAS

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

SALINA,

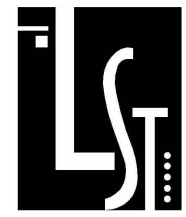
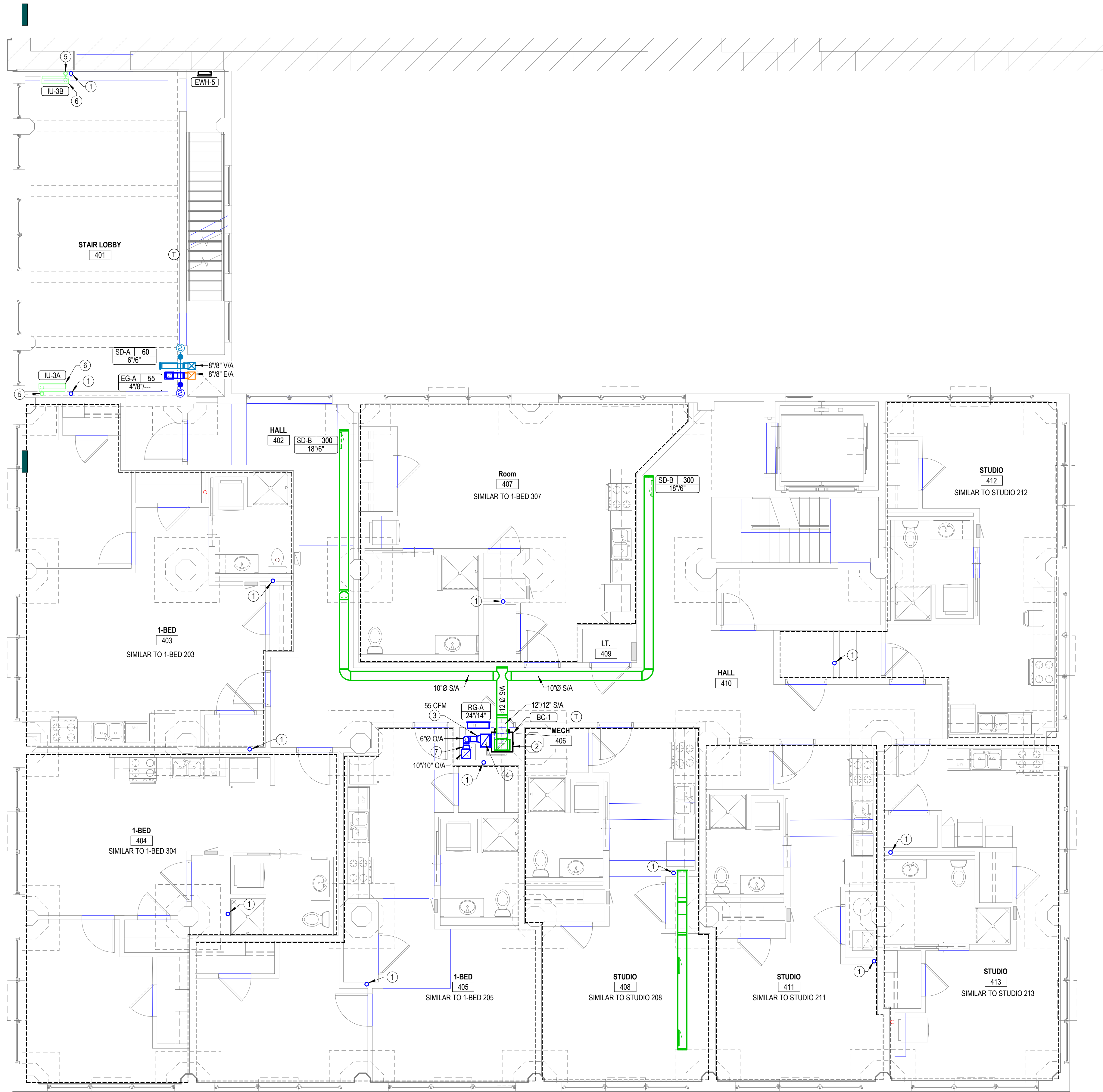


M1.4

COPYRIGHT ©

1 FOURTH FLOOR HVAC PLAN

3/16" = 1'-0"



LST Consulting Engineers, PA
MANHATTAN
4809 Vie Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
www.LSTengineers.com
mail@LSTengineers.com
WICHITA
125 S. Washington, Suite 150
Wichita, KS 67202
316.285.0696
Project 25040
09/24/2025

GENERAL MECHANICAL NOTES

- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- BASE BID: ALL EXPOSED DUCTWORK SHALL BE SPIRAL DOUBLE WALL INSULATED DUCT WITH MILL PHOSPHATIZED EXTERIOR, PERFORATED GALVANIZED LINER, AND 1" INSULATED AIR GAP, MANUFACTURED TO 1985 SMACNA STANDARDS.
- DEDUCT ALTERNATE: PROVIDE ALTERNATE PRICING FOR ALL EXPOSED DUCTWORK TO BE SINGLE WALL SPIRAL. SEE SPECIFICATIONS FOR MORE INFORMATION.
- ALL EXPOSED SPIRAL DUCT MOUNTED AS HIGH AS POSSIBLE BELOW STRUCTURE, UTILIZING CABLE HANGING SYSTEM EQUAL TO DUCTMATE CLUTCHER. SEE DETAIL 6.M6.1 FOR ADDITIONAL INFORMATION.

NOTES BY SYMBOL

- ROUTE REFRIGERANT PIPING CONCEALED IN WALL INDICATED. MAINTAIN A MINIMUM CLEARANCE OF 1.5" FROM THE EDGE OF WALL FRAMING. PROVIDE SUPPORTS WITHIN THE WALL TO MAINTAIN CONTINUOUS CLEARANCE. REFRIGERANT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH ASHRAE STANDARD 15.
- ROUTE REFRIGERANT PIPING FROM BLOWER COIL TO CONDENSING UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE ME1.1 FOR CONDENSING UNIT LOCATIONS.
- CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS, SEE DETAIL 3.M6.1 FOR MORE INFORMATION.
- 14"x10" OPEN ENDED DUCT. SEE DETAIL 3.M6.1 FOR MORE INFORMATION.
- 3/4" CONDENSATE DRAIN CONCEALED IN WALL ROUTED DOWN TO BASEMENT.
- CONNECT INDOOR UNIT CONDENSATE DRAIN TO 3/4" CONDENSATED DRAIN IN WALL.
- PROVIDE COMBINATION FIRE AND SMOKE DAMPER WHERE OUTDOOR AIR DUCT PENETRATES CHASE.

LEE LOFTS, PHASE III, BUILDING 3

HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

SALINA,

KANSAS



REVISIONS:

DATE: 09/24/2025

JOB: 22-3243

SHEET NO.:

M1.5

COPYRIGHTED ©

JGR
JonesGillamRenz
1881 Main Street, Suite 301
Salina, KS 67401
785.827.0386
jgr@jgarchitects.com



gr

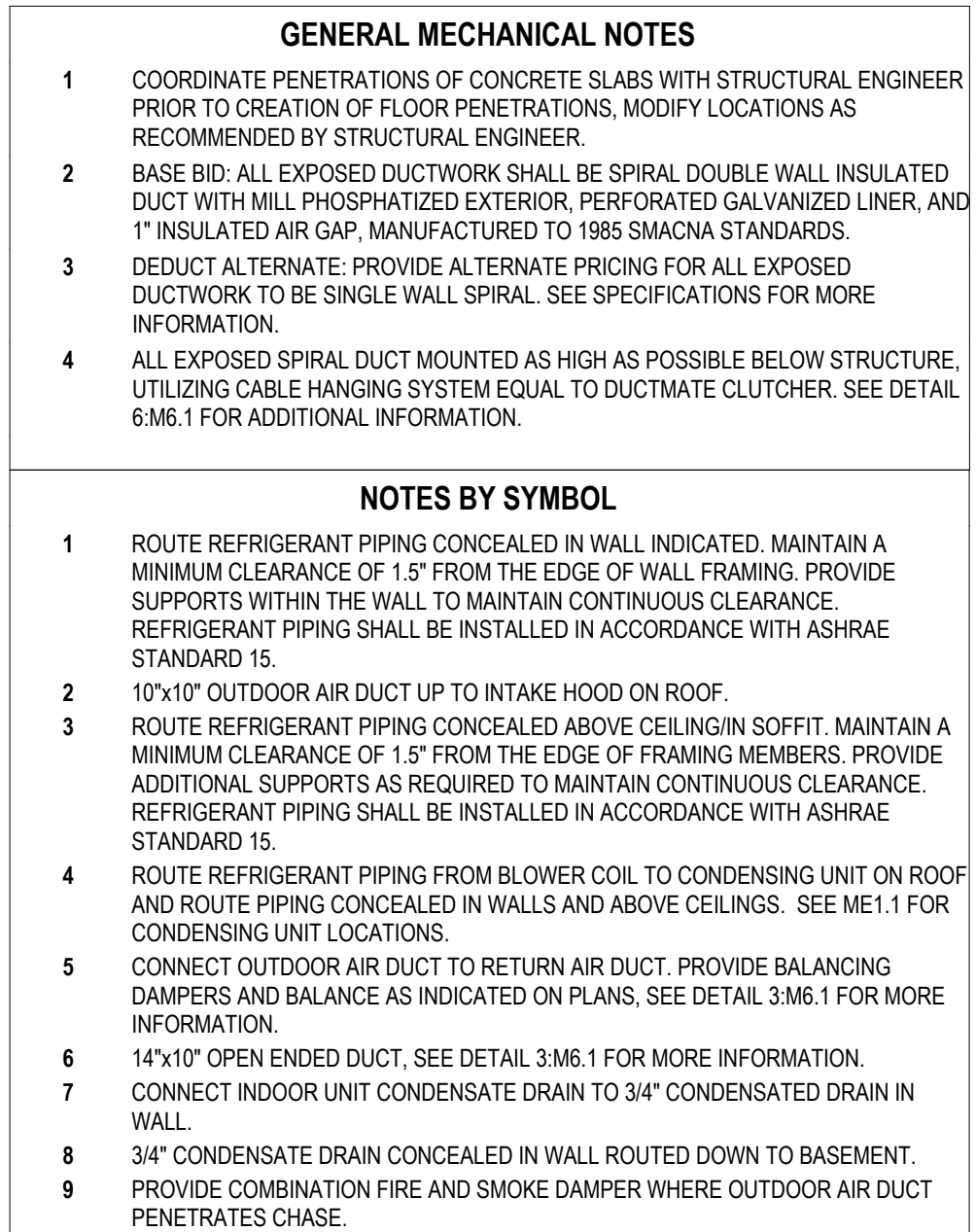
LEE LOFTS, PHASE III, BUILDING 3	
HISTORIC REHAB. (APARTMENTS, COMMERCIAL)	
SALINA,	KANSAS



DATE:	09/24/2025
DOB:	22-3243
SHEET NO.:	

M1.6

COPYRIGHTED ©



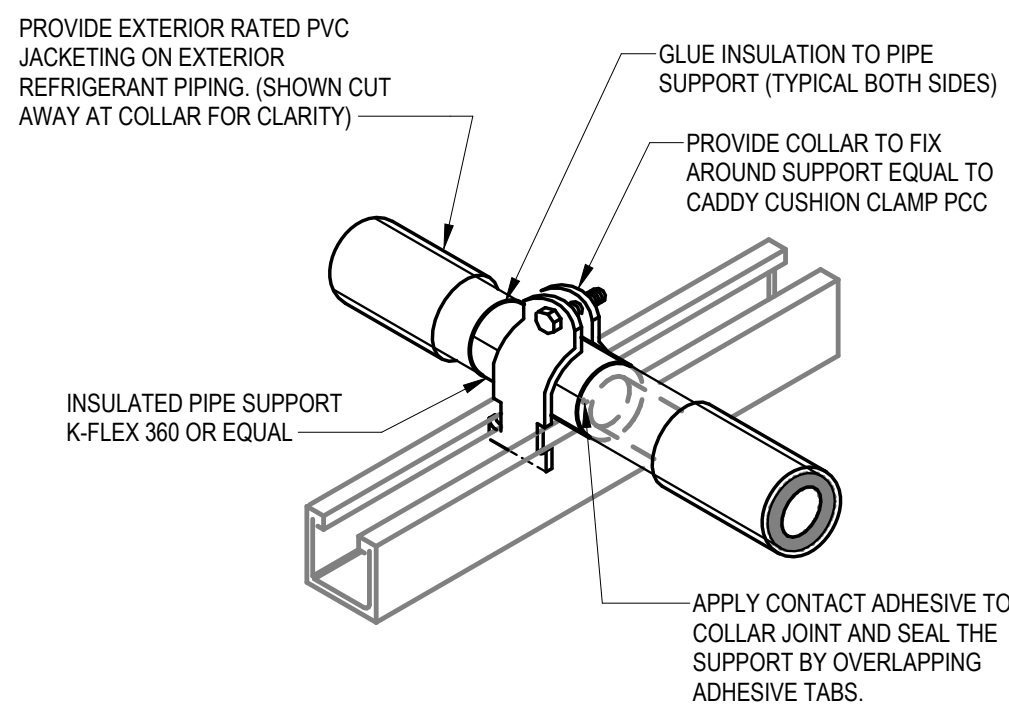
1

$$3/16'' = 1'-0''$$

ELECTRIC DUCT HEATER SCHEDULE

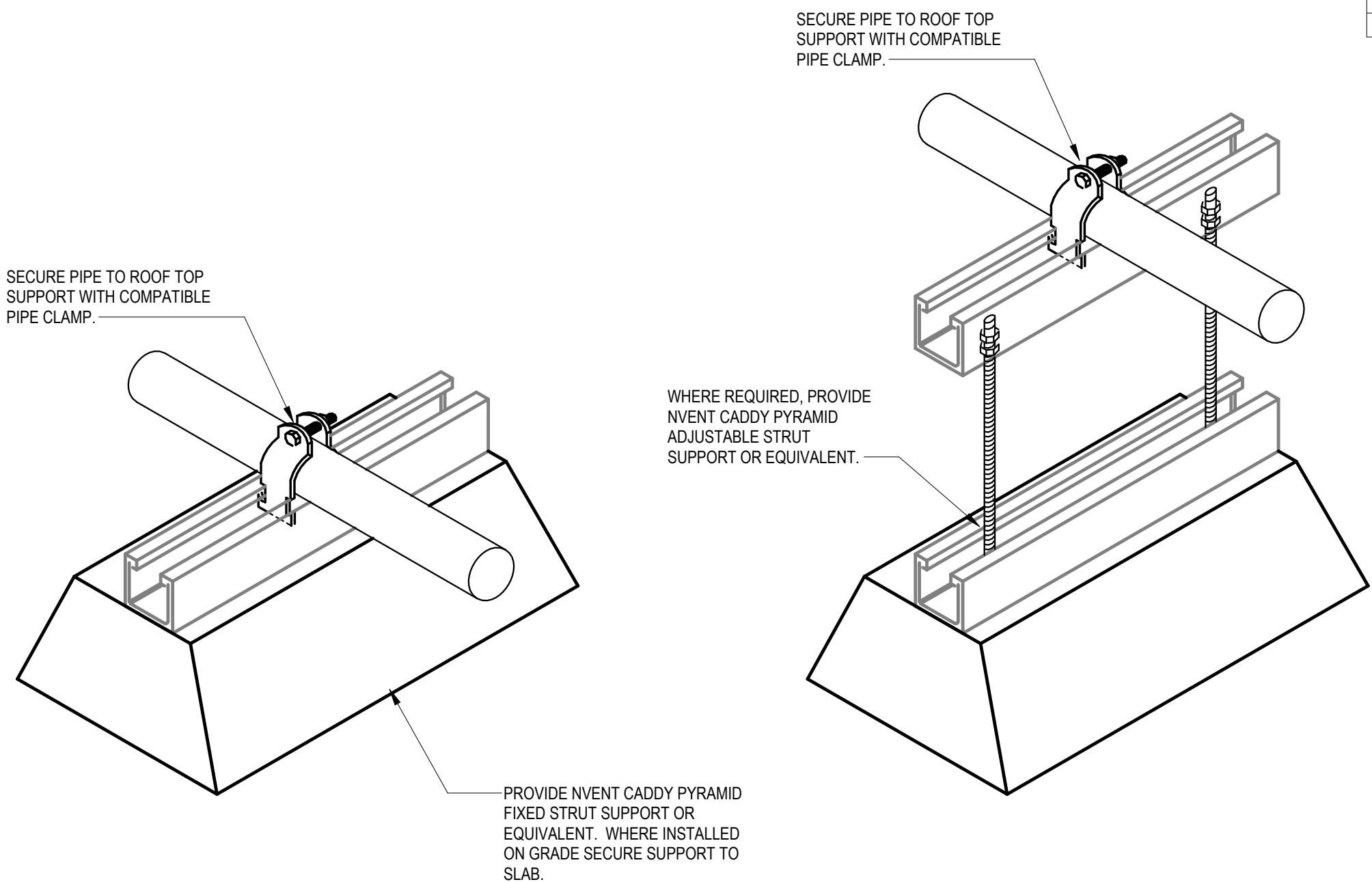
NOTES: 1. PROVIDE WITH CONTROL PANEL WITH INTEGRAL DISCONNECT SWITCH, THERMAL CUTOUTS, AIRFLOW SWITCH, AND CONTROL TRANSFORMER.
2. PROVIDE WITH SCR CONTROL.
3. PROVIDE WITH DUCT MOUNTED THERMOSTAT . SET TO DELIVER 70°F (ADJ.) AIR.

MARK	MANUFACTURER	MODEL	ELECTRIC HEAT	AIRFLOW	DUCT SIZE		System Voltage	PHASE	DESCRIPTION	NOTES
					HEIGHT	WIDTH				
EDC-1	INDEECO	QUZ	3.3 kW	240 CFM	8"	8"	208 V	1	ELECTRIC DUCT COIL HEATER	1,2,3



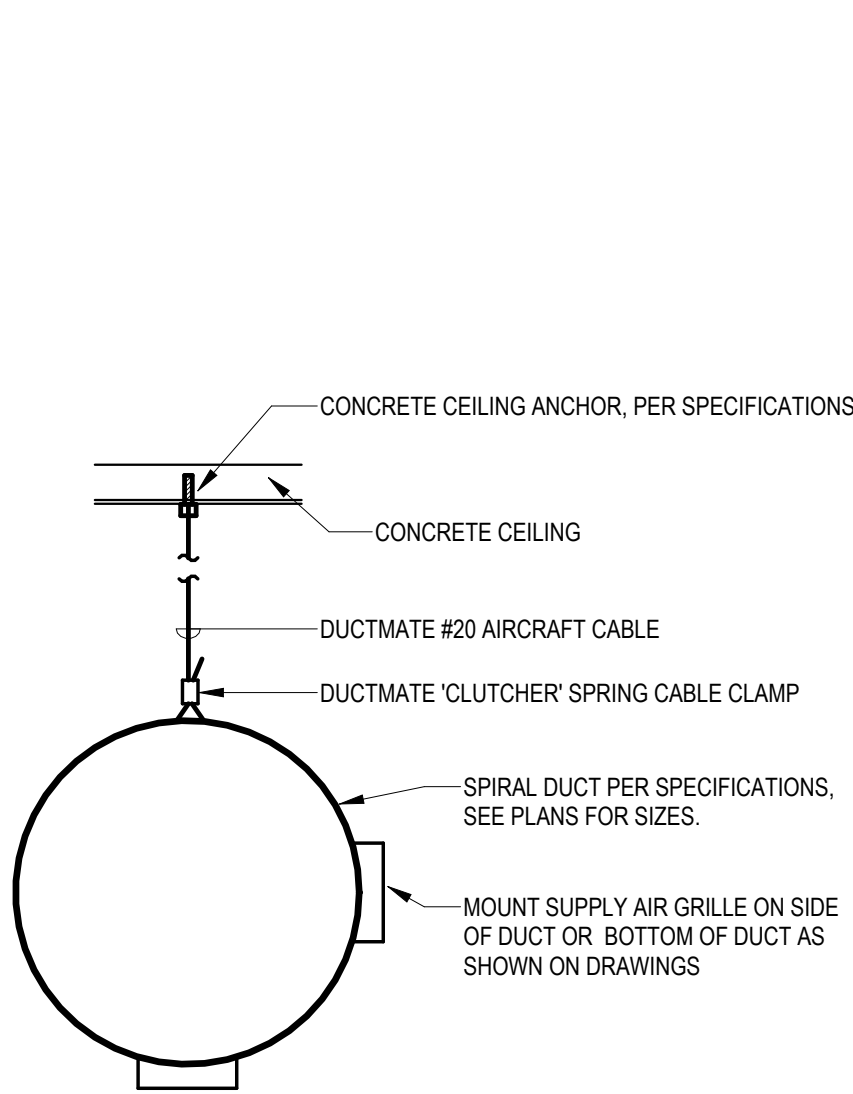
5 EXTERIOR REFRIGRANT PIPING INSULATION DETAIL

NO SCALE



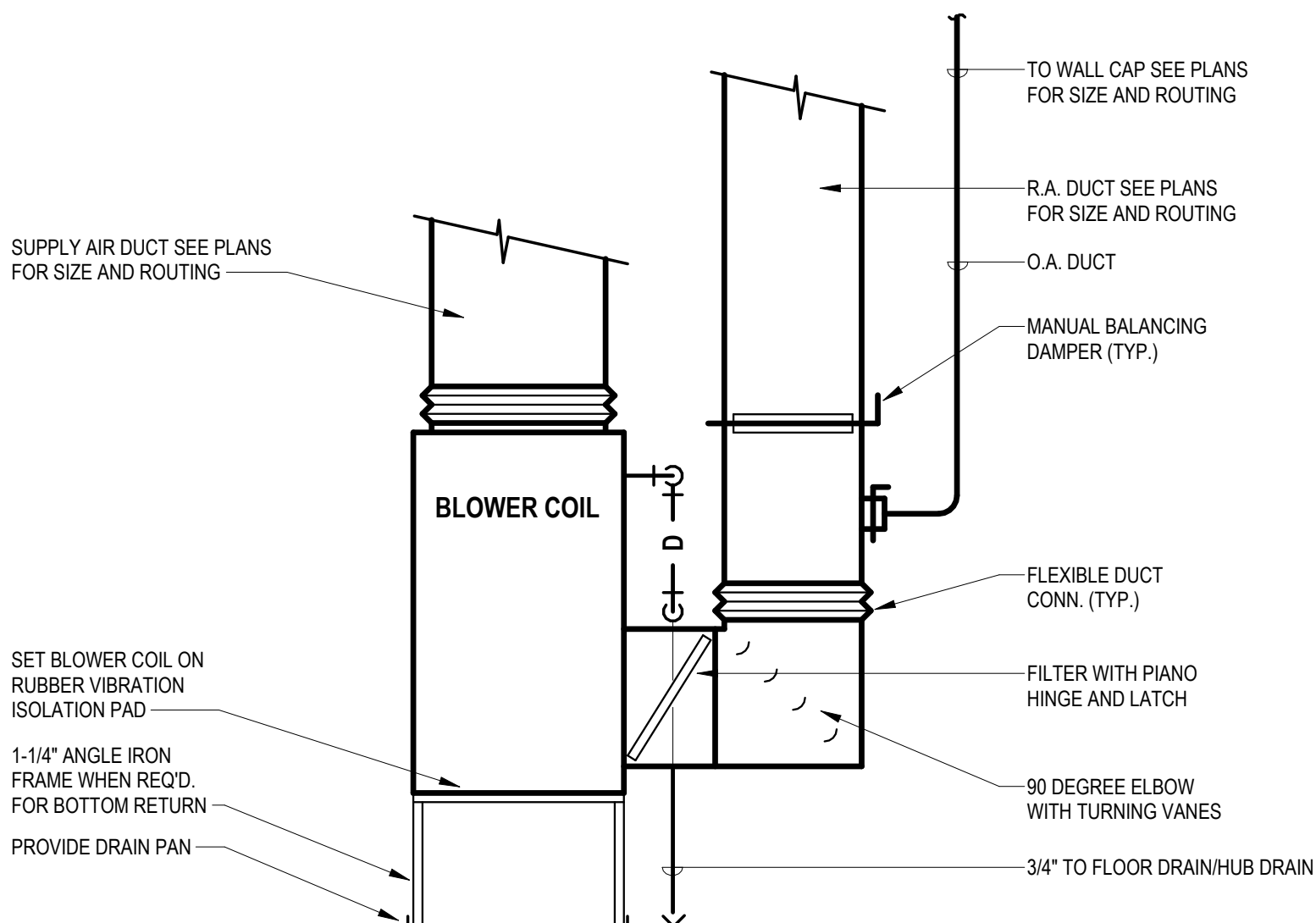
4 EXTERIOR PIPING SUPPORT DETAIL

NO SCALE



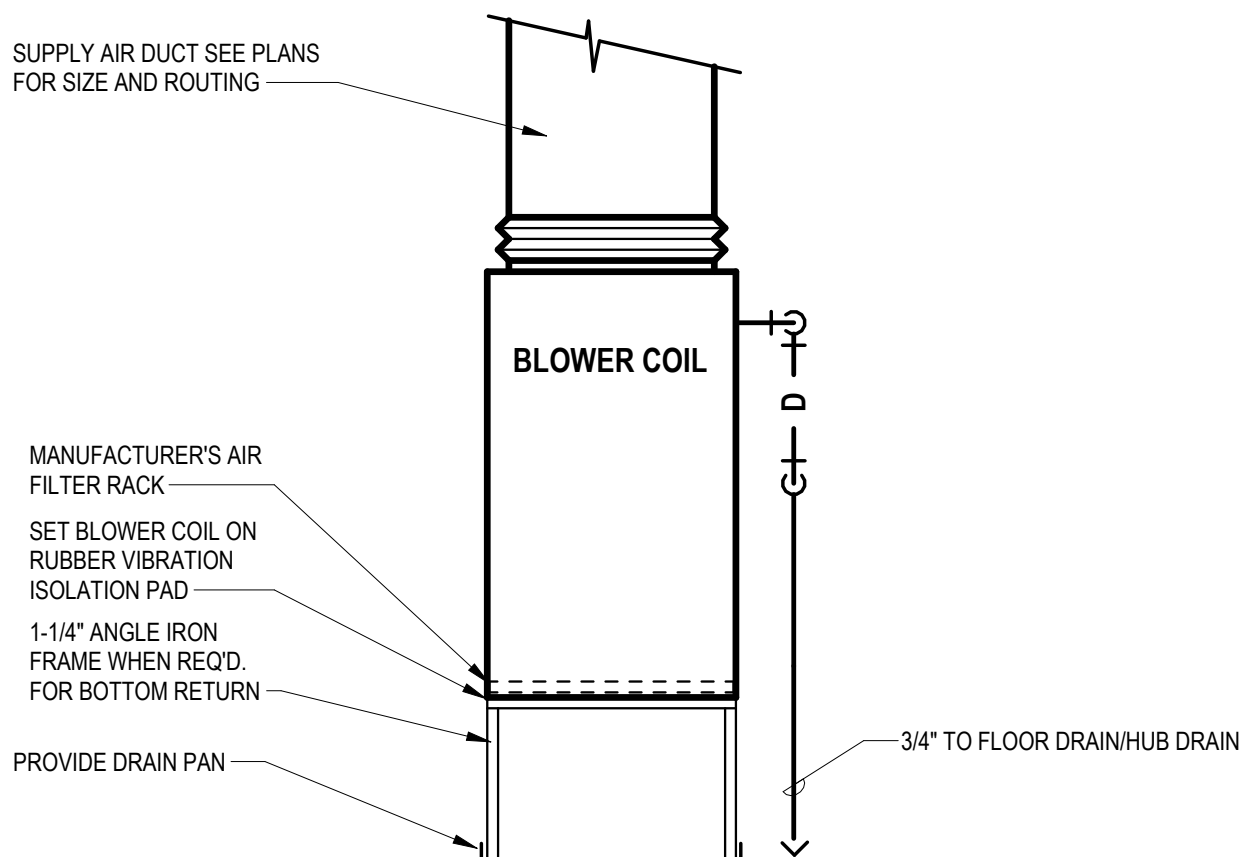
6 SPIRAL DUCT DETAIL

NO SCALE



3 BLOWER COIL DETAIL

NO SCALE



2 APARTMENT BLOWER COIL DETAIL

NO SCALE

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 INTEGRAL MOTORIZED DAMPERS.

MARK	MANUFACTURER	MODEL	SUPPLY AIRFLOW	SUPPLY ESP	EXHAUST AIRFLOW	EXHAUST ESP	SUMMER OA DB RH	SUMMER RA DB WB	SUMMER SA DB WB	WINTER OA DB RH	WINTER RA DB WB	WINTER SA DB WB	ELECTRICAL		WEIGHT
ERV	RENEWAIRE	HE10-JINV	0 CFM	1.00 in-wg	800 CFM	1.00 in-wg	101 °F 33%	75 °F 62 °F	84 °F 68 °F	3 °F 77%	70 °F 51 °F	47 °F 33 °F	208 V	1 3.9 A 15.0 A	204 lb

MINI-SPLIT HEAT PUMP INDOOR UNIT SCHEDULE

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

MARK	MANUFACTURER	MODEL	TYPE	Sens. Cooling	Heating Cap.
IU-1A	DAIKIN	FX18N1L	FLOOR-MOUNTED INDOOR UNIT	11,360 Btu/h	5,719 Btu/h
IU-1B	DAIKIN	FX18N1L	FLOOR-MOUNTED INDOOR UNIT	11,360 Btu/h	5,719 Btu/h
IU-2A	DAIKIN	FX18N1L	FLOOR-MOUNTED INDOOR UNIT	11,360 Btu/h	5,719 Btu/h
IU-2B	DAIKIN	FX18N1L	FLOOR-MOUNTED INDOOR UNIT	11,360 Btu/h	5,719 Btu/h
IU-3A	DAIKIN	FX18N1L	FLOOR-MOUNTED INDOOR UNIT	11,360 Btu/h	5,719 Btu/h
IU-3B	DAIKIN	FX18N1L	FLOOR-MOUNTED INDOOR UNIT	11,360 Btu/h	5,719 Btu/h
IU-4A	DAIKIN	FX18N1L	FLOOR-MOUNTED INDOOR UNIT	11,360 Btu/h	5,719 Btu/h
IU-4B	DAIKIN	FX18N1L	FLOOR-MOUNTED INDOOR UNIT	11,360 Btu/h	5,719 Btu/h

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.

MARK	MANUFACTURER	MODEL	TYPE	NOMINAL CAPACITY	VPh	MCA	MOCP
HP-1	DAIKIN	MXZ-SD36N1L	Heat Pump System	3.00 ton	208 V/1	29.0 A	49.0 A
HP-2	DAIKIN	MXZ-SD36N1L	Heat Pump System	3.00 ton	208 V/1	29.0 A	49.0 A
HP-3	DAIKIN	MXZ-SD36N1L	Heat Pump System	3.00 ton	208 V/1	29.0 A	49.0 A
HP-4	DAIKIN	MXZ-SD36N1L	Heat Pump System	3.00 ton	208 V/1	29.0 A	49.0 A

ELECTRIC CABINET HEATER SCHEDULE

Notes:
1. Provide with high temp. thermal cutout and fan delay.
2. Provide with integral thermostat and unit mounted disconnect switch.
3. Provide with surface mount or recessed frame as required. Field coordinate exact requirements with existing conditions and Arch.

Mark	Manufacturer	Model	Watts	Voltage	Phase	Description	Notes
EWH-1	Trane	UHWA	5.0 kW	208 V	1	Architectural fan forced wall heater	
EWH-2	Trane	UHWA	1.5 kW	208 V	1	Architectural fan forced wall heater	
EWH-3	Trane	UHWA	1.5 kW	208 V	1	Architectural fan forced wall heater	
EWH-4	Trane	UHWA	1.5 kW	208 V	1	Architectural fan forced wall heater	
EWH-5	Trane	UHWA	1.5 kW	208 V	1	Architectural fan forced wall heater	
EWH-6	Trane	UHWA	1.5 kW	208 V	1	Architectural fan forced wall heater	

LOUVER SCHEDULE

NOTES: COORDINATE FRAME TYPE AND MOUTING REQUIREMENTS WITH ARCH. AND G.C.

MARK	MANUFACTURER	MODEL	DESCRIPTION	FINISH	SCREEN	DEPTH	WIDTH	HEIGHT	FREE AREA
L-1	GREENHECK	ESD-435	ALUMINUM, DRAINABLE BLADE LOUVER	KYNAR, COLOR AS SELECTED BY ARCH.	BIRD	4"	2'-6"	1'-0"	0.87 SF
L-2	GREENHECK	ESD-435	ALUMINUM, DRAINABLE BLADE LOUVER	KYNAR, COLOR AS SELECTED BY ARCH.	BIRD	4"	3'-0"	1'-0"	1.58 SF

BLOWER COIL SCHEDULE

NOTES:
1. Single point connection required, coordinate the exact electrical requirements of equipment provided with E.C.
2. Electrical 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-7 filters.
5. Provide blower coil with manufacturer's integral refrigerant leak detection system.

MARK	MANUFACTURER	MODEL	FAN			ELECTRIC HEAT		ELECTRICAL			
			AIRFLOW	ESP	SPEED	CIRCUIT 1	CIRCUIT 2	VOLTAGE	PHASE	MCA 1	MCA 2
BC-1	TRANE	5TAM6C03AC21	600 CFM	0.50 in-wg	LOW	5.8 kW		208 V	1	39.0 A	20.0 A
BC-2	TRANE	5TAM6C04AC31	800 CFM	0.50 in-wg	LOW	7.2 kW		208 V	1	48.0 A	50.0 A
BC-3	TRANE	5TAM6D05AC31	1,200 CFM	0.50 in-wg	MEDIUM-LOW	7.2 kW		208 V	1	48.0 A	50.0 A
BC-4	TRANE	5TAM6D07AC51	1,400 CFM	0.50 in-wg	LOW	7.2 kW		208 V	1	52.0 A	22.0 A

CONDENSING UNIT 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				TOTAL	SEER2	PHASE	ELECTRICAL	
				EDB	EDB	EWB	SENSIBLE				MCA	MOCP
CU-1	TRANE	5TTR3018	1.5 ton	105 °F	75 °F	63 °F	13,300 Btu/h	16,100 Btu/h	13.4	1	9.0 A	20.0 A
CU-2	TRANE	5TTR3024	2.0 ton	105 °F	75 °F	63 °F	17,100 Btu/h	20,800 Btu/h	13.4	1	14.0 A	20.0 A
CU-3	TRANE	5TTR3036	3.0 ton	105 °F	75 °F	63 °F	22,300 Btu/h	29,700 Btu/h	13.4	1	18.0 A	30.0 A
CU-4	TRANE	5TTR3048	4.0 ton	105 °F	75 °F	63 °F	30,800 Btu/h	41,000 Btu/h	13.4	1	23.0 A	35.0 A

GRILLES, REGISTERS, & DIFFUSERS SCHEDULE

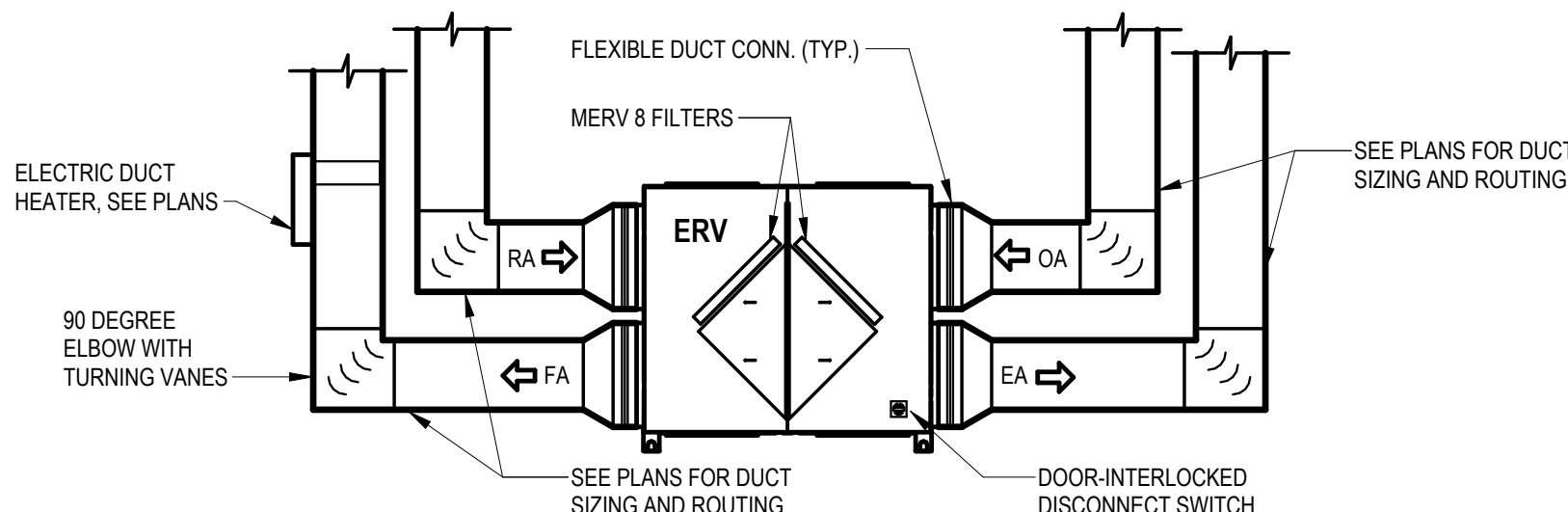
GENERAL NOTES: 1. PROVIDE MOUNTING FRAME AS REQUIRED FOR CEILING TYPE.
2. MAXIMUM NC SHALL BE 25.
3. RUNOUTS TO DIFFUSERS SHALL BE SAME SIZE AS NECK, U.N.O.
4. PAINT OBJECTS VISIBLE THROUGH GRILLES WITH FLAT BLACK PAINT.
5. COORDINAT LOCATIONS OF ALL WALL DEVICES WITH ARCHITECT.

MARK	MANUFACTURER	MODEL	APPLICATION				MOUNTING	DAMPER	DESCRIPTION	NOTES
			SUPPLY	RETURN	EXHAUST	TRANSFER				
EG-A	TITUS	350RL					Surface Mount	No	STEEL LOUVERED EXHAUST GRILLE. SIZE AS INDICATED ON DRAWINGS.	
EG-B	Titus	CT-480					Heavy Duty Floor Mounting Frame	No	HEAVY DUTY ALUMINUM LINEAR BAR GRILLE WITH 1/8" BARS SPACED AT 1/4" WITH 0° DEFLECTION. SIZE AS INDICATED ON PLANS.	
RG-A	TITUS	350RL					Surface Mount	No	STEEL LOUVERED RETURN GRILLE. SIZE AS INDICATED ON DRAWINGS.	
RG-B	TITUS	8SS					Surface Mount	No	STEEL PERFORATED 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	Yes	SPIRAL DUCT MOUNTED ALUMINUM DOUBLE DEFLECTION SUPPLY GRILLE WITH FRONT BLADES PARALLEL TO LONG DIMENSION. SIZE AS INDICATED ON DRAWINGS.	
SD-C	TITUS	CT-480					Heavy Duty Floor Mounting Frame	No	HEAVY DUTY ALUMINUM LINEAR BAR GRILLE WITH 1/8" BARS SPACED AT 1/4" WITH 0° DEFLECTION. SIZE AS INDICATED ON PLANS.	
TG-A	TITUS	350RL					Surface Mount	No	STEEL LOUVERED TRANSFER GRILLE. SIZE AS INDICATED ON DRAWINGS.	

EXHAUST FAN SCHEDULE

NOTES:
1. PROVIDE MANUFACTURER'S BRICK VENT OR HOODED WALL CAP AS INDICATED ON DRAWINGS.
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	Notes
EF-1	PANASONIC	FV-051VQ1	80 CFM	0.25 in-wg	32 W	120 V	1	



1 ERV DETAIL

NO SCALE



REVISIONS:

DATE: 09/24/2025
JOB: 22-3243
SHEET NO.:

M6.1

COPYRIGHTED ©

LEE LOFTS, PHASE III, BUILDING 3

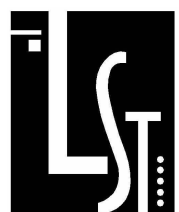
HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

SALINA,

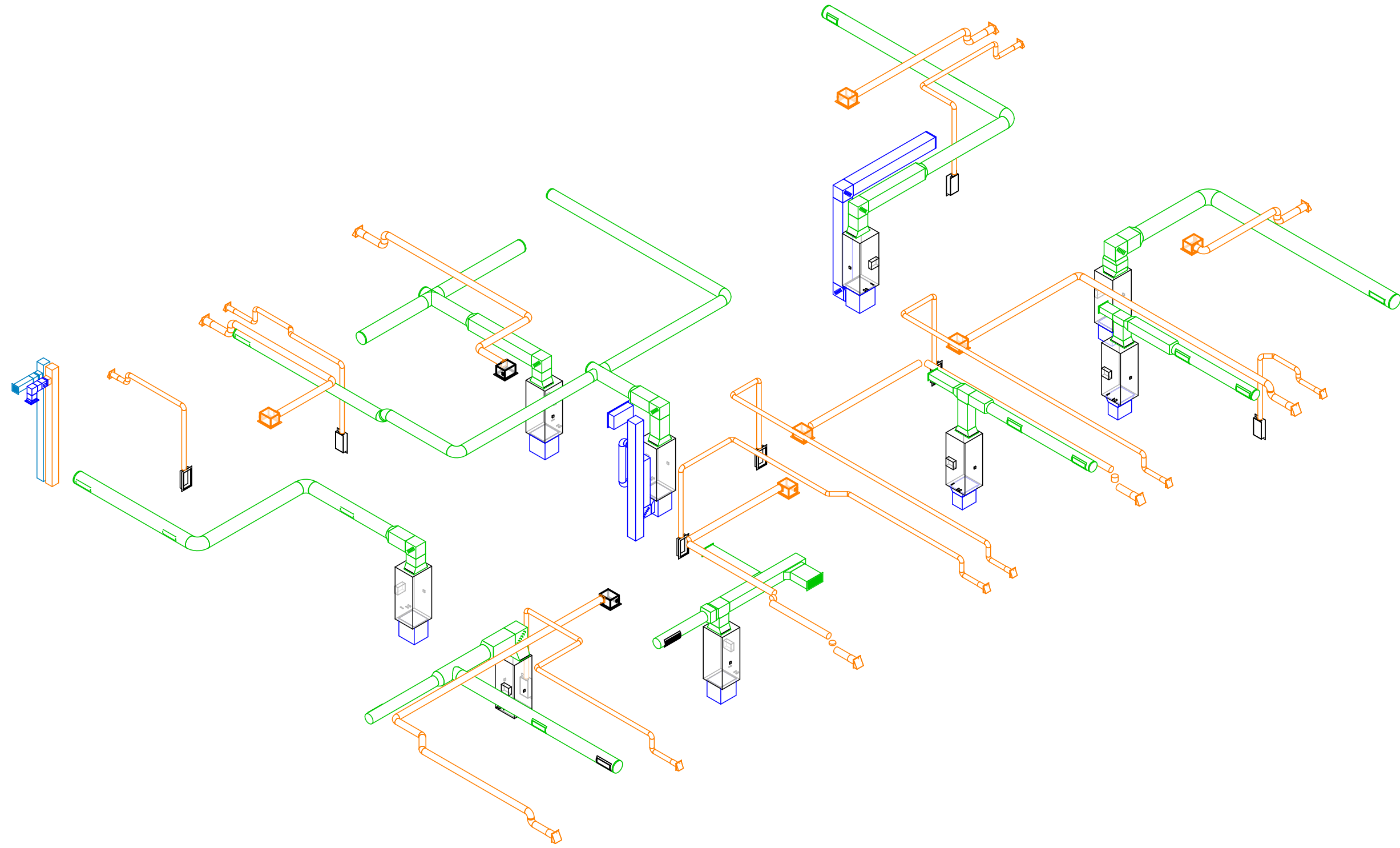
KANSAS

JonesGillamRenz

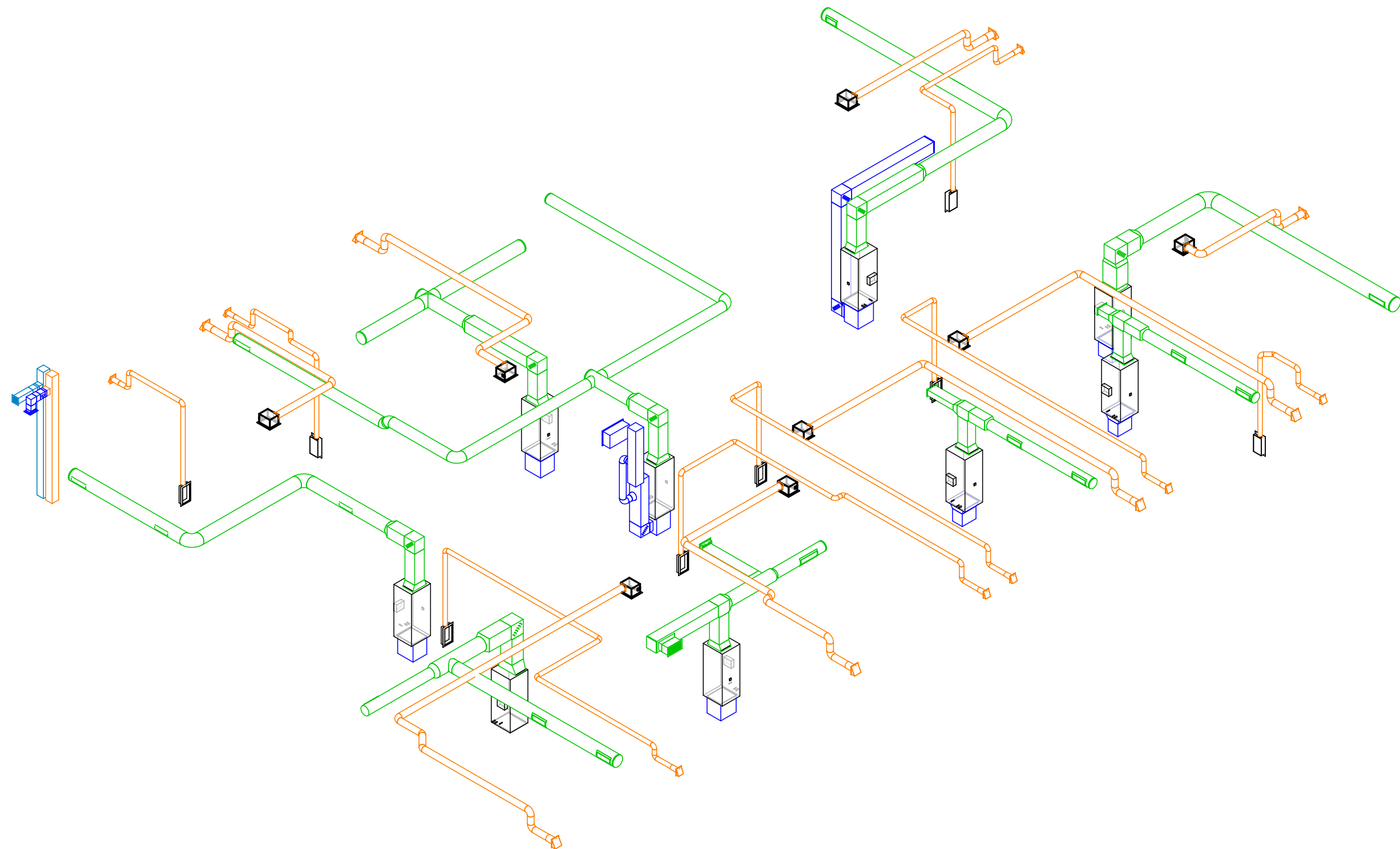
1881 Main Street, Suite 301
Salina, KS 67401
jgr@jgarchitects.com
785.827.0386



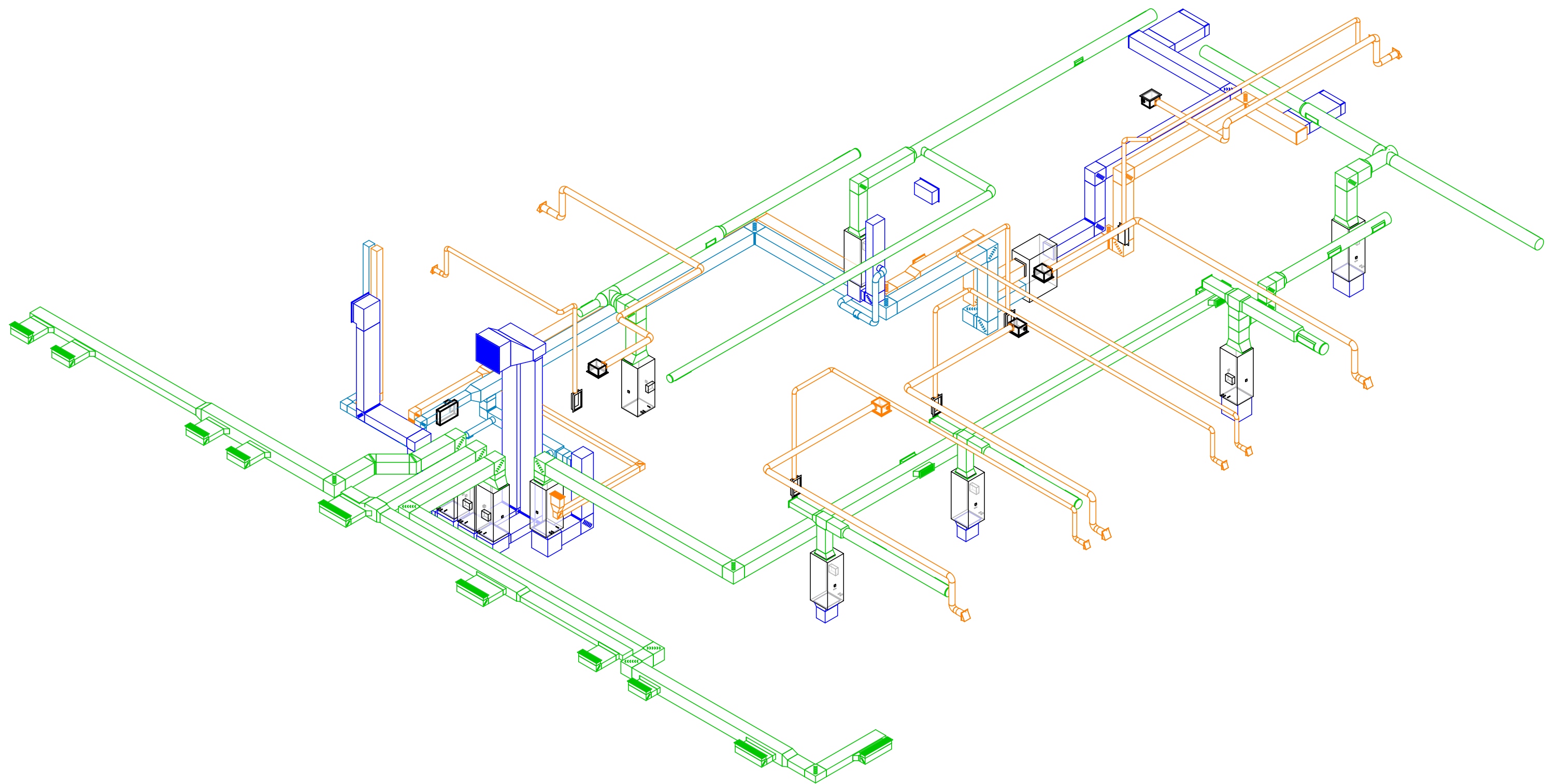
LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
www.LSTengineers.com
Project 25040
WICHITA
125 S. Washington, Suite 150
Wichita, KS 67202
316.285.0696
09/24/2025



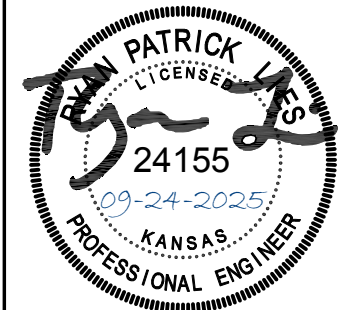
3 DUCTWORK RISER DIAGRAM - 3RD FLOOR (4TH & 5TH SIMILAR)



2 DUCTWORK RISER DIAGRAM - 2ND FLOOR



1 DUCTWORK RISER DIAGRAM - BASEMENT AND 1ST FLOOR



REVISIONS:	
DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	

- NOTES BY SYMBOL
- 1

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.
- 2

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. SUBMIT PRODUCT DATA FOR REVIEW PRIOR TO INSTALLATION. COORDINATE ROOF VAULT LOCATIONS WITH WALLS/CHASES BELOW. SEE M1.6 FOR MORE INFORMATION.
- 3

ROUTE REFRIGERANT PIPING DOWN THROUGH ROOF TO MATCHING INDOOR UNIT. 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. SUBMIT PRODUCT DATA FOR REVIEW PRIOR TO INSTALLATION. COORDINATE ROOF VAULT LOCATIONS WITH WALLS/CHASES BELOW. SEE M1.6 FOR MORE INFORMATION.
- 4

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.
- 5

PROVIDE GRAVITY ROOF VENTILATOR WITH BIRD SCREEN EQUAL TO GREENHECK GRSI-10. MINIMUM 0.57 SQUARE FOOT THROAT AREA. PROVIDE WITH ROOF CURB COMPATIBLE WITH ROOF SLOPE AND MATERIAL.
- 6

MOUNT RECEPTACLE TO UNISTRUT FRAME SUPPORTED FROM CONDENSING UNIT UNISTRUT FRAME.
- 7

MOUNT CONDENSING UNIT 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.
- 8

4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- 9

PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS SEE DETAIL 1.E6.1 FOR MORE INFORMATION.
- 10

PROVIDE JUNCTION BOX WITH CONDUIT AND PULL STRING FOR FUTURE RADON FAN ON ROOF. CAP CONDUIT ENDS AND LABEL FOR IDENTIFICATION.
- 11

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.

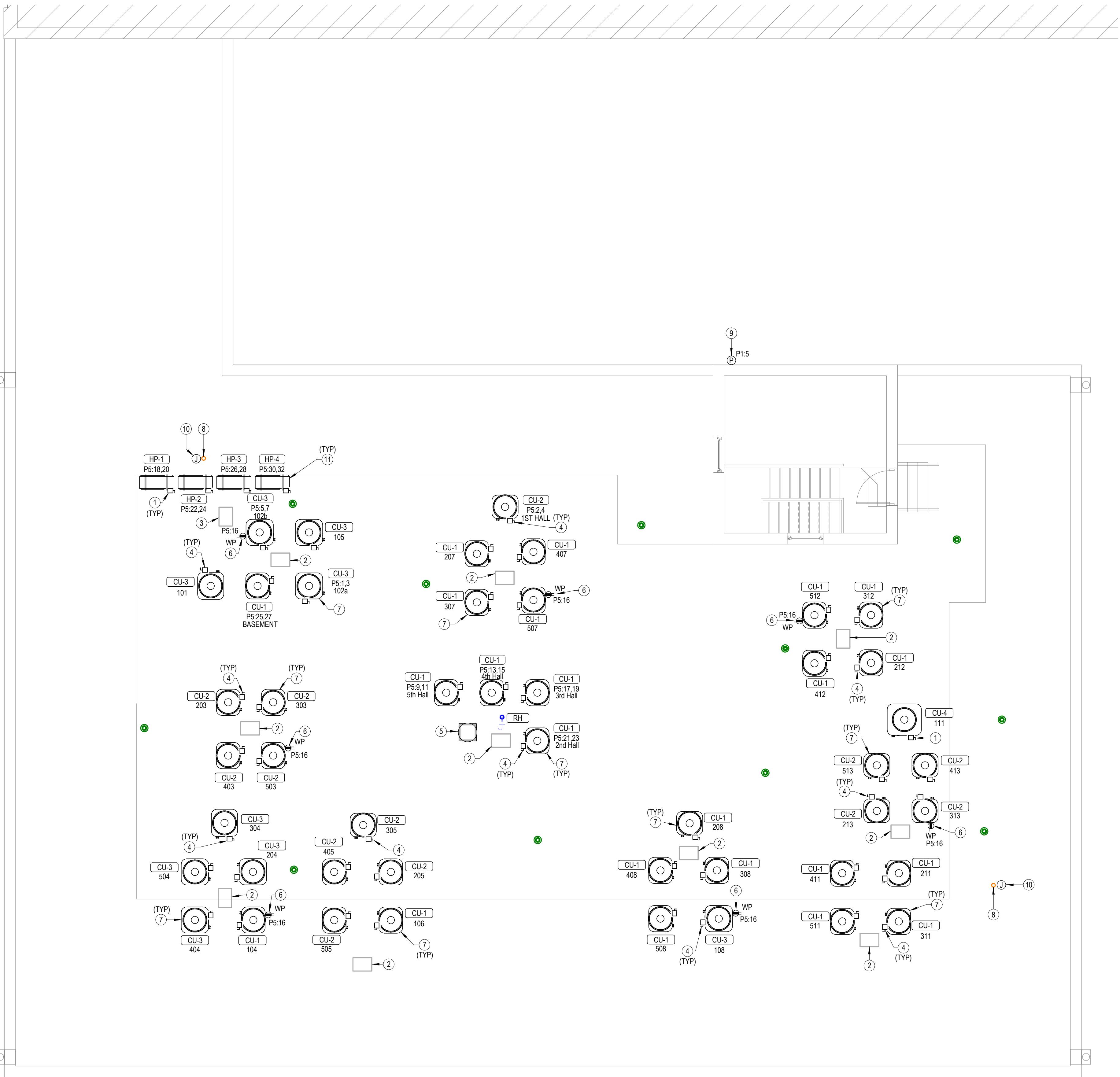


REVISIONS:

DATE: 09/24/2025
JOB: 22-3243
SHEET NO.:

ME1.1

COPYRIGHTED ©



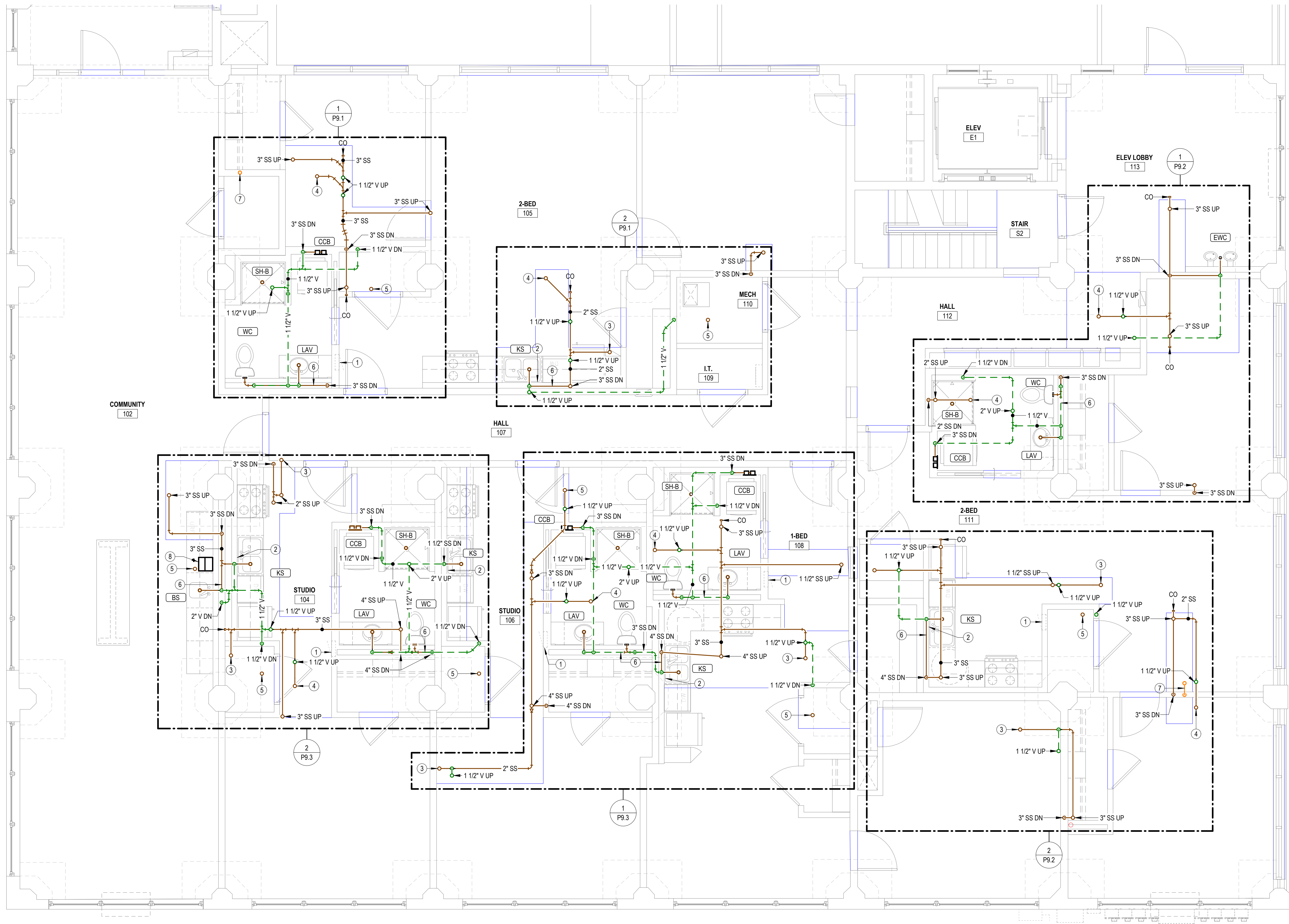
1 M/E ROOF PLAN
3/16" = 1'-0"

GENERAL PLUMBING NOTES

- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER OR RIGID PEX, ROUTED 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.

NOTES BY SYMBOL

- ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
- PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C.
- 2" SS UP TO OPEN HUB FLOOR DRAIN.
- 2" SS UP TO SHOWER.
- OPEN HUB FLOOR DRAIN WITH TRAP SEAL DEVICE.
- PROVIDE WASTE AND VENT PIPING IN CHASE FROM FIXTURES SHOWN. ROUTE TO VERTICAL RISER OR FLOOR PENETRATION AS INDICATED. FIELD COORDINATE ELEVATIONS AND OFFSETS.
- 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- ROUTE T/P RELIEF VALVE OVERFLOW TO OPEN HUB FLOOR DRAIN IN CABINETRY. COORDINATE EXACT ROUTING WITH ARCHITECT.

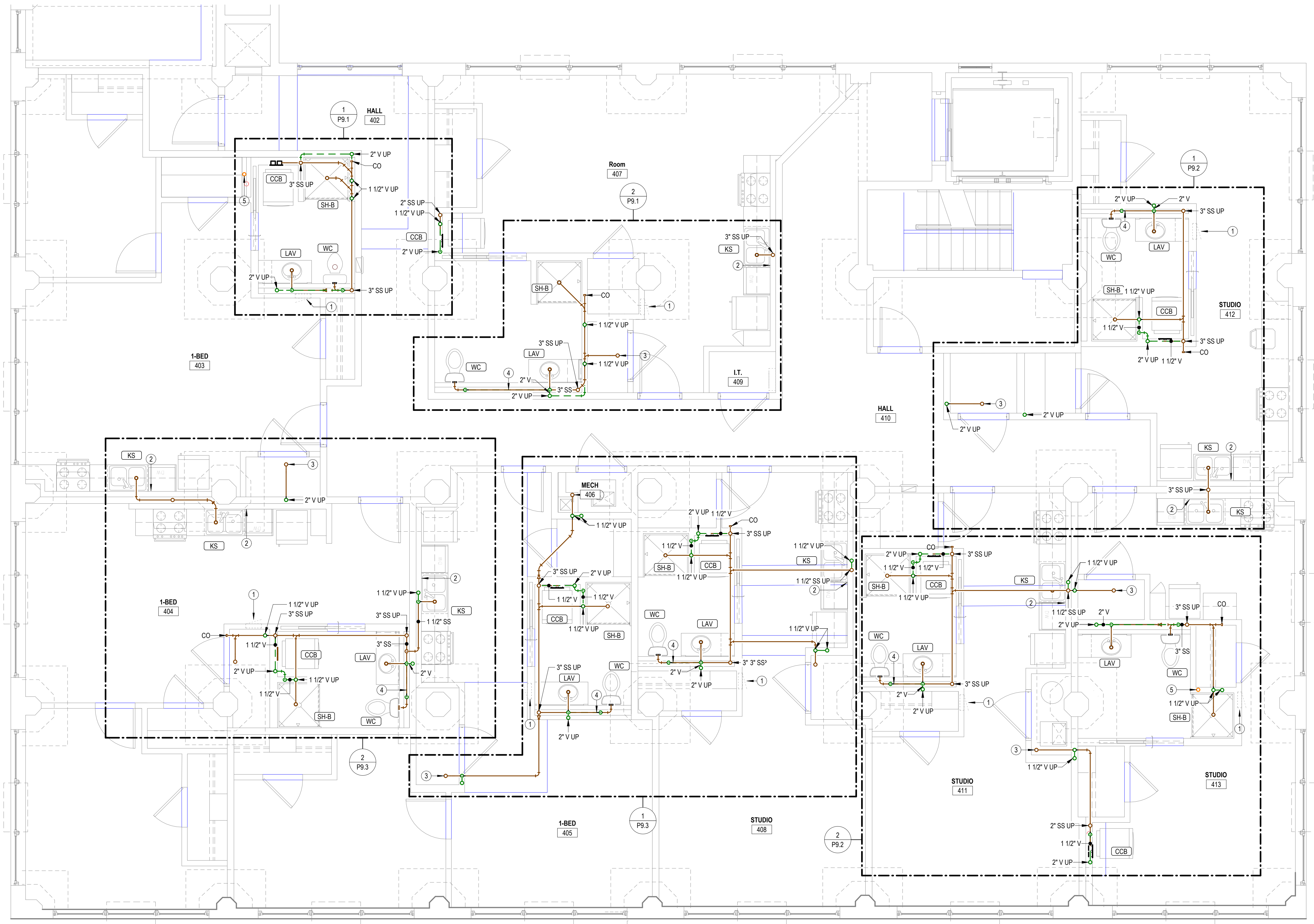


GENERAL PLUMBING NOTES

- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER OR RIGID PEX, ROUTED 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.

NOTES BY SYMBOL

- ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
- PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C.
- OPEN HUB FLOOR DRAIN WITH TRAP SEAL DEVICE.
- PROVIDE WASTE AND VENT PIPING IN CHASE FROM FIXTURES SHOWN. ROUTE TO VERTICAL RISER OR FLOOR PENETRATION AS INDICATED. FIELD COORDINATE ELEVATIONS AND OFFSETS.
- 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.



1 FOURTH FLOOR WASTE AND VENT PLAN
1/4" = 1'-0"

JGR
JonesGillamRenz
1881 Main Street, Suite 301
Salina, KS 67401
785.827.0386
jgr@jgarchitects.com

LEE LOFTS, PHASE III, BUILDING 3
HISTORIC REHAB. (APARTMENTS, COMMERCIAL)
SALINA, KANSAS



REVISIONS:

DATE: 09/24/2025
JOB: 22-3243
SHEET NO.:

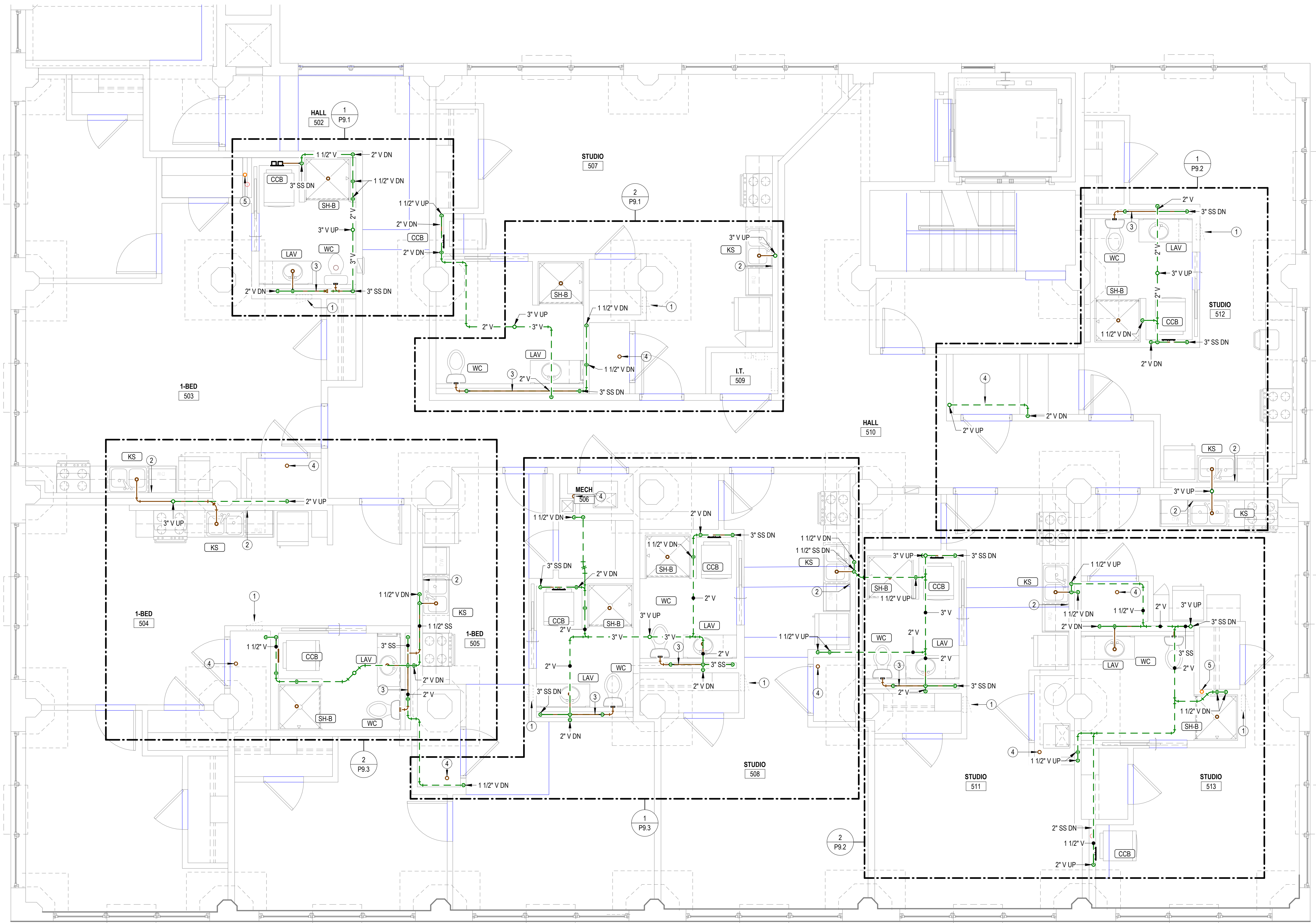
P1.5

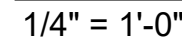
GENERAL PLUMBING NOTES

- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER OR RIGID PEX, ROUTED 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.

NOTES BY SYMBOL

- ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
- PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C.
- PROVIDE WASTE AND VENT PIPING IN CHASE FROM FIXTURES SHOWN. ROUTE TO VERTICAL RISER OR FLOOR PENETRATION AS INDICATED. FIELD COORDINATE ELEVATIONS AND OFFSETS.
- OPEN HUB FLOOR DRAIN WITH TRAP SEAL DEVICE.
- 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.





Note: 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.

- 1 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING
ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
2 FIRE PROTECTION SERVICE ENTRANCE. INSTALL IN ACCORDANCE WITH NFPA 13
AND 14. COORDINATE LOCATION OF ALL VALVES AND APPURTENANCES WITH AH.
3 HANG REMOTE WATER CHILLER FROM CEILING IN BASEMENT. MAKE FINAL
CONNECTION TO 'EW' ON FLOOR ABOVE. COORDINATE EXACT PIPING ROUTING
WITH G.C.



LEE LOFTS, PHASE III, BUILDING 3



REVISIONS:	
DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	

P1.7

COPYRIGHT ©

GENERAL PLUMBING NOTES

- 1
- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- 2
- EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER OR RIGID PEX, ROUTED 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.

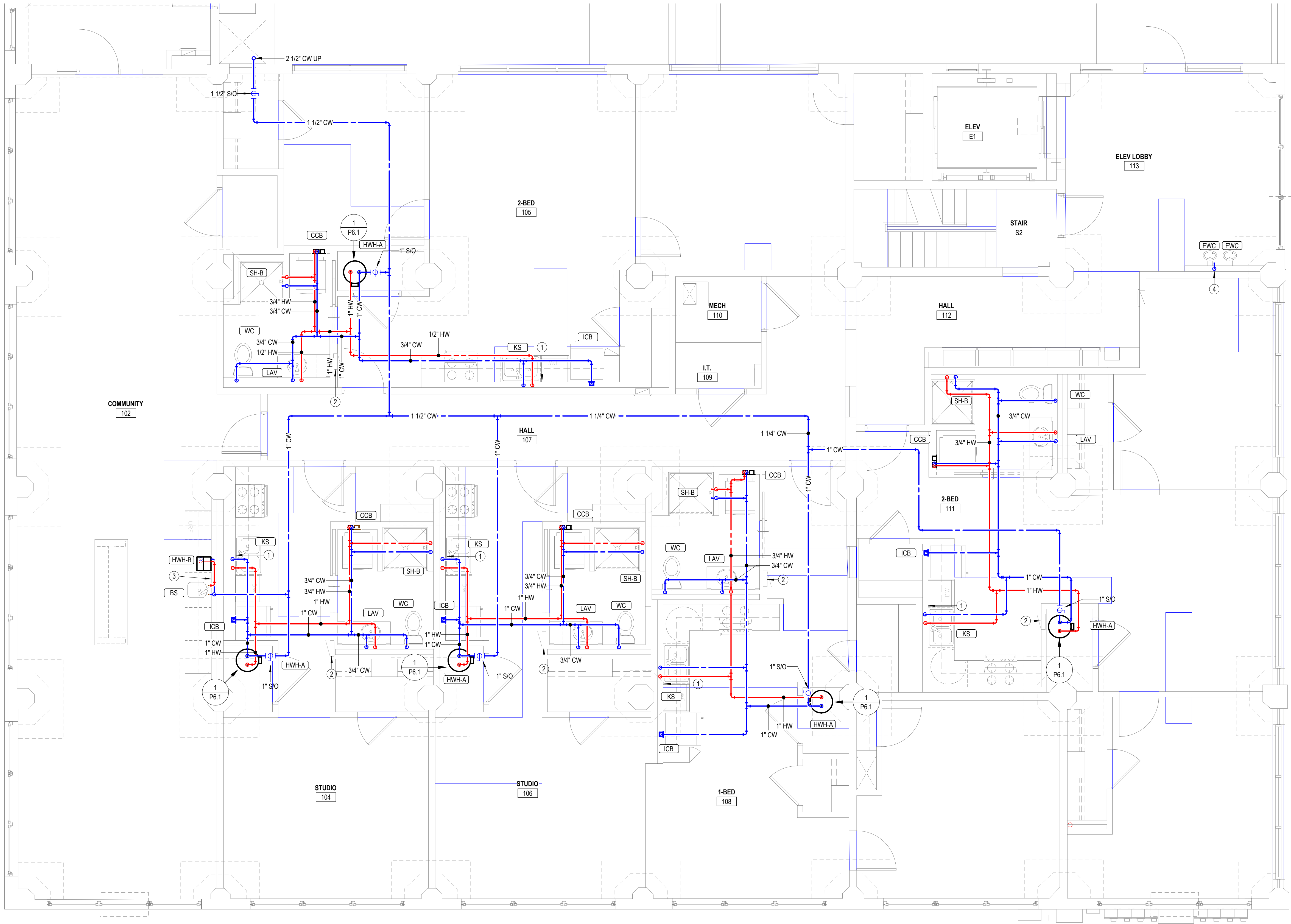
NOTES BY SYMBOL

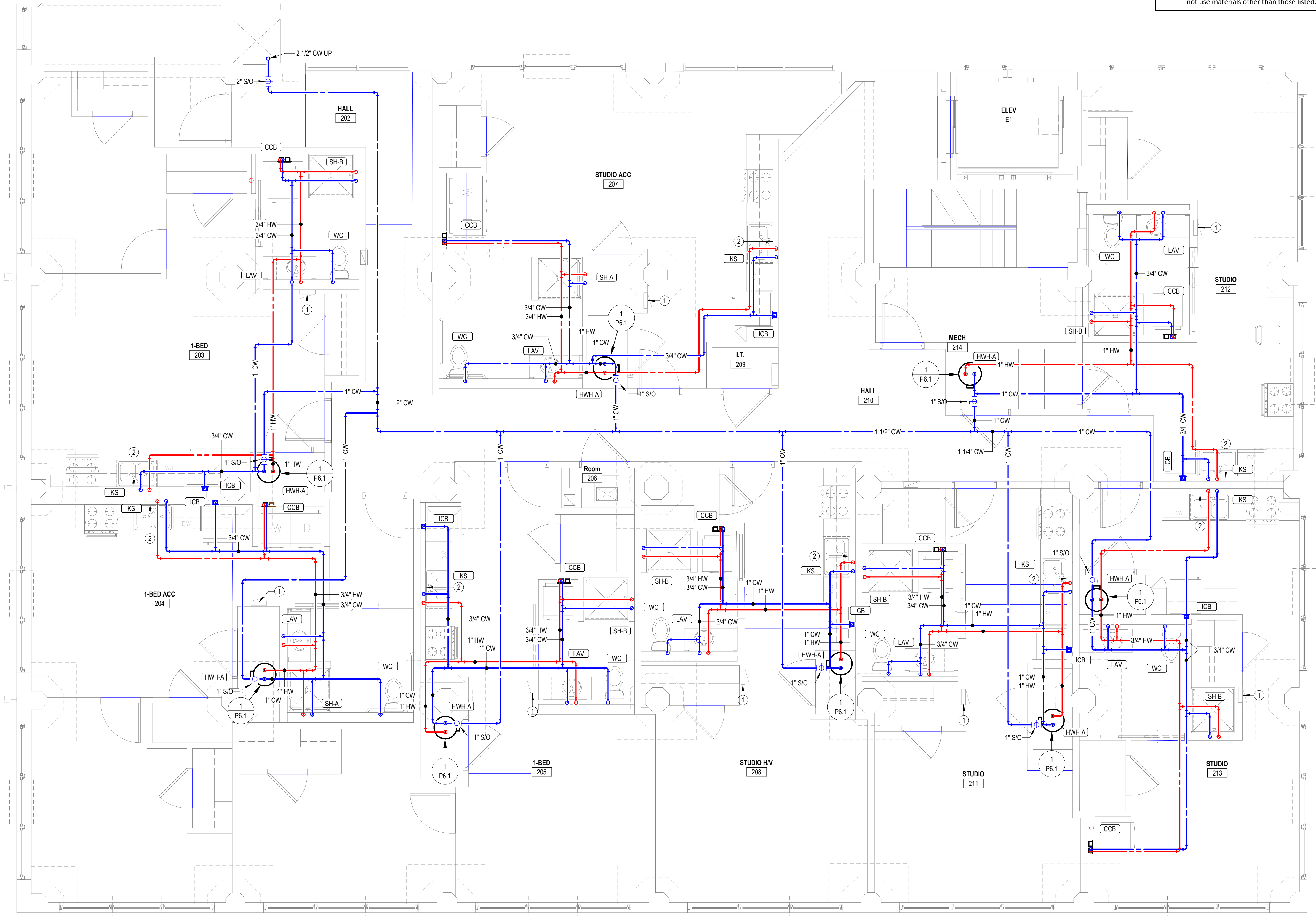
- 1
- PROVIDE 1/2" VALVED BRANCH BELOW SINK AND CONNECT DISHWASHER. ROUTE PIPING ALONG BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C. COORDINATE EXACT REQUIREMENTS WITH DISHWASHER PROVIDED.
- 2
- ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
- 3
- CONNECT TO POINT OF USE WATER HEATER IN AREA.
- 4
- CONNECT TO REMOTE WATER CHILLER BELOW ON FLOOR BELOW. COORDINATE EXACT PIPING ROUTING WITH G.C.

ALTERNATE
MATERIAL SIZE

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

Note: 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.





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

Note: 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.

- GENERAL PLUMBING NOTES**

 - COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
 - EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER OR RIGID PEX, ROUTED 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.
- NOTES BY SYMBOL**

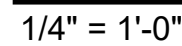
 - ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
 - PROVIDE 1/2" VALVED BRANCH BELOW SINK AND CONNECT DISHWASHER. ROUTE PIPING ALONG BACK OF CABINETS. COORDINATE EXACT ROUTING WITH G.C. COORDINATE EXACT REQUIREMENTS WITH DISHWASHER PROVIDED.



LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
www.LSTengineers.com
mail@LSTengineers.com

WICHITA
125 S. Washington, Suite 150
Wichita, KS 67202
316.285.0696
09/24/2025

Project 25040



P1.10

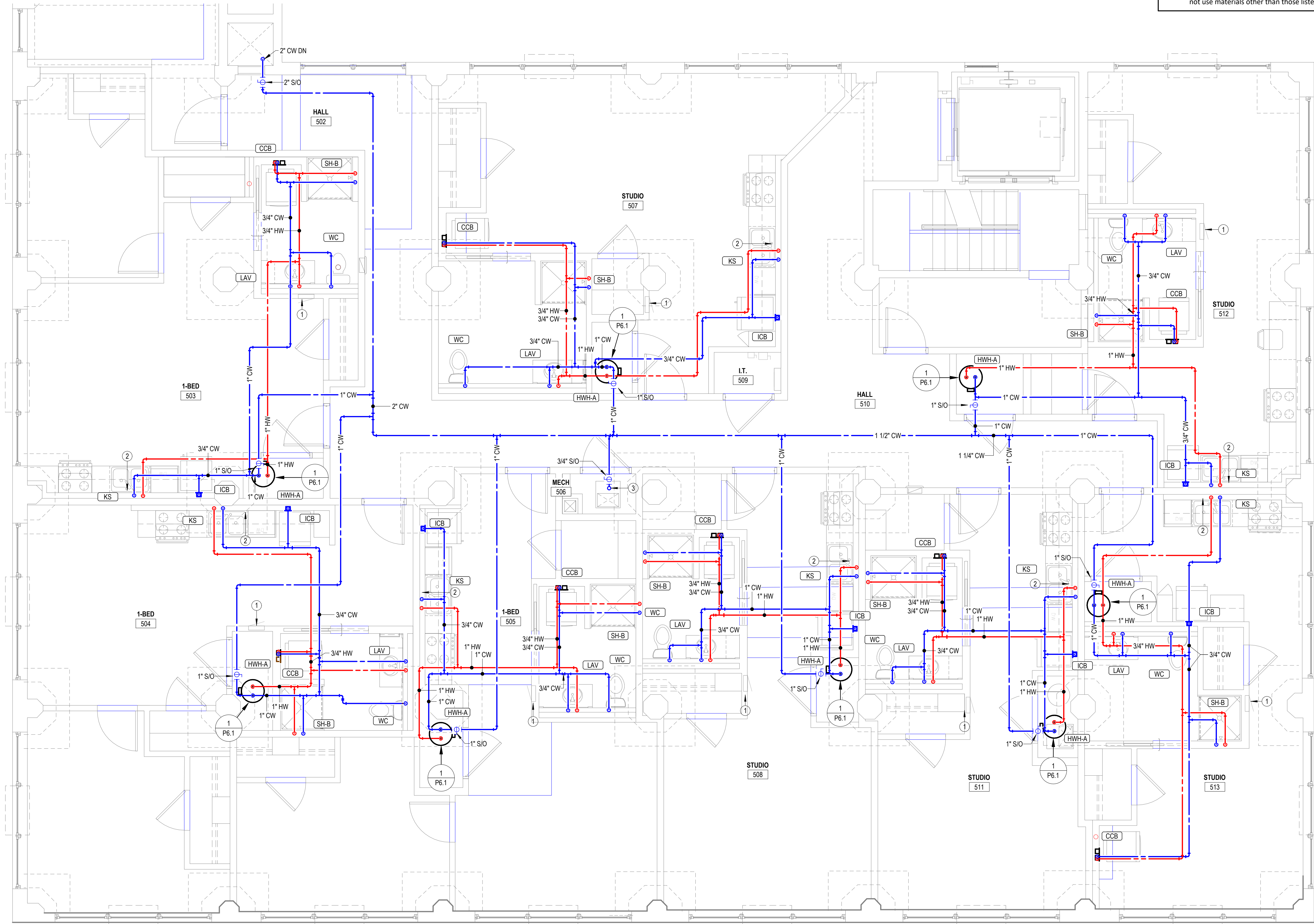

$$1/4" = 1'-0"$$

GENERAL PLUMBING NOTES	
1	COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
2	EXPPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER OR RIGID PEV, ROUTED 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.
NOTES BY SYMBOL	
1	ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.

DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	

P1.11

COPYRIGHT ©



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

Note: 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.

- GENERAL PLUMBING NOTES**

 - COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
 - EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER OR RIGID PEX, ROUTED 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.
- NOTES BY SYMBOL**

 - ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
 - PROVIDE 1/2" VALVED BRANCH BELOW SINK AND CONNECT DISHWASHER. ROUTE PIPING ALONG BACK OF CABINETS. COORDINATE EXACT ROUTING WITH G.C.
 - COORDINATE EXACT REQUIREMENTS WITH DISHWASHER PROVIDED.



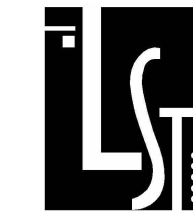
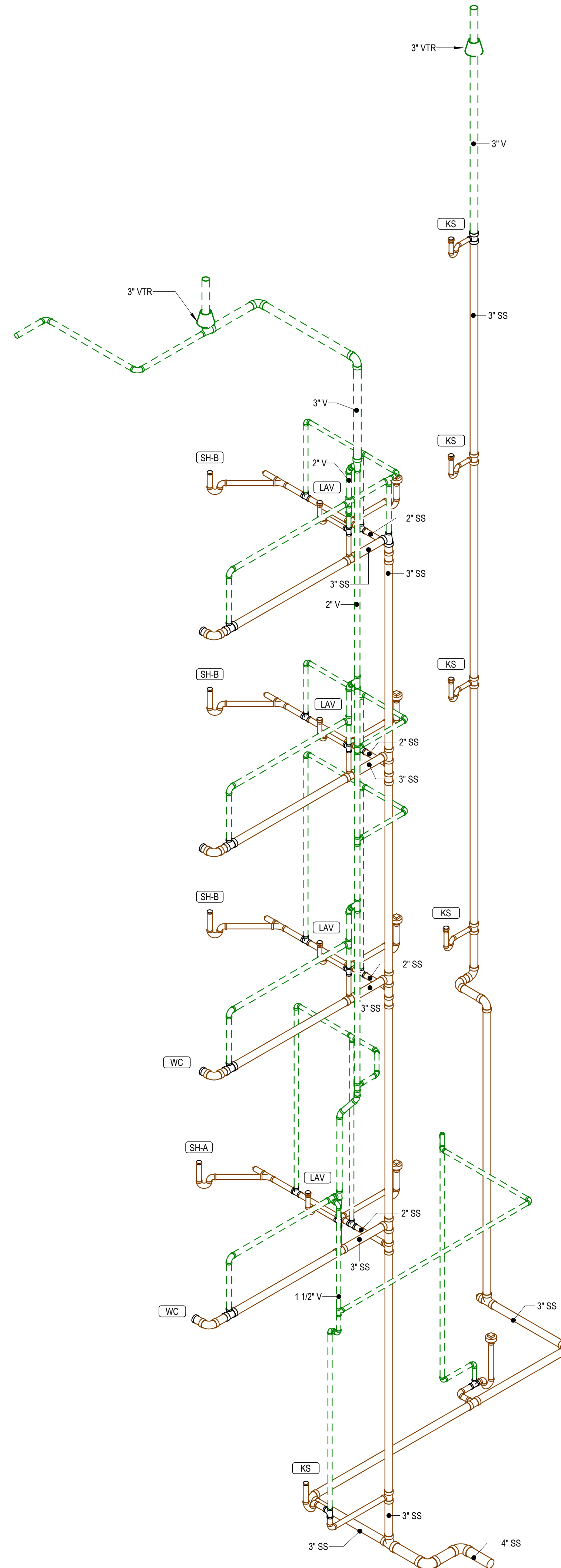
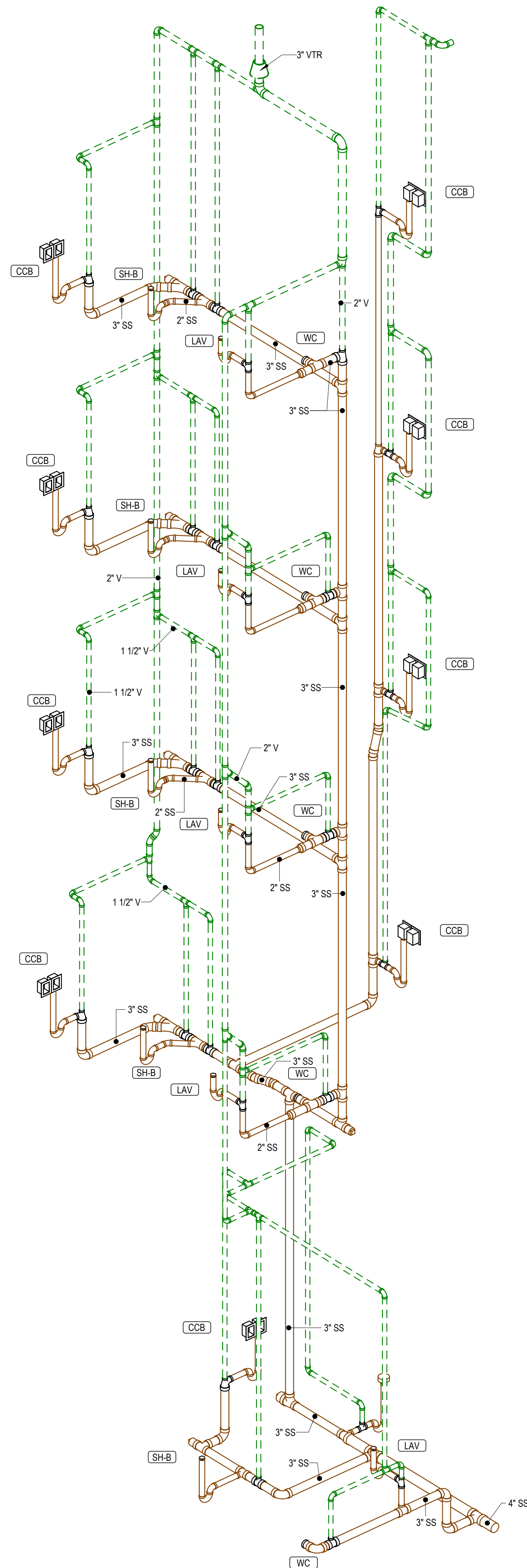
LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
www.LSTengineers.com
mail@LSTengineers.com

WICHITA
125 S. Washington, Suite 150
Wichita, KS 67202
316.285.0696
09/24/2025

Project 25040



REVISIONS:	
DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	



LST Consulting Engineers, PA

MANHATTAN 4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042

WICHITA 125 S. Washington, Suite 150
Wichita, KS 67202
316.285.0696

www.LSTengineers.com
mail@LSTengineers.com

Project 25040 **09/24/2025**

LEE LOFTS, PHASE III, BUILDING 3	HISTORIC REHAB. (APARTMENTS, COMMERCIAL)	KANSAS
	SALINA,	



REVISIONS:

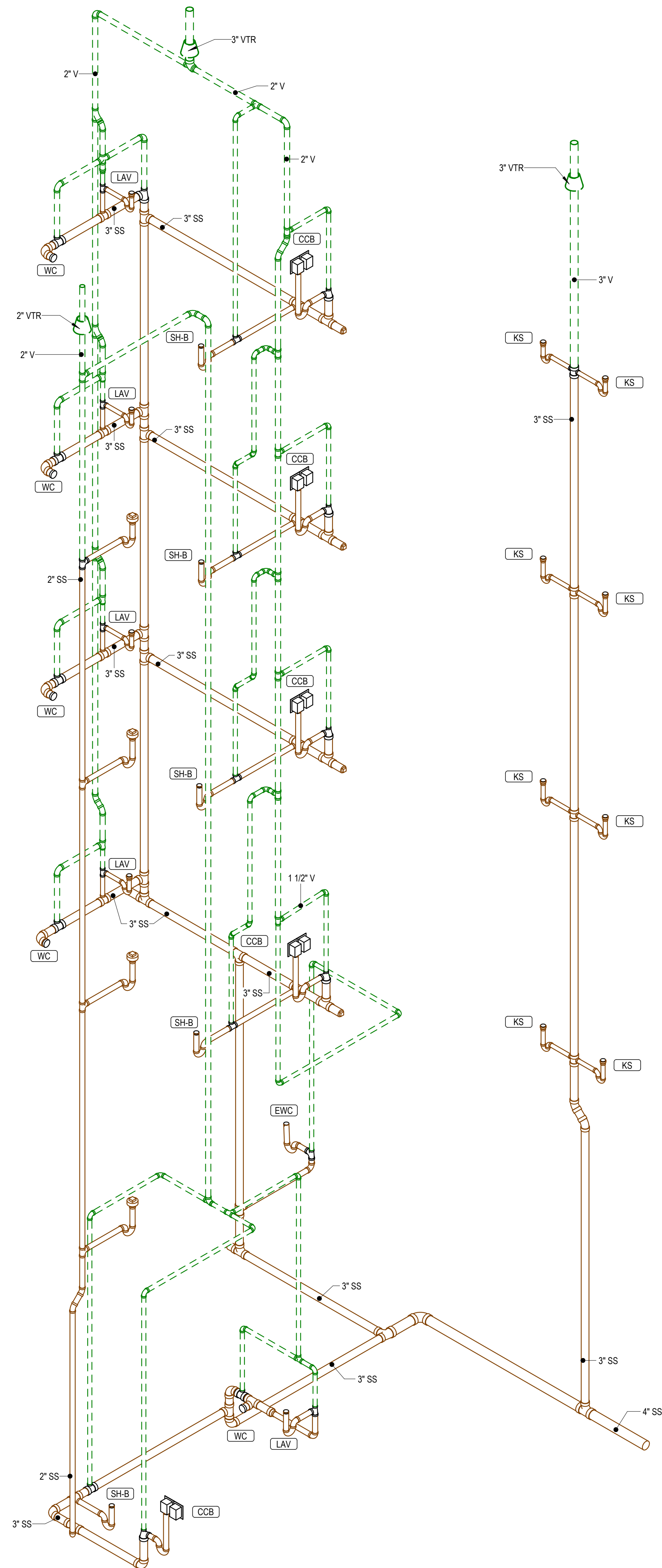
DATE: 09/24/2025

JOB: 22-3243

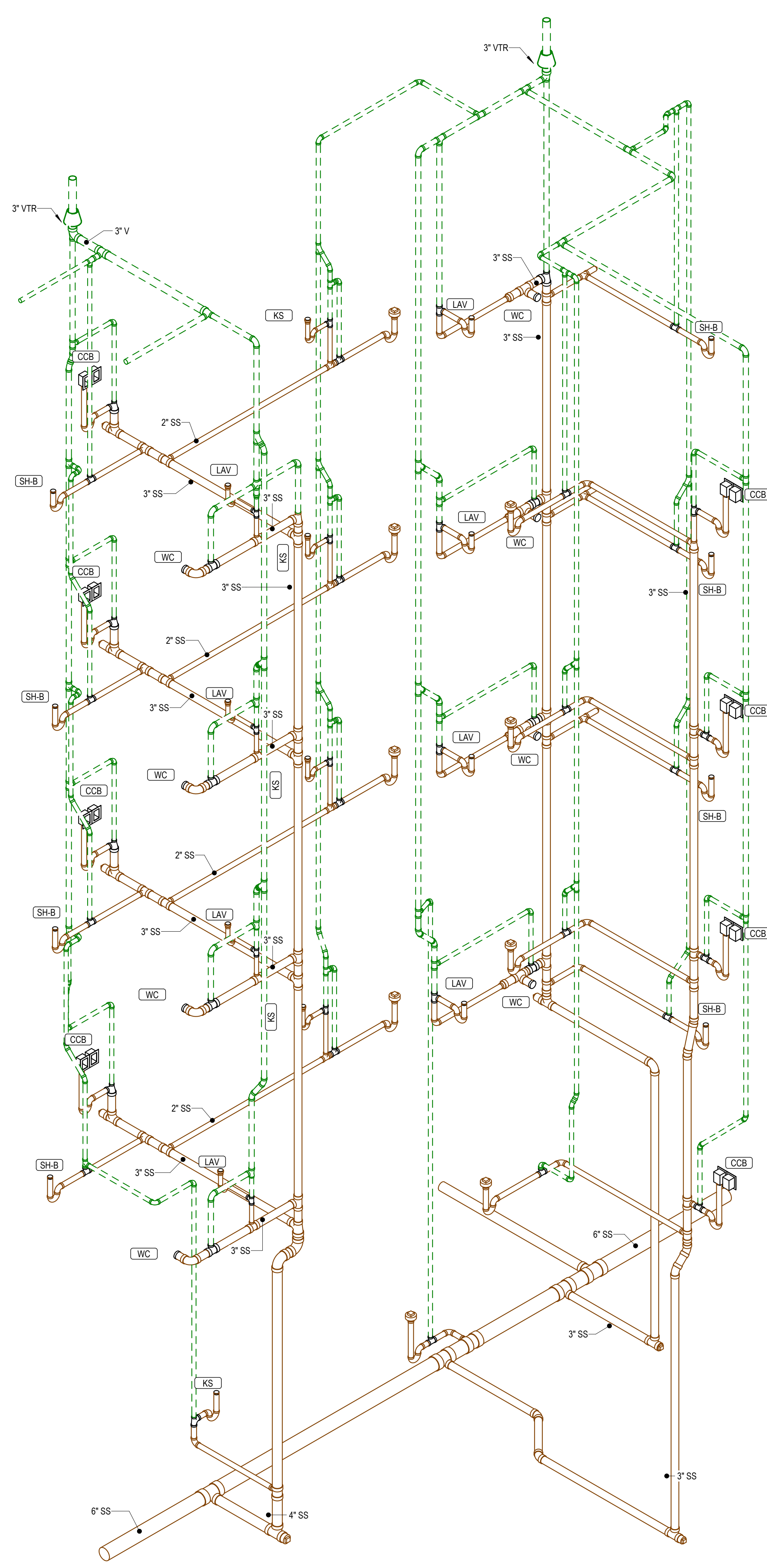
SHEET NO.:

P9.1

COPYRIGHT ©



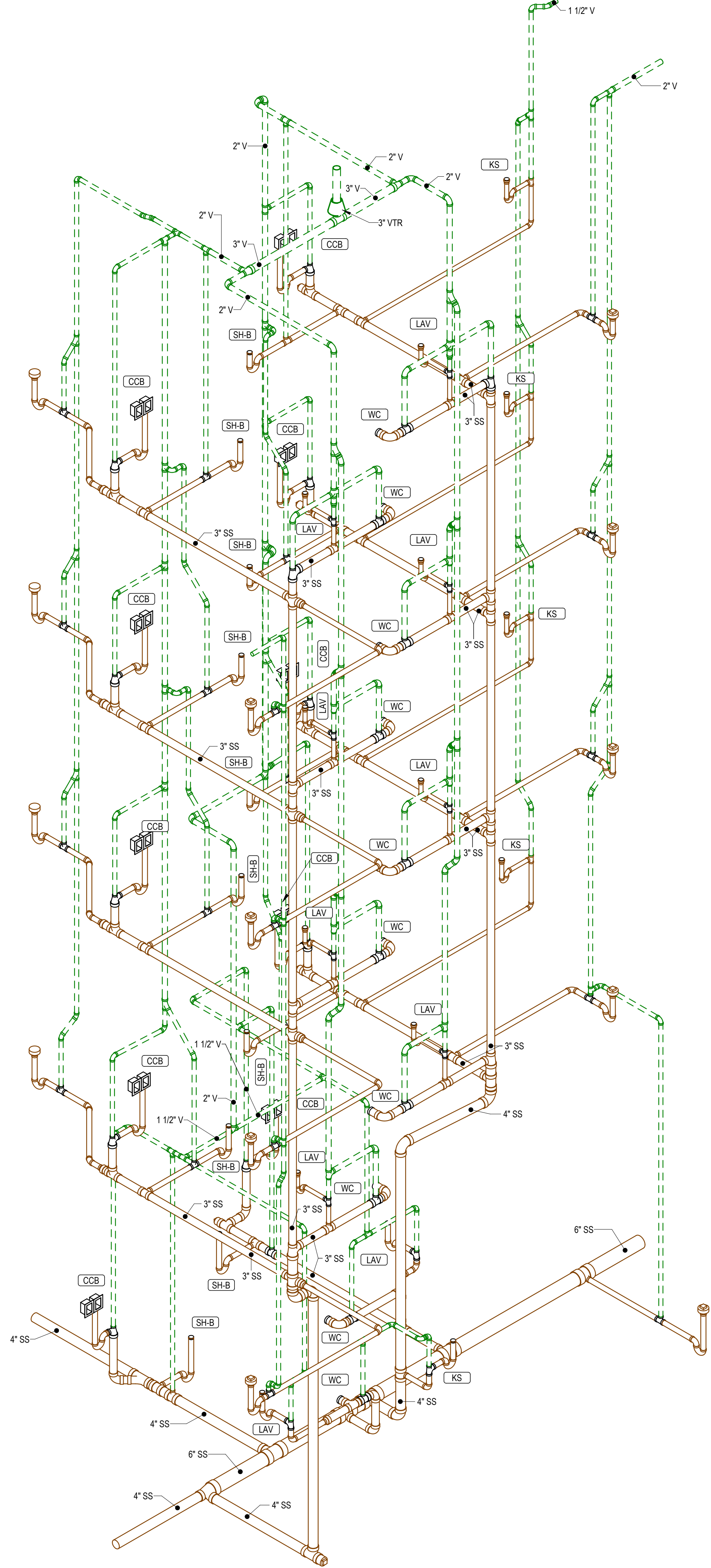
1 WASTE & VENT RISER DIAGRAM



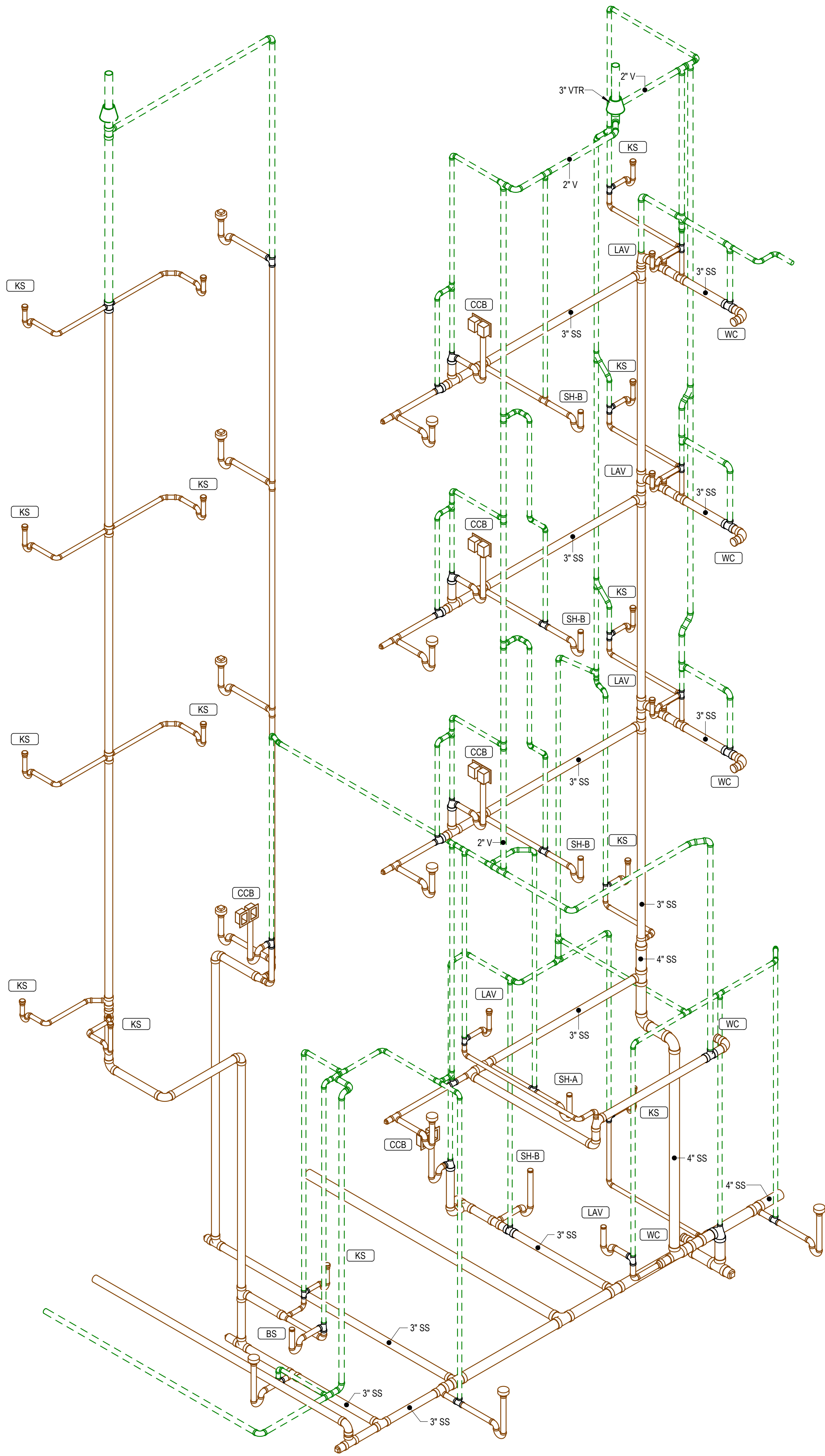
2 WASTE & VENT RISER DIAGRAM



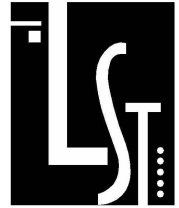
REVISIONS:	
DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	



1 WASTE & VENT RISER DIAGRAM



2 WASTE & VENT RISER DIAGRAM



LST Consulting Engineers, PA
MANHATTAN 4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
www.LSTengineers.com
mail@LSTengineers.com
WICHITA 125 S. Washington, Suite 150
Wichita, KS 67202
316.285.0696
09/24/2025
Project 25040

LEE LOFTS, PHASE III, BUILDING 3
HISTORIC REHAB. (APARTMENTS, COMMERCIAL)

SALINA, KANSAS



REVISIONS:	
DATE:	09/24/2025
JOB:	22-3243
SHEET NO.:	