		Abbreviatior	5		Electric
1P	1 Pole (2P, 3P, 4P, ETC.)	MCB	Main Circuit Breaker	Lighting Symbo	<u>ls</u>
A, Amp AC	Ampere Above Counter	MCC MDC	Motor Control Center Main Distribution Center		
NCLG	Above Counter Above Ceiling	MDC	Main Distribution Panel		
DO F	Automatic Door Opener Amp Frame	MFR MFS	Manufacturer Main Fused Disconnect Switch		Lighting Fixtures, Typical, Rectangular (Various Symbols)
F	Above Finished Floor	MFS	Manhole		(12.1.2.2.2.5)
FG FI	Above Finished Grade Arc Fault Circuit	MIC MIN	Microphone Minimum		
	Interrupter	MIN	Miscellaneous		
HU	Air Handling Unit	MLO	Main Lugs Only		Lighting Fixtures, Typical, Round
T	Aluminum Alternate	MMS MOA	Manual Motor Starter Multioutlet Assembly		(Various Symbols)
ΛP	Ampere	MSP	Motor Starter Panelboard		Center dot indicates pendant. Chevron indicates wall wash.
PL IUN	Amplifier Annunciator	MSBD MSS	Main Switchboard Motor Starter Switch		
	Approximately	MSS	Mount		Wall-mounted fixtures, Typical
-STAT	Aquastat	MT.C	Empty Conduit	н¤	(Various Symbols)
СН	Architect, Architectural Amp Switch	MTS MTR	Manual Transfer Switch Motor, Motorized		Strip Fixture
S T	Amp Trip	N.C.	Normally Closed		
ITS IUTO	Automatic Transfer Switch Automatic	NEC NEMA	National Electrical Code National Electrical		Directional Light, Track Light, Flood Light
UX	Auxiliary		Manufacturer's Association		Linear Light, Tape Light
V	Audio Visual	NFDS	Non-Fused Safety Disconnect Switch		Emergency Lighting Unit, Ceiling-Mounted,
WG ATT	American Wire Gauge Battery	NIC	Not In Contract		Integral Battery
D	Board	NL	Night Light	►⊶	Emergency Lighting Unit, Ceiling-Mounted,
BLDG BMS	Building Building Management System	N.O. NPF	Normally Open Normal Power Factor	•◄	Remote Battery
;	Conduit	NTS	Not To Scale		Emergency Lighting Unit, Wall-Mounted,
AB	Cabinet	00	On Center		Integral Battery
CAT CATV	Catalog Cable Television	OH OL	Overhead Overloads		
СВ	Circuit Breaker	PA	Public Address		Emergency Lighting Unit, Wall-Mounted, Remote Battery
CTV	Closed Circuit Television	PB PE	Pull Box Or Pushbutton		Nonote Dattery
KT LG	Circuit Ceiling	PE PED	Pneumatic Electric Pedestal		Exit Light, Ceiling-Mounted.
OMB	Combination	PF	Power Factor	I I I I I I I I I I I I I I I I I I I	Shading and arrows indicate faces and
MPR ONN	Compressor Connection	PH PIV	Phase Post Indicating Valve		directional chevrons.
	Connection	PIV PNL	Post Indicating Valve Panel		Exit Light, Wall-Mounted.
ONT	Continuation Or Continuous	PP	Power Pole	₩	Shading and arrows indicate faces and
ONTR	Contractor Convector	PR PRI	Pair Primary		directional chevrons.
C	Circulating Pump	PROJ	Projection	***	Exit/ELLL Combo
RT	Cathode-Ray Tube	PRV	Power Roof Ventilator		Exit/ELU Combo
T TR	Current Transformer Center	PT PVC	Potential Transformer Polyvinyl Chloride (Conduit)	••	Pole/Area Lights
U	Copper	PWR	Power		Fue/Area Lights
OCP	Domestic Water Circulating Pump	QUAN	Quantity	\otimes	Post-Top Area Light
DEPT DET	Department Detail	RCPT REQD	Receptacle Required	a	Bollard Light
DIA	Diameter	RM	Room		Hatch indicates light on an emergency or life
DISC DIST	Disconnect Distribution	RSC RTU	Rigid Steel Conduit Roof Top Unit		safety circuit.
DN	Down	SC	Surface Conduit		
DPR	Damper	SEC	Secondary		Single-Pole Switch
DS DT	Safety Disconnect Switch Double Throw	SHT SIM	Sheet Similar		Two-Pole Switch Three-Pole Switch
DWG	Drawing	SLD	Single-Line Diagram		
EC	Electrical Contractor	S/N	Solid Neutral		Switch Modifiers:
ELEC ELEV	Electric, Electrical Elevator	SPEC SPKR	Specification Speaker		3: 3-WayOS: Occupancy Sensor4: 4-WayVS: Vacancy Sensor
ELU	Emergency Lighting Unit	SP	Spare		K: Keyed CT: Above-Counter
EM EMS	Emergency	SPP SR	Single-Point Power Surface Raceway		D: Dimming LV: Low-Voltage T: Timer M: Motor-Rated
EMT	Energy Management System Electrical Metallic Tubing	SS	Stainless Steel		
ΞP	Electric Pneumatic	SSW	Selector Switch		Lighting Contactor
Equip Ewc	Equipment Electric Water Cooler	S/S STA	Stop/Start Pushbuttons Station	LC	Lighting Control Panel
EXIST	Existing	STD	Standard	OS	Occupancy Sensor
EXH	Exhaust	SURF	Surface Mounted		Daylight Harvesting Sensor
EXP FA	Explosion Proof Fire Alarm	SW SWBD	Switch Switchboard		
FABP	Fire Alarm Booster Power	SYM	Symmetrical	Lighting Tags	
ACP	Supply Panel Fire Alarm Control Panel	SYS TEL	System Telephone		Top Value: Fixture Type ID (<u>Underlined</u>)
-ACP -CU	Fire Alarm Control Panel Fan Coil Unit	TEL	Telephone Terminal		
-IXT	Fixture	TL	Twist Lock		
LR LUOR	Floor Fluorescent	TR T-STAT	Tamper Resistant Thermostat		Bottom Value, Lowercase Letter: Switch
-U	Fuse	TTC	Telephone Terminal Cabinet		Bottom Value, Number(s): Circuit Number
UDS	Fused Safety Disconnect Switch	TV	Television		Bottom Value, Uppercase Letter(s): Panel
GA GAL	Gauge Gallon	TVTC TYP	Television Terminal Cabinet Typical	Absence of a	switch designation on a lighting fixture indicates
GALV	Galvanized	UC	Under Counter	fixture is contr	rolled by the only switch in the space. An "x" in pla
GC GEN	General Contractor Generator	UE UG	Underground Electrical Underground	of the switch of	designation indicates unswitched.
GFI	Generator Ground Fault Circuit Interrupter	UH	Unit Heater		ID indicated by a lowercase letter. Switch IDs are
GFP	Ground Fault Protector	UT	Underground Telephone	unique	per space. A switch with an ID "a" controls all
GND GRS	Ground Galvanized Rigid Steel (Conduit)	UTIL UV	Utility Ultraviolet		within the space in which it is located tagged with witch without a tagged ID controls all lighting
GYP BD	Gypsum Board	V	Volt	fixtures	within a space. ID tags may be used on control
IOA	Hands-Off-Automatic Switch	VA	Volt-Amperes	■ devices	other than switches, such as occupancy sensors
ioriz IP	Horizontal Horsepower	VDT VERT	Video Display Terminal Vertical	contacto	ors.
IPF	High Power Factor	VFD	Variable Frequency Drive		
IT ITC	Height	VOL	Volume	Miscellaneous	
HTG HTR	Heating Heater	W W/	Watt With		Area Natio Contract
IV	High Voltage	WG	Wire Guard		Area Not in Contract
HVAC	Heating, Ventilating And Air Conditioning	WH W/O	Water Heater Without	#	Note by Symbol
С	Interrupting Capacity	WP	Weatherproof	π	
G	Isolated Ground	XFMR	Transformer		Callout: Top Value: Detail Number on Sheet
MC NCAND	Intermediate Metal Conduit Incandescent	XFR	Transfer		Bottom Value: Sheet Number of Detail
ncand R	Incandescent				
/W	Interlock With			Room 321	Room Name and Number
I-BOX <v< td=""><td>Junction Box Kilovolt</td><td></td><td>ngle</td><td>321</td><td></td></v<>	Junction Box Kilovolt		ngle	321	
(V (VA	Kilovolt Kilovolt-Ampere	@ A ▲ D	t elta		
KVAR	Kilovolt-Ampere Reactive	' F	eet		
W WH	Kilowatt Kilowatt Hour	" Ir	ches		
(WH .OC	Kilowatt Hour Locate Or Location		umber hase		
Т	Light	Ĉ C	enter Line		
TG	Lighting		late		
.TNG .V	Lightning Low Voltage				
ΛAX	Maximum				
A C C	udognotio L'tortor				
//AG.S //C	Magnetic Starter Momentary Contact				

Electrical Symbol Legend Fire Alarm Symbols Power Symbols P Manual Pull Station Wall Ceilir Floor 🔲 🛛 Horn, Wall $\Phi \Phi \Phi$ Simplex Receptacle 🗄 🖾 Duplex Receptacle ▷ F I Horn, Ceiling 🕀 🕀 🖽 Quadruplex Receptacle Strobe, Wall, Candela as indicated Type as Indicated Strobe, Ceiling, Candela as indicated Receptacle Modifiers: ##": Height AFF(to center) Horn/Strobe, Wall, Candela as indicated CT: Device Mounted Above Counter Top Horn/Strobe, Ceiling, Candela as indicated IG: Isolated Ground H: Device Mounted Horizontally Remote Indicator w/ Test Switch, Wall WP: Weatherproof In-Use Cover Remote Indicate w/ Test Switch, Ceiling Half shading indicates split (typically switched) **Outside shading indicates tamperproof device** Smoke Detector Fire Alarm System Center shading indicates GFI type Smoke Detector 120v Local 🖕 🗯 Full shading indicates tamperproof GFI type Heat Detector Multioutlet Assembly Filled squares indicate 120V outlet Open squares indicate with USB Carbon Monoxide Detector Deam Detector T: Transmitter R: Receiver Combination Detector (Up to Three) Duct Smoke Detector (J) Junction Box Smoke Damper F1 Floor Box, see schedule for type DH Door Holder • Emergency Power Off DCL Door Closer DO Door Opener Push Plate C M Power Meter Addressible Module Ch Safety Switch, Fused □h Safety Switch, Unfused Motor Starter XXXX Fire Alarm Control Unit Combination Starter/Disconnect S Contactor Power Device and Equipment Tags Electrical DeviceTags: Uppercase letter(s) indicates Panel ID and circuit number. Lowercase letter 2 indicates designation of controlling switch (where XX applicable). ncy or life Equipment Tags: Equipment ID is indicated by an XX-1 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. Security Symbols Wiring icy Sensor Decurity Camera Solid, arced lines connecting equipment, devices, or fixtures indicate unswitched power circuiting. Wires are HCR Card Reader only intended to indicate to what circuit devices are connected. Actual connections, circuit routing, HCK Card Reader with Keypad installtion, junction boxes, etc. shall be field-determined HTV Closed Circuit TV Outlet by the contractor. Dashed, arced lines connecting equipment, devices, or DC Door Contact fixtures indicate switched power. ES Electric Strike Home run to branch circuit panelboard. The equipment name and circuit number(s) are indicated, separated by HIC Intercom a hyphen. Homeruns are only intended to indicate panel and circuit number. Actual homerun location shall be ML Magnetic Lock field-determined by the contractor. HRXH Request to Exit Button Power Distribution Equipment REX Request to Exit Sensor tter: Switch ID MDP HP1A MD Motion Detector cuit Number r(s): Panel XXX Security Control Unit indicates SB1 An "x" in place tch IDs are Hatched fill indicates distribution panel or switchboard. Solid fill indicates branch panel or load center. tagged with Dashed box indicates code-required clearance (width and depth). lighting on control Door indicates front of recessed panel. ncy sensors or 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 Ceilir 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 Service Phone

Panel

AIM: Addressible Input Module

FAA: Fire Alarm Annunciator

Supervisory or Interface Device

PS: Pressure Switch

R: Non-Addressible Relay VS: Valve Supervisory Switch

WF: Water Flow Switch

PTZ: Pan/Tilt/Zoom

SCP: Security Control Panel SPS: Security Power Supply Unit

PIV: Post Indicator Valve Supervisory

FACP: Fire Alarm Control Panel FATC: Fire Alarm Terminal Cabinet

AOM:Addressible Output Control Module

AIO: Addressible Input/Output Module

EVAC: Voice Evacuation Control Panel

NACP: Notification Appliance Circuit Panel FAMN: Fire Alarm Mass Notification Control



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	Electrical Sheet List
E1.1	Lighting Plans 1st and 2nd
E1.2	Lighting Plan 3rd
E1.3	Power Plans 1st and 2nd
E1.4	Power Plan 3rd
E1.5	Special Systems Plans 1st and 2nd
E1.6	Special Systems Plan 3rd
E4.1	Enlarged Electrical Plans
E6.1	Electrical Schedules and Details
E6.2	Electrical Diagrams
E6.3	Electrical Panel Schedules
E0.1	Electrical Title Sheet

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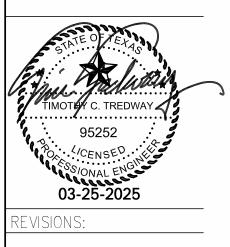
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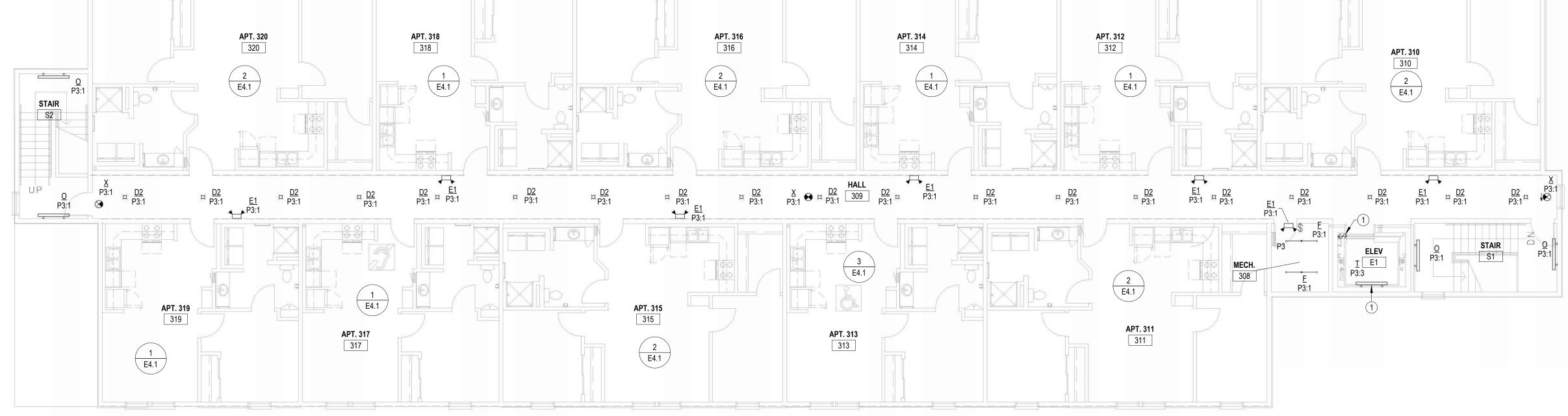
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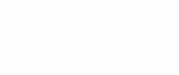


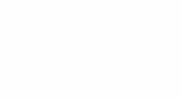


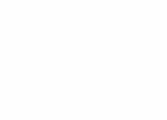














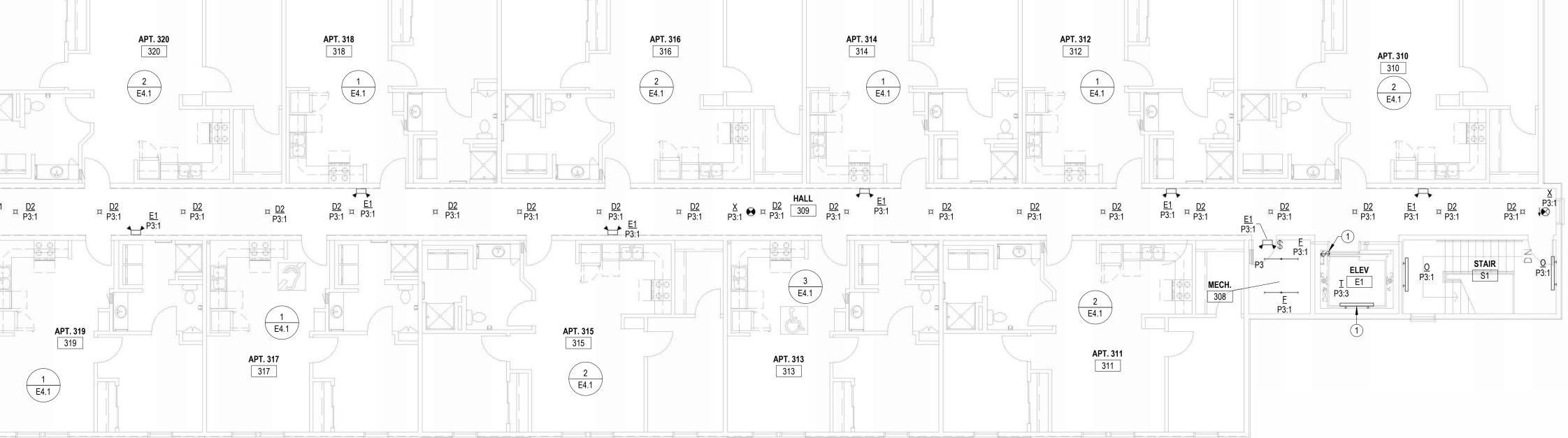














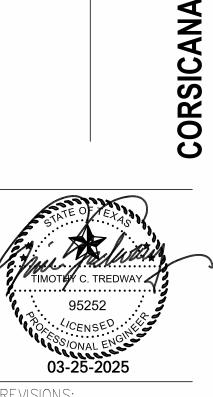
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NOTES BY SYMBOL 1 INSTALL LIGHT FIXTURE, SWITCH, AND RECEPTACLE AT TOP OF HOISTWAY. VERIFY EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR INSTALLER.





CEDAR **NEW SENIOR-LIVING FACILITY** RED **RESIDENCES A1**



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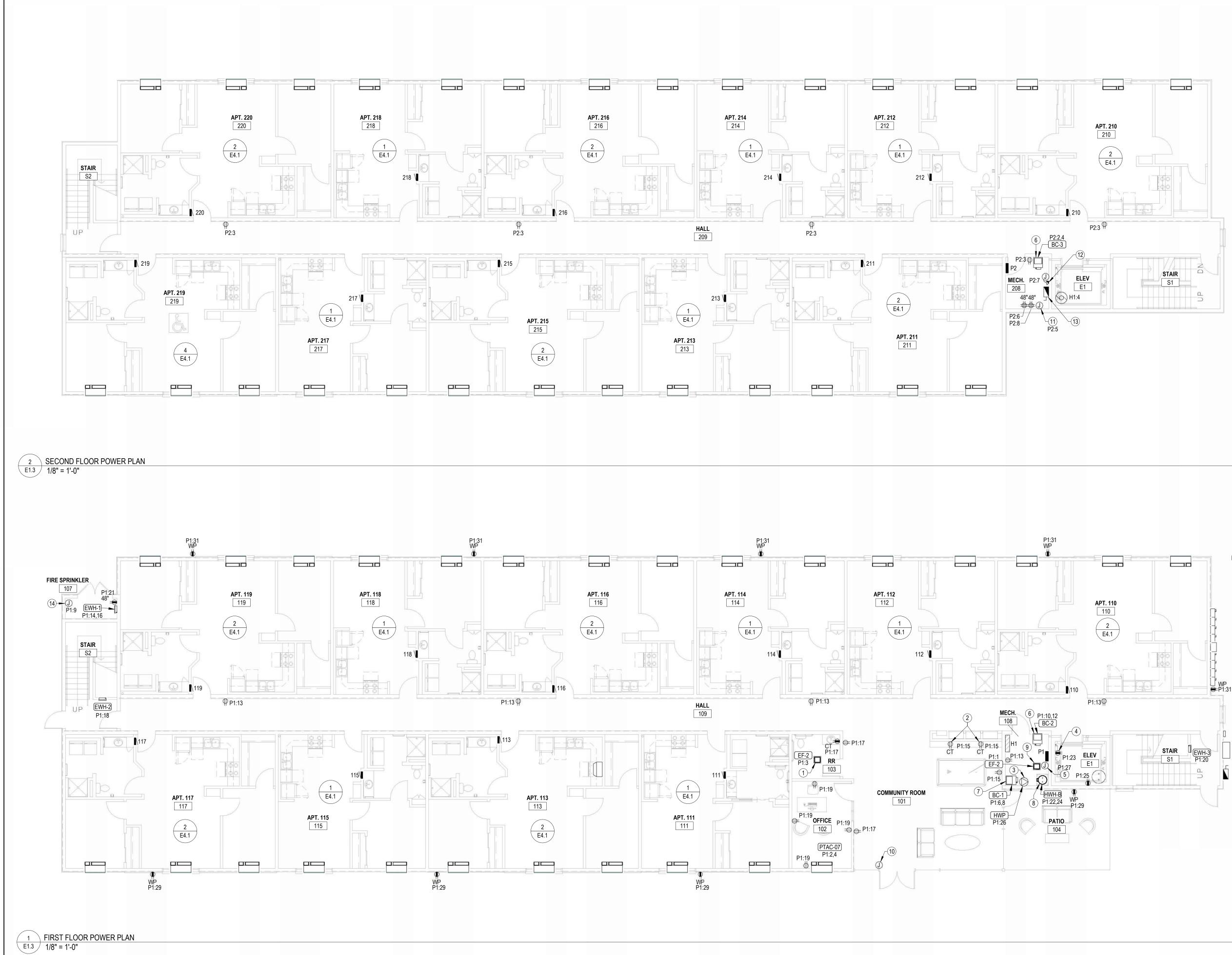
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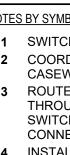
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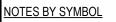






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- 1 SWITCH EXHAUST FAN WITH ROOM LIGHTS.
- 2 COORDINATE ELECTRICAL ROUGH-IN LOCATIONS WITH FINAL CASEWORK DESIGN. 3 ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP THROUGH ADJACENT AQUASTAT. PROVIDE 20A/1P SNAP

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- SWITCH ADJACENT TO PUMP AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR. INSTALL RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE 120V POWER CONNECTION TO ELEVATOR SUMP
- PUMP ALARM PANEL AND 1" CONDUIT WITH PULL STRING STUBBED INTO ELEVATOR PIT FOR CONTROL CABLING. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR. 6 PROVIDE 30A/2P, SINGLE THROW, MANUAL MOTOR
- CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELI #HBL7842D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- 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.
- 8 PROVIDE 30A/2P SNAP SWITCH AND CONNECT WATER HEATER INSTALL SWITCH ADJACENT TO WATER HEATER.
- 9 SWITCH EXHAUST FAN FOR CONTINUOUS OPERATION. 10 PROVIDE PUSH ROUGH-IN AND PREP DOOR JAM WITH RACEWAY AS INDICATED IN DETAIL 3:E6.1 FOR AUTOMATIC DOOR OPENER. COORDINATE EXACT REQUIREMENTS WITH
- OWNER. 11 PROVIDE POWER FOR ELEVATOR SHUNT TRIP CONTROL. SEE 1:E6.1 FOR MORE INFORMATION.
- 12 30A DISCONNECT SWITCH, LOCKABLE IN "OFF" POSITION, WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CORRESPONDING ELEVATOR CAR NUMBER AND CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER.
- **13** ELEVATOR POWER MODULE SWITCH: 400A/208V/3P SWITCH COMPLETE WITH 225A 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. EATON BUSSMAN #PS-4-T20-R1-K-G-B-F1 OR EQUAL. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER, AND PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER. SEE DETAIL 1:E6.1
- 14 120V POWER FOR FIRE SPRINKLER SYSTEM FLOW SWITCH(ES AND BELL. PROVIDE #8 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.



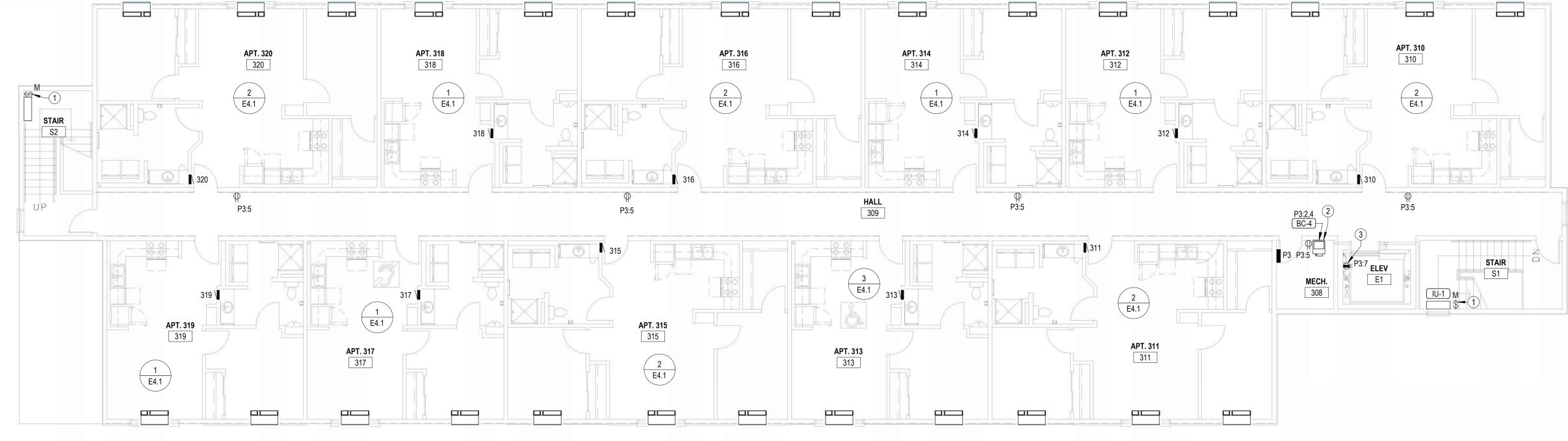


E6.2/

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E1.3









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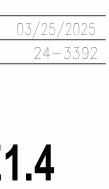
NOTES BY SYMBOL

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- 1 INDOOR UNIT POWERED FROM HEAT PUMP. PROVIDE 20A 3-POLE MOTOR RATED SNAP-SWITCH AND ROUTE (3)#12, #12G, 1/2"C BETWEEN INDOOR UNIT AND ASSOCIATED HEAT PUMP ON ROOF, SEE ME1.1 FOR HEAT PUMP LOCATIONS. 2 PROVIDE 30A/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 INSTALL LIGHT FIXTURE, SWITCH, AND RECEPTACLE AT TOP OF HOISTWAY. VERIFY EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR INSTALLER.







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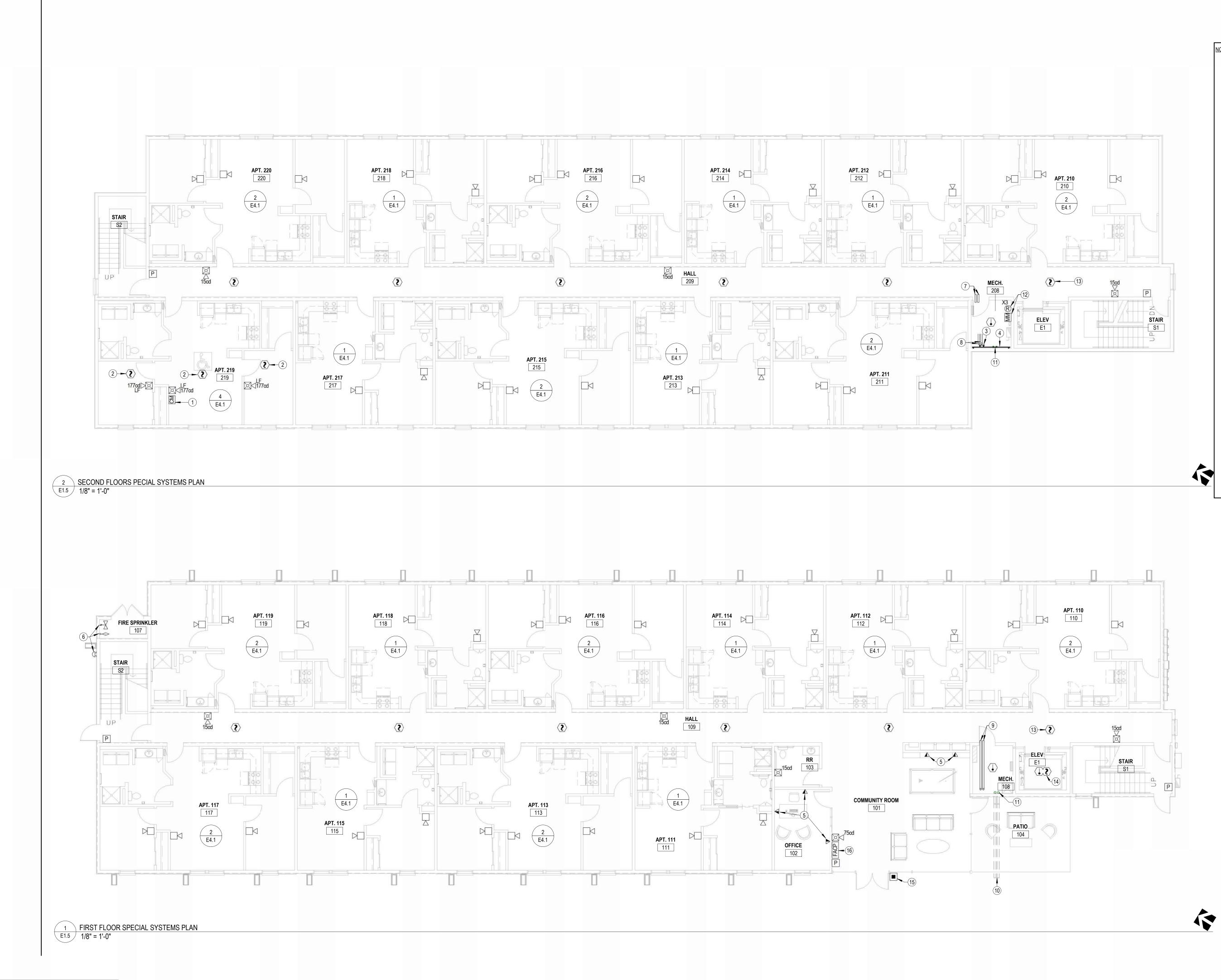
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EVISIONS:

E1.4







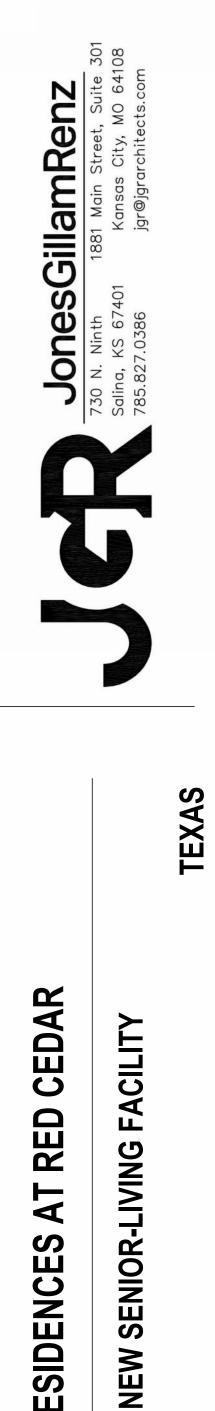
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NOTES BY SYMBOL 1 FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'-0" AFF.

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- 2 FIRE ALARM SMOKE DETECTOR.
- TELECOMMUNICATIONS GROUND BAR SHALL BE 13-1/4"W x 2"H x 3 1/4" THICK ELECTRO-TIN PLATED COPPER BUS BAR, COMPLETE WITH INSULATED STAND-OFFS AND STAINLESS STEEL BRACKETS, ERICO #TGBA14L06PT OR EQUAL. MOUNT AT 18" AFF. ALL CONNECTIONS TO GROUND BAR SHALL BE MADE USING COMPRESSION TYPE LUGS.
- PROVIDE 8" LONG SHEET OF 3/4" ACX FIRE RETARDANT 4 PLYWOOD INSTALLED VERTICALY WITH BOTTOM AT 6" AFF, WIDTHAS REQUIRED. PLYWOOD SHALL BE PERMANENTLY FASTENDED TO THE WALL BY MEANS OF WALL ANCHORSUTILIZING 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.
- COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE 5 OUTLETS WITH OWNER.
- 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.
- 4" EMT CONDUIT SLEEVE(S) THROUGH WALL WITH NYLON BUSHINGS FOR COMMUNICATIONS CABLING. QUANTITY AND SIZE AS REQUIRED. INSTALL ABOVE ACCESSIBLE CEILING. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
- 8 4" CONDUIT DOWN TO FIRST FLOOR. WHERE CONDUIT PENETRATES FIRE RATED ASSEMBLY, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS. TERMINATE CONDUIT ABOVE ACCESSIBLE CEILING.
- 9 4" CONDUIT DOWN FROM SECOND FLOOR. WHERE CONDUIT PENETRATES FIRE RATED ASSEMBLY, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS. TERMINATE CONDUIT ABOVE ACCESSIBLE CEILING.
- **10** SEE SITE PLAN FOR CONTINUATION. 11 (2) 4" CONDUIT UP TO SECOND FLOOR FOR COMMUNICATIONS SERVICES. TERMINATE ABOVE SECOND FLOOR AND BELOW COMMUNICATIONS BACKBOARD.
- 12 ADDRESSABLE FIRE ALARM RELAYS FOR ELEVATOR RECALL, FIREMAN'S HAT, AND POWER SHUNT-TRIP, AND ADDRESSABLE MONITORING MODULE FOR MONITORING OF SHUNT TRIP VOLTAGE. SEE DETAIL 1, SHEET E6.1.
- 13 ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 1, SHEET E6.1.
- 14 SMOKE DETECTOR AND HEAT DETECTOR IN ELEVATOR PIT FOR RECALL AND SHUT-DOWN. SEE DETAIL 1, SHEET E6.1. 15 PROVIDE PUSH ROUGH-IN AND PREP DOOR JAM WITH RACEWAY
- AS INDICATED IN DETAIL 3:E6.1 FOR AUTOMATIC DOOR OPENER. COORDINATE EXACT REQUIREMENTS WITH OWNER. 16 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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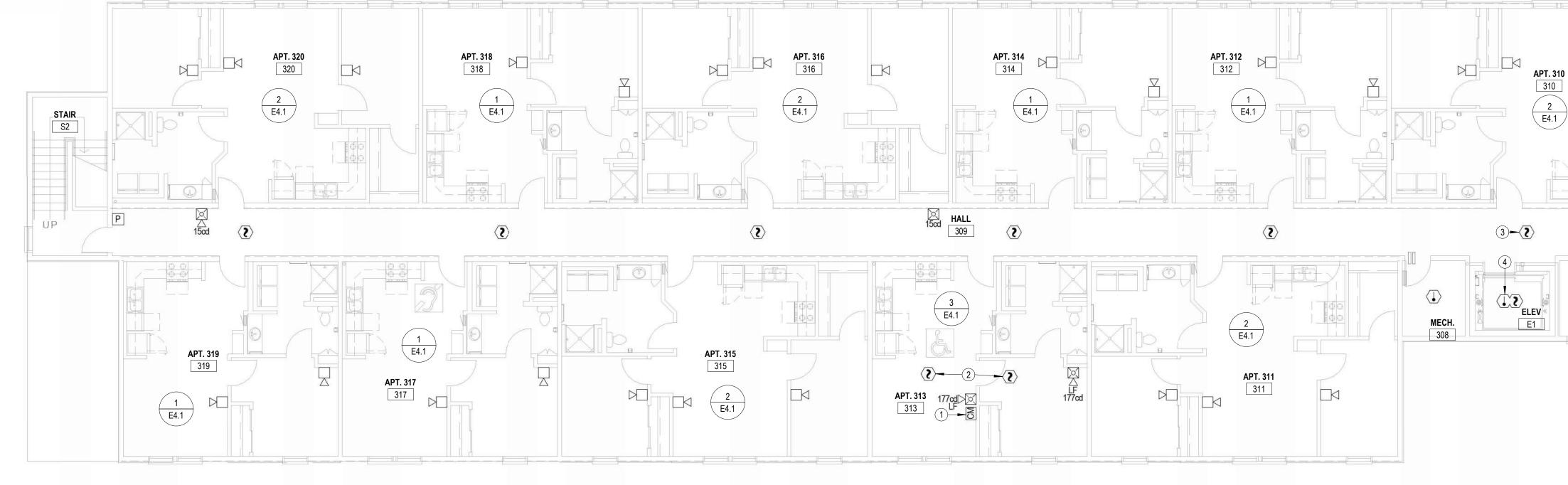
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NOTES BY SYMBOL

1	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.
2	FIRE ALARM SMOKE DETECTOR.
3	ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR
	RECALL. SEE DETAIL 1, SHEET E6.1.
4	SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF
	ELEVATOR HOISTWAY FOR RECALL AND SHUT-DOWN.

SEE DETAIL 1, SHEET E6.1.

Project 24073



NEW SENIOR-LIVING FACILITY

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CEDAR RED **RESIDENCES A1**

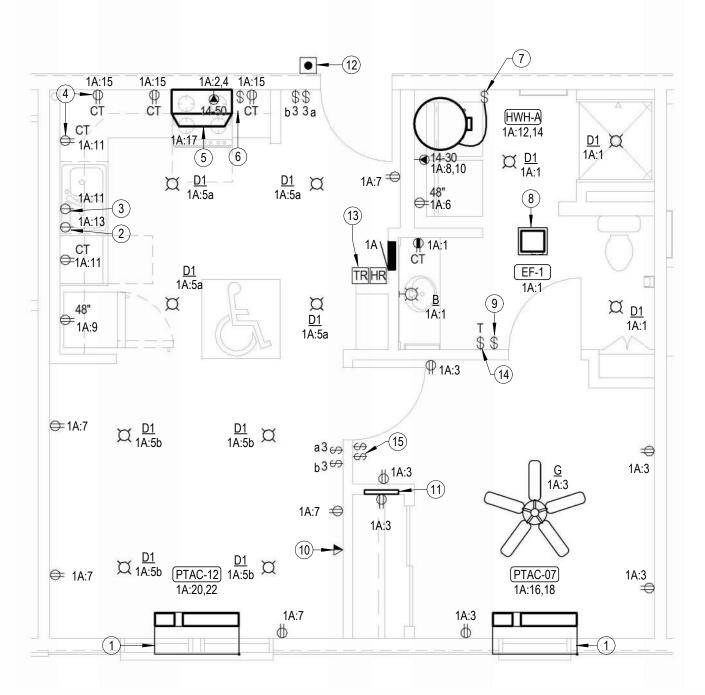


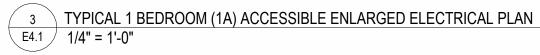
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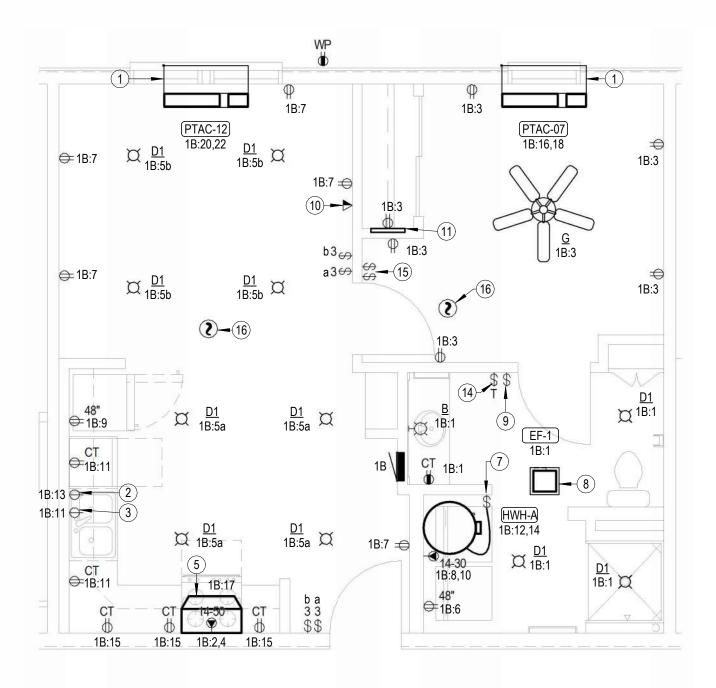
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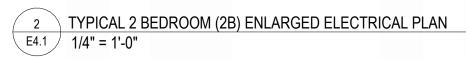


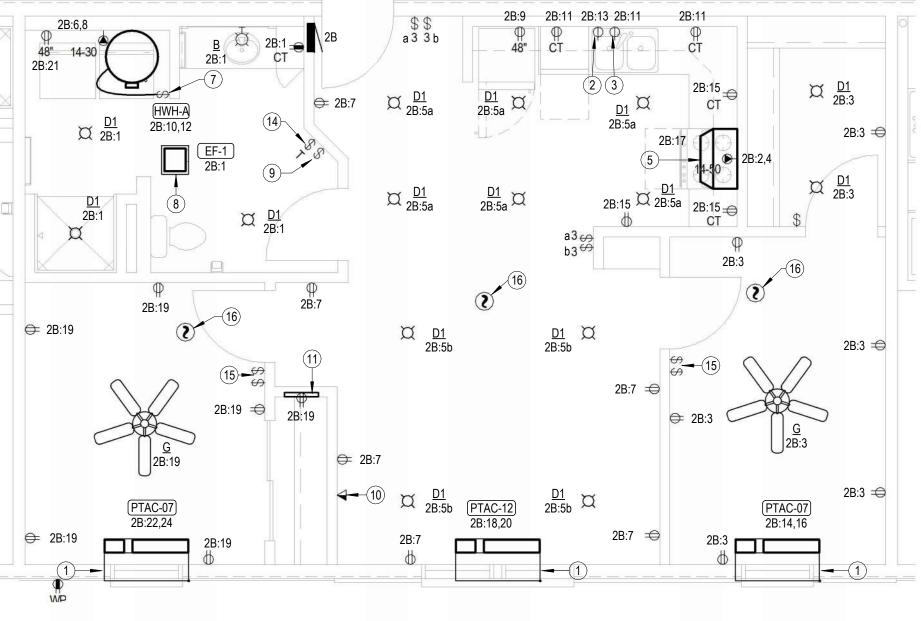


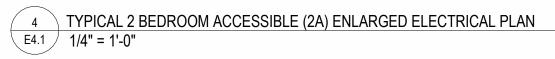


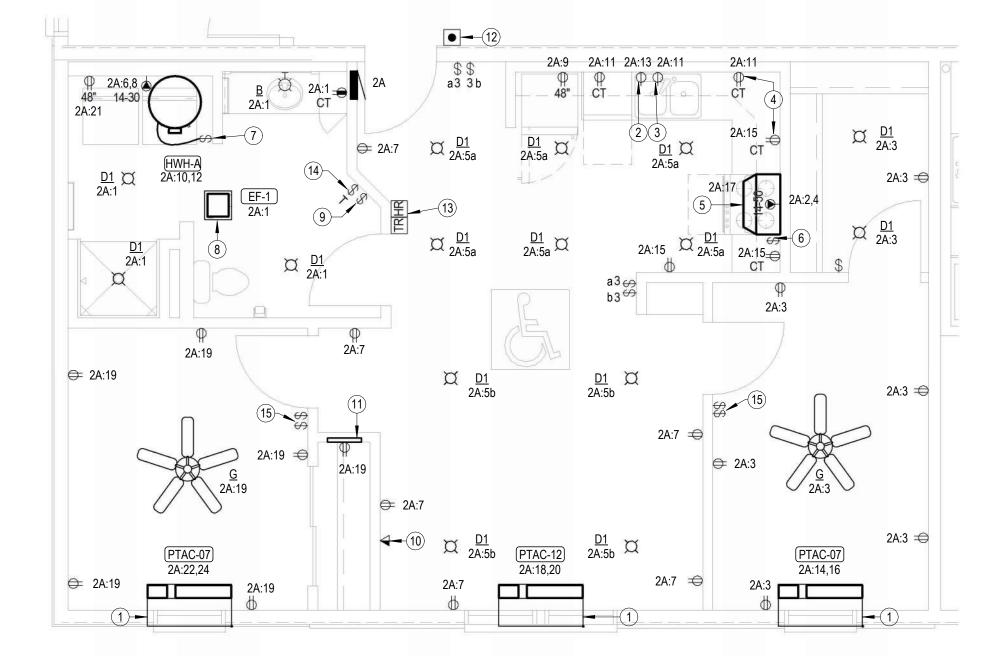


1 TYPICAL 1 BEDROOM (1B) ENLARGED ELECTRICAL PLAN E4.1 1/4" = 1'-0"





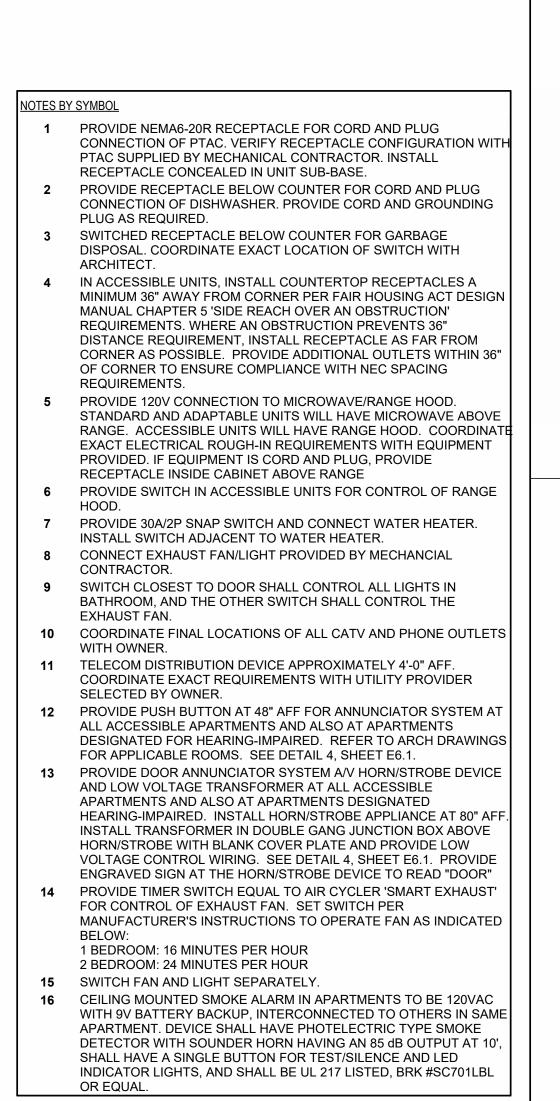






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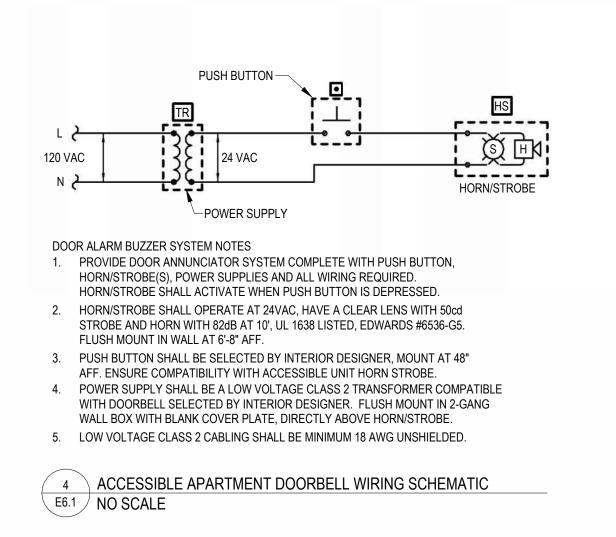
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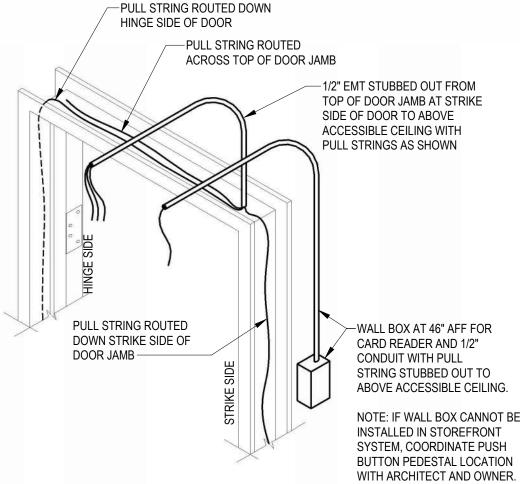


C Φ lamR JonesGill TEXAS **C** 4 FACILITY ш \mathbf{O} **NEW SENIOR-LIVING** 2 4 RESIDENCES CORSICANA 95252 03-25-2025 EVISIONS: 03/25/2025 24-3392 SHEET NO.:



E4.1





DOOR ACCESS CONTROL ROUGH-IN DIAGRAM

				LI	GHT FIXTURE SCHED	DULE			
MARK	MANUFACTURER	MODEL NUMBER	WATTAGE	LUMEN OUTPUT	DRIVER	MOUNTING	FINISH	DESCRIPTION	NOTES
В	TBD	SELECTED BY OWNER	35 W	2800 lm	STANDARD	SURFACE WALL	WHITE	LED VANITY LIGHT	
С	TBD	SELECTED BY OWNER			0-10V DIMMING TO 10%	CEILING SURFACE	TBD	POOL TABLE LIGHT SELECTED BY OWNER	
D1	HALO	SMD6R6930WH	10 W	777 lm	0-10V DIMMING TO 10%	CEILING SURFACE	WHITE	6" DIA ROUND SURFACE MOUNT DOWNLIGHT	6,11
D2	HALO	SMD6R12930WH	16 W	1271 lm	0-10V DIMMING TO 10%	CEILING SURFACE	WHITE	6" DIA ROUND SURFACE MOUNT DOWNLIGHT	
E1	LITHONIA	ELM6L UVOLT LTP				SURFACE WALL	WHITE	LED DUAL-HEAD EMERGENCY LIGHT	1
F	DAY-BRITE CFI	FSS440L840-UNV-DIM	30 W	4077 lm	0-10V DIMMING TO 10%	SUSPENDED	WHITE	4' STANDARD STRIP WITH CURVED FROSTED ACRYLIC LENS	
G	SEAGULL	15030EN-829	20 W		STANDARD	CEILING SURFACE	BRONZE	52" DIAMETER CEILING FAN WITH LED LIGHT KIT	
Н	LITHONIA	FML4W-48-5000LM-840-ZT-MVOLT	53 W	5000 lm	LED DRIVER, 0-10V DIMMABLE, 10%	SURFACE	WHITE	1x4 SURFACE, LED DECORATIVE	
М	LITHOINA	P6RD12094WCL-Z10U	10 W	1000 lm	0-10V DIMMING TO 10%	RECESSED	WHITE	6" ROUND RECESSED MOUNTED DOWNLIGHT	4
N1	GARDCO	GCM-B05-840-WAW-SPT	36 W	3000 lm	STANDARD	SURFACE WALL	BLACK	EXTERIOR LED UP/DOWN WALL SCONCE WITH SPOT UP AND WALL WASH DOWN DISTRIBUTION	
N2	GARDCO	GCM-B02-840-SPT	18 W	1611 lm	STANDARD	SURFACE WALL	BLACK	EXTERIOR LED UP ONLY WALL SCONCE WITH SPOT DISTRIBUTION	
0	LITHOINA	WL4-40L-EZ1-LP830-MSD7-DIM50-E10WLCP	40 W	3927 lm	STANDARD	SURFACE WALL	WHITE	4 FT. WALL MOUNTED STAIRWELL LIGHT WITH INTEGRAL OCCUPANCY SENSOR, 50% DIMMING WHEN UNOCCUPIED, AND EMERGENCY BATTERY BACKUP	8
R1	LITHONIA	DSX0-LED-P6-40K-70CRI-T5W-MVOLT	137 W	18180 lm	LED DRIVER	ROUND POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE V DISTRIBUTION	3,7,10
R2	LITHONIA	DSX0-LED-P1-40K-70CRI-T2M-MVOLT-HS	33 W	4735 lm	LED DRIVER	ROUND POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE II DISTRIBUTION WITH HOUSESIDE SHIELD	3,7,10
R3	LITHONIA	DSX0-LED-P1-40K-70CRI-T3M-MVOLT	33 W	4790 lm	LED DRIVER	ROUND POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE III DISTRIBUTION	3,7,10
R4	LITHONIA	DSX0-LED-P1-40K-70CRI-T4M-MVOLT	33 W	4860 lm	LED DRIVER	ROUND POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE IV DISTRIBUTION	3,7,10
S	ACCLAIM	DFB-111-AKEU	50 W	2455 lm	STANDARD	GRADE	BLACK	IP-66 RATED, GRADE MOUNTED LED FLOOD LIGHT	3
Т	LITHOINA	FEM-L48-4000LM-IMAFL-WD-MVOLT-GZ10-35K-80CRI	24 W	3615 lm	STANDARD	SURFACE WALL	WHITE	4 FT. FULLY ENCLOSED AND GASKETED INDUSTRIAL FIXTURE WITH FROSTED, RIBBED, IMPACT-RESISTANT ACRYLIC LENS	
W	LITHONIA	MRWLED-P1-40K-SR4-MVOLT-E20WC	20 W	2189 lm	STANDARD	WALL	BLACK	EXTERIOR LED WALL PACK WITH IES TYPE 4 DISTRIBUTION, AND EMERGENCY BATTERY BACKUP	1,3
Х	LIFE SAFETY LIGHTING	LSXS2RWEMSDT				CEILING	WHITE	UNIVERSAL SINGLE/DOUBLE FACE POLYCARBONATE EXIT SIGN	2

GENERAL: ALL LED FIXTURES SHALL ADHERE TO LM79 AND LM80 STANDARDS

PROVIDE MANUFACTURER'S FLANGE KIT WHERE LAY-IN FIXTURES ARE TO BE INSTALLED IN GYP.

ALL APARTMENT LIGHT FIXTURES SHALL BE ENERGY STAR CERTIFIED

1. PROVIDE FIXTURE WITH EMERGENCY BATTERY INTEGRAL 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. U.L. LISTED FOR 'WET LOCATION'. 4. U.L LISTED FOR 'DAMP LOCATION'.

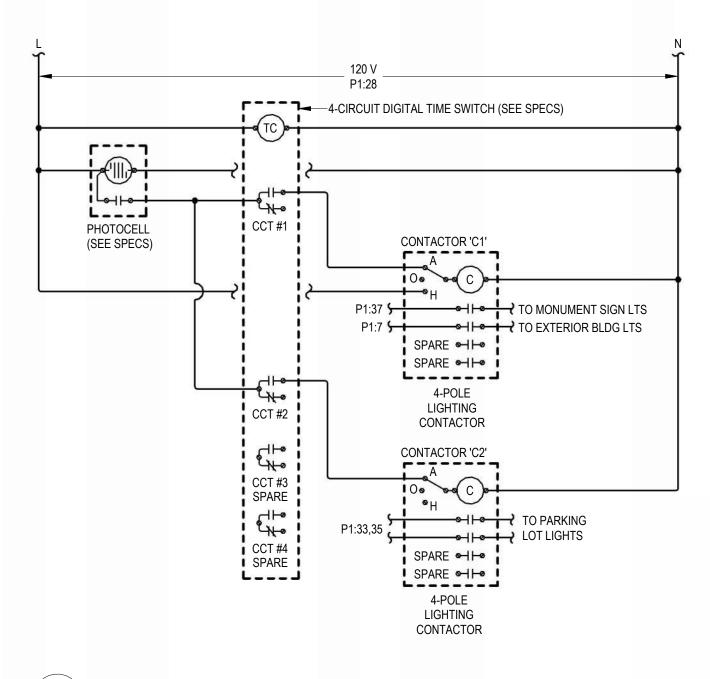
5. FIXTURE TO BE SELECTED BY INTERIOR DESIGNER, COORDINATE ALL REQUIREMENTS WITH INTERIOR DESIGNER

6. WHERE INSTALLED IN BATHROOMS TO BE 'DAMP LOCATION' U.L. LISTED, WHERE ABOVE SHOWERS TO BE 'WET LOCATION' U.L. LISTED. 7. FIXTURE/POLE ASSEMBLY SHALL BE RATED FOR 100 MPH WIND LOADS. PROVIDE WITH VIBRATION DAMPER PER MANUFACTURER'S RECOMMENDATIONS.

8. PROVIDE FIXTURE WITH INTEGRAL OCCUPANCY SENSOR AND CONTROLS TO DIM FIXTURE TO 50% LIGHT OUTPUT WITH UNOCCUPIED. 9. PROVIDE FIXTURE/POLE ASSEMBLY WITH 10' ROUND STRAIGHT STEEL POLE, BLACK TO MATCH FIXTURE. FIXTURE HEIGHT SHALL NOT EXCEED 11'-0".

10. PROVIDE FIXTURE/POLE ASSEMBLY WITH 20' ROUND STRAIGHT STEEL POLE, BLACK TO MATCH FIXTURE. FIXTURE HEIGHT SHALL NOT EXCEED 23'-0".

11. FIXTURE TO COMPLY WITH NEC 410-16(C)(5) WHERE INSTALLED IN CLOSETS.



ABOVE ACCESSIBLE CEILING. NOTE: IF WALL BOX CANNOT BE INSTALLED IN STOREFRONT SYSTEM, COORDINATE PUSH BUTTON PEDESTAL LOCATION

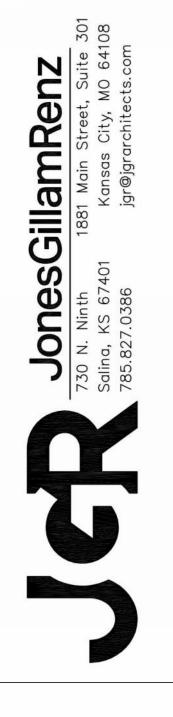
LIGHTING CONTROL DIAGRAM / NO SCALE E6.1



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TEXAS

CED RED A S В RESIDEN

CONTROL WIRING TO ELEVATOR

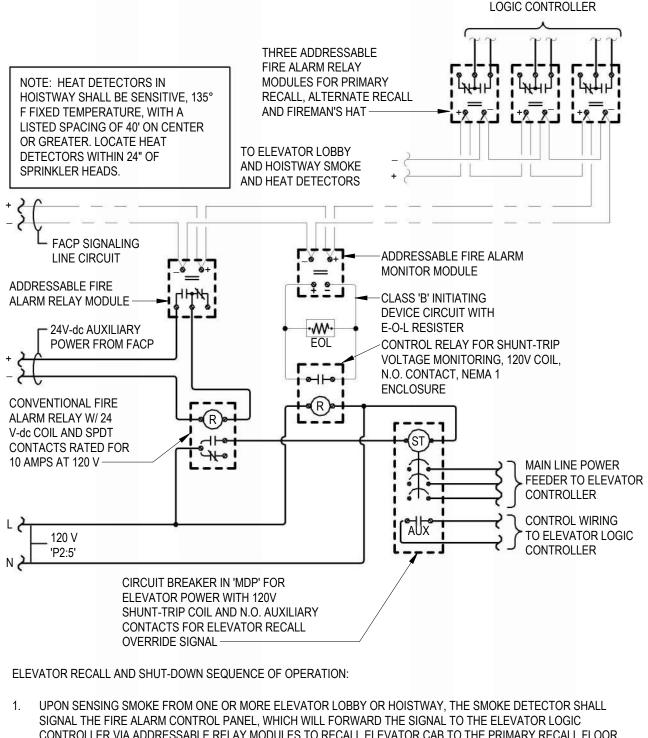
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FACILITY

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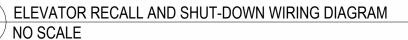
NEW

CORSICANA



- 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.





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E6.'

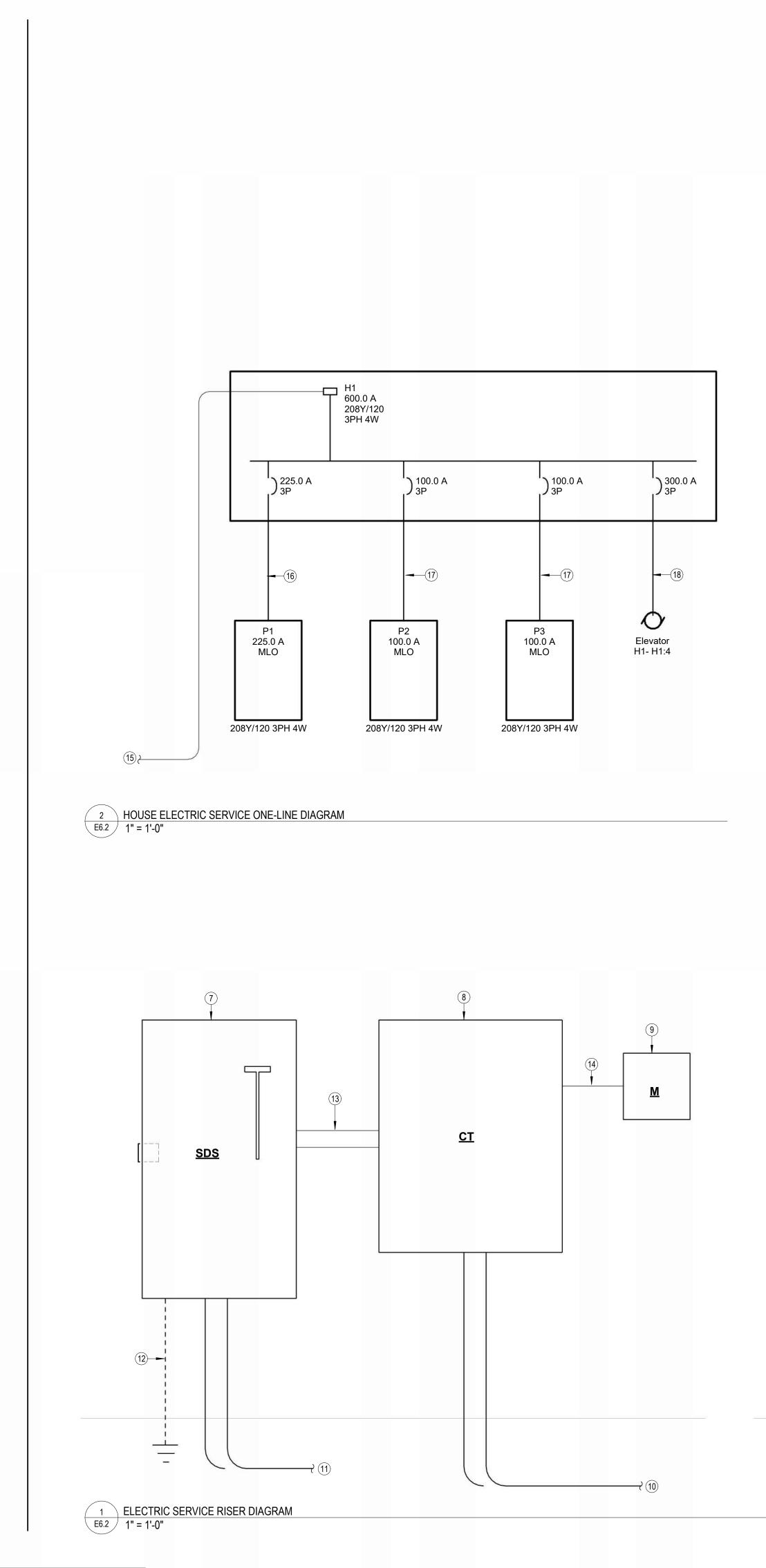
C. TREDWAY

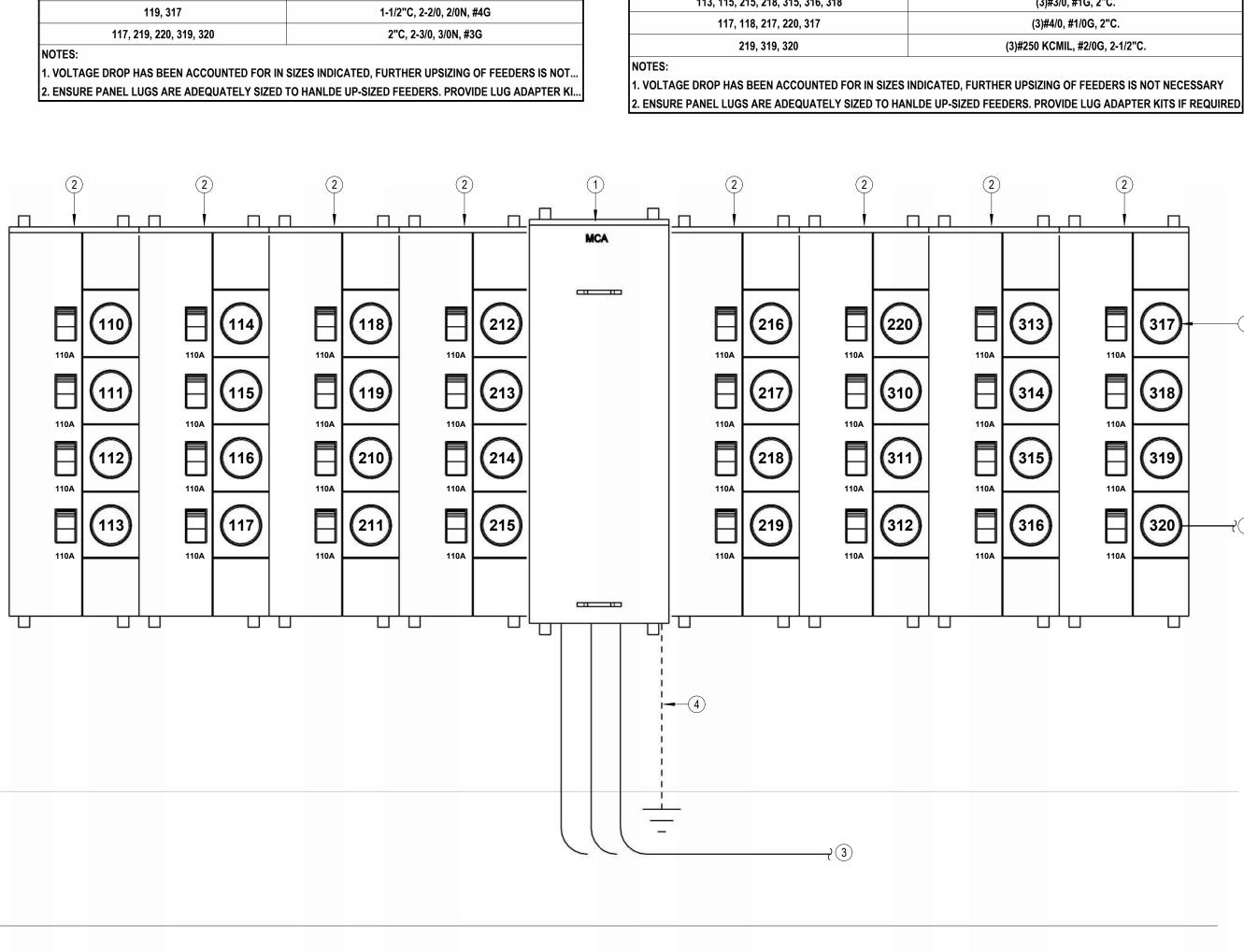
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03-25-2025

EVISIONS:

SHEET NO.:





APARTMENT FEEDER SCHEDULE (COPPER)

APARTMENT PANEL NUMBER	FEEDER SIZE
110, 111, 112, 114, 116, 118, 210, 211, 212, 213, 214, 216, 218, 310, 311, 312, 313, 314	1-1/4"C, 2#1, #1N, #6G
113, 115, 215, 217, 315, 316, 318	1-1/2"C, 2-1/0, 1/0N, #4G
119, 317	1-1/2"C, 2-2/0, 2/0N, #4G
117, 219, 220, 319, 320	2"C, 2-3/0, 3/0N, #3G

APARTMENT PANEL NUMBER 110, 111, 112, 114, 210, 211, 212, 214, 310, 311, 312, 314 116, 118, 213, 216, 313 113, 115, 215, 218, 315, 316, 318

APARTMENT FEEDER SCHEDULE (ALUMINUM)

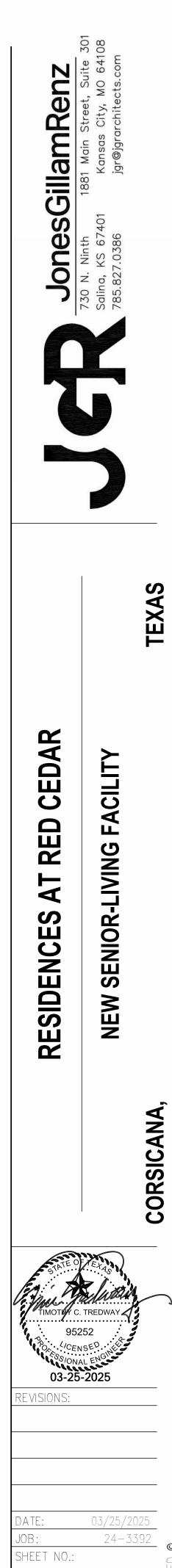
FEEDER SIZE (3)#1/0, #3G, 1-1/2"C. (3)#2/0, #G, 2"C. (3)#3/0, #1G, 2"C.



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03/25/2025



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NOTES BY SYMBOL

- METER CENTER MAIN, 3-PH IN; 3-PH OUT, 208/120V-3PH, 4 WIRE WITH 1 1000A/3P MAIN BREAKER, 65 KAIC RATED, SERVICE ENTRANCE RATED WITH INTEGRAL SURGE PROTECTION DEVICE. SQUARE D 'EZ METER-PAK' #EZM31000CB. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 1 OF 2'
- 4-SOCKET BRANCH UNITS, 3-PH IN; 1-PH OUT, WITH (4) 125A BRANCH 2 BREAKERS AS INDICATED. METER SOCKETS SHALL BE RINGLESS TYPE, 5-JAW WITH LEVER BYPASS SQUARE D 'EZ METER-PAK' #EZML314125. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED.
- (3) PARALLEL 4" CONDUITS EACH WITH (4) #400 KCMIL COPPER FROM 3 TRANSFORMER TO METER CENTER.
- #3/0 CU GROUNDING ELECTRODE CONDUCTOR TO CONCRETE ENCASED 4 ELECTRODE, UNDERGROUND METAL WATER PIPE, AND DRIVEN GROUND ROD. BOND ALL ITEMS IN ACCORDANCE WITH NEC ARTICLE 250.
- 5 SEE FEEDER SCHEDULE, THIS SHEET FOR SIZES TO APARTMENT UNIT LOAD CENTERS. MAXIMUM HEIGHT TO CENTERLINE OF TOP METER SOCKET SHALL BE 6'-0' 6
- AFG. 600A/3P SERVICE ENTRANCE RATED DISCONECT SWITCH WITH SOLID 7 NEUTRAL AND (3) 600A DUAL-ELEMENT, TIME-DELAY, CLASS 'RK1' FUSES IN NEMA 3R ENCLOSURE. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO
- READ 'SERVICE DISCONNECT 2 OF 2' TRANSOCKET ENCLOSURE (33"x42"x15") PER ONCOR REQUIREMENTS. 8 CT RATED METER PROVIDED BY UTILITY, INSTALLED BY E.C. PROVIDE 9 SUPPLY SIDE BONDING JUMPER TO HOUSE METER PER ONCOR
- REQUIREMENTS. (2) PARALLEL 4" CONDUITS EACH WITH (4) #350 KCMIL COPPER FROM 10 TRANSFORMER TO CT ENCLOSURE.
- (2) PARALLEL 3" CONDUITS, EACH WITH (4) #350 KCMIL, #1G COPPER 11 FROM 'SDS' TO PANEL 'H1'.
- 12 #1 CU GROUNDING ELECTRODE CONDUCTOR TO CONCRETE ENCASED ELECTRODE, UNDERGROUND METAL WATER PIPE, AND DRIVEN GROUND ROD. BOND ALL ITEMS IN ACCORDANCE WITH NEC ARTICLE 250. 13 (2) PARALLEL 3" CONDUITS, EACH WITH (4) #350 KCMIL
- 14 1" CONDUIT FOR POWER COMPANY PROVIDED METER WIRING.
- **15** SEE 1:E6.2 FOR CONTINUATION.
- **16** (4)#4/0, #4G., 2-1/2"C. **17** (4)#1, #8G., 1-1/2"C.
- **18** (3)#350 KCMIL, #350 KCMIL G., 3"C.

NOTES:

Meter Center main circuit breaker shall be 65 kAIC fully rated. Feeder breakers may be series rated with main breaker for a 65 kAIC rating.

- 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:
 - Oncor
 - Kayla Rowe

kayla.rowe2@oncor.com 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.

- 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 1/8" letters, minimum.



	Installed Location: 1 Bedroom Dwelling Unit Voltage: 120/208 1PH 3W-1Ph-3W Mounting: Flush Enclosure: NEMA 1			MCB	Amps: Amps: tures & ations:	MLO	/IDE INTE	GRAL S	M	SCCR/AIC: 22.0 kA Mains FN/Note: - ECTION		
Ckt	Description	Circuitry	Trip (A)	FN	4	4	В	FN	Trip (A)	Circuitry	Description	Ckt
1B:1	Bathroom	1/2"C,1#12,#12N,#12G	20		2.8 A	40		-	50	2/4//0 0//0 //00/ //400	D	1B:2
1B:3	Master Bedroom	1/2"C,1#12,#12N,#12G	20	Α			9.2 A 40.	G	50	3/4"C,2#6,#6N,#10G	Range	1B:4
1B:5	Kitchen/Living/Hall Lights	1/2"C,1#12,#12N,#12G	20	Α	0.7 A	1.5 A		AG	20	1/2"C,1#12,#12N,#12G	Clothes Washer Receptacle	1B:6
1B:7	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	A			7.5 A 24.	G	30	1/2"C,2#10,#10N,#10G	Clothes Dryer	1B:8
1B:9	Refrigerator	1/2"C,1#12,#12N,#12G	20	AG	1.5 A				30	1/2 C,2#10,#10N,#10G	Ciotiles Diver	1B:10
1B:11	Counter Top Receptacles	1/2"C,1#12,#12N,#12G	20	AG			7.2 A 21.		30	1/2"C,2#10,#10G	Electric Water Heating	1B:12
1B:13	Dishwasher	1/2"C,1#12,#12N,#12G	20	AG	4.2 A	21			50	1/2 0,2#10,#100		1B:14
1B:15	Counter Top Receptacles	1/2"C,1#12,#12N,#12G	20	AG			4.5 A 9.4	A	15	1/2"C,2#12,#12G	P-TAC Master Bedroom	1B:16
1B:17	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	AG	2.1 A	9.4 A			15	1/2 0,2#12,#120	F-TAC Master Bedroom	1B:18
1B:19	Space						9.4	A	15	1/2"C,2#12,#12G	P-TAC Living Room	1B:20
1B:21	Surge Protector		20		0.0 A				10	1/2 0,2#12,#120		1B:22
1B:23	Surge Protector		20				0.0 A				Space	1B:24

Designation: 2B

	Installed Location: 2 Bedroom Dwelling Unit Voltage: 120/208 1PH 3W-1Ph-3W Mounting: Flush Enclosure: NEMA 1			MCB Feat	Amps: 125 Amps: MLO ures & ations: ⁻				Μ	SCCR/AIC: 22.0 kA lains FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN	A	В	FN	N Trip (A)	Circuitry	Description	Ckt
2B:1 2B:3	Bathroom Master Bedroom	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20	A	2.8 A 40	9.4 A 40	G	50	3/4"C,2#6,#6N,#10G	Range	2B:2 2B:4
2B:5 2B:7	Kitchen/Living/Hall Lights Living Room Receptacle	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20	A A	0.9 A 24	9.0 A 24	G	30	1/2"C,2#10,#10N,#10G	Clothes Dryer	2B:6 2B:8
2B:9 2B:11	Refrigerator Counter Top Receptacles	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20	AG AG	1.5 A 21	7.2 A 21		30	1/2"C,2#10,#10G	Electric Water Heating	2B:10 2B:12
2B:13 2B:15	Dishwasher Counter Top Receptacles	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20	AG AG	4.2 A 9.4 A			15	1/2"C,2#12,#12G	P-TAC Master Bedroom	2B:14 2B:16
2B:10 2B:17 2B:19	Hood/Microwave Spare Bedroom	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20 20		2.1 A 9.4 A			15	1/2"C,2#12,#12G	P-TAC Living Room	2B:18 2B:20
2B:13 2B:21 2B:23	Clothes Washer Receptacle	1/2"C,1#12,#12N,#12G	20	AG	1.5 A 9.4 A	0.4		15	1/2"C,2#12,#12G	P-TAC Spare Bedroom	2B:22 2B:22 2B:24
2B:23 2B:25	Space Space					9.4				Space	2B:24 2B:26
2B:27 2B:29	Surge Protector Surge Protector		20 20		0.0 A	0.0 A				Space Space	2B:28 2B:30

Installed Location: 1 Bedroom Accessible Dwelling Unit Voltage: 120/208 1PH 3W-1Ph-3W Mounting: Flush Enclosure: NEMA 1				MCB	Amps: Amps: ures & ations:	MLO		GRAL S	URGE PRO		SCCR/AIC: 22.0 kA ns FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN		4	В	FN	Trip (A)	Circuitry	Description	CI
1A:1	Bathroom	1/2"C,1#12,#12N,#12G	20		2.8 A	40			50	2/4/10 0/10 //01 //400	Dense	1A
1A:3	Master Bedroom	1/2"C,1#12,#12N,#12G	20	а			9.2 A 40	G	50	3/4"C,2#6,#6N,#10G	Range	1A
1A:5	Kitchen/Living/Hall Lights	1/2"C,1#12,#12N,#12G	20	а	0.7 A	1.5 A		AG	20	1/2"C,1#12,#12N,#12G	Clothes Washer Receptacle	1/
IA:7 IA:9	Living Room Receptacles Refrigerator	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20	A AG	1.5 A	24	7.5 A 24	G	30	1/2"C,2#10,#10N,#10G	Clothes Dryer	1.
A:11 A:13	Counter Top Receptacles Receptacle - Dedicated	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20	AG AG			7.2 A 21		30	1/2"C,2#10,#10G	Electric Water Heating	1/
A:15 A:17	Counter Top Receptacles Hood/Microwave	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20 20	AG	2.1 A		4.5 A 9.4	Α	15	1/2"C,2#12,#12G	P-TAC Master Bedroom	1/
A:19 A:21	Space Surge Protector		20			9.4 A	9.4	Α	15	1/2"C,2#12,#12G	P-TAC Living Room	1
A:23	Surge Protector		20		0.0 A		0.0 A -				Space	1

De	esignation: 2A					:								
	Installed Location: 2 Bedroom Accessible Dwe	ellina Unit		Bus	Amps:	125				SCCR/AIC: 22.0 kA Mains FN/Note: -				
	Voltage: 120/208 1PH 3W-1Ph-3W	3			Amps									
	Mounting: Flush				ures 8									
	-		М		ations	-								
	Enclosure: NEMA 1			oumot										
			-1											
Ckt	Description	Circuitry	Trip (A)	FN		A	В	FN	Trip (A)	Circuitry	Description	Ckt		
2A:1	Bathroom	1/2"C,1#12,#12N,#12G	20		2.8 A	40		<u> </u>	50	3/4"C,2#6,#6N,#10G	Range	2A:2		
2A:3	Master Bedroom	1/2"C,1#12,#12N,#12G	20	Α			9.4 A 40	g	50	5/4 C,2#0,#010,#10G	Range	2A:4		
2A:5	Kitchen/Living/Hall Lights	1/2"C,1#12,#12N,#12G	20	A	0.9 A	24		G	30	1/2"C,2#10,#10N,#10G	Clothes Dryer	2A:6		
2A:7	Living Room Receptacle	1/2"C,1#12,#12N,#12G	20	A			9.0 A 24	G	30	1/2 0,2#10,#100,#100	Clothes Dryer	2A:8		
2A:9	Refrigerator	1/2"C,1#12,#12N,#12G	20	AG	1.5 A	21			30	1/2"C,2#10,#10G	Electric Water Heating	2A:10		
2A:11	Counter Top Receptacles	1/2"C,1#12,#12N,#12G	20	AG			7.2 A 21		30			2A:12		
2A:13	Dishwasher	1/2"C,1#12,#12N,#12G	20	AG	4.2 A	9.4 A			15	1/2"C 2#12 #12C	D TAC Master Bedroom	2A:14		
2A:15	Counter Top Receptacles	1/2"C,1#12,#12N,#12G	20	AG			4.5 A 9.4 A		15	1/2"C,2#12,#12G	P-TAC Master Bedroom	2A:16		
2A:17	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	AG	2.1 A	9.4 A			15	1/2"C 2#12 #12C	D TAC Living Doom	2A:18		
2A:19	Spare Bedroom	1/2"C,1#12,#12N,#12G	20	Α			9.2 A 9.4 A		15	1/2"C,2#12,#12G	P-TAC Living Room	2A:20		
2A:21	Clothes Washer Receptacle	1/2"C,1#12,#12N,#12G	20	AG	1.5 A	9.4 A			15	1/2"C 2#12 #12C	D TAC Crere Dedreem	2A:22		
2A:23	Space						9.4 A		15	1/2"C,2#12,#12G	P-TAC Spare Bedroom	2A:24		
2A:25	Space										Space	2A:26		
2A:27	Surge Protector		20				0.0 A				Space	2A:28		
2A:29	Surge Protector		20		0.0 A						Space	2A:30		

Panelboard: H1

Location: MECH 108

Supply: Mounting: Surface Enclosure: NEMA 1 Features & Modifications: -

Voltage: 208 V, 3 Ø, 4 W Bus Rating: 600 A Neutral: 100%

Mains Type: MCB Mains Rating: 600 A

Mains FN/Note: -SCCR: 65 kA

Ckt	Description	Frame (A)	Trip (A)	Poles	FN/Note
H1:1	P1	225	225	3	
H1:2	P2	100	100	3	
H1:3	P3	100	100	3	
H1:4	Elevator	300	300	3	
H1:5	Space			3	
H1:6	Space			3	

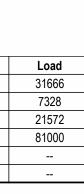
Load Classification	Connected	Factor	Demand	Panel T		
Motor	5217 VA	108.97%	5685 VA	Connected Load:	142	
Other	2880 VA	100.00%	2880 VA	Connected Current:	39	
Lighting - Interior	3721 VA	125.00%	4652 VA	Demand Load:	15	
Receptacle - General	7740 VA	100.00%	7740 VA	Demand Current:	41	
Electric Water Heating	4500 VA	125.00%	5625 VA	Non-Coincident	28	
Electric Heat	26211 VA	125.00%	32763 VA	Total Est. Demand	38	
Elevator	81000 VA	100.00%	81000 VA			
Cooling	10296 VA	100.00%	10296 VA			

	Installed Location: MECH 108 Voltage: 208Y/120 3PH 4W-3Ph-4 Mounting: Surface Enclosure: NEMA 1	łW		MC	us An CB An eature ficatio	nps:	MLO	/IDE I	NTEG	RAL SU	JRGE	E PROTE		SCCR/AIC: 42.0 kA ns FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN	۵	•	В	5	С	F	N	Trip (A)	Circuitry	Description	Ckt
P1:1 P1:3	LTG - First Floor Hall LTG - Community Room / Office/ RR	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20		60		47	98				15	1/2"C,2#12,#12G	PTAC - Office 102	P1:2 P1:4
P1:5 P1:7	LTG - Elevator Pit LTG - Exterior Building Mounted	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20		86				24 2	29		40	1/2"C,2#8,#10G	Blower Coil - 'BC-1'	P1:6
P1:9 P1:11	Fire Sprinkler Flow Swtiches Lighting - Interior		20				36	18	0 VA ⁻	18		30	1/2"C,2#10,#10G	Blower Coil - 'BC-2'	P1:1
P1:13 P1:15	RCPT - First Floor Hall/Mech. RCPT - Comm. RM 101	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20 20		90		54					20	1/2"C,2#8,#8G	Electric Wall Heater - 'EWH-1'	P1:14
P1:17	RCPT - Comm. RM 101 / RR 103	1/2"C,1#12,#12N,#12G	20				04		54 ⁻	15		20	1/2"C,1#8,#8N,#8G	Electric Wall Heater - 'EWH-2'	P1:10
P1:19	RCPT - Office 102	1/2"C,1#12,#12N,#12G	20		72	15			•	•		20	1/2"C,1#12,#12N,#12G	Electric Wall Heater - 'EWH-3'	P1:2
P1:21 P1:23	RCPT - Fire Sprinkler 107 RCPT - Elevator Pit	1/2"C,1#12,#12N,#12G 1/2"C,1#12,#12N,#12G	20 20				18		18 2	22		30	1/2"C,2#10,#10G	Electric Water Heater - 'HWH-B'	P1:2
P1:25	Elevator Sump Pump	1/2"C,1#12,#12N,#12G	20		11	11						20	1/2"C,1#12,#12N,#12G	Hot Water Recirculation Pump	P1:2
P1:27	Elevator Sump Pump Controls	1/2"C,1#12,#12N,#12G	20				36	0 VA				20	1/2"C,1#12,#12N,#12G	Lighting Controls	P1:2
P1:29	RCPT - Exterior West	1/2"C,1#12,#12N,#12G	20						72 3	36		20	1/2"C,1#12,#12N,#12G	Entry Access Controls	P1:30
P1:31	RCPT - Exterior East	1/2"C,1#12,#12N,#12G	20		90	0 VA						20		Spare	P1:3
P1:33	Dela Mauntad Cita Lightig	1/0"0 0#10 #100	20				28	0 VA				20		Spare	P1:34
P1:35	Pole Mounted Site Lighting	1/2"C,2#12,#12G	20						28 0	VA (20		Spare	P1:30
P1:37	Monument Sign Lighting	1/2"C,1#12,#12N,#12G	20		22	0 VA						20		Spare	P1:3
P1:39	Space													Space	P1:40
P1:41	Space													Space	P1:4

	Installed Location: MECH 208 Voltage: 208Y/120 3PH 4W-3Ph Mounting: Surface Enclosure: NEMA 1	-4W		MC	us Am CB Am eature ficatio	ps: N	MLO	'IDE I	INTE	GRAL	SURG	GE PROT	Main	SCCR/AIC: 42.0 kA s FN/Note: -	
Ckt	Description	Circuitry	Trip (A)	FN	A		В	6	(C	FN	Trip (A)	Circuitry	Description	Ckt
P2:1	LTG - Second Floor Hall/Mech.	1/2"C,1#12,#12N,#12G	20		56 2							30	1/2"C,2#10,#10G	Blower Coil - 'BC-3'	P2:2
P2:3	RCPT - Second Floor Hall	1/2"C,1#12,#12N,#12G	20			ę	90 2					50			P2:4
P2:5	Elevator Shunt Trip	1/2"C,1#12,#12N,#12G	20						36	36		20	1/2"C,1#12,#12N,#12G	RCPT - Telecom	P2:6
P2:7	Elevator Cab Lights	1/2"C,1#12,#12N,#12G	20		36 3	36						20	1/2"C,1#12,#12N,#12G	RCPT - Telecom	P2:8
P2:9	Spare		20			C) VA							Space	P2:1
P2:11	Spare		20						0 VA					Space	P2:12
P2:13	Space													Space	P2:14
P2:15	Space													Space	P2:10
P2:17	Space													Space	P2:18
P2:19	Space													Space	P2:20
P2:21	Space													Space	P2:22
P2:23	Space													Space	P2:24

De	esignation: P3													
	Installed Location: MECH 308			В	us Ar	nps:	100						SCCR/AIC: 42.0 kA	
	Voltage: 208Y/120 3PH 4W-3Ph-4	W				-	MLO					Mai	ins FN/Note: -	
	Mounting: Surface			E	oatur	se &								
	Enclosure: NEMA 1			Modi	ficati	ons:	PRO\	/IDE	INTEGRAL	SUR	GE PRO	TECTION		
Ckt	Description	Circuitry	Trip (A)	FN	Ļ	<u> </u>	E	5	С	FN	Trip (A)	Circuitry	Description	Ckt
P3:1	LTG - Third Floor Hall/Mech.	1/2"C,1#12,#12N,#12G	20		56	22								P3:2
P3:3	LTG - Elevator Shaft	1/2"C,1#12,#12N,#12G	20		00		24	22			30	1/2"C,2#10,#10G	Blower Coil - 'BC-4'	P3:4
P3:5	RCPT - Third Floor Hall/Mech.	1/2"C,1#12,#12N,#12G	20				2		90 93					P3:6
P3:7	RCPT - Elevator Shaft	1/2"C,1#12,#12N,#12G	20		18	93					15	1/2"C,2#12,#12G	Outdoor Unit - 'OU-1'	P3:8
P3:9							15	93						P3:10
P3:11	Heat Pump - 'HP-1'	1/2"C,2#10,#10G	25						15 93		15	1/2"C,2#12,#12G	Outdoor Unit - 'OU-2'	P3:12
P3:13		4/01/0 0#40 #400	05		11	0 VA					20		Spare	P3:14
P3:15	Heat Pump - 'HP-2'	1/2"C,2#10,#10G	25				11	0 VA			20		Spare	P3:16
P3:17		4/01/0 0#40 #400	05						11 0 VA		20		Spare	P3:18
P3:19	Heat Pump - 'HP-3'	1/2"C,2#10,#10G	25		11								Space	P3:20
P3:21		4/01/0 0#40 #400	05				11						Space	P3:22
P3:23	Heat Pump - 'HP-4'	1/2"C,2#10,#10G	25						11				Space	P3:24
P3:25	RCPTS - Roof	1/2"C,1#12,#12N,#12G	20		36								Space	P3:26
P3:27	RCPTS - Future Radon Fans	1/2"C,1#12,#12N,#12G	20				10						Space	P3:28
													Space	P3:30
			nected L				8204		6724 VA					
		Conr	nected A	mps:	55.	4 A	68.	5 A	56.1 A					





otals 142 kVA 393 A 151 kVA 418 A 28.6 A 389.6 A

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

Project 24073

Breaker Function Schedule

GA Combination Arc-Fault Interrupter (AFCI) and Ground-Fault Circuit Interrupter, 5mA, (GFCI) Protection

A Arc-Fault Interrupter (AFCI) Protection

L Provide breaker with 'lock-on' clip.

G Ground-Fault Circuit Interrupter, 5mA, (GFCI) Protection

03/25/2025

30 08 JonesGillamRenz ñО

TEXAS

CEDAR RED **RESIDENCES A1**

NEW SENIOR-LIVING FACILITY

CORSICANA, TREDWA 95252 03-25-2025 REVISIONS:

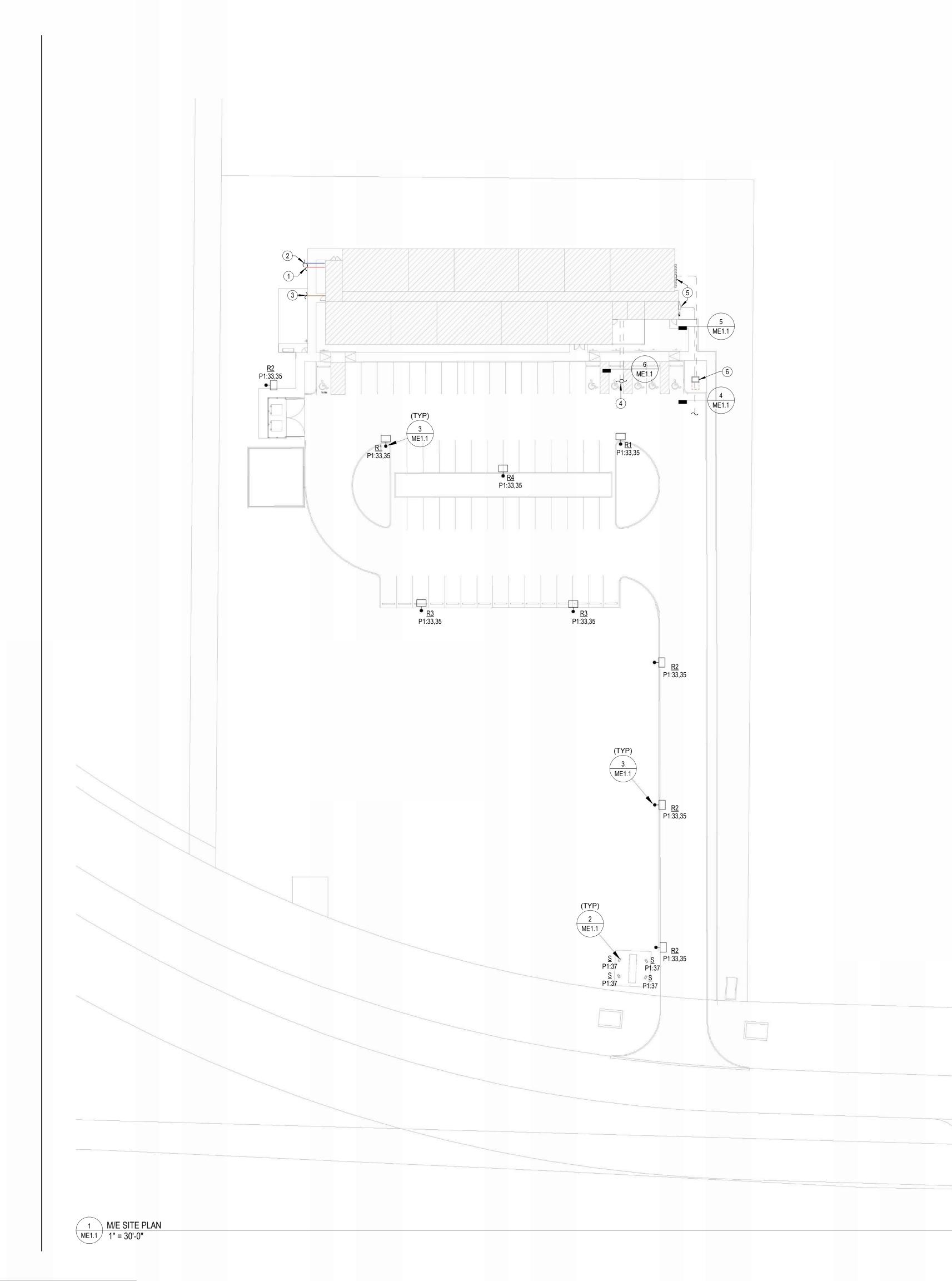
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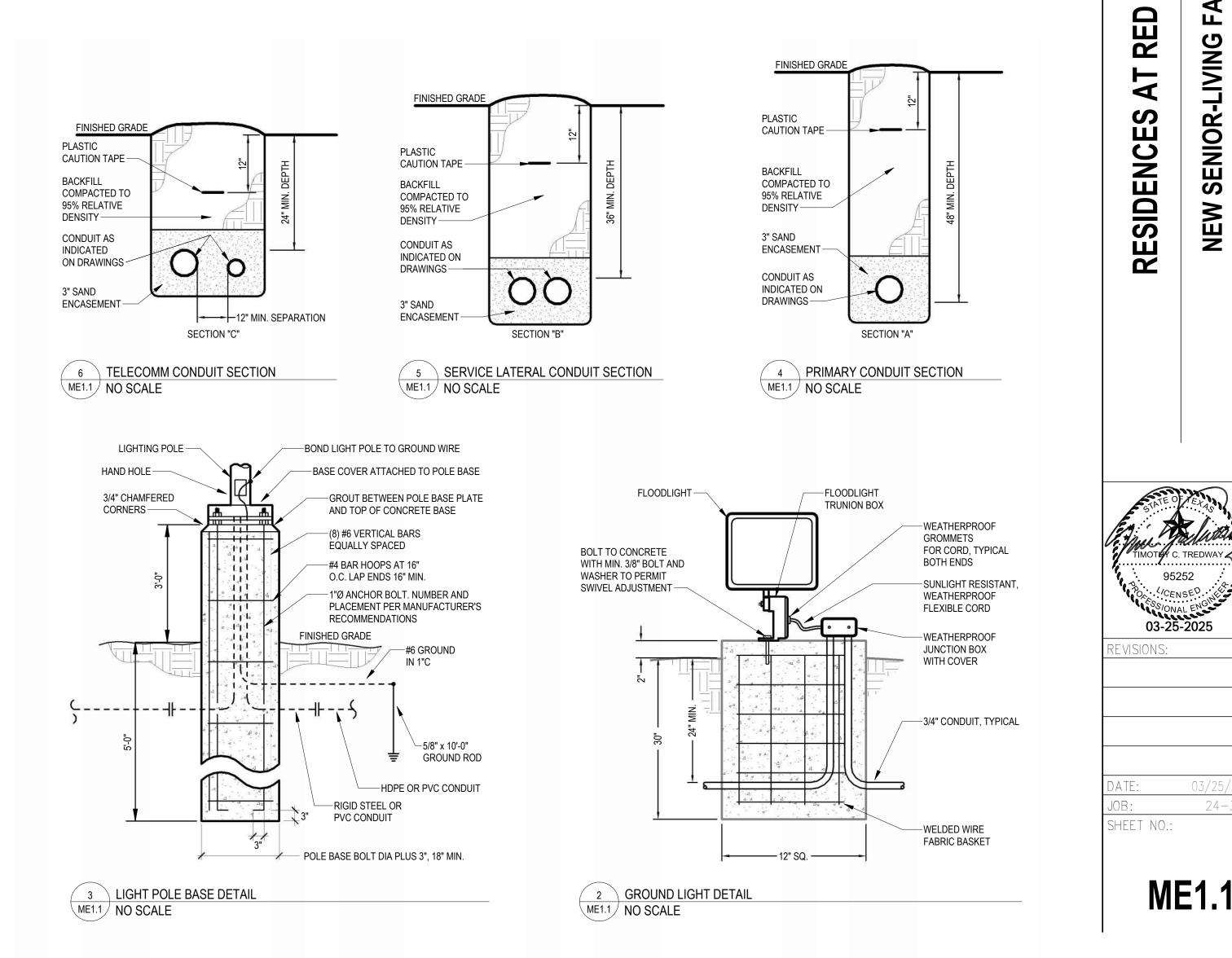
SHEET NO .:

03/25/2025 24-3392











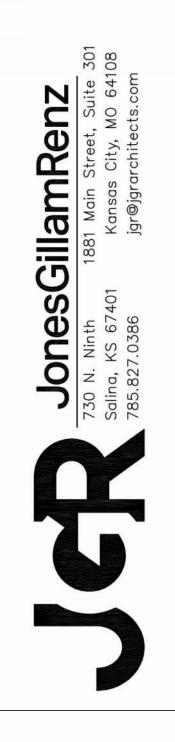
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03/25/2025

NOTES BY SYMBOL

FIRE SUPPRESSION SERVICE, SEE CIVIL DRAWINGS FOR CONTINUATION.

- 2 DOMESTIC WATER SERVICE, SEE CIVIL DRAWINGS FOR
- CONTINUATION.
- **3** SANITARY SEWER, SEE CIVIL DRAWINGS FOR CONTINUATION. 4 (2) 4" CONDUITS BELOW GRADE FOR COMMUNICATIONS SERVICES. PROVIDE PULLSTRING IN EACH RACEWAY. VERIFY EXACT REQUIREMENTS AND TERMINATION POINT AT PROPERTY LINE WITH LOCAL COMMUNICATIONS ACCESS PROVIDER.
- 5 ELECTRIC SERVICE EQUIPMENT, SEE RISER DIAGRAM ON SHEET E6.2.
- POWER COMPANY PROVIDED PAD MOUNTED UTILITY 6 TRANSFORMER. CONCRETE PAD BY GENERAL CONTRACTOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH POWER UTILITY COMPANY PRIOR TO COMMENCING WORK.



CEDAR

FACILITY

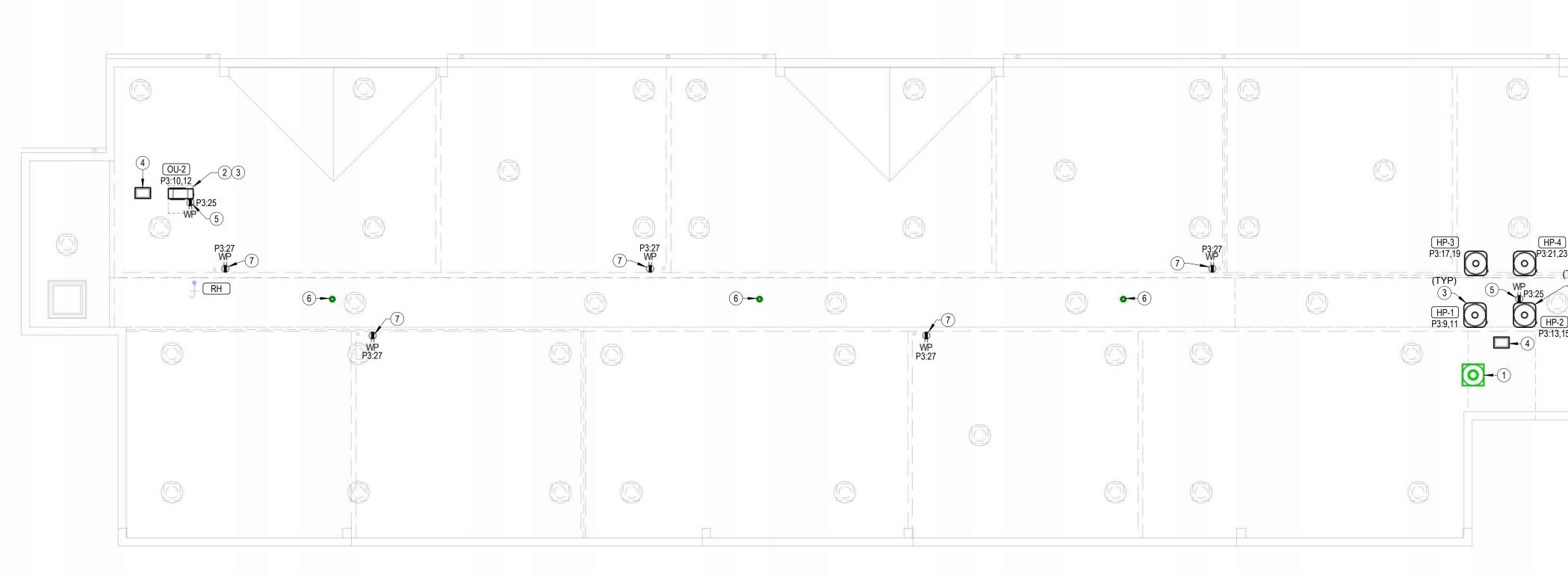
NEW SENIOR-LIVING

TREDWA

03/25/2025





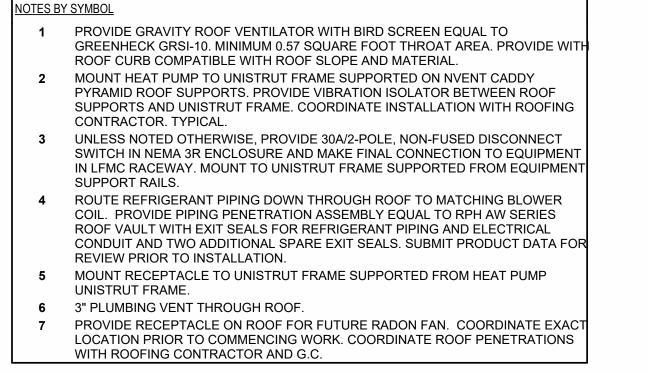


1 M/E ROOF PLAN ME1.2 1/8" = 1'-0"



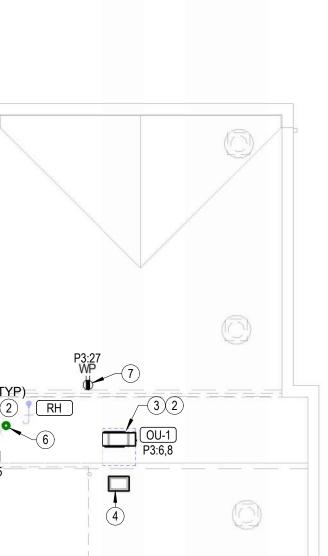
LST Consulting Engineers, PA MANHATTAN WICHITA MANHATTAN WICHITA 4809 Vue Du Lac Place, Suite 201 125 S. Washington, Suite 150 Manhattan, KS 66503 Wichita, KS 67202 785.587.8042 316.285.0696 www.LSTengineers.com mail@LSTengineers.com

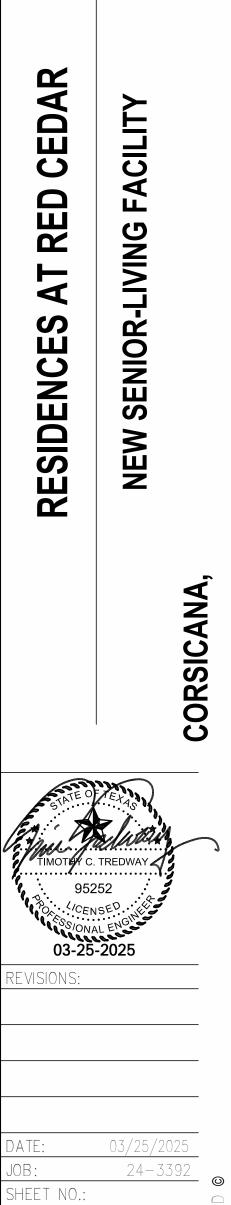
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TEXAS





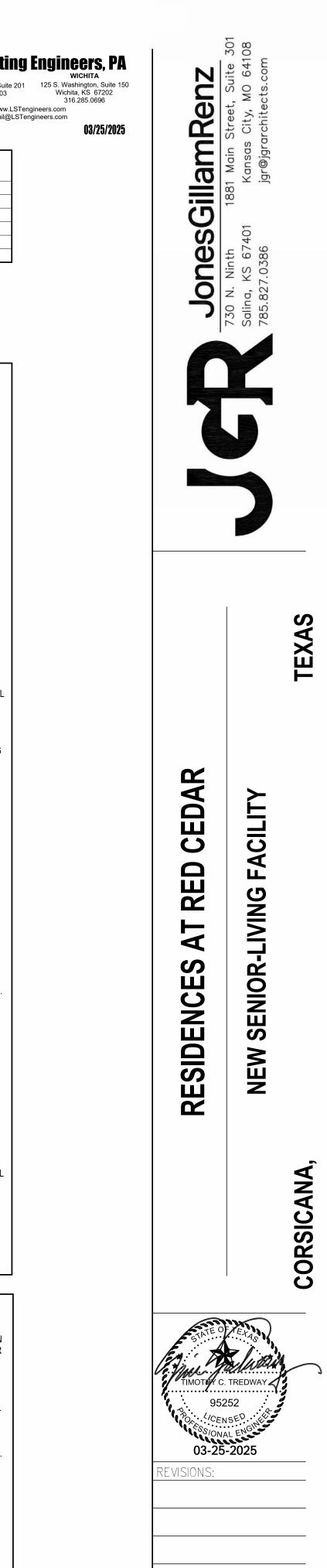


ME1.2



	General Plar	i symbols		HVAC Sy	IIIDOIS
	Plan Revision N	lumber		24"/12"	Sq. Duct Size (Width/H
	- Detail Number c			24"x12"FO	Oval Duct Size (Width
	Sheet Number V	Where Detail is	Placed		Round Duct Size (Diam
	# Keynote Symbo	I		(E)	Existing Duct To Rema
	Continuation Sy	rmbol			
	Point Where Ne	w Connects To	Existing		Duct To Be Demolished
	Room 1 Room Name / N	lumber		S/A	Supply Air
				V/A	Ventilation Air
	Area Being Dem	nolished		O/A	Outdoor Air
	Area Not In Con	ntract		R/A	Return Air
	Electrical Equip	ment.		Τ/Α	Transfer Air
	Do not route HV	AC installation	above or below equipment. indicated by dashed line.		
				E/A	General Exhaust Air
				KED	Kitchen Exhaust Duct
				FLUE	Flue Gas Vent
				C/A	Combustion Air
	Abbrevia	ations			
Ø ABV	ROUND ABOVE		OUVER EAVING WATER TEMPERATURE		Rect. Supply Duct Rise
AC AD	AIR CONDITIONING AREA DRAIN	M/A	AIXED AIR MAXIMUM		Round Supply Duct Ris
ADD AFF	ADDENDUM ABOVE FINISHED FLOOR	MBH (MCF (DNE THOUSAND BTU PER HOUR DNE THOUSAND CUBIC FEET		Rect. Return Duct Rise
AFUE ALT	ANNUAL FUEL UTILIZATION EFFICIENCY ALTERNATE	MD M MECH M	NOTORIZED DAMPER NECHANICAL	0	Round Return Duct Ris
AP ARCH	ACCESS PANEL ARCHITECT/ARCHITECTURAL	MIN M	/IANUFACTURER /INIMUM	M	Rect. Exhaust Duct Ris
BFF BLW	BELOW FINISHED FLOOR BELOW	MTR M	AISCELLANEOUS AOTOR	ØI IØ	Round Exhaust Duct R
BTU BTUH	BRITISH THERMAL UNITS BRITISH THERMAL UNITS PER HOUR	NC N	/AKE-UP/AIR NOISE CRITERIA		
CAP CB	CAPACITY CATCH BASIN	NIC	NORMALLY CLOSED NOT IN CONTRACT	<u>Grille, Register, Diffusers</u> Square Ceiling	
CFM CLG CO	CUBIC FEET PER MINUTE CEILING CLEAN OUT	NO N	NUMBER NORMALLY OPEN NOT TO SCALE	Diffuser	—Type (See Schedule) —Airflow
CW D	COLD WATER DEGREE	0 (DYYGEN DUTSIDE AIR		-Neck Size / Module Siz
DB DIA	DRY BULB DIAMETER	ORD (DVERFLOW ROOF DRAIN PRESSURE DROP	Round Ceiling Diffuser	Type (See Schedule)
DN DW	DOWN DISTILLED WATER	PIV F	POST INDICATOR VALVE	CD11 100	—Airflow —Neck Size
EA EAT	EACH ENTERING AIR TEMPERATURE	PRESS F	PRESSURE PRESSURE REDUCING VALVE	TYP.X 4	 Type Count for Space Type (See Schedule)
ELEC EQUIP	ELECTRICAL EQUIPMENT	PSI F	POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GAUGE	Sidewall Supply Grille SG5 300	—Airflow
EWC EWT	ELECTRIC WATER COOLER ENTERING WATER TEMPERATURE	PWR F	POWER DUCT RISER	AFF:0"	—Nominal Duct Size —Mounting Elevation (Ce
E/A EXIST	EXHAUST AIR EXISTING	RCP F	RETURN AIR RADIANT CEILING PANEL	Linear Diffuser	—Type (See Schedule) —Airflow
F FCO	DEGREES FAHRENHEIT FLOOR CLEAN OUT	REC F	ROOF DRAIN RECESSED	8"Ø/2s/4'-0"L	-Neck Size/ Slot(s)/ Acti
FD FDC	FLOOR DRAIN FIRE DEPARTMENT CONNECTION	RH F	REDUCER RELATIVE HUMIDITY		—Type (See Schedule) —Airflow
FL FO	FLOOR FUEL OIL	RM F	RELIEF AIR ROOM	AFF:0"	—Nominal Duct Size —Mounting Elevation (Ce
FOV FOR FOS	FUEL OIL VENT FUEL OIL RETURN FUEL OIL SUPPLY	RW F	REVOLUTIONS PER MINUTE RAIN WATER SQUARE FOOT	Ceiling Return	—Type (See Schedule) —Airflow
FPM FS	FEET PER MINUTE FLOOR SINK	S/A S	SUPPLY AIR SANITARY	CR2 200 8"Ø/24x24	-Neck Size / Module Siz
FT FTR	FOOT/FEET FIN TUBE RADIATION	SF S	SQUARE FOOT		
GAL GF	GALLON GAS-FIRED	SM S	SURFACE MOUNT	Mechanical Equipment	
GC GPM	GENERAL CONTRACTOR GALLONS PER MINUTE	SP S	STATIC PRESSURE		
GW HB	GREASE WASTE HOSE BIB		THERMOSTAT TEMPERATURE DROP		1) - Unit Identity
HP HTG	HORSE POWER HEATING	TEMP 1	RENCH DRAIN EMPERATURE	(E)AHU-2 -	Existing to Remain Equip
HTR HW	HEATER HOT WATER	UG l	TYPICAL JNDERGROUND		
HYD ID		٧	/ACUUM /ENT /APIARI E AIR VOLUME	(R)AHU-3 -	Existing Relocated Equipr
IN INV		VENT \	/ARIABLE AIR VOLUME /ENTILATION /ENT THROUGH ROOF		Equipment By Others
LB LB/HR LAT	POUND POUNDS PER HOUR LEAVING AIR TEMPERATURE	W V	/ENT THROUGH ROOF VASTE VET BULB	h	(Refer To Other Discipline
LAT LP LPG	LEAVING AIR TEMPERATURE LOW PRESSURE LIQUEFIED PETROLEUM GAS	WCO V	VET BULB VALL CLEAN OUT VALL HYDRANT	Mechanical Control Devices	
L U		VVII V		T Thermostat	
	Equipment Ab	breviation	S		
AC ACCU	AIR CONDITIONING UNIT AIR COOLING CONDENSING UNIT	ET EWH	EXPANSION TANK ELECTRIC WATER HEATER	TS Temperature Sensor	
AHU AS	AIR HANDLING UNIT AIR SEPARATOR	FCU FP	FAN COIL UNIT FIRE PUMP	HS Humidity Sensor	
B CH	BOILER CHILLER	GI GRV	GREASE INTERCEPTOR GRAVITY ROOF VENTILATOR	CO2 Carbon Dioxide Detect	or
CT CUH	COOLING TOWER CABINET UNIT HEATER	HWP HRU	HEATING WATER PUMP HEAT RECOVERY UNIT	HZG Hazardous Gas Detect	or
CHWP DBP	CHILLED WATER PUMP DOMESTIC WATER BOOSTER PUMP	PRV RE	POWER ROOF VENTILATOR RETURN/EXHAUST FAN		
DC DCP	DUCT MOUNTED COIL DOMESTIC WATER CIRCULATING PUMP		ROOFTOP UNIT SUMP PUMP	Damper Types	
EF EDC	EXHAUST FAN ELECTRIC DUCT COIL	UH WH	UNIT HEATER WATER HEATER		—Manual Damper
					—Motorized Damper —Backdraft Damper
					-Smoke Damper
					-Fire Damper

					LST Consulti MANHATTAN 4809 Vue Du Lac Place, Suite Manhattan, KS 66503 785.587.8042 www.l mail@ Project 24073
	1	HVAC	SHEET	INDE	X
M0.1 M1.1 M1.2		Sheet HVAC Plans HVAC Plan		d	
M6.1	Mechanical ME Site				
ME1.2	ME Roof Pla	an			
A. C(HI M. LI B. C(EC IN ST C(M SE C. AL C(D. C) D. C) D. C) C) F. HY F. HY F. AN	IAINTAIN A M IGHT SWITC ONDENSAT QUIPMENT. ISTALLATIO TATE, AND I YPE "L" COF ONDENSAT INIMUM 1/2' ERVICE JAC LL SUPPLY, ATED FOR F THERWISE. OORDINATE IFFUSERS, I ROVIDE DIF ATTERN UN VAC EQUIPI RODUCING OMPLETED PPROVAL F	R SHALL LC S AT 4'-0" AI MINIMUM HC HES. E DRAINS S CONTRACT N AND DRA LOCAL COD PPER. WHE E DRAIN PII ' FIBERGLA CKET. RETURN, A PRESSURE E THE EXAC REGISTERS FUSERS AN LESS OTHE MENT SHAL CONSTRUC . CONTRAC ROM OWNE LACE FILTE	FF UNLESS DRIZONTAL SHALL BE S FOR SHALL INAGE AS I DES. CONDE RE INSTAL PING SHALI SS PIPE INS ND EXHAU CLASS OF T LOCATIC S, AND GRIL IN REGISTE CRWISE NO L NOT BE L DTION ACTI DTOR SHALL R PRIOR T	NOTED SEPAR UPPLIEI ENSUR REQUIR ENSATE LED AB(LED AB(LED AB(LED AB(LED AB(LED AB(LED AB(LED AB(LES WIT TED. JTILIZEE VITY HA L BE RE O EQUIF	OTHERWISE. ATION OF 8" FROM D FOR ALL COOLING E PROPER ED BY FEDERAL, PIPING SHALL BE DVE CEILINGS, GULATED WITH DN WITH ALL TWORK SHALL BE UNLESS NOTED LL CEILING TH LIGHTING. TH LIGHTING.
G. LC IN SI BE IN H. FI S ^V AF	OCATIONS (IDICATED C UBJECT TO E COORDIN ITERFEREN INAL PRODU YSTEM, ANI PPLICABLE UT NOT LIM	DF PIPING, IN THE DRA MINOR AD, ATED WITH CE IN THE I JCT SHALL D SHALL CC FEDERAL, S ITED TO TH	WINGS ARI JUSTMENTS ALL OTHEI FIELD. BE A COMF DNFORM TC STATE, ANE IE INTERNA	e appro S in the R tradi Plete a D all re D local Tional	QUIPMENT AS DXIMATE AND E FIELD. WORK SHALL ES TO AVOID ND FUNCTIONING EQUIREMENTS OF . CODES, INCLUDING BUILDING CODE
I. LC	ND INTERN/ OCATE EQU BOVE CEILI	IPMENT RE			2'-0" MAXIMUM
J. AL FF GI RC AF CC K. LC OI AF	LL ROOF MO ROM EDGE UARD RAIL. OOF EDGE RREST ANC OORDINATE OCATE DUC UTSIDE OF ROUND ELE	DUNTED EG OF ROOFS WHERE PI IS NOT POS HORS COM WITH GEN TWORK, PI THE NEC R CTRICAL P	WITHOUT A ROVIDING 2 SSIBLE, PRO IPLIANT WI IERAL CON PING AND N EQUIRED C ANELS, TRA	A 42" HIC 10'-0" SE DVIDE P TH ANSI TRACTC MECHAN CLEAR S ANSFOF	E A MINIMUM 10'-0" GH PARAPET OR EPARATION FROM ERMANENT FALL /ASSP Z359.1. DR. IICAL EQUIPMENT PACE ABOVE AND RMERS AND OTHER /ITH ELECTRICAL
L. PE ST AF	ontracto Enetratio Topped. F	R. NS OF RAT IRE STOPPI IRAL DRAW	ED ASSEMI NG SHALL	BLIES SI BE U.L.	HALL BE FIRE LISTED. SEE DNS OF RATED
M. PF DI N. M. O' IN RI SE O. TF PF	ROVIDE SLE UCTS THRC IAINTAIN CL THER ACCE ISPECTION EQUIRED, F ELECTED TO RANSITION ROPERLY C	EVES AND DUGH FOUN EAR ACCES SSORIES F OR HAND C PROVIDE AC O SUIT MAT FROM PIPIN ONNECT TO	DATIONS, I SS TO SERV REQUIRING OPERATION CESS PAN ERIALS IN NG AND DU O MECHAN	FLOORS VICE EQ SERVIC I. WHEF ELS OF WHICH I CTWOR ICAL EQ	RE INDICATED OR THE TYPE INSTALLED. K SIZES SHOWN TO UIPMENT.
Q. IN RI IN	F FLOW UN ISTALL ALL ESPECTIVE ISTRUCTIOI	TIL ANOTHE EQUIPMEN MANUFAC NS, AT A LE	er size is s t in accof turer's w vel of qu	Shown Rdance Ritten Ality A	
r. In Pf	RACTICAL II	OSED PIPIN N ROOMS V	IG AND DU	CTWORI EILINGS	
M EC SI T. CO	IECHANICAL QUIPMENT UBJECT TO ONTRACTO	EQUIPMEN INSTALLED REPLACEM R SHALL OI	NT AND MA WITHOUT I IENT AT CO BTAIN AND	TERIALS PRIOR A)NTRAC PAY FO	DRAWINGS FOR ALL S. SUBSTITUTE PPROVAL SHALL BE TOR'S EXPENSE. R ALL NECESSARY
RI U. Pf	equired. Rovide on	E YEAR WA	RRANTY FO		NSPECTIONS AS WORKMANSHIP AND CEPTANCE.
A. AL W PI AN SH DI B. W SL C. AL D. CC CI DI E. AL EC OI F. RI AR IN	/HERE PIPIN IPING TO RE ND CAPPED HALL DISPC IRECTED B ^N /HERE PIPIN LAB AND IS LL DUCTWC OORDINATE EILINGS, RC EMOLITION LL EQUIPME QUIPMENT F AS DIREC EMOVE ALL REA, UNLES	AKEN OUT IG TO BE R EMAIN, PIPI O, UNLESS II OSE OF PIPI Y OWNER. IG TAKEN C UNABLE TO ORK TAKEN E CUTTING, OOF AND FL WITH G.C. ENT TAKEN SHALL BE D TED BY OW MECHANIC SS REQUIRE N NOT AFF	OF SERVIC EMOVED IS NG SHALL I NDICATED NG OR DEL OUT OF SEF D BE REMO OUT OF SE PATCHING OUT OF SE DELIVERED (NER. CAL INSTAL ED FOR NE	E SHALI CONNE BE REM OTHERV IVER TO RVICE IS VED, CA RVICE S OF EXIS ECTED I ERVICE S TO OWI LATION W WORF	L BE REMOVED. ECTED TO EXISTING OVED BACK TO MAIN WISE. CONTRACTOR O OWNER, AS I LOCATED BELOW P BELOW SLAB. SHALL BE REMOVED. STING WALLS, BY MECHANICAL SHALL BE REMOVED. NER OR DISPOSED FROM PROJECT (OR EXISTING EL. COORDINATE
G. SE SI FL H. NG IN SE I. FI J. AL CI	ERVICES TO HALL BE RE ULLY OPER OT ALL ITEM IDICATED O PACE SHAL IELD VERIF ¹ ISTALLATIO	D ITEMS NO STORED UI ATIONAL CO MS REQUIR IN DRAWINO L BE PERFI Y EXACT LC N INDICATE D BE RE-US EPAIRED, AI	Pon Comp DNDITION. Ed to be e GS. All dei Ormed As DCATION of Ed on drav Ed or rel Nd restof	LETION DEMOLIS MOLITIC IF INDIC F ALL EX WINGS. .OCATEI	STING MECHANICAL

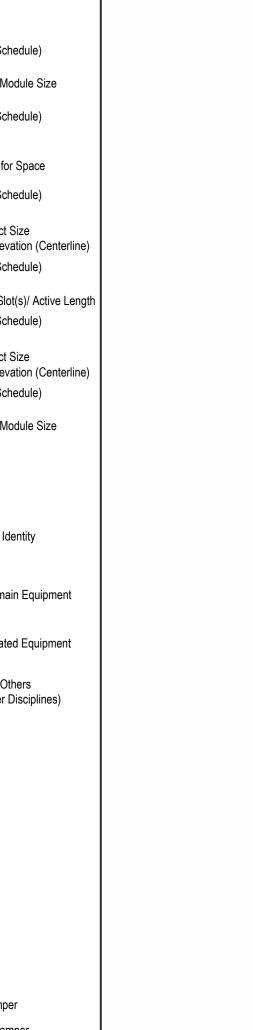


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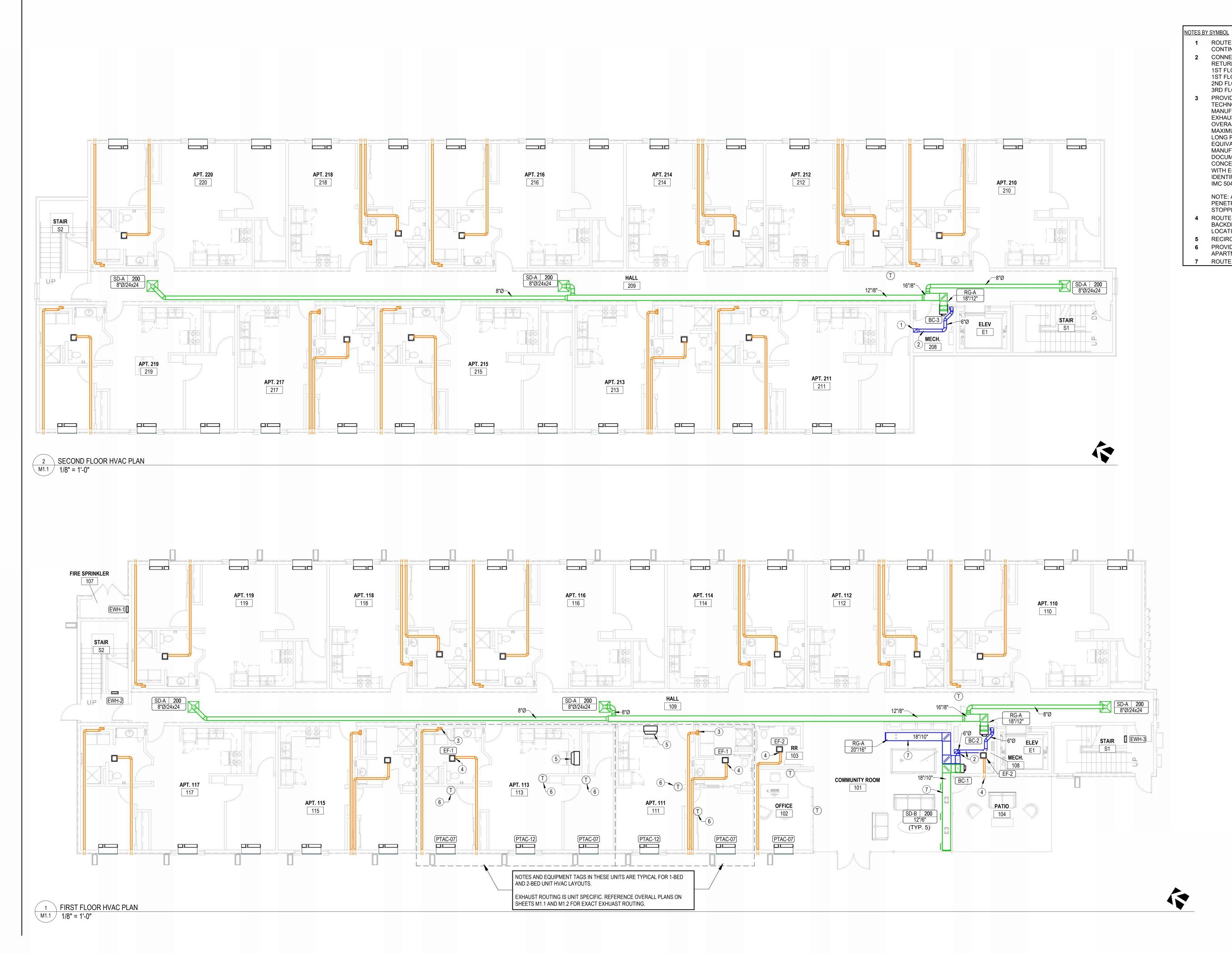
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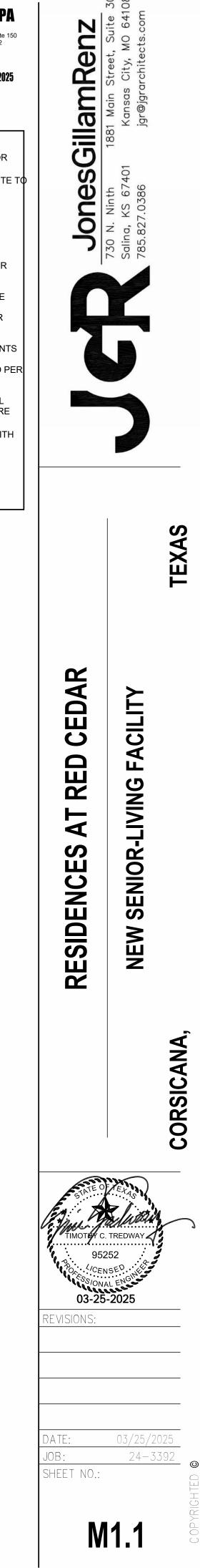
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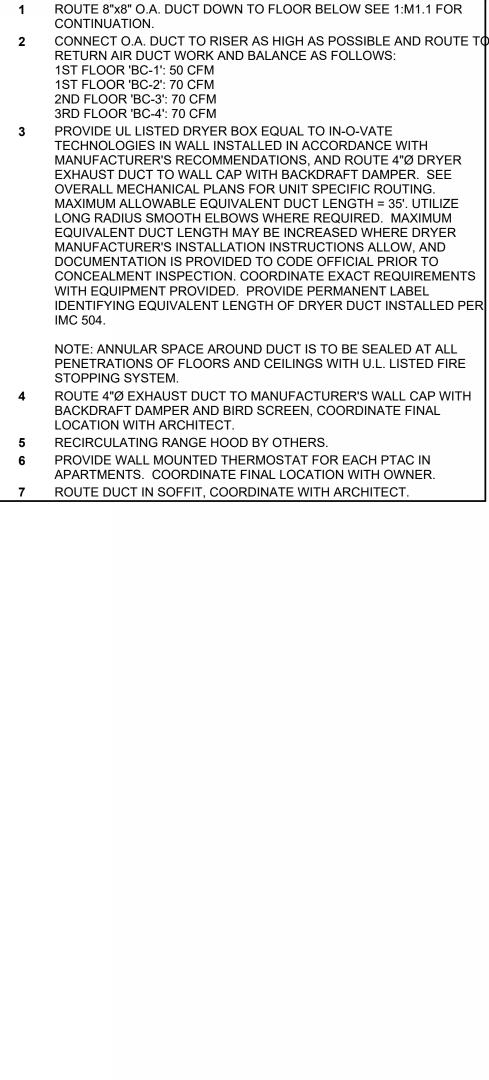


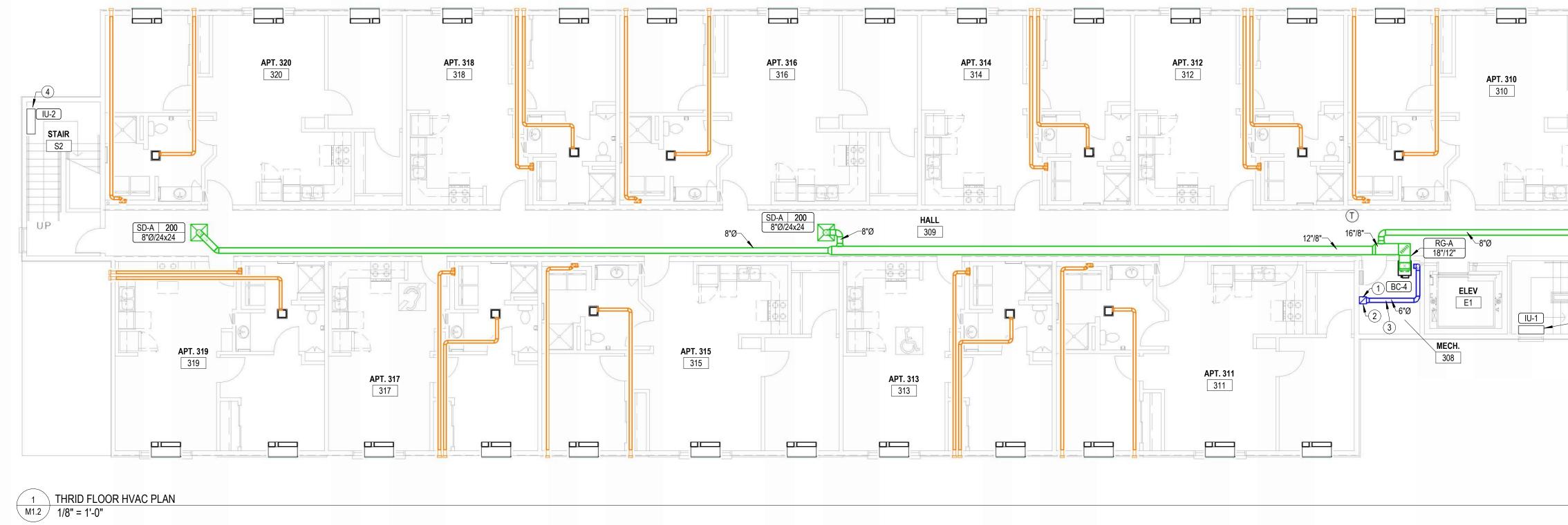


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NOTES BY SYMBOL

- 1 ROUTE 8"x8" O.A. DUCT DOWN TO FLOOR BELOW SEE 2:M1.1 FOR CONTINUATION.
- 2 ROUTE 10"x10" O.A. DUCT UP THROUGH ROOF TO GRAVITY VENTILATOR. SEE ME1.2 FOR CONTINUATION.
- 3 CONNECT O.A. DUCT TO RISER AS HIGH AS POSSIBLE AND ROUTE TO RETURN AIR DUCT WORK AND BALANCE AS FOLLOWS: 1ST FLOOR 'BC-1': 50 CFM
 - 1ST FLOOR 'BC-2': 70 CFM 2ND FLOOR 'BC-3': 70 CFM
 - 3RD FLOOR 'BC-4': 70 CFM
- 4 MOUNT INDOOR UNIT ABOVE LANDING WINDOW. ROUTE REFRIGERANT PIPING TO MATCHING HEAT PUMP ON ROOF. CONCEAL PIPING IN WALLS AND ABOVE CEILINGS. SEE ME1.1 FOR HEAT PUMP LOCATIONS.



CEDAR FACILITY RED **NEW SENIOR-LIVING RESIDENCES A1**

TEXAS



1

SHEET NO.:

03/25/2025 24-3392

CORSICANA,



TREDWA

95252

03-25-2025

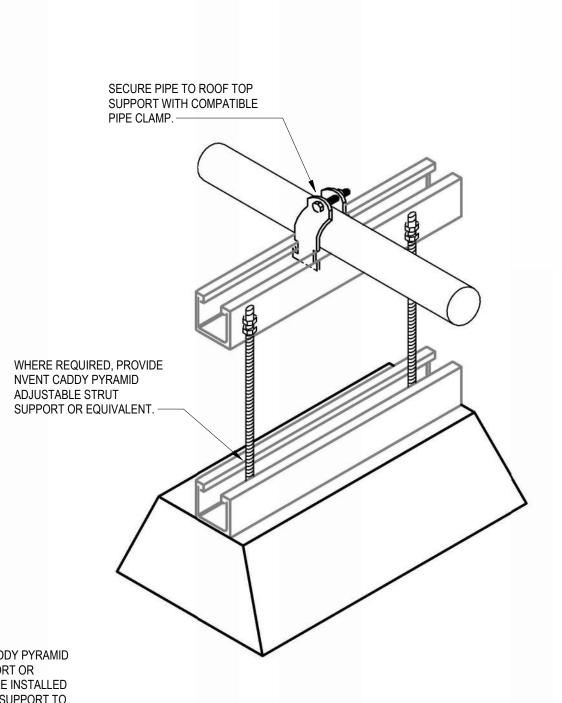
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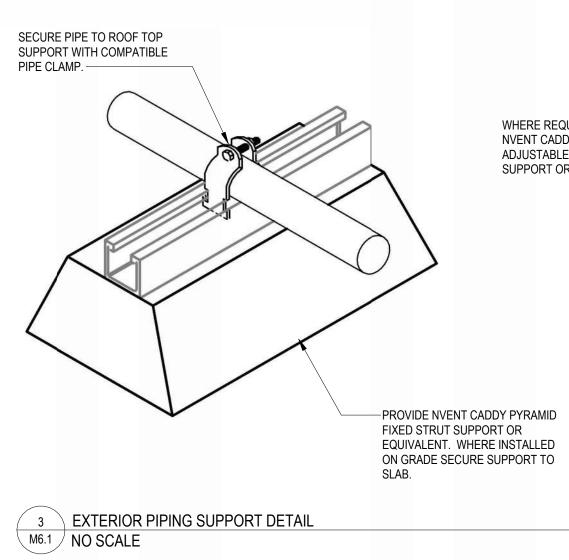


Mark	Manu
EWH-1	Tr
EWH-2	Tr
EWH-3	Tr
2. F 3. F	Provide with Provide with Provide with Provide with

				Fan			Elect	rical		
Mark	Manufacturer	Model	Airflow	ESP	Speed	Heating	Voltage	Phase	MCA	MOCP
BC-1	Trane	TEM4A0B31	1,000 CFM	0.50 in-wg	Medium	5.8 kW	208 V	1	38.0 A	40.0 A
BC-2	Trane	TEM4A0B31	600 CFM	0.50 in-wg	Medium	3.6 kW	208 V	1	25.0 A	25.0 A
BC-3	Trane	TEM4A0B31	600 CFM	0.50 in-wg	Medium	3.6 kW	208 V	1	25.0 A	25.0 A
BC-4	Trane	TEM4A0B31	600 CFM	0.50 in-wg	Medium	3.6 kW	208 V	1	25.0 A	25.0 A
		quired, coordinate the exac operate simultaneously wit								

		Exha	iust Fa	an Sche	edule			
	Manufactur					Elect	rical	
Mark	er	Model	CFM	ESP	Power	Voltag	Phas	Notes
	CI					е	е	
EF-1	Panasonic	FV-0810VSS1	80 CFM	0.45 in-wg	21 W	120 V	1	1,2,3,4,5,6
EF-2	Panasonic	FV-0810VSS1	65 CFM	0.45 in-wg	21 W	120 V	1	1,2,3,4,5,6
2. 3. 4. 5.	Fixture shall be Energy Fixture shall operate at Provide with EC motor Provide manufacturer's Provide integral backdr Provide with manufactu Architect.	< 1 SONE. with integral disconne wall cap or roof jack, aft damper.	see plans.	radiation damper	rs where rate	ed ceilings ar	e not prese	ent, coordinate with







	ting Watts	, vonayc	Phase	Description	Notes
IWA Wa	ll 3.0 kW	/ 208 V	1	Architectural fan forced wall heater	1,2,3
HAA Reces	sed 1.5 kW	/ 120 V	1	Architectural fan forced wall heater	1,2,4
HAA Reces	sed 1.5 kW	/ 120 V	1	Architectural fan forced wall heater	1,2,4
	IAA Reces	IAA Recessed 1.5 kW	IAA Recessed 1.5 kW 120 V	IAA Recessed 1.5 kW 120 V 1	IAA Recessed 1.5 kW 120 V 1 Architectural fan forced wall heater

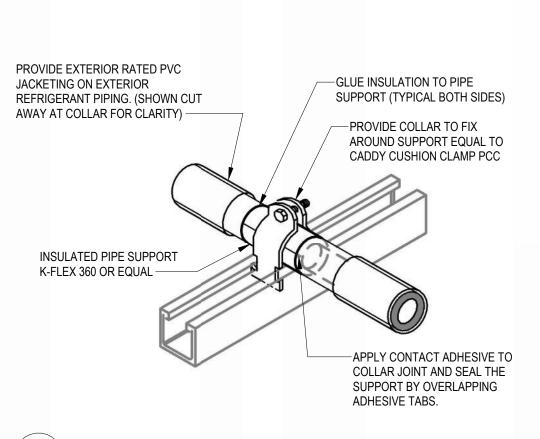
			Coo	ling	Heating			Electrica	al		
Mark	Manufacturer	Model Number	Total Cooling	Sensible Cooling	Electric Heat Output	Airflow	MCA	MOCP	Voltage	Phase	Weigh
PTAC-07	GE	AZ45E07DAB	7,000 Btu/h	5,040 Btu/h	1.96 kW	350 CFM	11.8 A	15.0 A	208 V	1	108 lb
PTAC-12	GE	AZ45E12DAB	11,500 Btu/h	7,130 Btu/h	1.96 kW	420 CFM	11.8 A	15.0 A	208 V	1	104 lb

th manufacturer's surface mounting adapter sleeve. Coordinate exact mounting requirements and locations with Architect and rated construction. th manufacturer's recessed mounting adapter sleeve. Coordinate exact mounting requirement and locations with Architect and rated construction.

	MINI-	SPLIT HEA	T PUMP OUTDO	OR UNIT	SCHED	ULE	
MARK	MANUFACTURER	MODEL	TYPE	NOMINAL CAPACITY	V/Ph	MCA	MOCP
OU-1	Mitsubishi	NTXSMT09A112A	Heat Pump System	0.75 ton	208 V/1	9.0 A	15.0 A
OU-2	Mitsubishi	NTXSMT09A112A	Heat Pump System	0.75 ton	208 V/1	9.0 A	15.0 A
2. P	rovide refrigerant piping sized in a rovide with R410-A refrigerant. rovide with hail guards.	ccordance with manufacture	r's recommendations for actual field instal	led length and routing.			

							Cooling Cap	acity			He	ating Capacity	/		Ele	ctrical	
Mark	Manufacturer	Model	Nominal Capacity	EDB	EDB	EWB	Net Sensible Capacity	Rated Cooling Capacity	SEER2 Rating	OA EDB	EDB	Rated Heating Capacity	HSPF2 Rating	Phase	MCA	MOCP	Voltage
HP-1	Trane	4TWR4030	2.5 ton	105 °F	80 °F	67 °F	21,300 Btu/h	27,700 Btu/h	14.3	47 °F	70 °F	27,100 Btu/h	7.5	1	15.0 A	25.0 A	208 V
HP-2	Trane	4TWR4018	1.5 ton	105 °F	80 °F	67 °F	11,300 Btu/h	14,600 Btu/h	14.3	47 °F	70 °F	19,100 Btu/h	7.5	1	15.0 A	25.0 A	208 V
HP-4	Trane	4TWR4018	1.5 ton	105 °F	80 °F	67 °F	11,300 Btu/h	14,600 Btu/h	14.3	47 °F	70 °F	19,100 Btu/h	7.5	1	15.0 A	25.0 A	208 V
HP-3	Trane	4TWR4018	1.5 ton	105 °F	80 °F	67 °F	11,300 Btu/h	14,600 Btu/h	14.3	47 °F	70 °F	19,100 Btu/h	7.5	1	15.0 A	25.0 A	208 V

Provide 7-day programmable thermostat.
 Provide with R410a refrigerant.
 Provide 2 sets of MERV-7 filters.



1-1/4" ANGLE IRON FRAME WHEN REQ'D. FOR BOTTOM RETURN —

PROVIDE DRAIN PAN AND ROUTE OVERFLOW PIPING FROM DRAIN PAN TO FLOORDRAIN



2 EXTERIOR REFRIGRANT PIPING INSULATION DETAIL M6.1 NO SCALE

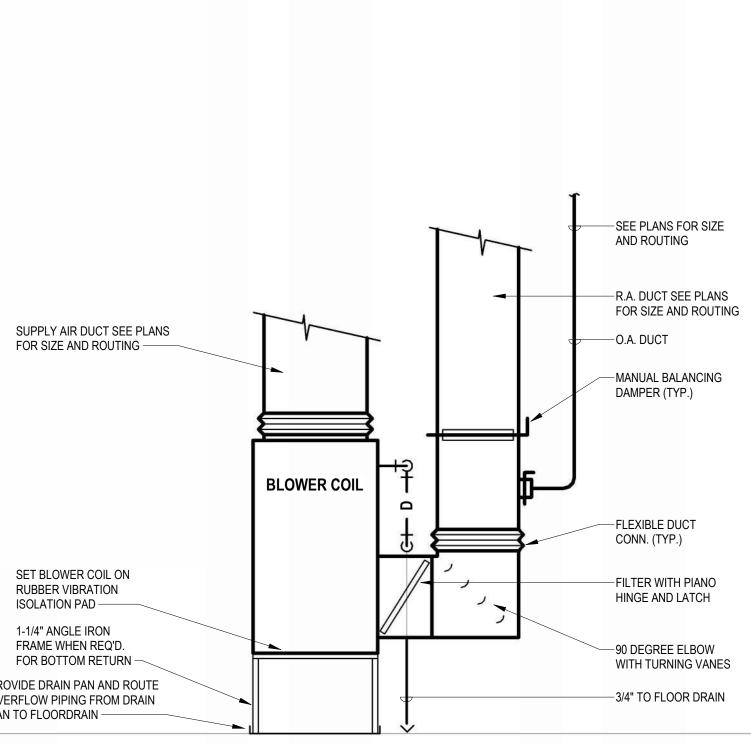


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MINI-SPLIT HEAT PUMP INDOOR UNIT SCHEDULE						
MARK	MANUFACTURER	MODEL	DEL TYPE Sens. Cooling		Heating Cap.	
IU-1	Mitsubishi	NTXWMT09A112A	Wall Mounted Unit	7,380 Btu/h	10,900 Btu/h	
IU-2	Mitsubishi	NTXWMT09A112A	Wall Mounted Unit	7,380 Btu/h	10,900 Btu/h	
 Indoor Units are powered from outdoor unit. Provide all required interconnecting cabling per manufacturer's instructions. Where possible, conceal refrigerant piping, condesnate piping and electrical condensate piping in walls and above ceilings. When not possible, utilize line-hide kit to conceal refrigerant piping and concensate piping below ceiling. 						





CEDAR **NEW SENIOR-LIVING FACILITY** RED . A RESIDENCES CORSICANA



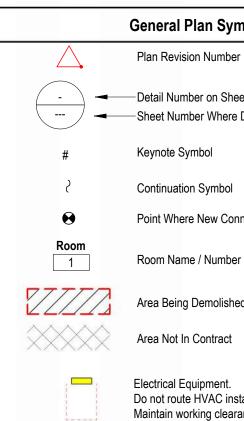
SHEET NO.:

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General Plan Symbols

- Detail Number on Sheet
- Sheet Number Where Detail is Placed
 - Keynote Symbol
 - Continuation Symbol Point Where New Connects To Existing

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

	Equipment Abb	oreviatio	ons
LPG	LIQUEFIED PETROLEUM GAS		
	LOW PRESSURE	WH	WALL HYDRANT
LAT		WCO	WALL CLEAN OUT
LB/HR	POUNDS PER HOUR	WB	WASTE WET BULB
LB	POUND	W	WASTE
INV	INVERT	VENT	VENTILATION VENT THROUGH ROOF
IN	INCH	VAV VENT	VARIABLE AIR VOLUME VENTILATION
ID	INDIRECT	V	
HYD	HYDRANT	VAC	VACUUM
HW	HOT WATER	UG	UNDERGROUND
HTR	HEATER	TYP	TYPICAL
HTG	HEATING	TEMP	TEMPERATURE
HP	HORSE POWER	TDR	TRENCH DRAIN
HB	HOSE BIB	TD	TEMPERATURE DROP
GPM GW	GALLONS PER MINUTE GREASE WASTE	Т	THERMOSTAT
GC GPM	GENERAL CONTRACTOR GALLONS PER MINUTE	STM	STEAM
GF GC	GAS-FIRED GENERAL CONTRACTOR	SP	STATIC PRESSURE
GAL	GALLON	SP	STANDPIPE
FTR		SM	SURFACE MOUNT
FT		SD	SMOKE DAMPER
FS	FLOOR SINK	SAN	SQUARE FOOT
FPM	FEET PER MINUTE	S/A SAN	SANITARY
FOS	FUEL OIL SUPPLY	Sf S/A	SQUARE FOOT SUPPLY AIR
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOV	FUEL OIL VENT	RPM RW	
FO	FUEL OIL	RM	ROOM REVOLUTIONS PER MINUTE
FL	FLOOR	RL/A	RELIEF AIR
FDC	FIRE DEPARTMENT CONNECTION	RH	
FD	FLOOR DRAIN	RED	
FCO	FLOOR CLEAN OUT	REC	RECESSED
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
E/A	EXHAUST AIR	R/A	RETURN AIR
EWT	ENTERING WATER TEMPERATURE	R D/A	
EWC		PWR	POWER
EQUIP	EQUIPMENT	PSIG	
ELEC	ELECTRICAL		
EAT	ENTERING AIR TEMPERATURE	PRV PSI	
EA	EACH		
DW	DISTILLED WATER	PLBG	PLUMBING
DN	DOWN	PIV	
DIA	DIAMETER	PD	PRESSURE DROP
DB	DRY BULB	ORD	
D	DEGREE	O/A	
CW	COLD WATER	0	OXYGEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CLG	CEILING	NO	NORMALLY OPEN
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CAP	CAPACITY	NC	NORMALLY CLOSED
BTUH		NC	NOISE CRITERIA
BTU	BRITISH THERMAL UNITS	MU/A	MAKE-UP/AIR
BLW	BELOW	MTR	MOTOR
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
AP	ACCESS PANEL	MFR	MANUFACTURER
ALT	ALTERNATE	MECH	MECHANICAL
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ADD	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AD ADD	AREA DRAIN ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AC		MAX	MAXIMUM
ABV	ABOVE	M/A	MIXED AIR
Ø	ROUND	LWT	LEAVING WATER TEMPERATURE
		LVR	LOUVER

Equipment Appreviations

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
В	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
СТ	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

<u>* NOTE *</u> 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 S	Symbols
2"	Nominal Pipe Size
	Above Ground Piping
1/8" / 12" SLOPE	Below Ground Piping
(E)	—Pipe Slope (When Applicable) Existing Pipe To Remain
(Ľ)	Pipe To Be Demolished
CW	Domestic Cold-Water
NPW	Non-Potable Water
	Soft Cold-Water
F-CW	Filtered Cold-Water
RO	Reverse Osmosis Water
	Domestic Hot-Water
	Domestic Hot-Water 140°
—HW-R — — — — — —	Hot-Water Recirculation
	Hot-Water Recirculation 140°
	Sanitary Drain
— — — RD— — — —	Radon Mitigation
— — V— — — —	Sanitary Vent
	Sanitary Wet Vent
CWVCWVCD	Combination DWV Condensate Drain
	Londensate 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
oə	Pipe Rise / Drop
Pipe Accessory Notes	
•	Cleanout
2" CHECK	Check Valve
Dect-2" BALANCE	Balancing Valve
▷⊷\]2" CIRC	Circuit Setter
2" GATE	Gate Valve
₫ 2" S/O	Ball Valve
l→l→2" STRAIN	Fluid Strainer
S 	Emergency Gas Shutoff
I ♥ I ■ 1" PLUG	Plug Valve
I□H	Gas Shutoff Cock
1" REG	Gas Regulator
T/P	
	Thermostatic Valve
∏/P I∑I − ─ <u>TMV-XT/P</u>	Mixing Valve
EM TMVEM	Emergency Mixer
	Pressure Reducing Valve
WH-2" METER	Water Meter
	Double Check Valve
	Reduced Pressure Zone
Plumbing Fixture Notes	
Floor Drain	—Design Size
• <u>2" FD-A</u> 2 DEU -	—Identity Type —Drainage Fixture Units
(2" FD)	Floor Drain w/ Deep Seal Trap
	—Floor Drain w/ Trap Primer
	"P" Indicates Primer Connection
(<u>2" FD</u>)	Floor Drain w/ Integral Cleanout
(3" AD-1)	Area Drain (No Trap)
6" DD-1	Deck Drain
β" HD-1	Hub Drain (Funnel Type)
3" FS	Floor Sink

O−-{{"SD-1}}

O 6" SD-1 2000 SF ◄

Roof Drain

Combination Drain

-Rainfall Surface Area



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Plumbing Sheet Index

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P1.2	Waste and Vent Plans 2nd and 3rd		
P1.3	Domestic Water Plans 1st and 2nd		
P1.4	Domestic Water Plans 3rd		
P4.1	Enlarged Domestic Water Plans		
P6.1	Plumbing Schedules		
P9.1	Plumbing Riser Diagrams		
P9.2	Plumbing Riser Diagrams		

GENERAL PLUMBING NOTES FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS. PITCH UNDERFLOOR SANITARY WASTE PIPING OVER 2" AT 1/8" PER FOOT, 2" AND SMALLER AT 1/4" PER FOOT. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES

- PRIOR TO INSTALLATION. ROUTE DOMESTIC WATER, AND SANITARY SEWER SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED
- OTHERWISE. REFER TO CIVIL PLANS. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.
- 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.
- 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.
- LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING. 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.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE U.L. LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF. 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.
- PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE
- RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS. 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.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
- 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.
- WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB.
- COORDINATE CUTTING, PATCHING OF EXISTING WALLS, CEILINGS, ROOF AND FLOORS AFFECTED BY MECHANICAL
- DEMOLITION WITH G.C. ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED
- OF AS DIRECTED BY OWNER. 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. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED UPON COMPLETION OF THIS WORK TO
- FULLY OPERATIONAL CONDITION. NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE
- INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED. FIELD VERIFY EXACT LOCATION OF ALL EXISTING PLUMBING INSTALLATION INDICATED ON DRAWINGS.
- 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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RESIDENC

NEW

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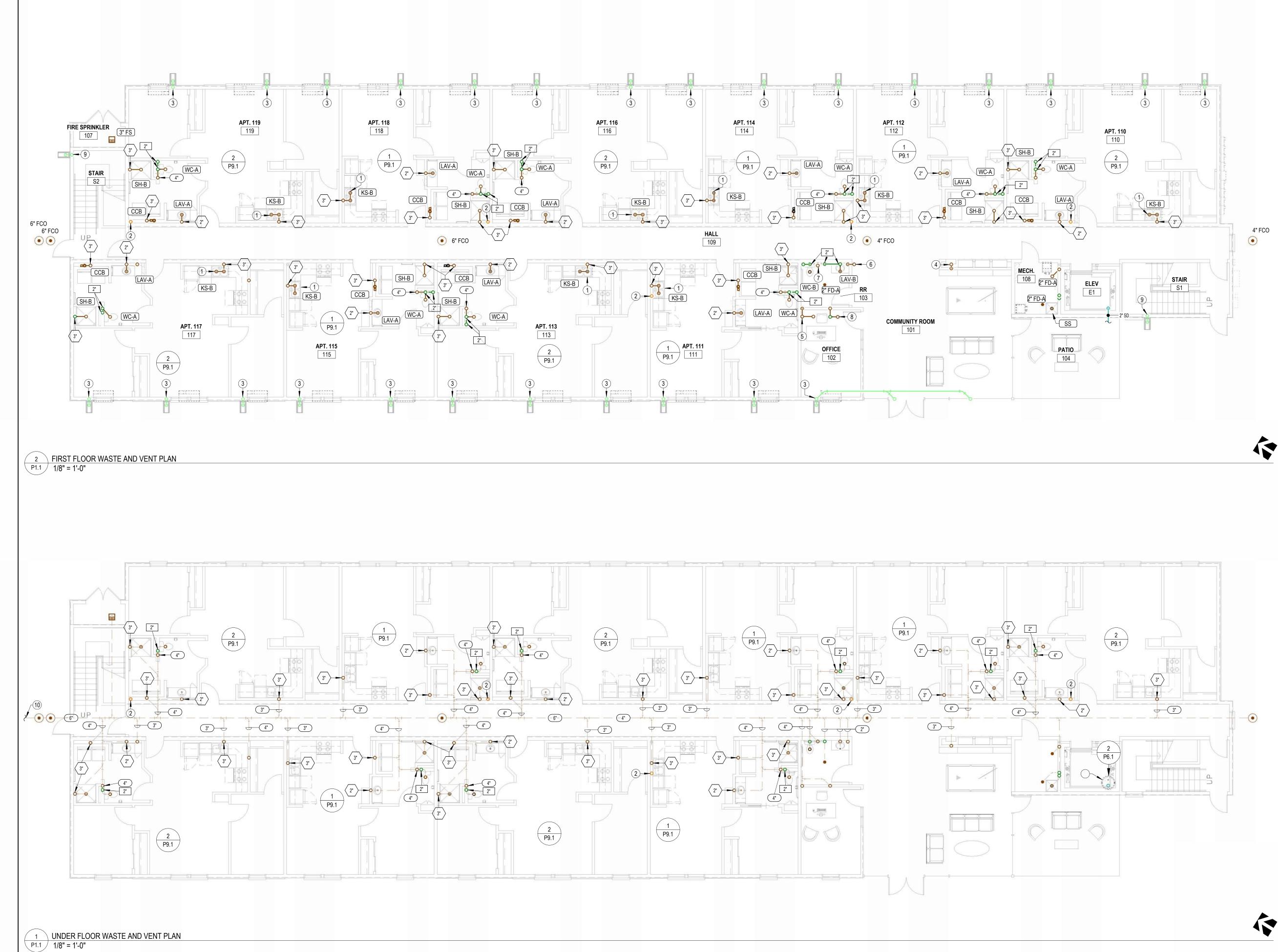
C. TREDWAY 95252 03-25-2025 EVISIONS:

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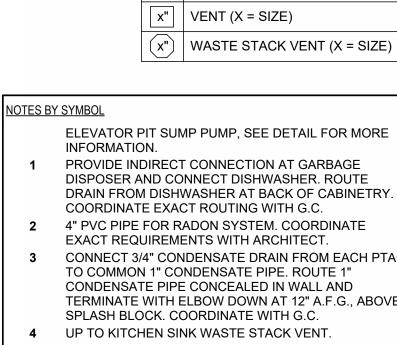
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CORSICANA

FACILITY **NEW SENIOR-LIVING RESIDENCES A**

CEDAR RED TEXAS





- 5 UP TO SHOWER WASTE STACK VENT.
- 6 UP TO LAVATORY WASTE STACK VENT.
- STACK VENT.
- 8 UP TO WATER CLOSET. 9 ROUTE 1" CONDENSATE PIPE FROM INDOOR UNIT CONCEALED IN WALL AND TERMINATE WITH ELBOW DOWN AT 12" A.F.G., ABOVE SPLASH BLOCK. COORDINATE WITH G.C.
- **10** SEE CIVIL DRAWINGS FOR CONTINUATION.



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03/25/2025

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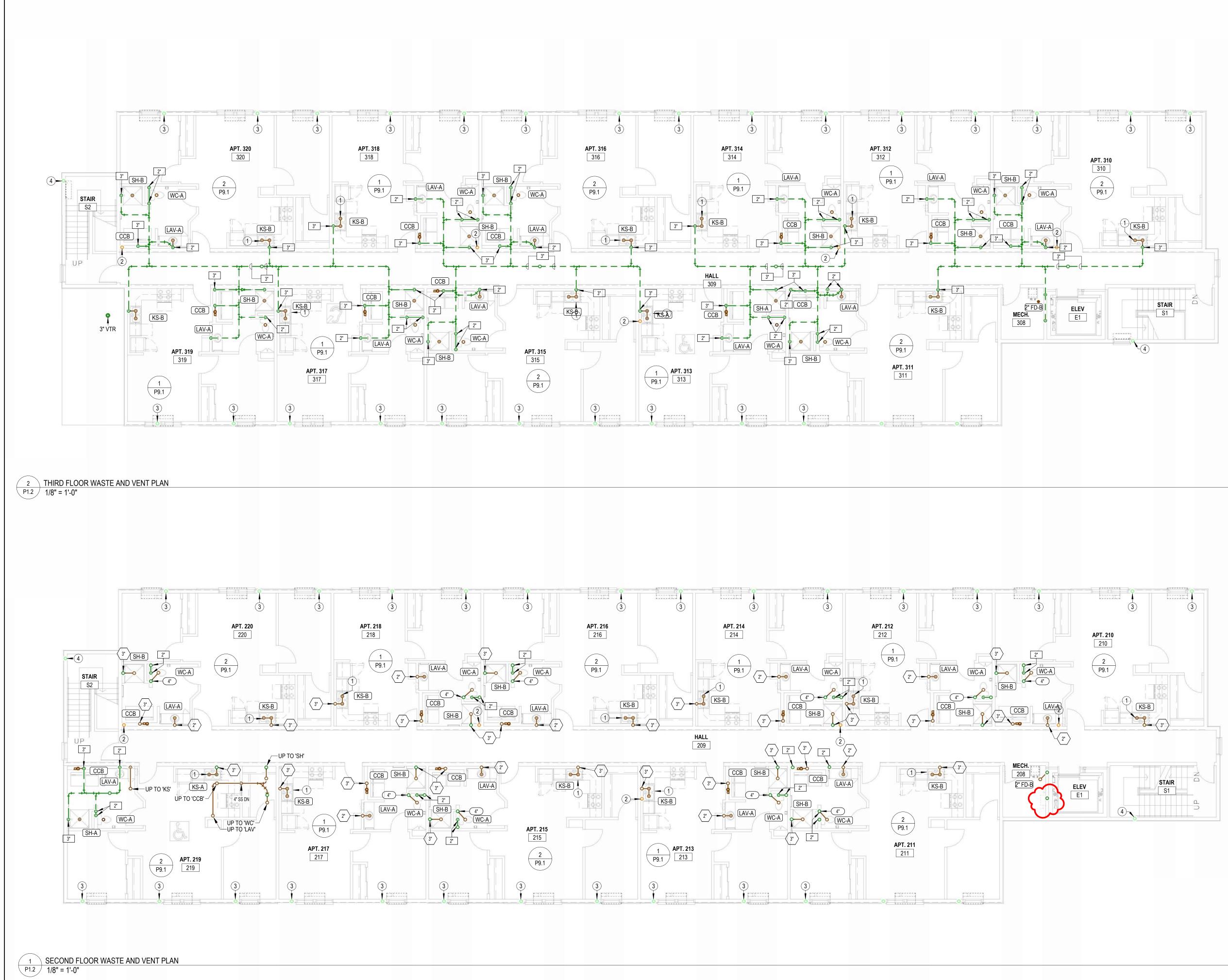
JonesGillamRe

PLUMBING SIZING SYMBOLS $\left| \begin{array}{c} x^{"} \end{array} \right|$ DRAIN (X = SIZE) (x") WASTE STACK VENT (X = SIZE)

3 CONNECT 3/4" CONDENSATE DRAIN FROM EACH PTAC CONDENSATE PIPE CONCEALED IN WALL AND TERMINATE WITH ELBOW DOWN AT 12" A.F.G., ABOVE

- 7 UP TO CLOTHES WASHER CONNECTION BOX WASTE

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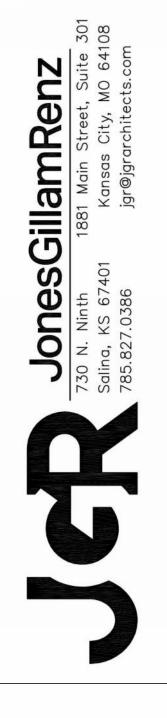
PLU	PLUMBING SIZING SYMBOLS						
X "	DRAIN (X = SIZE)						
X "	VENT (X = SIZE)						
(X")	WASTE STACK VENT (X = SIZE)						

NOTES BY SYMBOL

1 PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C.

Proiect 24073

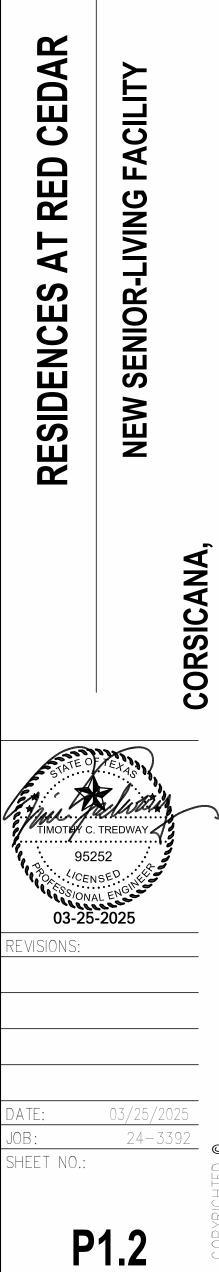
- 2 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- 3 CONNECT 3/4" CONDENSATE DRAIN FROM EACH PTAC TO COMMON 1" CONDENSATE PIPE. ROUTE 1" CONDENSATE PIPE CONCEALED IN WALL AND TERMINATE WITH ELBOW DOWN AT 12" A.F.G., ABOVE
- SPLASH BLOCK. COORDINATE WITH G.C. ROUTE 1" CONDENSATE PIPE FROM INDOOR UNIT CONCEALED IN WALL AND TERMINATE WITH ELBOW DOWN AT 12" A.F.G., ABOVE SPLASH BLOCK. COORDINATE WITH G.C.





TEXAS

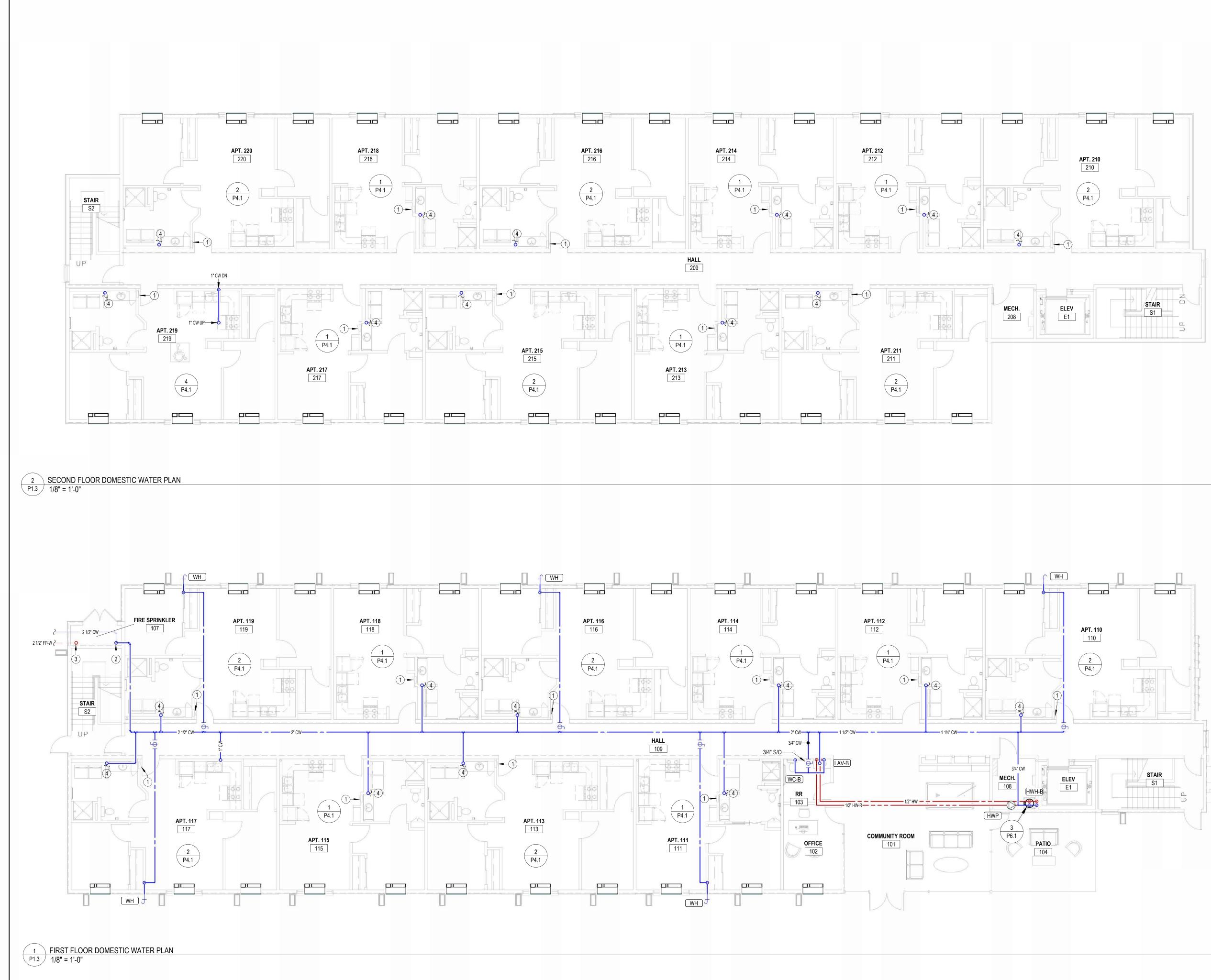
95252 03-25-2025







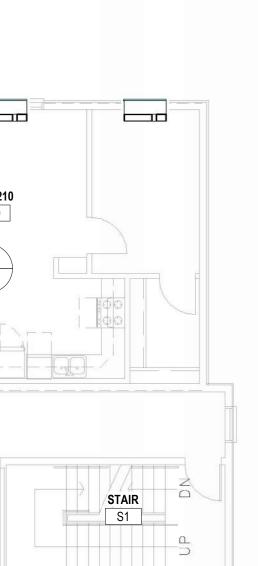


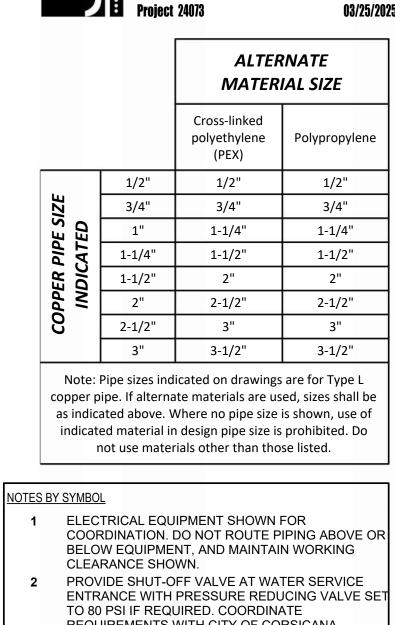




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03/25/2025





REQUIREMENTS WITH CITY OF CORSICANA. FIRE PROTECTION SERVICE ENTRANCE. INSTALL IN 3 ACCORDANCE WITH NFPA 13R. COORDINATE LOCATION OF ALL VALVES AND APPURTENANCES WITH AHJ. SEE FIRE PROTECTION RISER DETAIL ON P6.1 FOR MORE INFORMATION. 4 SEE ENLARGED DOMESTIC WATER PLANS FOR CONTINUATION.





TEXAS

CEDAR RED . **RESIDENCES A1**

> CORSICANA 95252 03-25-2025

EVISIONS:

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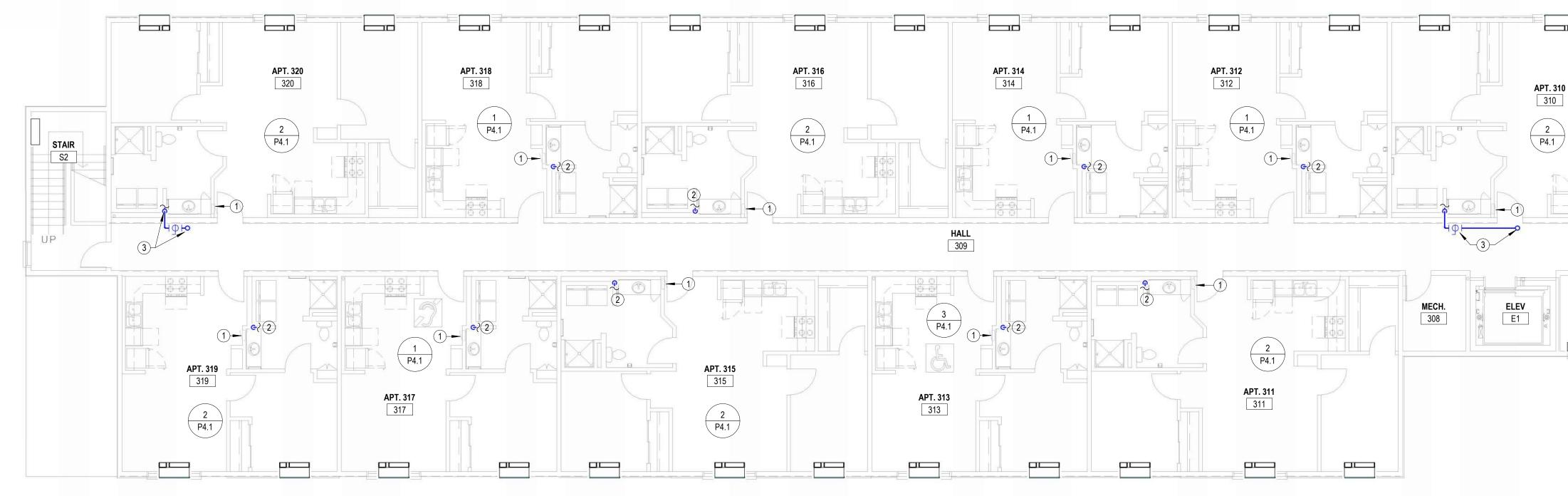


P1.3





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		RNATE IAL 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"

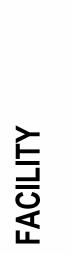
Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no pipe size is shown, use of indicated material in design pipe size is prohibited. Do not use materials other than those listed.



PIPING TO FIXTURES FOR DWELLING UNITS ON 3RD FLOOR TO BE ROUTED BELOW THE FLOOR. DO NOT ROUTE DOMESTIC WATER PIPING IN THE ATTIC.

- 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 PROVIDE 3/4" COLD WATER WITH SHUT-OFF VALVE UP TO ROOF HYDRANT, CONNECT TO 1" PIPING PRIOR TO APARTMENT SHUTOFF VALVE.





NEW SENIOR-LIVING

CEDAR

RED

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RESIDENCES A1

TEXAS

APT. 310 310 STAIR S1





CORSICANA

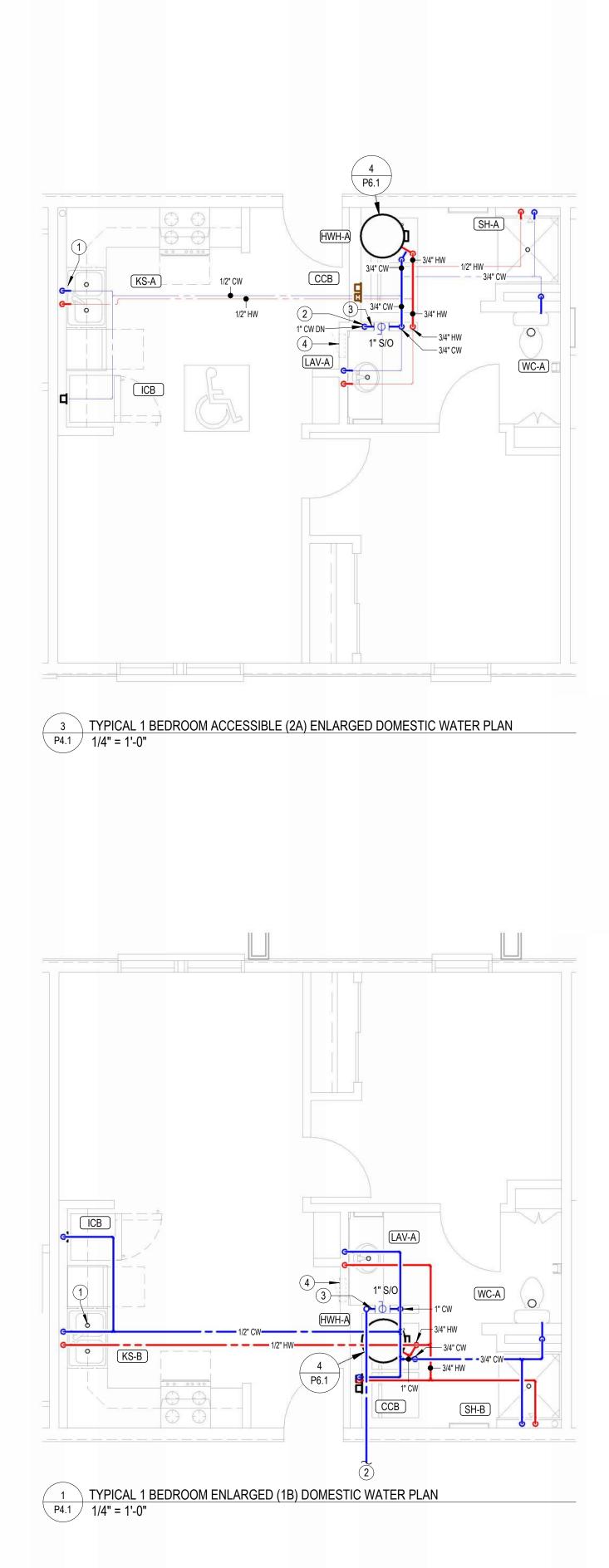
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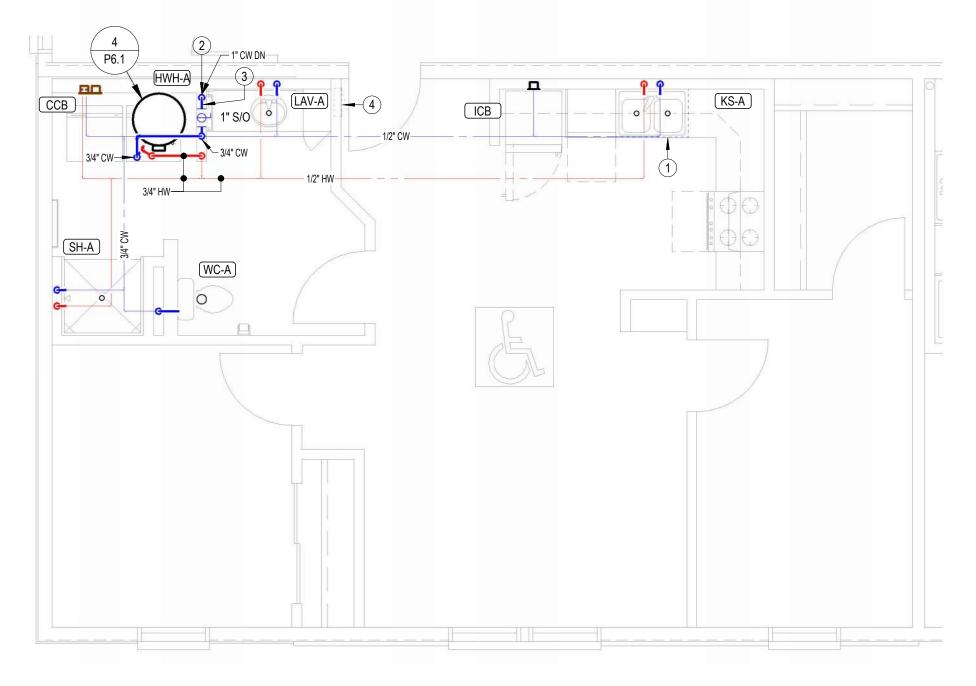
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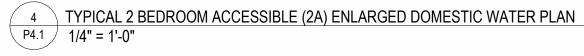
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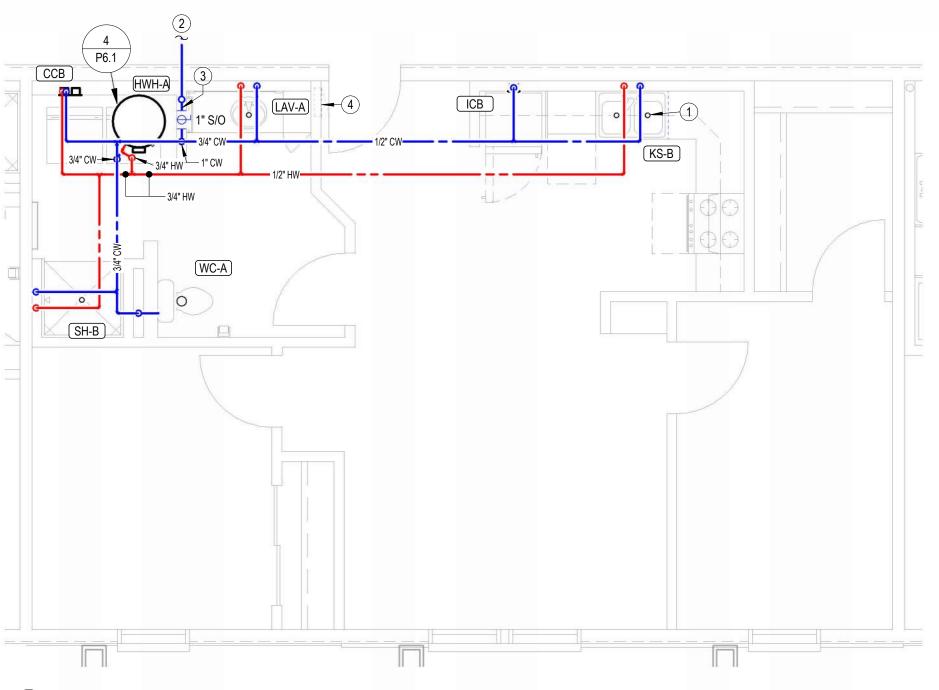
EVISIONS:











2 TYPICAL 2 BEDROOM ENLARGED (2B) DOMESTIC WATER PLAN P4.1 1/4" = 1'-0"

	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.



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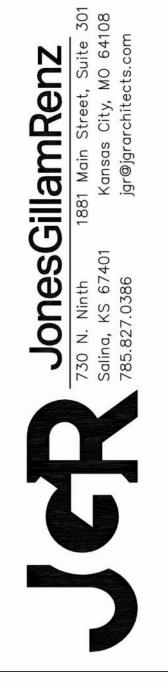
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PIPING TO FIXTURES FOR DWELLING UNITS ON 3RD FLOOR TO BE ROUTED BELOW THE FLOOR. DO NOT ROUTE DOMESTIC WATER PIPING IN THE ATTIC.

Project 24073

NOTES BY SYMBOL

- PROVIDE 1/2" VALVED BRANCH BELOW SINK AND CONNECT 1 DISHWASHWER. ROUTE PIPING ALONG BACK OF CABINETRY, COORDINATE EXACT ROUTING WITH G.C. COORDINATE EXACT REQUIREMENTS WITH DISHWASHER PROVIDED. SEE OVERALL DOMESTIC WATER PLANS FOR CONTINUATION. PROVIDE 1" WATER SERVICE TO APARTMENT WITH SHUT-OFF VALVE 3 CONCEALED IN WALL, PROVIDE ACCESS PANEL IN DWELLING UNIT
- AS REQUIRED. 4 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.



TEXAS

CEDAR FACILITY RED **NEW SENIOR-LIVING** . **RESIDENCES A1**



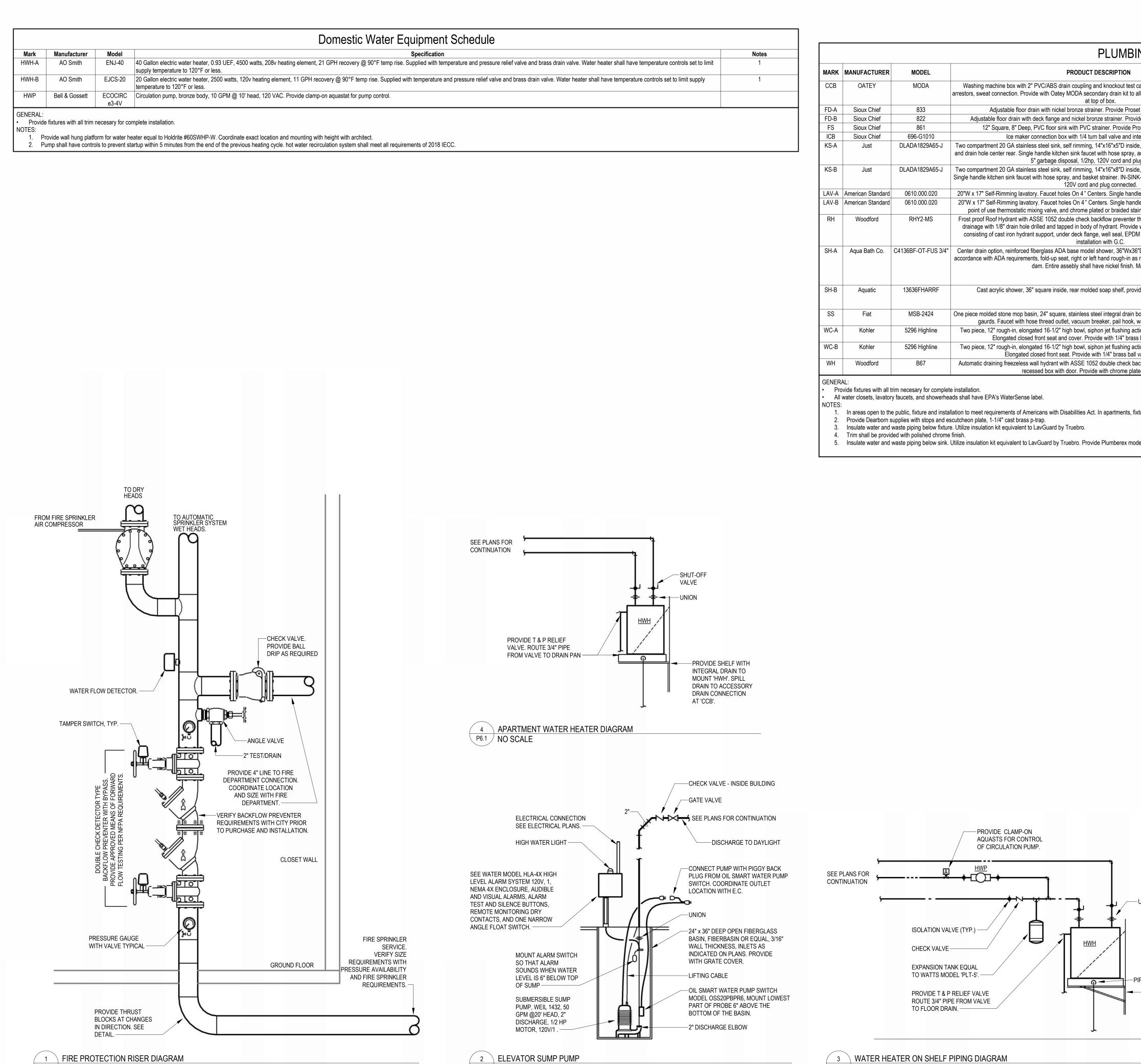
CORSICANA

95252

03-25-2025

EVISIONS:





2 ELEVATOR SUMP PUMP P6.1 NO SCALE

MARK MAN					ROUGH-IN SIZES				UOT	ADA	NOTE
	MANUFACIURER	MODEL	PRODUCT DESCRIPTION	TRIM DESCRIPTION	DRAIN	VENT	WATER	COLD	НОТ	COMPLIANT	NOTES
CCB	OATEY	MODA	Washing machine box with 2" PVC/ABS drain coupling and knockout test cap. Two, 1/4 turn ball valves with hammer arrestors, sweat connection. Provide with Oatey MODA secondary drain kit to allow connection of Hot Water Heater drain par at top of box.	n	2"	1 1/2"	1/2"	Yes	Yes		
FD-A	Sioux Chief	833	Adjustable floor drain with nickel bronze strainer. Provide Proset Trapgaurd protection device.		2"	2"					
FD-B	Sioux Chief	822	Adjustable floor drain with deck flange and nickel bronze strainer. Provide Proset Trapgaurd protection device.		2"	2"					
FS	Sioux Chief	861	12" Square, 8" Deep, PVC floor sink with PVC strainer. Provide Proset Trapgaurd protection device.		3"	2"					
ICB	Sioux Chief	696-G1010	Ice maker connection box with 1/4 turn ball valve and integral hammer arrestor.		0"	0"	1/2"	Yes	No		
KS-A	Just	DLADA1829A65-J	Two compartment 20 GA stainless steel sink, self rimming, 14"x16"x5"D inside, fully undercoated, faucet holes as required, and drain hole center rear. Single handle kitchen sink faucet with hose spray, and basket strainer. IN-SINK-ERator: "Badger 5" garbage disposal, 1/2hp, 120V cord and plug connected.		2"	2"	1/2"	Yes	Yes	Yes	1,2,3,4,5
KS-B	Just	DLADA1829A65-J	Two compartment 20 GA stainless steel sink, self rimming, 14"x16"x8"D inside, fully undercoated, faucet holes as required. Single handle kitchen sink faucet with hose spray, and basket strainer. IN-SINK-ERator: "Badger 5" garbage disposal, 1/2hp 120V cord and plug connected.		2"	2"	1/2"	Yes	Yes	No	2,3,4,5
LAV-A	American Standard	0610.000.020	20"W x 17" Self-Rimming lavatory. Faucet holes On 4" Centers. Single handled 0.5 GPM faucet. Provided with pop-drain.	Kohler / 1518-4NDRA	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,5
LAV-B	American Standard	0610.000.020	20"W x 17" Self-Rimming lavatory. Faucet holes On 4" Centers. Single handled 0.5 GPM faucet. Provide with grid drain, point of use thermostatic mixing valve, and chrome plated or braided stainless steel domestic water supply lines.	Kohler / 1518-4NDRA	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,5
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	
SH-A	Aqua Bath Co.	C4136BF-OT-FUS 3/4"	Center drain option, reinforced fiberglass ADA base model shower, 36"Wx36"Dx80"H with integral soap/toiletry shelves in accordance with ADA requirements, fold-up seat, right or left hand rough-in as required, white finish, provide with collapsible dam. Entire assebly shall have nickel finish. Max 2.0 GPM	Kohler / K-8304-KS pressure balancing valve with integral temperature limits and stops / K-TS10276-4 valve trim / K-22173 wall supply elbow / K-9514 60" hose / K-22165-G hand shower / K-8524 and K-349 slide bar.	2"	2"	1/2"	Yes	Yes	Yes	1
SH-B	Aquatic	13636FHARRF	Cast acrylic shower, 36" square inside, rear molded soap shelf, provide with FHA backing. Max 2.0 GPM	Kohler / K-8304-KS pressure balancing valve with integral temperature limits and stops / K-TS10276-4 valve trim	2"	2"	1/2"	Yes	Yes	Yes	
SS	Fiat	MSB-2424	One piece molded stone mop basin, 24" square, stainless steel integral drain body with caulk connection, stainless steel wal gaurds. Faucet with hose thread outlet, vacuum breaker, pail hook, wall brace, and metal lever handels.	Chicago Faucets / 897-CP	3"	1 1/2"	3/4"	Yes	Yes	No	
WC-A	Kohler	5296 Highline	Two piece, 12" rough-in, elongated 16-1/2" high bowl, siphon jet flushing action, actuator located on open side of room. Elongated closed front seat and cover. Provide with 1/4" brass ball valve at wall connection.	Kohler / K-5588	4"	2"	1/2"	Yes	No	No	1
WC-B	Kohler	5296 Highline	Two piece, 12" rough-in, elongated 16-1/2" high bowl, siphon jet flushing action, actuator located on open side of room. Elongated closed front seat. Provide with 1/4" brass ball valve at wall connection.	Kohler / K-5588	4"	2"	1/2"	Yes	No	Yes	1
WH	Woodford	B67	Automatic draining freezeless wall hydrant with ASSE 1052 double check backflow preventor, loose tee key handle, with recessed box with door. Provide with chrome plated exterior finish.				3/4"	Yes	No	No	

In areas open to the public, fixture and installation to meet requirements of Americans with Disabilities Act. In apartments, fixture and installation to meet requirements of the Fair Housing Act.

5. Insulate water and waste piping below sink. Utilize insulation kit equivalent to LavGuard by Truebro. Provide Plumberex model #3071WD-N waste disposal cover.



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> mail@LSTengineers.com 03/25/2025



CEDAR RED 4 RESIDENCES

FACILITY **SENIOR-LIVING**

NEW

TEXAS

CORSICANA TREDWAY 95252 03-25-2025

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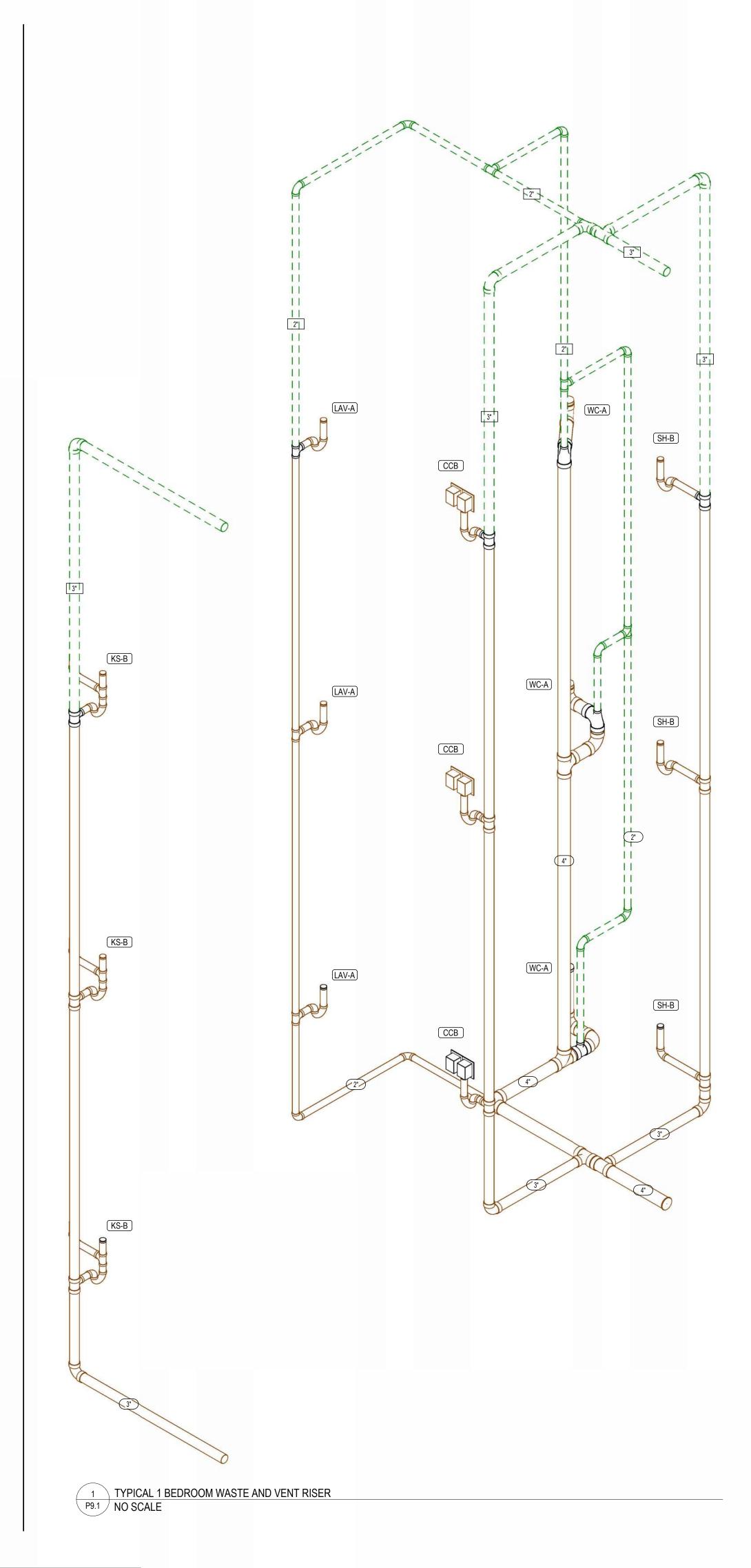
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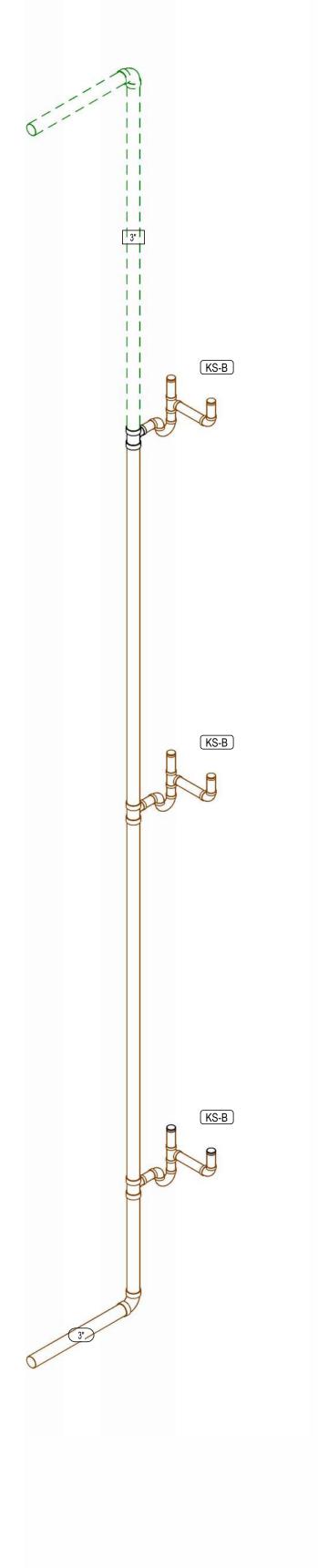


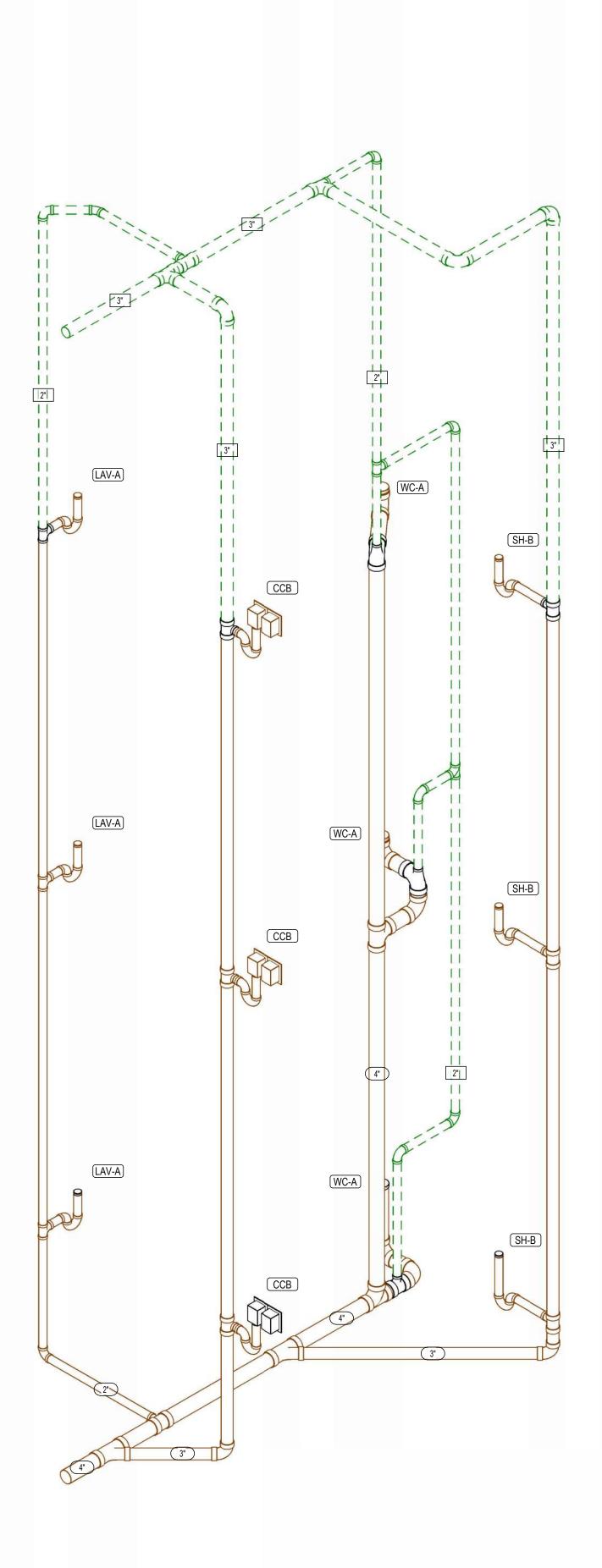
P6.1



-PIPE TO 'FD' MOUNT 'HWH'









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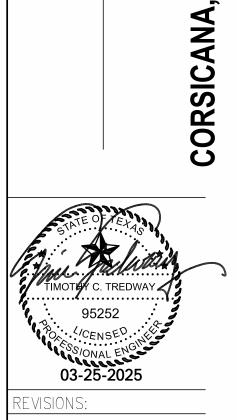
PLUMBING SIZING SYMBOLS					
(x ")	DRAIN (X = SIZE)				
X"	VENT (X = SIZE)				
(X")	WASTE STACK VENT (X = SIZE)				

NOTES BY SYMBOL





NEW SENIOR-LIVING FACILITY



SHEET NO.:

03/25/2025 24-3392

