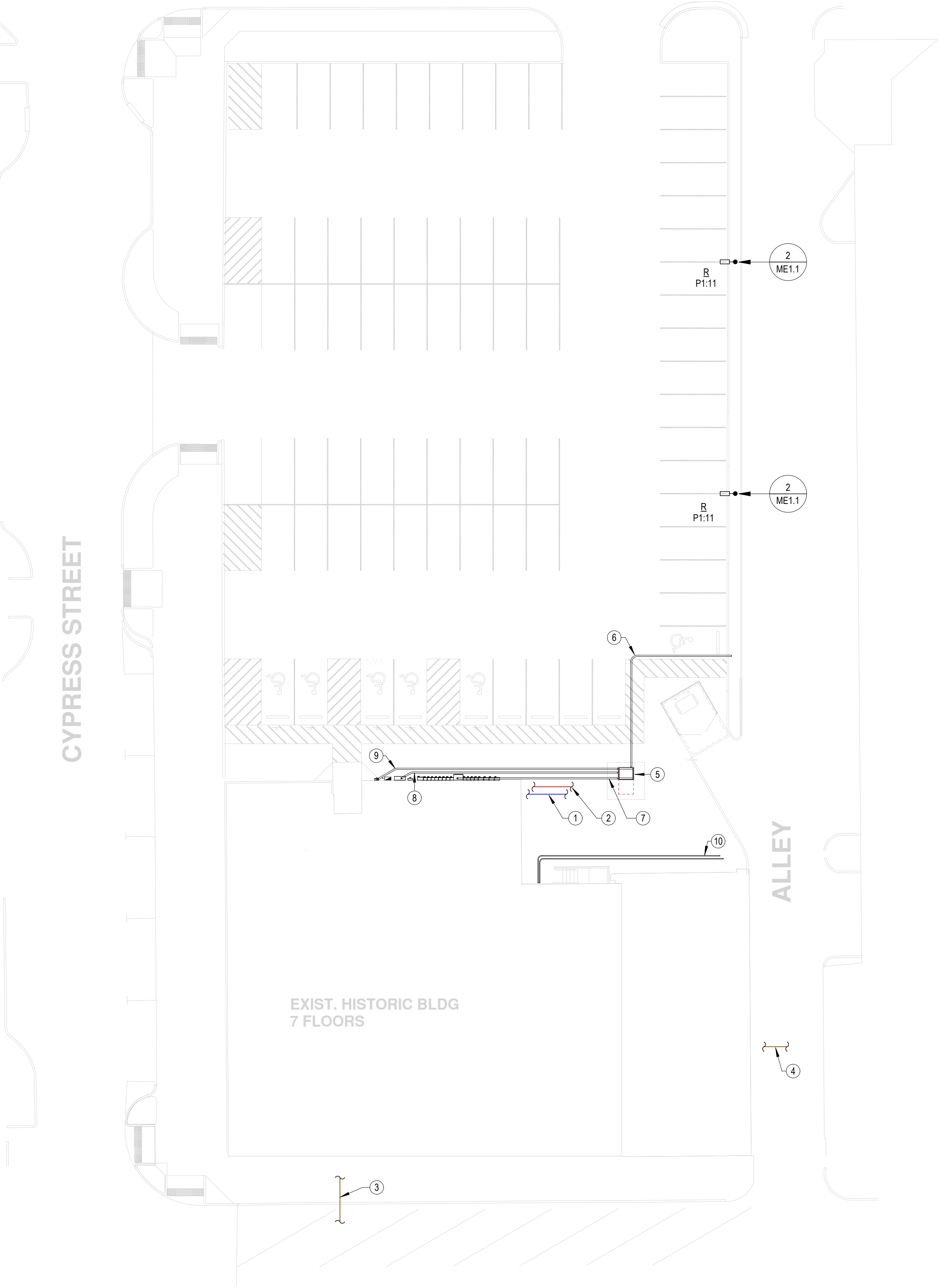
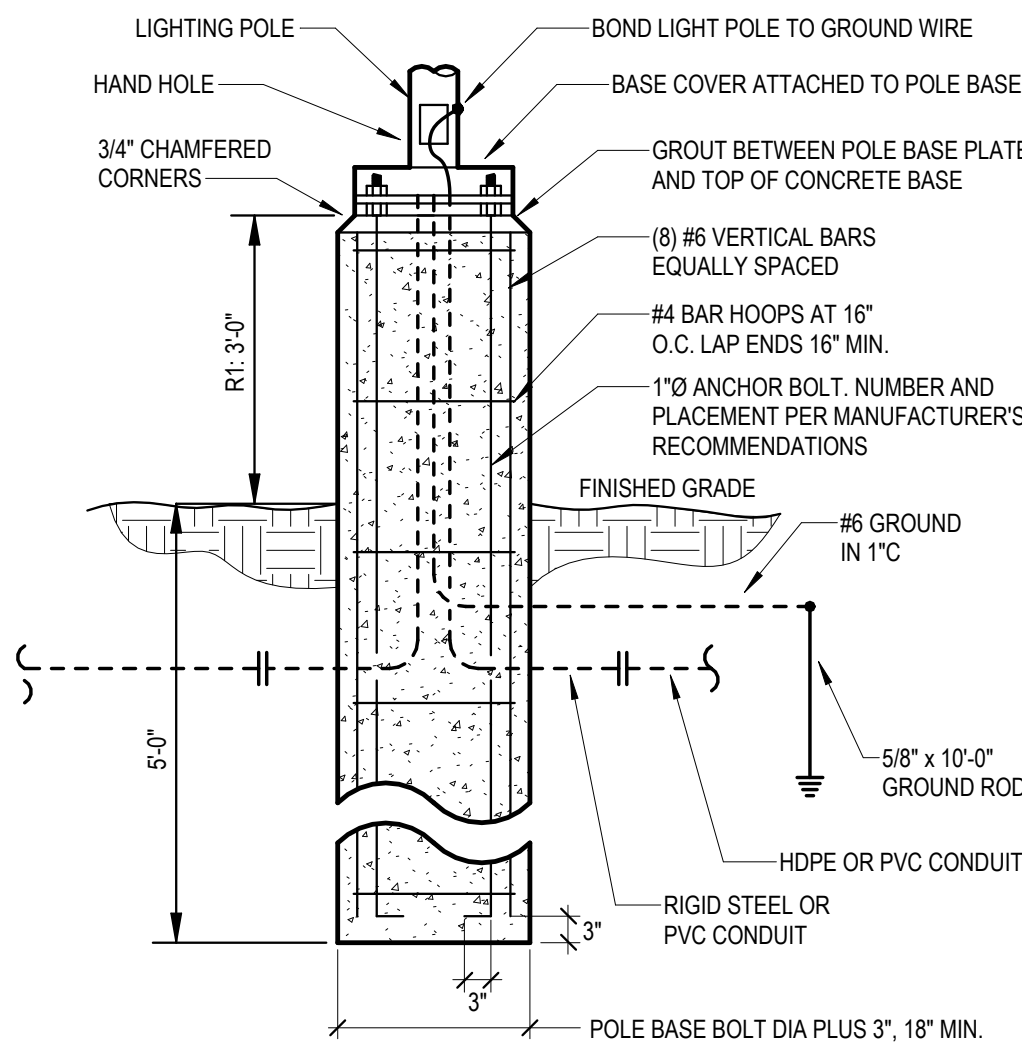
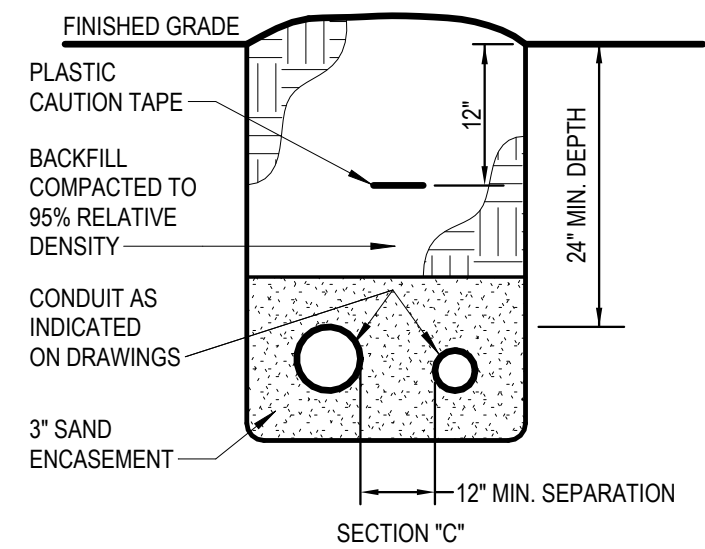




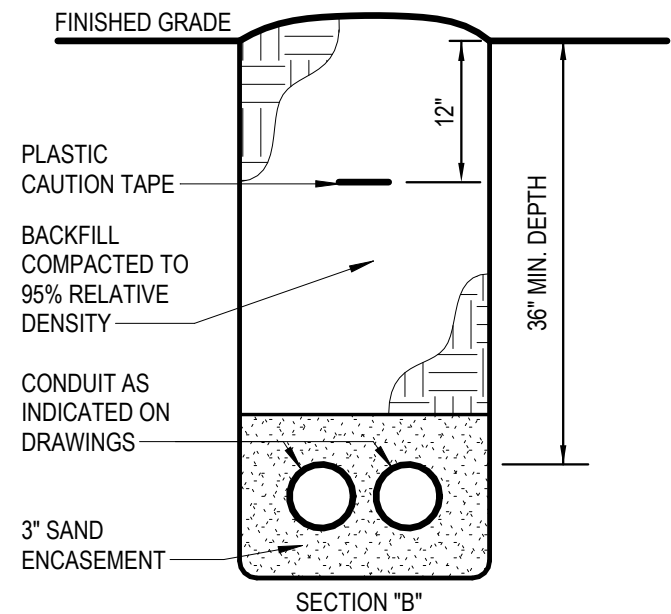
1 **MECHANICAL/ELECTRICAL SITE PLAN**
1" = 20'-0"



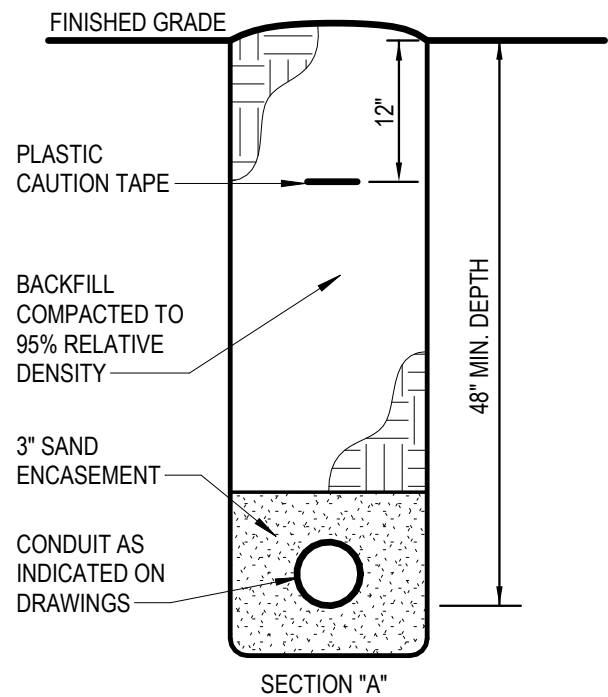
2 **LIGHT POLE BASE DETAIL**
NO SCALE



5 **CONDUIT TRENCH (COMMUNICATIONS)**
NO SCALE

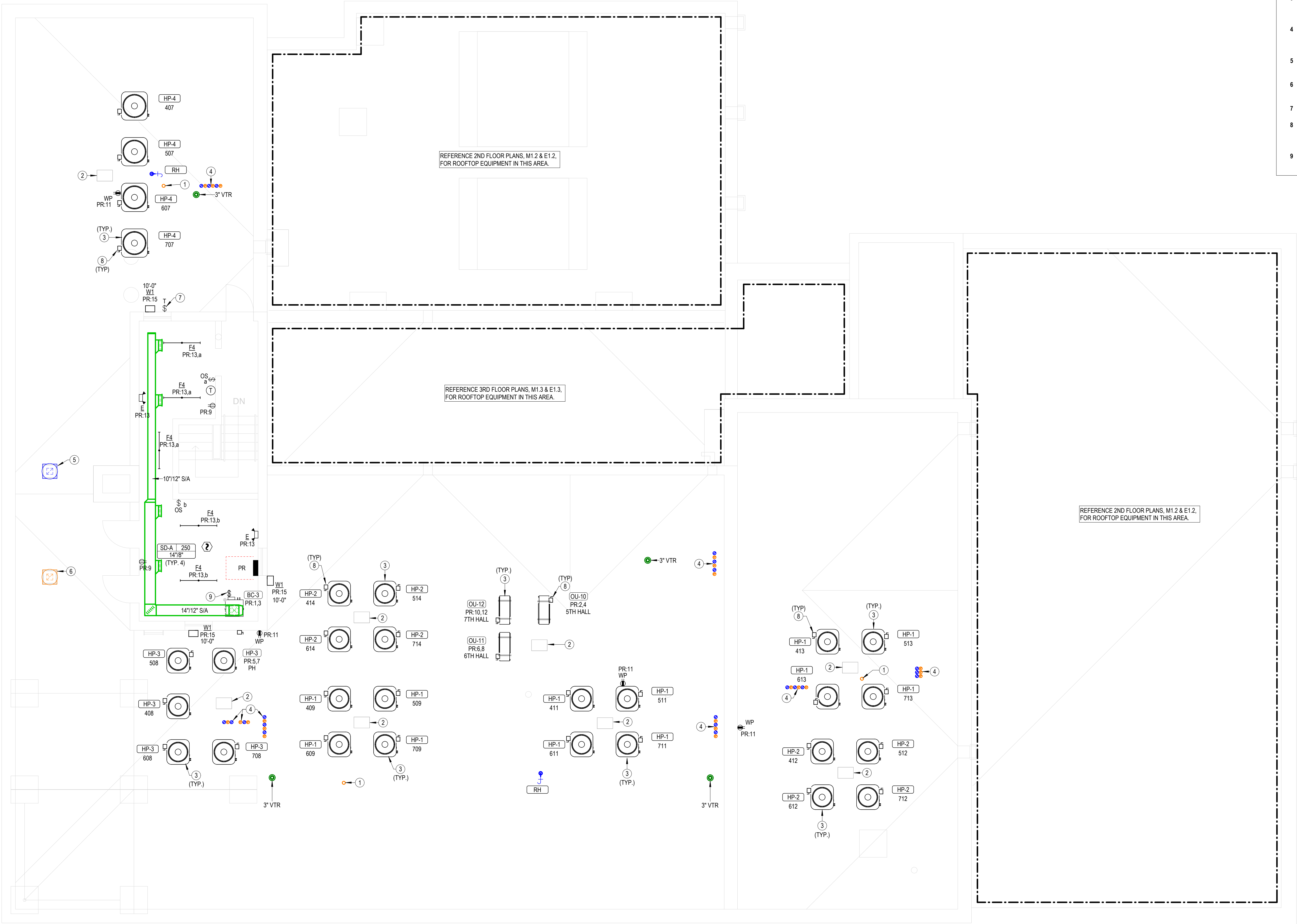


4 **CONDUIT TRENCH SECTION (SECONDARY)**
NO SCALE



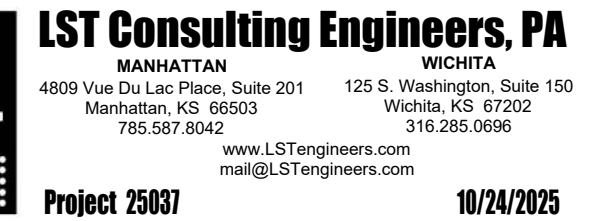
3 **CONDUIT TRENCH SECTION (PRIMARY)**
NO SCALE

- NOTES BY SYMBOL**
- 3" DOMESTIC WATER SERVICE. SEE CIVIL DRAWINGS FOR CONTINUATION.
 - FIRE SERVICE. SEE CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT REQUIREMENTS WITH FIRE SUPPRESSION SHOP DRAWINGS PROVIDED BY OTHERS.
 - 6" SANITARY SEWER. SEE CIVIL DRAWINGS FOR CONTINUATION.
 - 4" SANITARY SEWER. SEE CIVIL DRAWINGS FOR CONTINUATION.
 - POWER COMPANY PROVIDED PAD MOUNTED UTILITY TRANSFORMER. CONCRETE PAD BY GENERAL CONTRACTOR. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH POWER UTILITY COMPANY PRIOR TO COMMENCING WORK.
 - 4" CONDUIT WITH 1/4" PULL ROPE BELOW GRADE FOR POWER COMPANY PROVIDED PRIMARY CABLING. COORDINATE EXACT ROUTING WITH LOCAL POWER COMPANY PRIOR TO COMMENCING WORK. REFERENCE DETAIL 3, THIS SHEET.
 - SERVICE LATERAL TO RESIDENTIAL METER CENTER 'RMC', REFERENCE DETAIL 4, THIS SHEET.
 - SERVICE LATERAL TO HOUSE SERVICE DISCONNECT 'SDS' VIA CT CABINET 'CT', REFERENCE DETAIL 4, THIS SHEET.
 - SERVICE LATERAL TO FIRE PUMP METER 'FM', REFERENCE DETAIL 4, THIS SHEET.
 - (2) 2" CONDUITS BELOW GRADE FOR COMMUNICATIONS SERVICES. PROVIDE PULL STRING IN EACH RACEWAY. VERIFY TERMINATION POINT AT PROPERTY LINE WITH LOCAL COMMUNICATIONS ACCESS PROVIDER. REFERENCE DETAIL 5, THIS SHEET.



NOTES BY SYMBOL

- 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- ROUTE REFRIGERANT PIPING DOWN THROUGH ROOF TO MATCHING BLOWER COIL. PROVIDE PIPING PENETRATION ASSEMBLY EQUAL TO RPH AW SERIES ROOF. VULT WITH EXIT SEALS FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT AND TWO ADDITIONAL SPARE EXIT SEALS. SUBMIT PRODUCT DATA FOR REVIEW PRIOR TO INSTALLATION. COORDINATE CUTTING OF ROOF WITH G.C.
- MOUNT HEAT PUMP TO UNISTRUT FRAME SUPPORTED ON NVENT CADDY PYRAMID ROOF SUPPORTS. PROVIDE VIBRATION ISOLATOR BETWEEN ROOF SUPPORTS AND UNISTRUT FRAME. COORDINATE INSTALLATION WITH ROOFING CONTRACTOR. TYPICAL.
- PROVIDE ROOF CURB LARGE ENOUGH TO ACCOMMODATE ERV EXHAUST AND INTAKE DUCTWORK. INSTALL METAL TANDEM HOOD FOR ERV EXHAUST AND INTAKE EQUAL TO BROAN V14695 ON SIDEWALL OF CURB, COORDINATE COLOR WITH ARCHITECT. COORDINATE CUTTING OF ROOF WITH G.C.
- PROVIDE GRAVITY ROOF INTAKE VENTILATOR WITH BIRD SCREEN EQUAL TO GREENHECK GRSI-8. MINIMUM 0.37 SQUARE FOOT THROAT AREA. PROVIDE WITH ROOF CURB COMPATIBLE WITH ROOF SLOPE AND MATERIAL.
- PROVIDE GRAVITY ROOF RELIEF VENTILATOR WITH BIRD SCREEN EQUAL TO GREENHECK GRSR-8. MINIMUM 0.37 SQUARE FOOT THROAT AREA. PROVIDE WITH ROOF CURB COMPATIBLE WITH ROOF SLOPE AND MATERIAL.
- PROVIDE 2-HOUR TIMER SWITCH IN WEATHERPROOF ENCLOSURE FOR CONTROL OF ROOFTOP LIGHTS.
- PROVIDE 30A/2-POLE, NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE AND MAKE FINAL CONNECTION TO EQUIPMENT IN LFMC RACEWAY. MOUNT TO UNISTRUT FRAME SUPPORTED FROM EQUIPMENT SUPPORT RAILS. TYPICAL UNLESS NOTED OTHERWISE.
- PROVIDE 50A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA 1 ENCLOSURE. HUBBELL #HBL7852D OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.



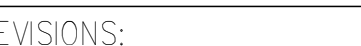
- 1 MOUNT ALL DUCT AS HIGH AS POSSIBLE BELOW STRUCTURE AND WHERE REQUIRED TO OFFSET, KEEP AS TIGHT AND HIGH AS POSSIBLE.
- 2 PROVIDE SHOP DRAWINGS SHOWING EXACT ROUTING OF REFRIGERANT PIPING FOR REVIEW BY ARCHITECT AND ENGINEER.
- 3 INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH ALL PROVISIONS OF ASHRAE 15 INCLUDING LATEST ADDENDA.
- 4 PROTECT PIPING PER ASHRAE 15 SECTION 9.12.
- 5 PRESSURE TEST PIPING PER ASHRAE 15 SECTION 9.13.
- 6 DUCTWORK CONSTRUCTION SHALL COMPLY WITH 2021 IECC.

1 PROVIDE DEHUMIDIFIER EQUAL TO LENNOX MODEL HCWHD4-80, RATED FOR 80 PINTS PER DAY, 120V CORD AND PLUG CONNECTION. SUSPEND DE-HUMIDIFIER FROM CEILING.


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

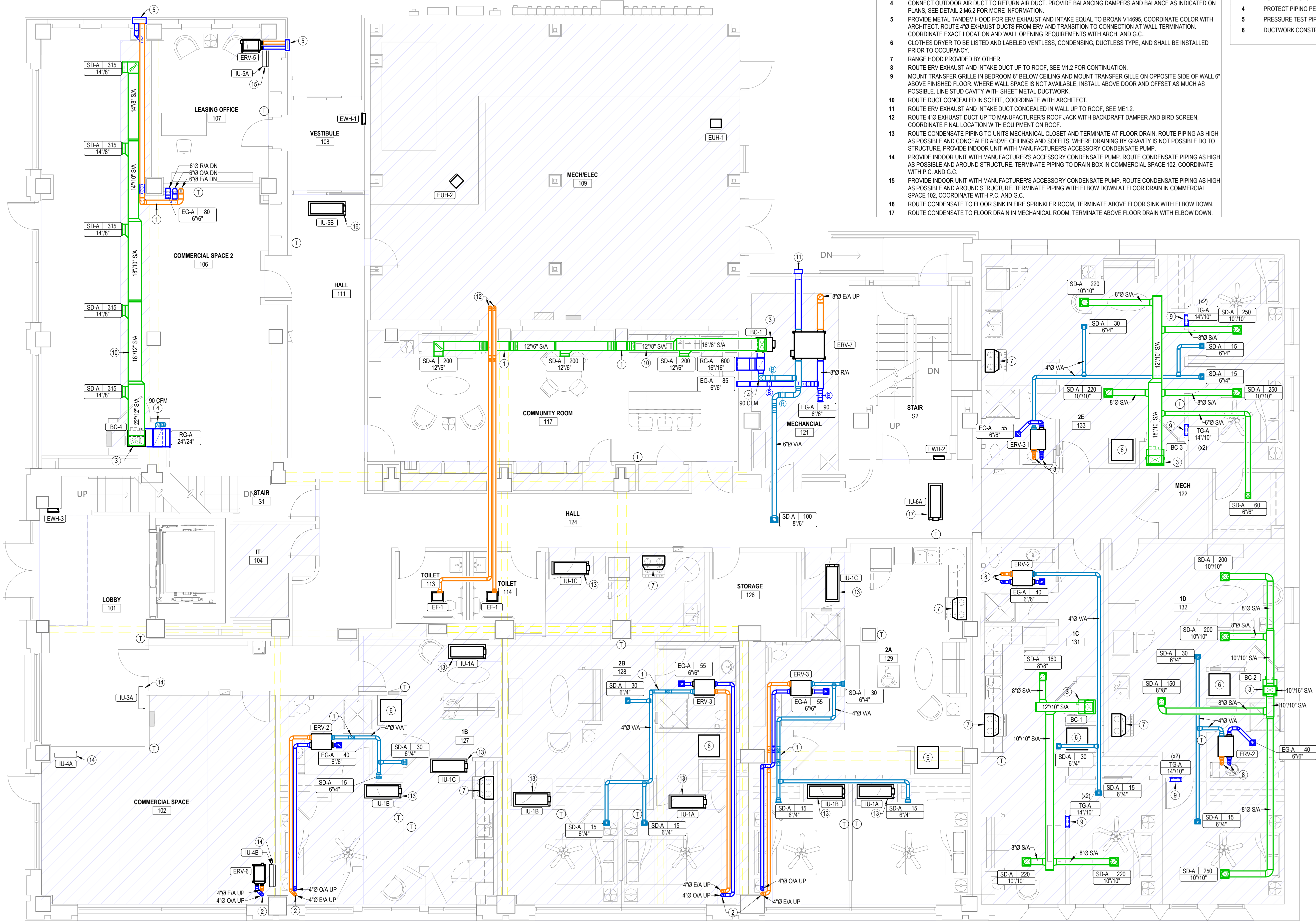
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NOTES BY SYMBOL

- 1 OFFSET DUCTWORK BELOW BEAM, TYPICAL. COORDINATE SOFFIT AND CHASE REQUIREMENTS WITH ARCHITECT AND G.C.
- 2 ROUTE ERV EXHAUST AND INTAKE DUCT UP TO SECOND FLOOR CONCEALED IN FIRE RATED CHASE. COORDINATE REQUIREMENTS WITH OWNER.
- 3 ROUTE REFRIGERANT PIPING FROM BLOWER COIL TO CORRESPONDING HEAT PUMP UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE M1.2, M1.3 AND ME1.2 FOR HEAT PUMP LOCATIONS.
- 4 CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS. SEE DETAIL 2M6.2 FOR MORE INFORMATION.
- 5 PROVIDE METAL TANDEM HOOD FOR ERV EXHAUST AND INTAKE EQUAL TO BROAN V14695. COORDINATE COLOR WITH ARCHITECT. ROUTE 4"Ø EXHAUST DUCTS FROM ERV AND TRANSITION TO CONNECTION AT WALL TERMINATION. COORDINATE EXACT LOCATION AND WALL OPENING REQUIREMENTS WITH ARCH. AND G.C..
- 6 CLOTHES DRYER TO BE LISTED AND LABELED VENTLESS, CONDENSING, DUCTLESS TYPE, AND SHALL BE INSTALLED PRIOR TO OCCUPANCY.
- 7 RANGE HOOD PROVIDED BY OTHER.
- 8 ROUTE ERV EXHAUST AND INTAKE DUCT UP TO ROOF. SEE M1.2 FOR CONTINUATION.
- 9 MOUNT TRANSFER GRILLE IN BEDROOM 6" BELOW CEILING AND MOUNT TRANSFER GRILLE ON OPPOSITE SIDE OF WALL 6" ABOVE FINISHED FLOOR, WHERE WALL SPACE IS NOT AVAILABLE, INSTALL ABOVE DOOR AND OFFSET AS MUCH AS POSSIBLE. LINE STUD CAVITY WITH SHEET METAL DUCTWORK.
- 10 ROUTE DUCT CONCEALED IN SOFFIT, COORDINATE WITH ARCHITECT.
- 11 ROUTE ERV EXHAUST AND INTAKE DUCT CONCEALED IN WALL UP TO ROOF. SEE ME1.2.
- 12 ROUTE 4"Ø EXHAUST DUCT UP TO MANUFACTURER'S ROOF JACK WITH BACKDRAFT DAMPER AND BIRD SCREEN. COORDINATE FINAL LOCATION WITH EQUIPMENT ON ROOF.
- 13 ROUTE CONDENSATE PIPING TO UNITS MECHANICAL CLOSET AND TERMINATE AT FLOOR DRAIN. ROUTE PIPING AS HIGH AS POSSIBLE AND CONCEALED ABOVE CEILINGS AND SOFFITS. WHERE DRAINING BY GRAVITY IS NOT POSSIBLE DO TO STRUCTURE. PROVIDE INDOOR UNIT WITH MANUFACTURER'S ACCESSORY CONDENSATE PUMP.
- 14 PROVIDE INDOOR UNIT WITH MANUFACTURER'S ACCESSORY CONDENSATE PUMP. ROUTE CONDENSATE PIPING AS HIGH AS POSSIBLE AND AROUND STRUCTURE. TERMINATE PIPING TO DRAIN BOX IN COMMERCIAL SPACE 102, COORDINATE WITH P.C. AND G.C.
- 15 PROVIDE INDOOR UNIT WITH MANUFACTURER'S ACCESSORY CONDENSATE PUMP. ROUTE CONDENSATE PIPING AS HIGH AS POSSIBLE AND AROUND STRUCTURE. TERMINATE PIPING WITH ELBOW DOWN AT FLOOR DRAIN IN COMMERCIAL SPACE 102, COORDINATE WITH P.C. AND G.C.
- 16 ROUTE CONDENSATE TO FLOOR SINK IN FIRE SPRINKLER ROOM, TERMINATE ABOVE FLOOR SINK WITH ELBOW DOWN.
- 17 ROUTE CONDENSATE TO FLOOR DRAIN IN MECHANICAL ROOM, TERMINATE ABOVE FLOOR DRAIN WITH ELBOW DOWN.

GENERAL MECHANICAL NOTES

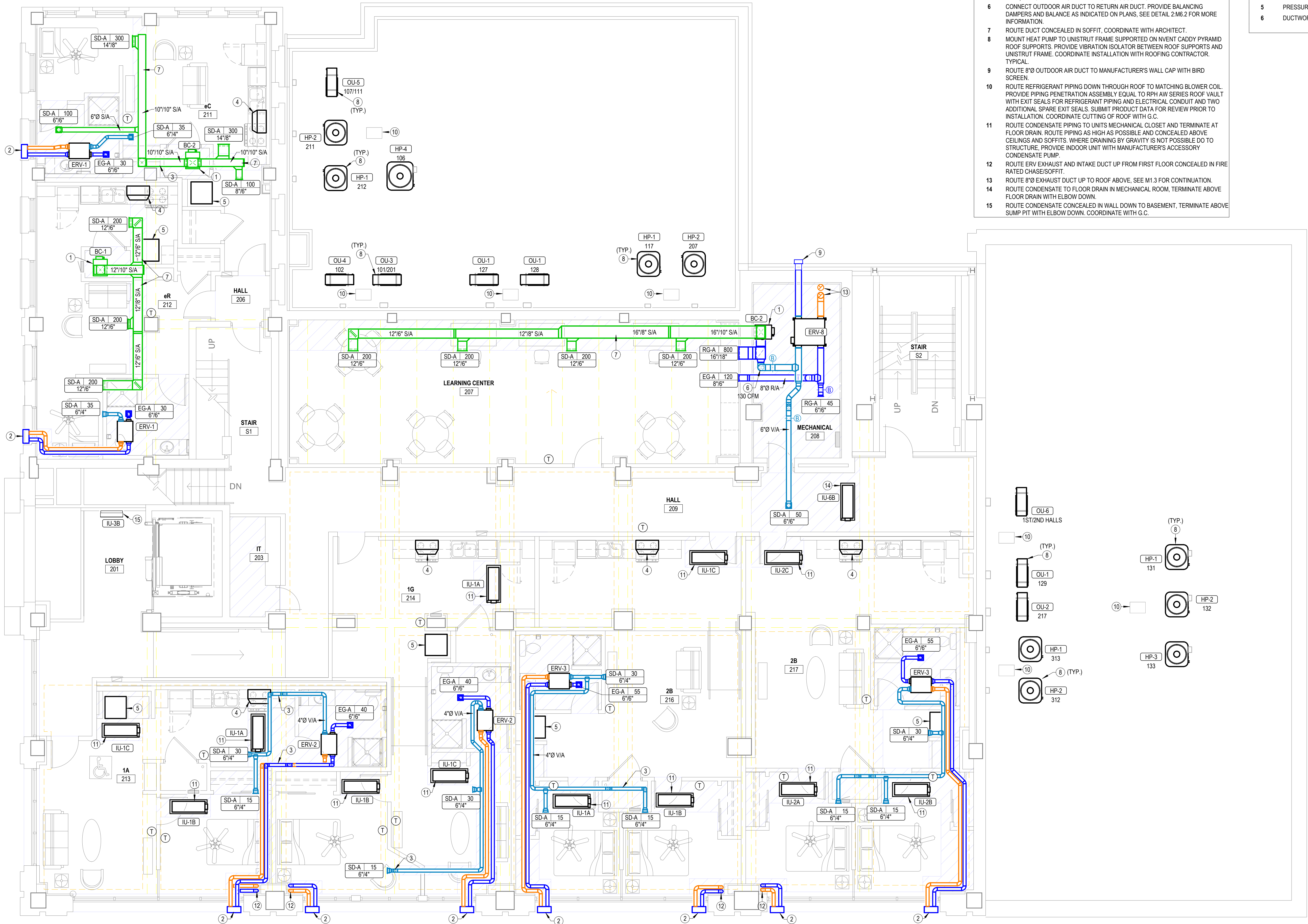
- 1 MOUNT ALL DUCT AS HIGH AS POSSIBLE BELOW STRUCTURE AND WHERE REQUIRED TO OFFSET, KEEP AS TIGHT AND HIGH AS POSSIBLE.
- 2 PROVIDE SHOP DRAWINGS SHOWING EXACT ROUTING OF REFRIGERANT PIPING FOR REVIEW BY ARCHITECT AND ENGINEER.
- 3 INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH ALL PROVISIONS OF ASHRAE 15 INCLUDING LATEST ADDENDA.
- 4 PROTECT PIPING PER ASHRAE 15 SECTION 9.12.
- 5 PRESSURE TEST PIPING PER ASHRAE 15 SECTION 9.13.
- 6 DUCTWORK CONSTRUCTION SHALL COMPLY WITH 2021 IECC.

GENERAL MECHANICAL NOTES

- 1 MOUNT ALL DUCT AS HIGH AS POSSIBLE BELOW STRUCTURE AND WHERE REQUIRED TO OFFSET, KEEP AS TIGHT AND HIGH AS POSSIBLE.
- 2 PROVIDE SHOP DRAWINGS SHOWING EXACT ROUTING OF REFRIGERANT PIPING FOR REVIEW BY ARCHITECT AND ENGINEER.
- 3 INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH ALL PROVISIONS OF ASHRAE 15 INCLUDING LASTEST ADDENDA.
- 4 PROTECT PIPING PER ASHRAE 15 SECTION 9.12.
- 5 PRESSURE TEST PIPING PER ASHRAE 15 SECTION 9.13.
- 6 DUCTWORK CONSTRUCTION SHALL COMPLY WITH 2021 IECC.

NOTES BY SYMBOL

- 1 ROUTE REFRIGERANT PIPING FROM BLOWER COIL TO CORRESPONDING HEAT PUMP UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE M1.2, M1.3 AND ME1.2 FOR HEAT PUMP LOCATIONS.
- 2 PROVIDE METAL TANDEM HOOD FOR ERV EXHAUST AND INTAKE EQUAL TO BROAN V14695, COORDINATE COLOR WITH ARCHITECT. ROUTE 4"Ø EXHAUST DUCTS FROM ERV AND TRANSITION TO CONNECTION AT WALL TERMINATION. COORDINATE EXACT LOCATION AND WALL OPENING REQUIREMENTS WITH ARCH. AND G.C.
- 3 OFFSET DUCTWORK BELOW BEAM, TYPICAL. COORDINATE SOFFIT AND CHASE REQUIREMENTS WITH ARCHITECT AND G.C.
- 4 RANGE HOOD PROVIDED BY OTHER.
- 5 CLOTHES DRYER TO BE LISTED AND LABELED VENTLESS, CONDENSING, DUCTLESS TYPE, AND SHALL BE INSTALLED PRIOR TO OCCUPANCY.
- 6 CONNECT OUTDOOR AIR DUCT TO RETURN AIR DUCT. PROVIDE BALANCING DAMPERS AND BALANCE AS INDICATED ON PLANS, SEE DETAIL 2.M6.2 FOR MORE INFORMATION.
- 7 ROUTE DUCT CONCEALED IN SOFFIT, COORDINATE WITH ARCHITECT.
- 8 MOUNT HEAT PUMP TO UNISTRUT FRAME SUPPORTED ON INVENT CADDY PYRAMID ROOF SUPPORTS. PROVIDE VIBRATION ISOLATOR BETWEEN ROOF SUPPORTS AND UNISTRUT FRAME. COORDINATE INSTALLATION WITH ROOFING CONTRACTOR. TYPICAL.
- 9 ROUTE 8"Ø OUTDOOR AIR DUCT TO MANUFACTURER'S WALL CAP WITH BIRD SCREEN.
- 10 ROUTE REFRIGERANT PIPING DOWN THROUGH ROOF TO MATCHING BLOWER COIL. PROVIDE PIPING PENETRATION ASSEMBLY EQUAL TO RPH AW SERIES ROOF VAULT WITH EXIT SEALS FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT AND TWO ADDITIONAL SPARE EXIT SEALS. SUBMIT PRODUCT DATA FOR REVIEW PRIOR TO INSTALLATION. COORDINATE CUTTING OF ROOF WITH G.C.
- 11 ROUTE CONDENSATE PIPING TO UNITS MECHANICAL CLOSET AND TERMINATE AT FLOOR DRAIN. ROUTE PIPING AS HIGH AS POSSIBLE AND CONCEALED ABOVE CEILINGS AND SOFFITS. WHERE DRAINING BY GRAVITY IS NOT POSSIBLE DO TO STRUCTURE, PROVIDE INDOOR UNIT WITH MANUFACTURER'S ACCESSORY CONDENSATE PUMP.
- 12 ROUTE ERV EXHAUST AND INTAKE DUCT UP FROM FIRST FLOOR CONCEALED IN FIRE RATED CHASE/SOFFIT.
- 13 ROUTE 8"Ø EXHAUST DUCT UP TO ROOF ABOVE, SEE M1.3 FOR CONTINUATION.
- 14 ROUTE CONDENSATE TO FLOOR DRAIN IN MECHANICAL ROOM, TERMINATE ABOVE FLOOR DRAIN WITH ELBOW DOWN.
- 15 ROUTE CONDENSATE CONCEALED IN WALL DOWN TO BASEMENT, TERMINATE ABOVE SUMP PIT WITH ELBOW DOWN. COORDINATE WITH G.C.



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

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

TEXAS

ABILENE,



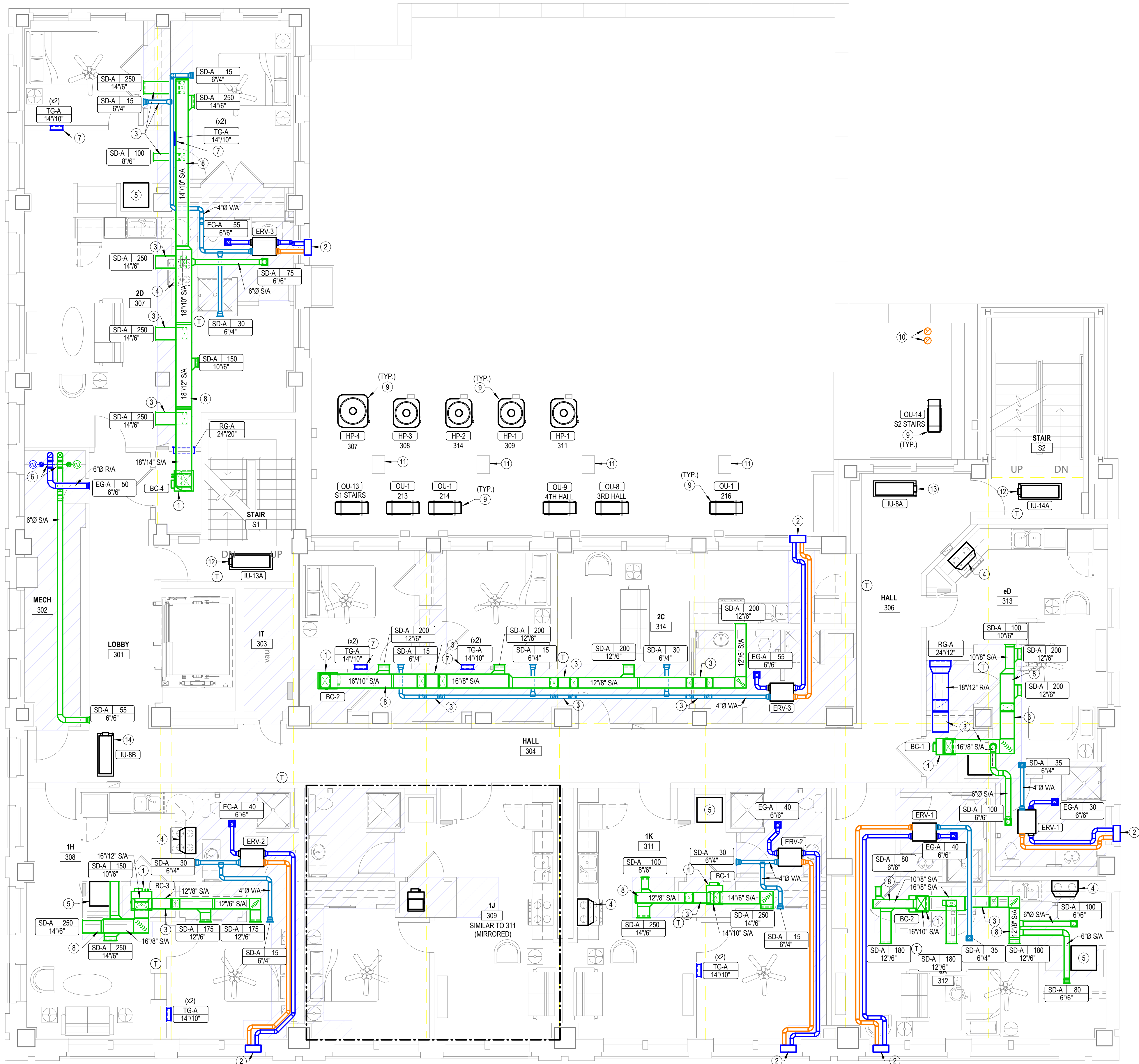
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1 HVAC FLOOR PLAN-THIRD FLOOR PLAN
3/16" = 1'-0"

GENERAL MECHANICAL NOTES

- 1 MOUNT ALL DUCT AS HIGH AS POSSIBLE BELOW STRUCTURE AND WHERE REQUIRED TO OFFSET, KEEP AS TIGHT AND HIGH AS POSSIBLE.
- 2 PROVIDE SHOP DRAWINGS SHOWING EXACT ROUTING OF REFRIGERANT PIPING FOR REVIEW BY ARCHITECT AND ENGINEER.
- 3 INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH ALL PROVISIONS OF ASHRAE 15 INCLUDING LATEST ADDENDA.
- 4 PROTECT PIPING PER ASHRAE 15 SECTION 9.12.
- 5 PRESSURE TEST PIPING PER ASHRAE 15 SECTION 9.13.
- 6 DUCTWORK CONSTRUCTION SHALL COMPLY WITH 2021 IECC.

NOTES BY SYMBOL

- 1 ROUTE REFRIGERANT PIPING FROM BLOWER COIL TO CORRESPONDING HEAT PUMP UNIT ON ROOF AND ROUTE PIPING CONCEALED IN WALLS AND ABOVE CEILINGS. SEE M1.2, M1.3 AND ME1.2 FOR HEAT PUMP LOCATIONS.
- 2 PROVIDE METAL TANDEM HOOD FOR ERV EXHAUST AND INTAKE EQUAL TO BROAN VM4695. COORDINATE COLOR WITH ARCHITECT. ROUTE 4"Ø EXHAUST DUCTS FROM ERV AND TRANSITION TO CONNECTION AT WALL TERMINATION. COORDINATE EXACT LOCATION AND WALL OPENING REQUIREMENTS WITH ARCH. AND G.C..
- 3 OFFSET DUCTWORK BELOW BEAM, TYPICAL. COORDINATE SOFFIT AND CHASE REQUIREMENTS WITH ARCHITECT AND G.C.
- 4 RANGE HOOD PROVIDED BY OTHER.
- 5 CLOTHES DRYER TO BE LISTED AND LABELED VENTLESS, CONDENSING, DUCTLESS TYPE, AND SHALL BE INSTALLED PRIOR TO OCCUPANCY.
- 6 PROVIDE COMBINATION FIRE AND SMOKE DAMPER WHERE OUTDOOR AIR DUCT PENETRATES SHAFT.
- 7 MOUNT TRANSFER GRILLE IN BEDROOM 6" BELOW CEILING AND MOUNT TRANSFER GRILLE ON OPPOSITE SIDE OF WALL 6" ABOVE FINISHED FLOOR, WHERE WALL SPACE IS NOT AVAILABLE, INSTALL ABOVE DOOR AND OFFSET AS MUCH AS POSSIBLE. LINE STUD CAVITY WITH SHEET METAL DUCTWORK.
- 8 ROUTE DUCT CONCEALED IN SOFFIT, COORDINATE WITH ARCHITECT.
- 9 MOUNT HEAT PUMP TO UNISTRUT FRAME SUPPORTED ON NVENT CADDY PYRAMID ROOF SUPPORTS. PROVIDE VIBRATION ISOLATOR BETWEEN ROOF SUPPORTS AND UNISTRUT FRAME. COORDINATE INSTALLATION WITH ROOFING CONTRACTOR. TYPICAL.
- 10 PROVIDE ROOF CURB LARGE ENOUGH TO ACCOMMODATE ERV EXHAUST DUCTWORK. PROVIDE MANUFACTURER'S WALL CAP OUT SIDE OF CURB FOR EACH DUCT. PROVIDE WITH BIRD SCREEN AND BACKDRAFT DAMPER.
- 11 ROUTE REFRIGERANT PIPING DOWN THROUGH ROOF TO MATCHING BLOWER COIL. PROVIDE PIPING PENETRATION ASSEMBLY EQUAL TO RPH AW SERIES ROOF VAULT WITH EXIT SEALS FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT AND TWO ADDITIONAL SPARE EXIT SEALS. SUBMIT PRODUCT DATA FOR REVIEW PRIOR TO INSTALLATION. COORDINATE CUTTING OF ROOF WITH G.C.
- 12 COMBINE CONDENSATE FROM STAIRWELL INDOOR UNITS AND PENETRATE EXTERIOR WALL AT 18" ABOVE ROOF AND TERMINATE WITH ELBOW DOWN. FIELD COORDINATE EXACT ROUTING WITH EXISTING CONDITIONS AND G.C.
- 13 COMBINE CONDENSATE WITH INDOOR UNITS STACKED AT THIS LOCATION ON FLOORS THREE THROUGH SEVEN AND PENETRATE EXTERIOR WALL AT 18" ABOVE ROOF AND TERMINATE WITH ELBOW DOWN. FIELD COORDINATE EXACT ROUTING WITH EXISTING CONDITION AND G.C.
- 14 PROVIDE INDOOR UNIT WITH MANUFACTURER'S ACCESSORY CONDENSATE PUMP. ROUTE CONDENSATE PIPING AROUND STRUCTURE TO MECHANICAL CLOSET IN APARTMENT CLOSET TO INDOOR UNIT AND TERMINATE AT FLOOR DRAIN.

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HISTORIC REHABILITATION - APARTMENTS

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TEXAS



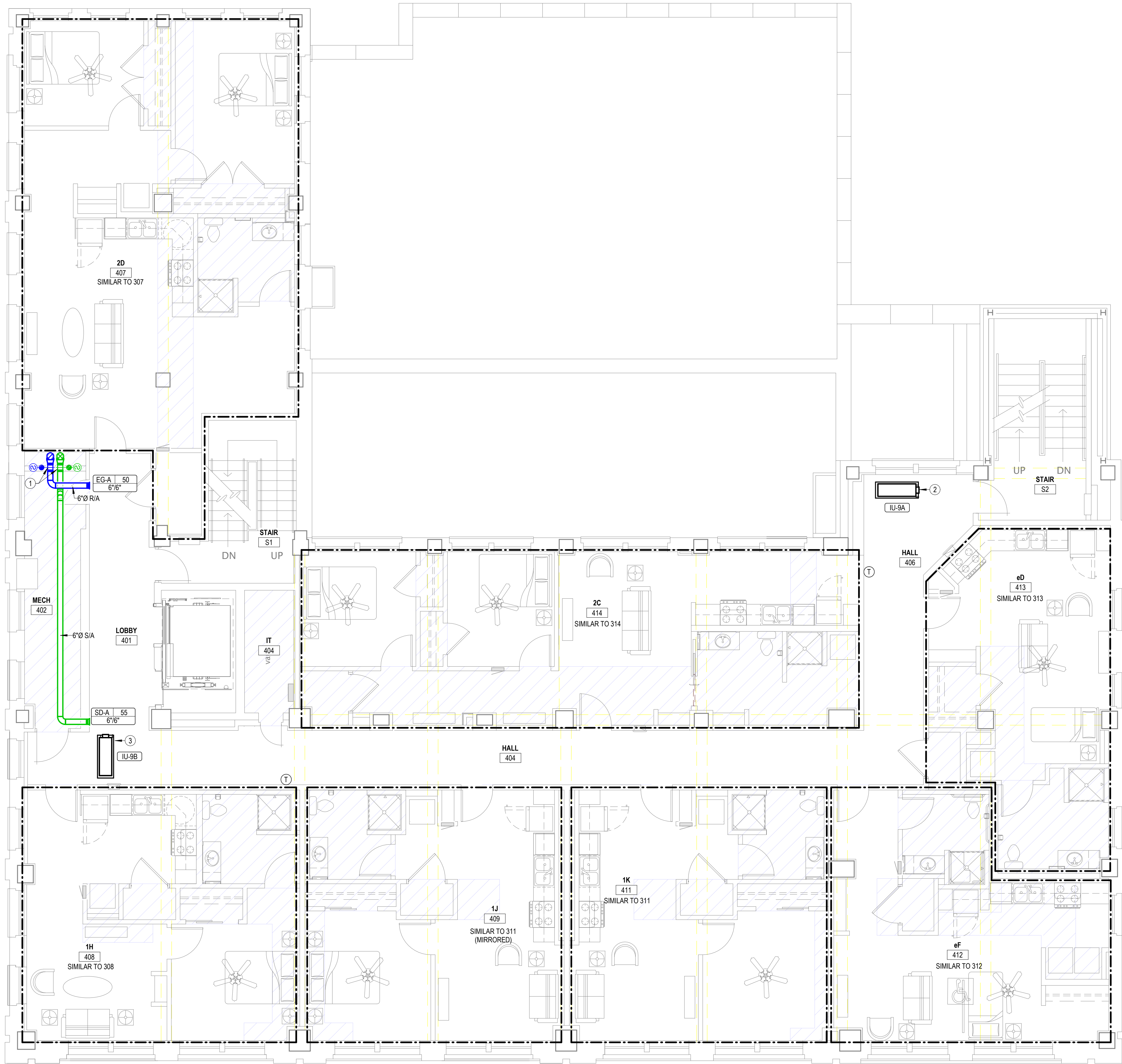
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1 HVAC FLOOR PLAN-FOURTH FLOOR PLAN
3/16" = 1'-0"

GENERAL MECHANICAL NOTES

- 1 MOUNT ALL DUCT AS HIGH AS POSSIBLE BELOW STRUCTURE AND WHERE REQUIRED TO OFFSET, KEEP AS TIGHT AND HIGH AS POSSIBLE.
- 2 PROVIDE SHOP DRAWINGS SHOWING EXACT ROUTING OF REFRIGERANT PIPING FOR REVIEW BY ARCHITECT AND ENGINEER.
- 3 INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH ALL PROVISIONS OF ASHRAE 15 INCLUDING LATEST ADDENDA.
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- 5 PRESSURE TEST PIPING PER ASHRAE 15 SECTION 9.13.
- 6 DUCTWORK CONSTRUCTION SHALL COMPLY WITH 2021 IECC.

NOTES BY SYMBOL

- 1 PROVIDE COMBINATION FIRE AND SMOKE DAMPER WHERE OUTDOOR AIR DUCT PENETRATES SHAFT.
- 2 COMBINE CONDENSATE WITH INDOOR UNITS STACKED AT THIS LOCATION ON FLOORS THREE THROUGH SEVEN AND PENETRATE EXTERIOR WALL AT 18" ABOVE ROOF AND TERMINATE WITH ELBOW DOWN. FIELD COORDINATE EXACT ROUTING WITH EXISTING CONDITION AND G.C.
- 3 PROVIDE INDOOR UNIT WITH MANUFACTURER'S ACCESSORY CONDENSATE PUMP. ROUTE CONDENSATE PIPING AROUND STRUCTURE TO MECHANICAL CLOSET IN APARTMENT CLOSET TO INDOOR UNIT AND TERMINATE AT FLOOR DRAIN.

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HISTORIC REHABILITATION - APARTMENTS

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NOTES BY SYMBOL

ATION NOT SHOWN OR ANNOTATED ON THIS PLAN SIMILAR TO

ST AND INTAKE DUCT CONCEALED IN WALL UP TO ROOF, SEE

ITION FIRE AND SMOKE DAMPER WHERE OUTDOOR AIR DUCT

T.

ATE WITH INDOOR UNITS STACKED AT THIS LOCATION ON

ROUGH SEVEN AND PENETRATE EXTERIOR WALL AT 18" ABOVE

WITH ELBOW DOWN. FIELD COORDINATE EXACT ROUTING

NDITION AND G.C.

UNIT WITH MANUFACTURER'S ACCESSORY CONDENSATE PUMP.

ET PIPING AROUND STRUCTURE TO MECHANICAL CLOSET IN

ET TO INDOOR UNIT AND TERMINATE AT FLOOR DRAIN.

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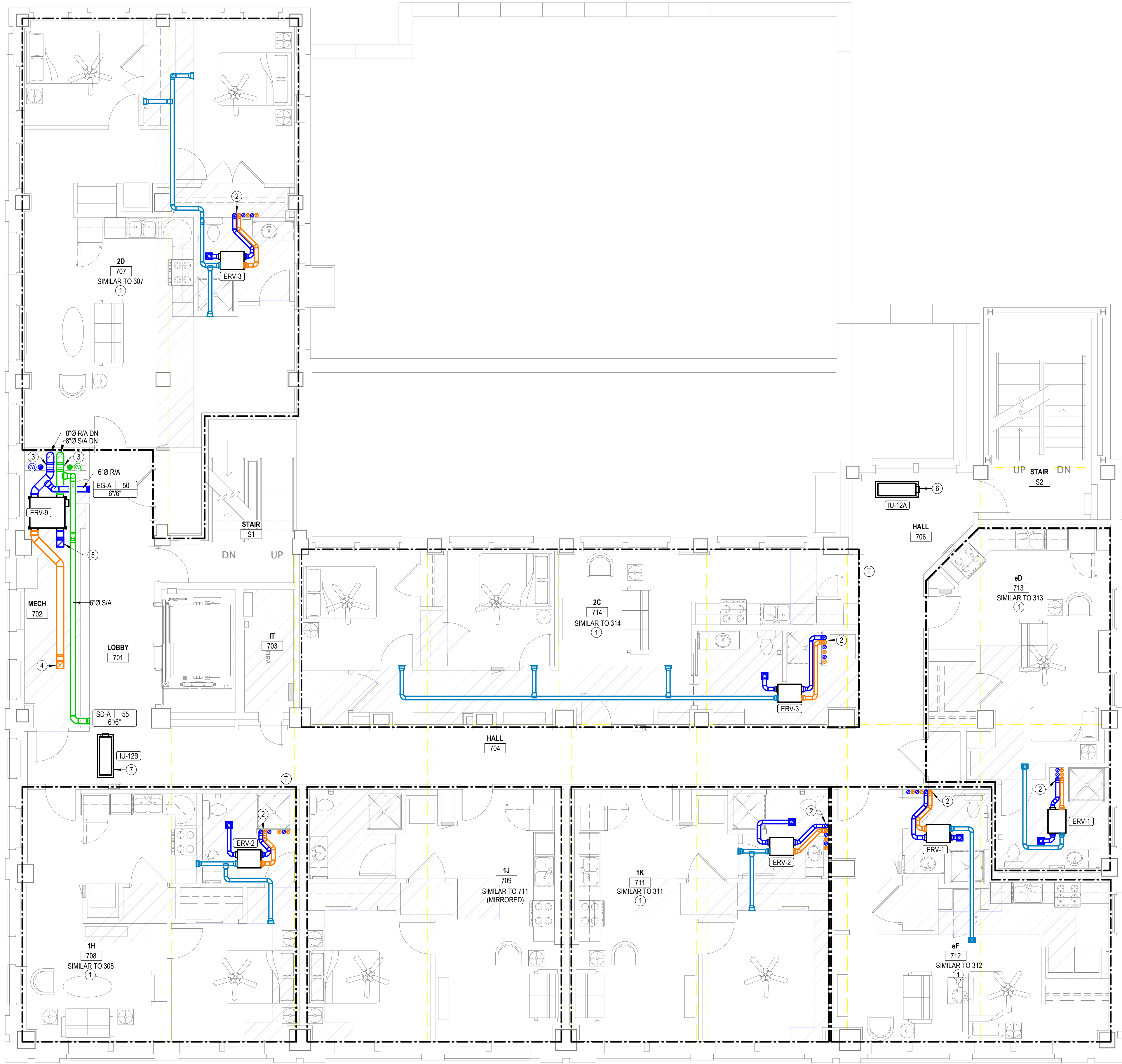
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1 HVAC FLOOR PLAN-SIXTH FLOOR PLAN
3/16" = 1'-0"



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

MINI-SPLIT HEAT PUMP INDOOR UNIT SCHEDULE

NOTES:
1. INDOOR UNITS ARE POWERED FROM OUTDOOR UNIT. PROVIDE ALL REQUIRED INTERCONNECTED CABLING PER MANUFACTURER'S INSTRUCTIONS.
2. WHERE POSSIBLE, CONCEAL REFRIGERANT PIPING, CONDENSATE PIPING AND ELECTRICAL IN WALLS AND ABOVE CEILING. WHEN NOT POSSIBLE, UTILIZE LNE-HIDE KIT TO CONCEAL REFRIGERANT PIPING AND CONDENSATE PIPING.
3. PROVIDE UNIT WITH MANUFACTURER'S ACCESSORY CONDENSATE PUMP WHERE DRAINING BY GRAVITY IS NOT POSSIBLE. SEE PLANS FOR MORE INFORMATION.

Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Capacity (BTU/h)	Voltage / Phase	Electrical MCA/MFS	Notes
IU-1A	MLZ-KX09NL	Ceiling Cassette (One-Way)	8,520	8,580	6,356.7	5,802.6	7,247.0	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-1B	MLZ-KX09NL	Ceiling Cassette (One-Way)	8,520	8,580	6,356.7	5,802.6	7,247.0	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-1C	MLZ-KX12NL	Ceiling Cassette (One-Way)	11,360	11,440	8,475.6	6,879.3	9,662.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-2A	MLZ-KX09NL	Ceiling Cassette (One-Way)	7,100	7,150	5,297.3	5,297.3	6,039.1	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-2B	MLZ-KX09NL	Ceiling Cassette (One-Way)	7,100	7,150	5,297.3	5,297.3	6,039.1	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-2C	MLZ-KX18NL	Ceiling Cassette (One-Way)	14,200	14,300	10,594.5	8,837.9	12,078.3	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-3A	MFZ-KX18NL	Floor-Standing Type (Exposed)	14,400	14,400	10,743.7	9,212.9	12,162.7	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-3B	MFZ-KX12NL	Floor-Standing Type (Exposed)	9,600	9,600	7,162.5	7,162.5	8,108.5	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-4A	MFZ-KX12NL	Floor-Standing Type (Exposed)	10,900	12,000	8,132.4	7,922.7	10,135.4	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-4B	MFZ-KX12NL	Floor-Standing Type (Exposed)	10,900	12,000	8,132.4	7,922.7	10,135.4	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-5A	MFZ-KX12NL	Floor-Standing Type (Exposed)	12,000	14,670	8,953.1	8,246.7	12,390.9	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-5B	MLZ-KX06NL	Ceiling Cassette (One-Way)	6,000	7,330	4,476.6	4,047.6	6,191.2	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-6A	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-6B	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-8A	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-8B	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	9,214.9	8,279.8	10,264.3	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-9A	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-9B	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	9,214.9	8,279.8	10,264.3	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-10A	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-10B	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	9,214.9	8,279.8	10,264.3	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-11A	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-11B	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	9,214.9	8,279.8	10,264.3	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-12A	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-12B	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	9,214.9	8,279.8	10,264.3	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-13A	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-13B	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	9,214.9	8,279.8	10,264.3	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-14A	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	8,953.1	8,175.2	10,135.6	208/230V/1-phase	Powered by Outdoor	1,2,3
IU-14B	MLZ-KX18NL	Ceiling Cassette (One-Way)	12,000	12,000	9,214.9	8,279.8	10,264.3	208/230V/1-phase	Powered by Outdoor	1,2,3

MINI-SPLIT HEAT PUMP OUTDOOR UNIT SCHEDULE

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

Tag Reference	Model Number	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	EER2 [SEER2]	Heating COP @ 47°F [HSPF]	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Electrical-Per Module		
											208V	
											Voltage / Phase	MCA
												RFS
OU-1	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	21,189.0	24,156.6	208/230V / 1-phase	38	35
OU-2	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	21,189.0	24,156.6	208/230V / 1-phase	38	35
OU-3	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	17,906.2	20,271.2	208/230V / 1-phase	38	35
OU-4	MXZ-3D24NLHZ	22,000	25,000	13 [20]	3.5 [10]	101.0	15.0	16,264.8	20,270.9	208/230V / 1-phase	29	25
OU-5	MXZ-2D20NLHZ	18,000	22,000	13.5 [19.3]	4 [10]	101.0	15.0	13,429.7	18,562.1	208/230V / 1-phase	22	20
OU-6	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	17,906.2	20,271.2	208/230V / 1-phase	38	35
OU-8	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	18,168.0	20,400.0	208/230V / 1-phase	38	35
OU-9	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	18,168.0	20,400.0	208/230V / 1-phase	38	35
OU-10	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	18,168.0	20,400.0	208/230V / 1-phase	38	35
OU-11	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	18,168.0	20,400.0	208/230V / 1-phase	38	35
OU-12	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	18,168.0	20,400.0	208/230V / 1-phase	38	35
OU-13	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	18,168.0	20,400.0	208/230V / 1-phase	38	35
OU-14	MXZ-3D30NLHZ	28,400	28,600	11.5 [20]	3.5 [10]	101.0	15.0	18,168.0	20,400.0	208/230V / 1-phase	38	35

EXHAUST FAN SCHEDULE

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

Mark	Manufacturer	Model	CFM	ESP	Power	Electrical		Notes
EF-1	PANASONIC	FV-0511VQ1	50 CFM	0.25 in-wg	22 W	Voltage	Phase	

GRILLES, REGISTERS, & DIFFUSERS SCHEDULE

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

MARK	MANUFACTURER	MODEL	APPLICATION				MOUNTING	DAMPER	DESCRIPTION	NOTES
			SUPPLY	RETURN	EXHAUST	TRANSFER				
EG-A	TITUS	350RL			■		Surface Mount	No	STEEL LOUVERED EXHAUST GRILLE. SIZE AS INDICATED ON DRAWINGS.	
RG-A	TITUS	350RL		■			Surface Mount	No	STEEL LOUVERED RETURN GRILLE. SIZE AS INDICATED ON DRAWINGS.	
SD-A	TITUS	300R	■				Surface Mount	<varies>	STEEL DOUBLE DEFLECTION SUPPLY GRILLE WITH FRONT BLADES PARALLEL TO LONG DIMENSION, SIZE AS INDICATED ON DRAWINGS.	
TG-A	TITUS	350RL				■	Surface Mount	No	STEEL LOUVERED TRANSFER GRILLE. SIZE AS INDICATED ON DRAWINGS.	

BLOWER COIL SCHEDULE

NOTES:

1. Single point connection required, coordinate the exact electrical requirements of equipment provided with E.C.

2. Electric heater shall not operate simultaneously with heat pump. Electric heater shall be used as back-up heat only.

3. Provide 7-day programmable thermostat compatible with requirements of 2021 IECC.

4. Provide 2 sets of MERV-8 filters.

MARK	MANUFACTURER	MODEL	FAN		ELECTRIC HEAT		ELECTRICAL						
			AIRFLOW	ESP	CIRCUIT	CIRCUIT 2	VOLTAGE	PHASE	MCA	MCA 2	MOCP	MOCP 2	
BC-1	TRANE	STEM4B02AC21	600 CFM	0.50 in-wg	5.8 kW		208 V	1	39.0 A		40.0 A		
BC-2	TRANE	STEM4B03AC31	800 CFM	0.50 in-wg	5.8 kW		208 V	1	39.0 A		40.0 A		
BC-3	TRANE	STEM4D04AC31	1,000 CFM	0.50 in-wg	7.2 kW		208 V	1	48.0 A		50.0 A		
BC-4	TRANE	STEM4D07AC51	1,575 CFM	0.50 in-wg	7.2 kW	3.6 kW	208 V	1	52.0 A	22.0 A	60.0 A	25.0 A	

HEAT PUMP SCHEDULE

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

MARK	MANUFACTURER	MODEL	NOMINAL CAPACITY	EDB	EDB	EWB	COOLING		SEER2	HEATING		ELECTRICAL			
							NET SENSIBLE	NET TOTAL		OA EDB	EDB	NET TOTAL	HSPF2	PHASE	MCA
HP-1	TRANE	5TWR4018	1.5 ton	102 °F	76 °F	64 °F	12,052 Btu/h	16,701 Btu/h	14.3	47 °F	70 °F	18,300 Btu/h	7.5	1	12.0 A
HP-2	TRANE	5TWR4024	2.0 ton	102 °F	76 °F	64 °F	15,159 Btu/h	20,687 Btu/h	14.3	47 °F	70 °F	22,400 Btu/h	7.5	1	13.0 A
HP-3	TRANE	5TWR4030	2.5 ton	102 °F	76 °F	64 °F	18,201 Btu/h	24,368 Btu/h	14.3	47 °F	70 °F	25,600 Btu/h	7.5	1	16.0 A
HP-4	TRANE	5TWR4048	4.0 ton	102 °F	76 °F	64 °F	30,599 Btu/h	40,636 Btu/h	14.3	47 °F	70 °F	42,500 Btu/h	7.5	1	25.0 A

ENERGY RECOVERY VENTILATOR SCHEDULE

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

MARK	MANUFACTURER	MODEL	SUPPLY AIRFLOW	SUPPLY ESP	EXHAUST AIRFLOW	EXHAUST ESP	VOLTAGE	PHASE	MCA	MOCP
ERV-1	BROAN	BLP150E7SNS-HWF	35 CFM	0.25 in-wg	30 CFM	0.25 in-wg	120 V	1	2.4 A	15.0 A
ERV-2	BROAN	BLP150E7SNS-HWF	45 CFM	0.25 in-wg	40 CFM	0.25 in-wg	120 V	1	2.4 A	15.0 A
ERV-3	BROAN	BLP150E7SNS-HWF	60 CFM	0.25 in-wg	55 CFM	0.25 in-wg	120 V	1	2.4 A	15.0 A
ERV-4	BROAN	BLP150E7SNS-HWF	90 CFM	0.25 in-wg	80 CFM	0.25 in-wg	120 V	1	2.4 A	15.0 A
ERV-5	Panasonic	FV-06VE1	30 CFM	0.10 in-wg	30 CFM	0.10 in-wg	120 V	1	0.3 A	15.0 A
ERV-6	Panasonic	FV-06VE1	50 CFM	0.10 in-wg	50 CFM	0.10 in-wg	120 V	1	0.3 A	15.0 A
ERV-7	MITSUBISHI	TLGHF0300RVX02A	195 CFM	0.25 in-wg	175 CFM	0.25 in-wg	208 V	1	4.3 A	15.0 A
ERV-8	MITSUBISHI	TLGHF0300RVX02A	180 CFM	0.25 in-wg	165 CFM	0.25 in-wg	208 V	1	4.3 A	15.0 A
ERV-9	MITSUBISHI	TLGHF0300RVX02A	275 CFM	0.25 in-wg	250 CFM	0.25 in-wg	208 V	1	4.3 A	15.0 A

ELECTRIC CABINET HEATER SCHEDULE

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

Mark	Manufacturer	Model	Watts	Voltage	Phase	Description	Notes
EUH-1	TRANE	UHEC	5.0 kW	208 V	3	FAN FORCED UNIT HEATER	4.5,6
EUH-2	TRANE	UHEC	5.0 kW	208 V	3	FAN FORCED UNIT HEATER	4.5,6
EWH-1	TRANE	UHWA	1.5 kW	208 V	1	ARCHITECTURAL FAN FORCED WALL HEATER	1,2,3
EWH-2	TRANE	UHWA	1.5 kW	208 V	1	ARCHITECTURAL FAN FORCED WALL HEATER	1,2,3
EWH-3	TRANE	UHWA	1.5 kW	208 V	1	ARCHITECTURAL FAN FORCED WALL HEATER	1,2,3

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LANDMARK ON CYPRESS
HISTORIC REHABILITATION - APARTMENTS
ABILENE, TEXAS

REVISIONS:

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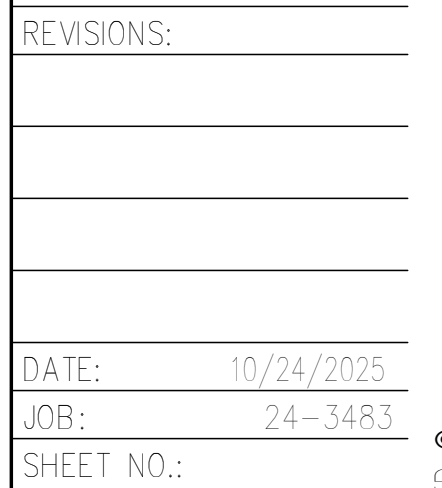
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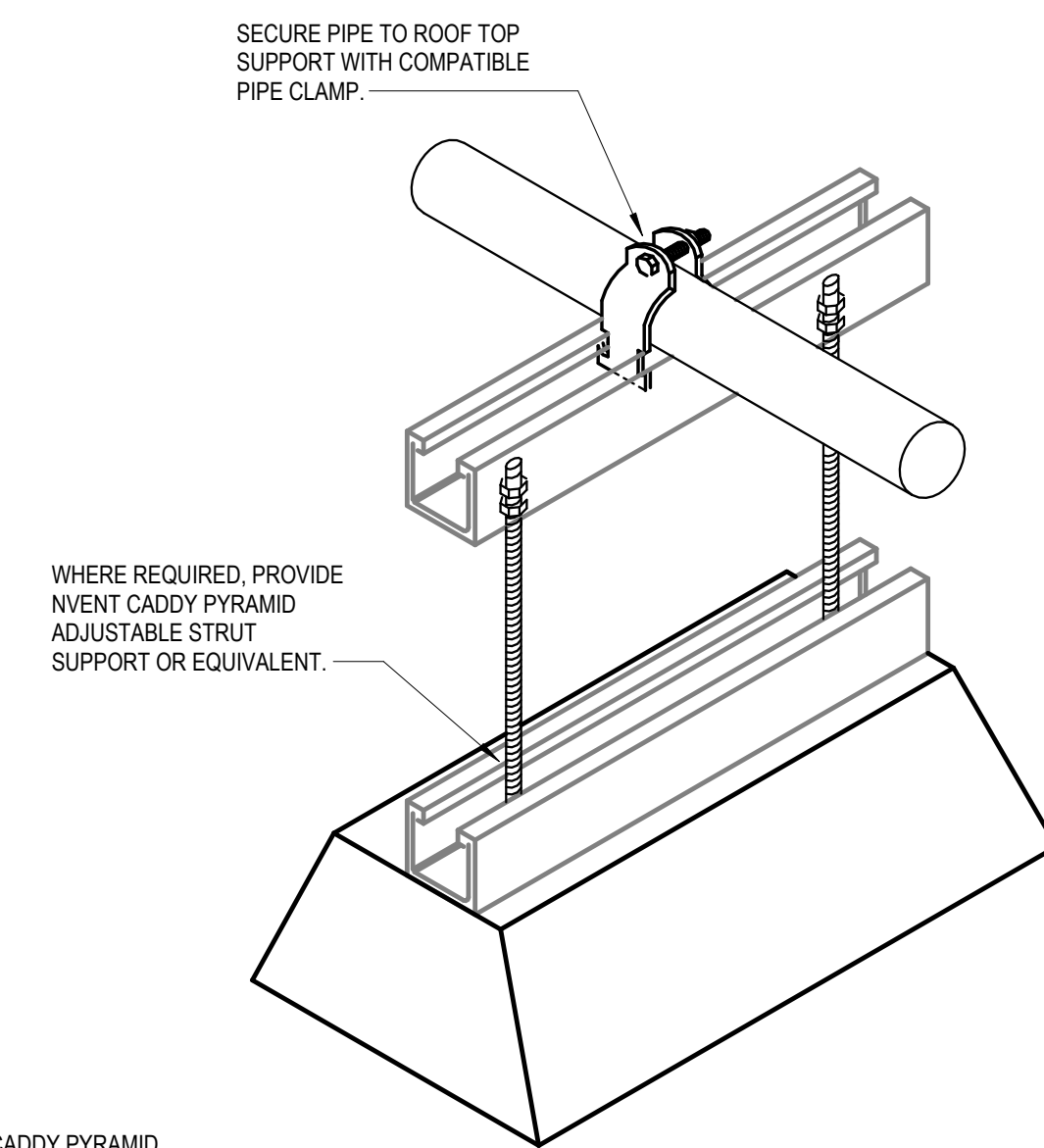


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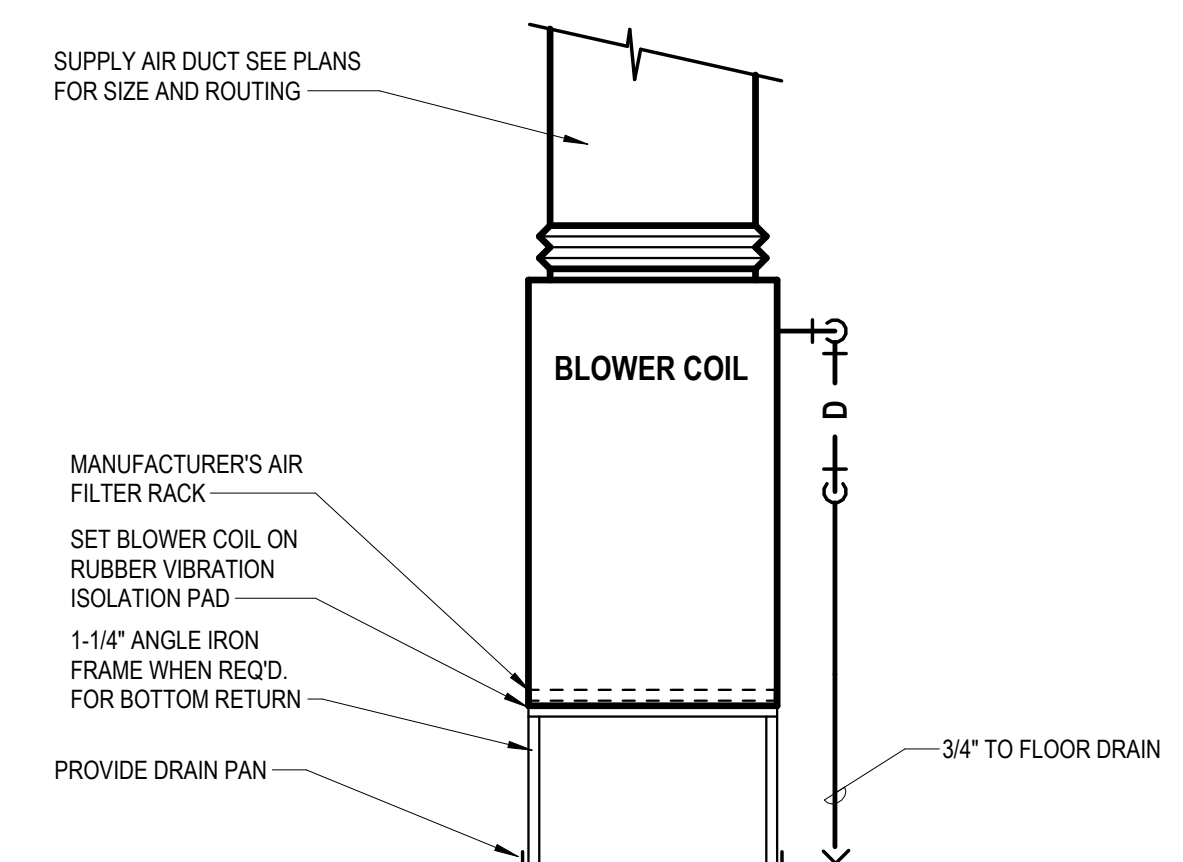
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4 EXTERIOR PIPING SUPPORT DETAIL



1 APARTMENT BLOWER COIL DETAIL



10/24/2025

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GENERAL PLUMBING NOTES

- GENERAL PLUMBING NOTES**
- A. FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPOSED OPERATING SYSTEMS.
 - B. PITCH UNDERFLOOR SANITARY WASTE PIPING OVER 2" AT 18" PER FOOT, 2" AND SMALLER AT 1/4" PER FOOT.
 - C. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
 - D. ROUTE DOMESTIC WATER, AND SANITARY SEWER SERVICES TO UTILITIES 2'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
 - E. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 2" MINIMUM.
 - F. LOCATIONS OF PIPING AND EQUIPMENT AS INDICATED ON THE DRAWINGS ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
 - G. FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF THE INTERNATIONAL MECHANICAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL (OR UNIFORM, DEPENDING ON JURISDICTION) PLUMBING CODE AND INTERNATIONAL MECHANICAL CODE.
 - H. LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MINIMUM ABOVE CEILING.
 - 1. 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. STOPS SHALL BE U.L. LISTED. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED ASSEMBLIES.
 - K. PROVIDE SLEEVES AND/or OPENINGS TO RUN PIPES THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
 - L. PROVIDE CLEAR ACCESS TO ALL PIPING, VALVES, SIGHTED 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 SIZED EQUIPMENT.
 - N. PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
 - O. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS, AT ALL TIMES OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
 - P. INSTALL EXPOSED PIPING AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
 - Q. PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MATERIALS, EQUIPMENT AND MATERIALS. SUBSTITUTE EQUIPMENT AND MATERIALS INSTALLED WITHOUT PRIOR APPROVAL SHALL BE SUBJECT TO REPLACEMENT AT CONTRACTORS EXPENSE.
 - R. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.
 - S. PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER 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, MAIN PIPING SHALL BE REMOVED BACK TO MAIN AND CAPPED, UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL DISPOSE OF PIPING OR DELIVER TO OWNER, AS DIRECTED BY OWNER.
- B. WHERE PIPING TAKEN OUT OF SERVICE IS LOCATED BELOW SLAB AND IS UNABLE TO BE REMOVED, CAP BELOW SLAB. REMOVE CUTTING PATIOLING OF EXISTING WALLS, CEILINGS, ROOF AND FLOORS AFFECTED BY MECHANICAL DEMOLITION WITH G.C.
- D. ALL EQUIPMENT TAKEN OUT OF SERVICE SHALL BE REMOVED. EQUIPMENT SHALL BE DELIVERED TO OWNER OR DISPOSED OF AS DIRECTED BY OWNER.
- E. REMOVE ALL PLUMBING INSTALLATION FROM PROJECT AREA, UNLESS REQUIRED FOR NEW WORK OR EXISTING INSTALLATION NOT AFFECTED BY REMODEL. COORDINATE WITH OWNER AND G.C.
- F. SERVICES TO ITEMS NOT REMOVED AS PART OF THIS WORK SHALL BE RESTORED OR COMPLETION OF THIS WORK TO RESTORE ORIGINAL CONDITION.
- G. NOT ALL ITEMS REQUIRED TO BE DEMOLISHED MAY BE INDICATED ON DRAWINGS. ALL DEMOLITION OF AFFECTED SPACE SHALL BE PERFORMED AS IF INDICATED.
- H. FIELD VERIFY EXACT LOCATION OF ALL EXISTING PLUMBING INSTALLATION INDICATED ON DRAWINGS.
- I. ALL ITEMS TO BE RE-USE OR RELOCATED SHALL BE CLEANED, REPAIRED, AND RESTORED TO LIKE NEW CONDITION PRIOR TO RE-USE.

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

ABILENE,



REVISIONS

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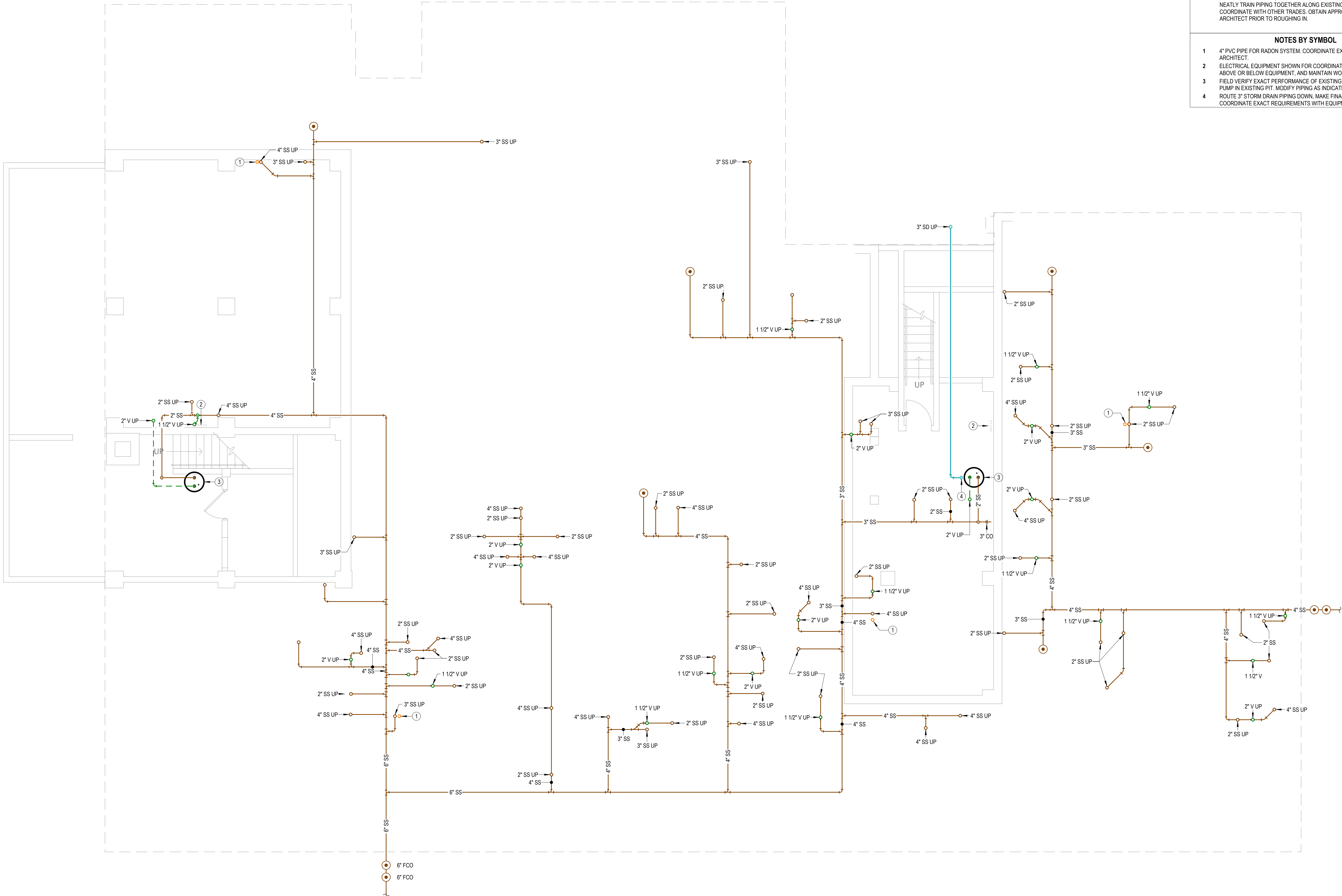
General Plan Symbols	
	Plan Revision Number
	Detail Number on Sheet
	Sheet Number Where Detail is Placed
	Keynote Symbol
	Continuation Symbol
	Point Where New Connects To Existing
	Room Name / Number
	Area Being Demolished
	Area Not In Contract
	Electrical Equipment.
	Do not route HVAC installation above or below equipment. Maintain working clearance as indicated by dashed line.
Abbreviations	
Ø ROUND ABV ABOVE ACR AIR CONDITIONING AD AREA DRAIN ADD ADDENDUM AFF ABOVE FINISHED FLOOR AFUE ANNUAL FUEL UTILIZATION EFFICIENCY ALT ALTERNATE AP ACCESS PANEL ARCH ARCHITECT/ARCHITECTURAL BFF BELOW FINISHED FLOOR BLW BELOW BTU BRITISH THERMAL UNITS BTUH BRITISH THERMAL UNITS PER HOUR CAP CAPACITY CB CATCH BASIN CFM CUBIC FEET PER MINUTE CLG CEILING CO CLEAN OUT CW COLD WATER D DEGREE DB DRY BULB DIA DIAMETER DN DOWN DW DISTILLED WATER EA EACH EAT ENTERING AIR TEMPERATURE ELEC ELECTRICAL EQUIP EQUIPMENT EWIC ELECTRIC WATER COOLER EWT ENTERING WATER TEMPERATURE E/A EXHAUST AIR EXIST EXISTING F DEGREES FAHRENHEIT FCO FLOOR CLEAN OUT FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FL FLOOR FO FUEL OIL FOV FUEL OIL VENT FTR FLOOR RETURN FOS FUEL OIL SUPPLY FPM FEET PER MINUTE FS FLOOR SINK FT FOOT/FEET FTR FIN TUBE RADIATION GAL GALLON GF GAS-FIRED GC GENERAL CONTRACTOR GPM GALLONS PER MINUTE GW GREASE WASTE HB HOSE BIB HP HORSE POWER HT HEATING HTR HEATER HW HOT WATER HYD HYDRANT ID INDIRECT IN INCH INV INVERT LB POUND LBHR POUNDS PER HOUR LAT LEAVING AIR TEMPERATURE LP LOW PRESSURE LPG LIQUEFIED PETROLEUM GAS	LVR LOUVER LWT LEAVING WATER TEMPERATURE M/A MIXED AIR MAX MAXIMUM MBH ONE THOUSAND BTU PER HOUR MCF ONE THOUSAND CUBIC FEET MD MOTORIZED DAMPER MECH MECHANICAL MFR MANUFACTURER MIN MINIMUM MSC MISCELLANEOUS MTR MOTOR MUA MAKE-UP/AIR NC NOISE CRITERIA NO NORMALLY CLOSED NIC NOT IN CONTRACT NR NUMBER NO NORMALLY OPEN NTS NOT TO SCALE O OXYGEN ORD OVERFLOW ROOF DRAIN PD PRESSURE DROP PIV POST INDICATOR VALVE PLBG PLUMBING PRESS PRESSURE PRV PRESSURE REDUCING VALVE PSI POUNDS PER SQUARE INCH PSIG POUNDS PER SQUARE INCH GAUGE PWR POWER R DUCT RISER RA RETURN AIR RCP RADIANT CEILING PANEL RD ROOF DRAIN REC RECESSED RED REDUCER RH RELATIVE HUMIDITY RLA RELIEF AIR RM ROOM RPM REVOLUTIONS PER MINUTE RW RAIN WATER SF SQUARE FOOT S/A SUPPLY AIR SAN SANITARY SF SQUARE FOOT SD SMOKE DAMPER SM SURFACE MOUNT SP STANDPIPE SP STATIC PRESSURE STM STEAM T THERMOSTAT TD TEMPERATURE DROP TDR TRENCH DRAIN TEMP TEMPERATURE TYP TYPICAL UG UNDERGROUND VAC VACUUM V VENT VAV VARIABLE AIR VOLUME VENT VENTILATION VT VENT THROUGH ROOF WASTE WASTE WB WET BULB WCO WALL CLEAN OUT WH WALL HYDRANT
Equipment Abbreviations	
AC AIR CONDITIONING UNIT ACCU AIR-COOLING CONDENSING UNIT AHU AIR HANDLING UNIT AS AIR SEPARATOR B BOILER CH CHILLER CT COOLING TOWER CAB CABINET UNIT HEATER CHWP CHILLED WATER PUMP DMP DOMESTIC WATER BOOSTER PUMP DC DUCT MOUNTED COIL DCP DOMESTIC WATER CIRCULATING PUMP EF EXHAUST FAN EDC ELECTRIC DUCT COIL	EH EXPANSION TANK EWH ELECTRIC WATER HEATER FCU FAN COIL UNIT FP FIRE PUMP GI GREASE INTERCEPTOR GRV GRAVITY ROOF VENTILATOR HWP HEATING WATER PUMP HRU HEAT RECOVERY UNIT PRV POWER ROOF VENTILATOR RE RETURN/EXHAUST FAN RTU ROOFTOP UNIT SP SUMP PUMP UH UNIT HEATER WH WATER HEATER
Plumbing Symbols	
	2" Nominal Pipe Size
	Above Ground Piping
	Below Ground Piping
	Pipe Slope (When Applicable)
	Existing Pipe To Remain
	Pipe To Be Demolished
	CW Domestic Cold-Water
	NPW Non-Potable Water
	S-CW Soft Cold-Water
	F-CW Filtered Cold-Water
	RO Reverse Osmosis Water
	HW Domestic Hot-Water
	HW 140° Domestic Hot-Water 140°
	HW-R Hot-Water Recirculation
	HW-R 140° Hot-Water Recirculation 140°
	SS Sanitary Drain
	V Sanitary Vent
	RD Radon Mitigation
	WW Sanitary Wet Vent
	CWW Combination DWV
	CD Condensate Drain
	ID Indirect Drain
	GW Grease Waste
	GV Grease Vent
	PD Pump Discharge
	SD Storm Drain
	OSD Storm Overflow
	CA Compressed Air
	G Natural Gas
	LP Liquid Propane
	Pipe Rise / Drop
Pipe Accessory Notes	
	4" FCO Cleanout
	2" CHECK Check Valve
	2" BALANCE Balancing Valve
	2" CIRCU Circuit Setter
	2" GATE Gate Valve
	2" S/O Ball Valve
	2" STRAIN Fluid Strainer
	1" GAS-CNTRL Emergency Gas Shutoff
	1" PLUG Plug Valve
	1" GAS COCK Gas Shutoff Cock
	1" REG Gas Regulator
	1" TV Thermostatic Valve
	TMV-X/T/P Mixing Valve
	TMV-E Emergency Mixer
	2" PRV Pressure Reducing Valve
	2" METER Water Meter
	Double Check Valve
	Reduced Pressure Zone
Plumbing Fixture Notes	
	Floor Drain
	2" FD Design Size
	2" FD Identity Type
	2" FD Drainage Fixture Units
	2" FD Floor Drain w/ Deep Seal Trap
	2" FDP Floor Drain w/ Trap Primer
	" Indicates Primer Connection
	2" FD Floor Drain w/ Integral Cleanout
	3" AD-1 Area Drain (No Trap)
	6" DD-1 Deck Drain
	5" HD-1 Hub Drain (Funnel Type)
	3" FS Floor Sink
	8" SD-12 Roof Drain
	6" SD-1 Combination Drain
	2000 SF Rainfall Surface Area
* NOTE *	
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.	

GENERAL PLUMBING NOTES

- 1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL

- 1 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- 2 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
- 3 FIELD VERIFY EXACT PERFORMANCE OF EXISTING SUMP PUMP AND PROVIDE NEW PUMP IN EXISTING PIT. MODIFY PIPING AS INDICATED ON PLANS.
- 4 ROUTE 3" STORM DRAIN PIPING DOWN, MAKE FINAL CONNECTION TO SUMP PUMP. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED.



1 WASTE AND VENT BASEMENT PLAN

3/16" = 1'-0"

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

TEXAS

ABILENE,



REVISIONS:

DATE: 10/24/2025

JOB: 24-3483

SHEET NO.:

P1.0

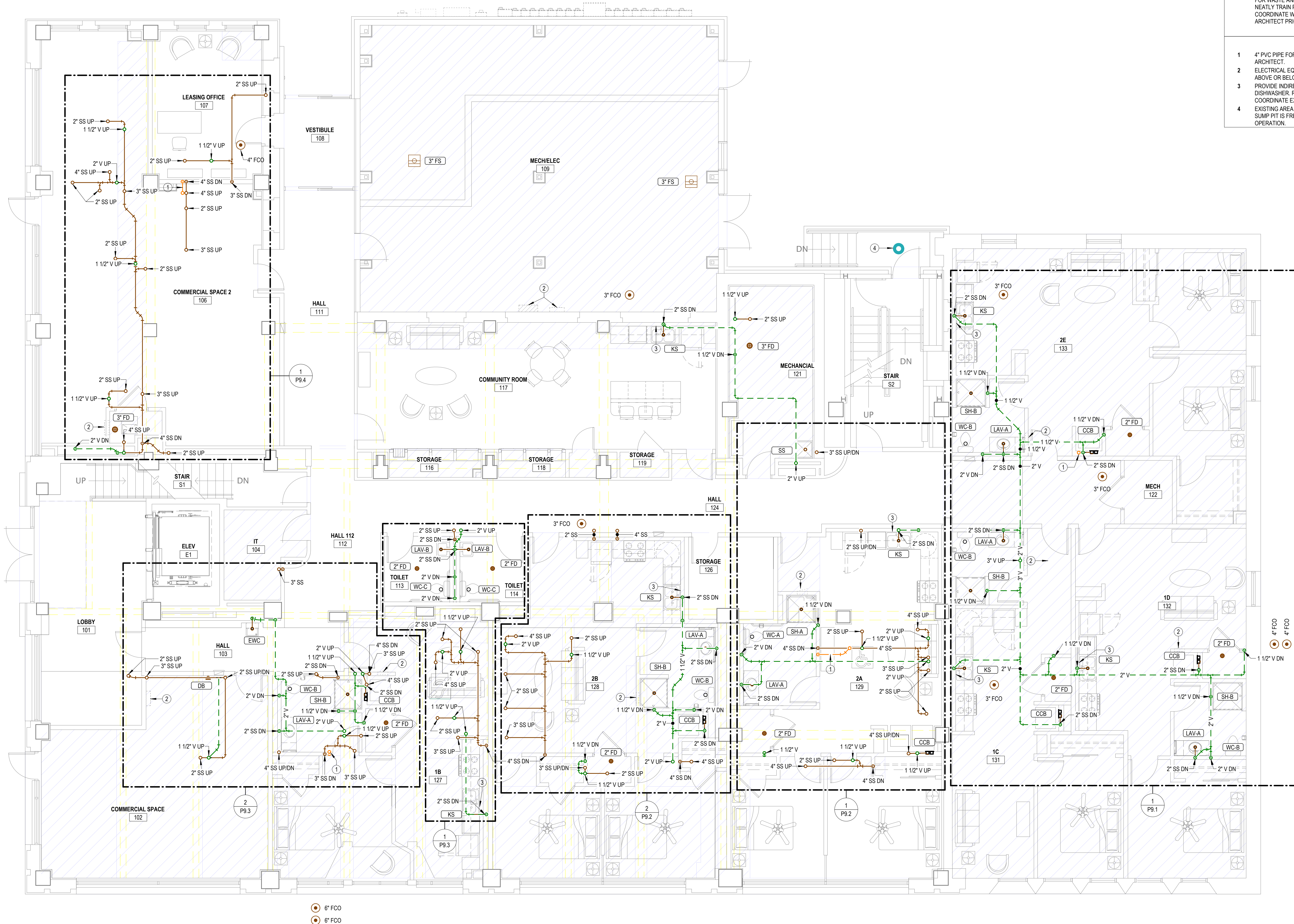
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GENERAL PLUMBING NOTES

- 1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL

- 1 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- 2 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
- 3 PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C.
- 4 EXISTING AREA DRAIN TO REMAIN. ENSURE PIPING FROM DRAIN TO BASEMENT SUMP PIT IS FREE OF DEBRIS. CLEAN/REPAIR AS REQUIRED TO RETURN TO FULL OPERATION.

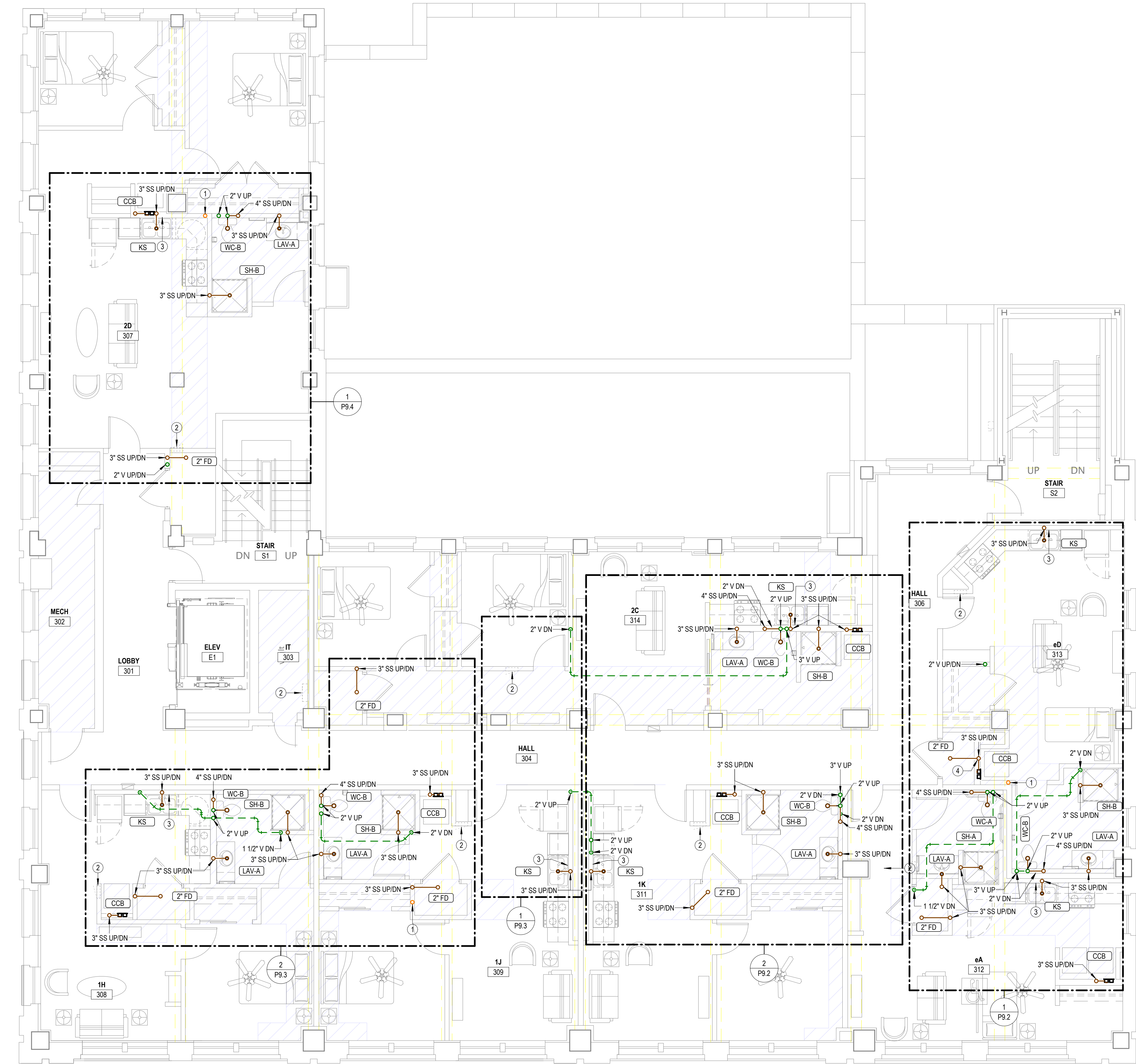


6" FCO
6" FCO



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1 WASTE AND VENT-THIRD FLOOR PLAN
3/16" = 1'-0"

GENERAL PLUMBING NOTES

- 1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL

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

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

TEXAS

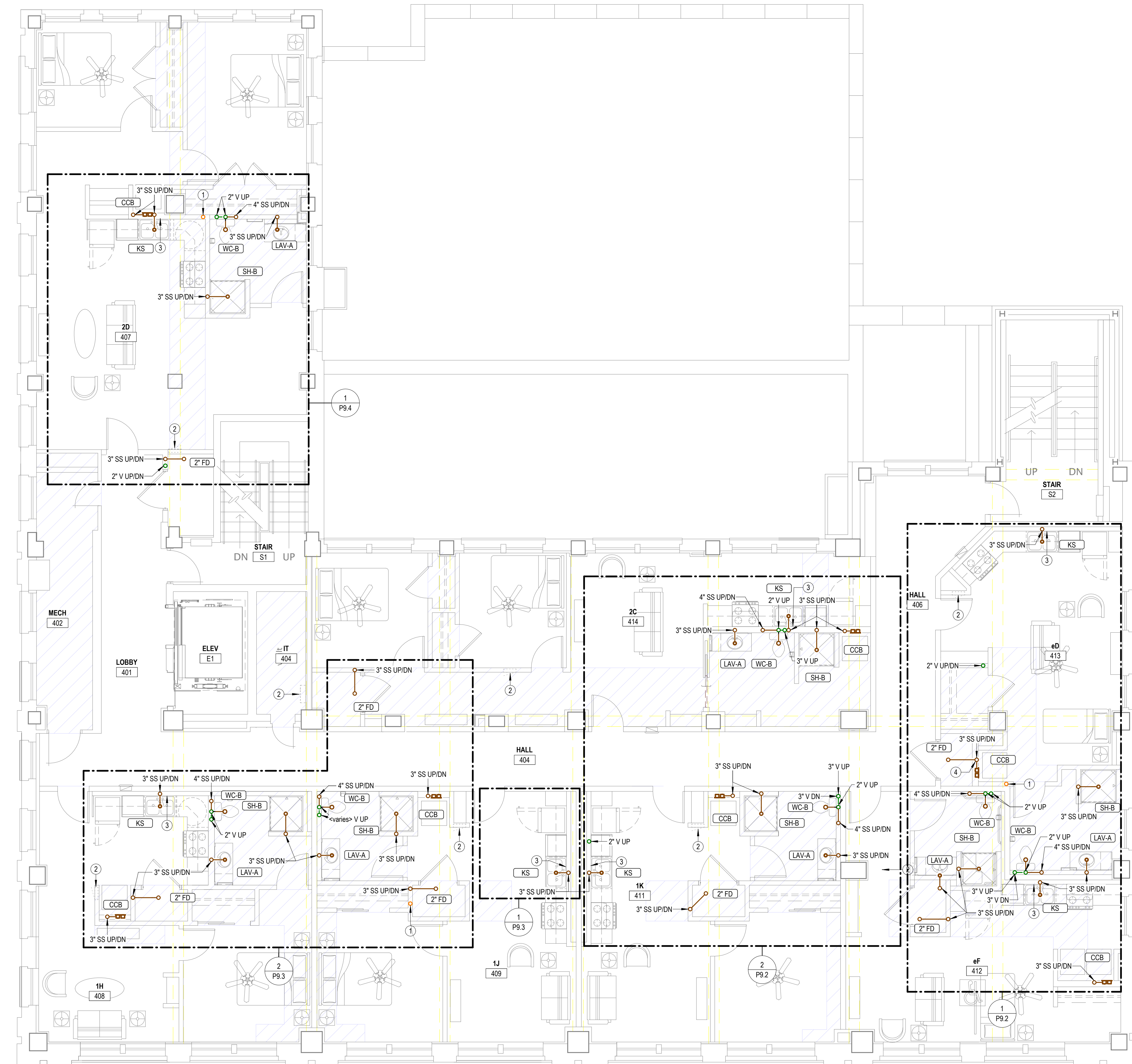
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P1.3



1 WASTE AND VENT-FOURTH FLOOR PLAN
3/16" = 1'-0"

GENERAL PLUMBING NOTES

- 1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL

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

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

ABILENE, TEXAS



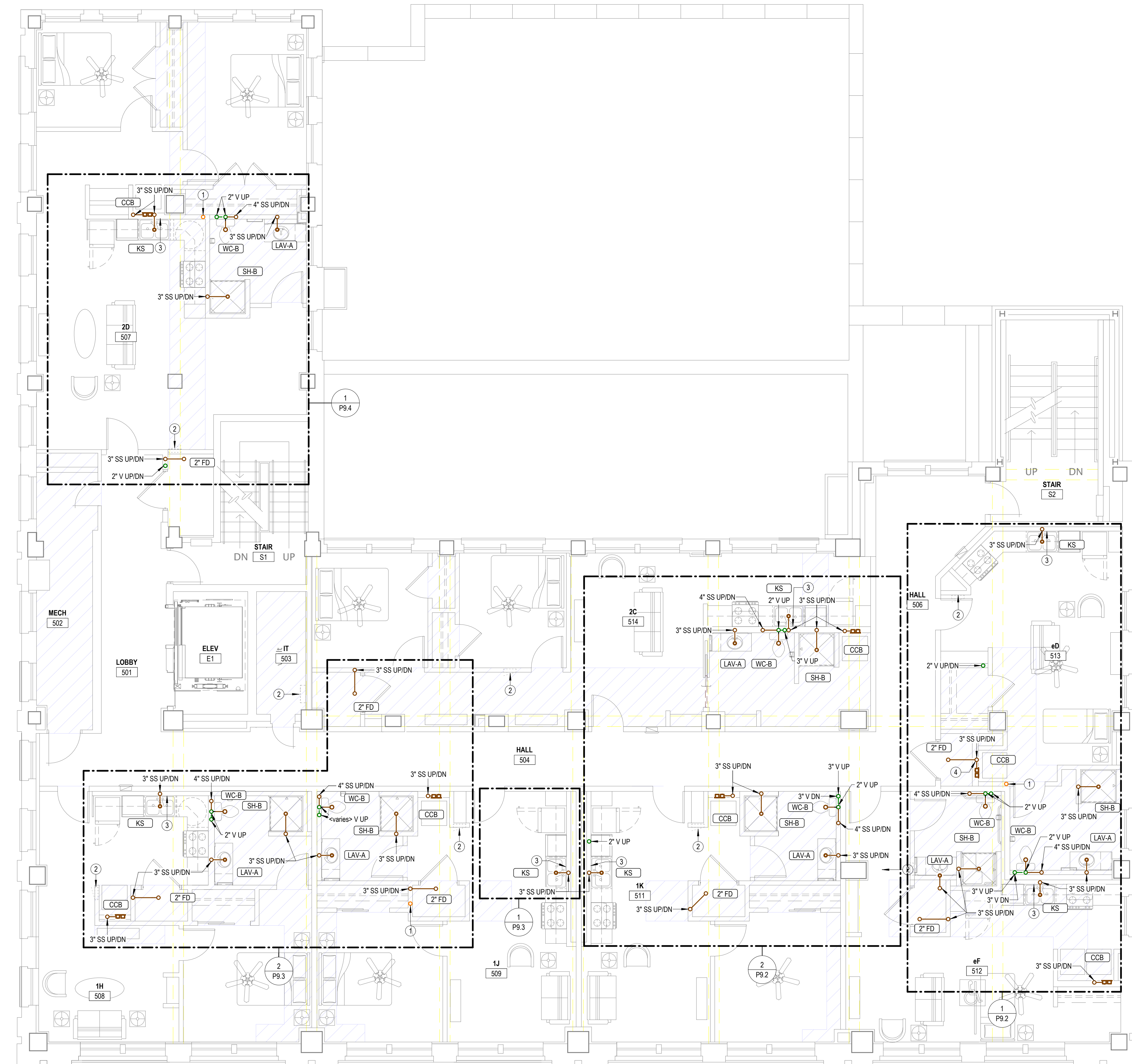
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1 WASTE AND VENT-FIFTH FLOOR PLAN
3/16" = 1'-0"

GENERAL PLUMBING NOTES

- 1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

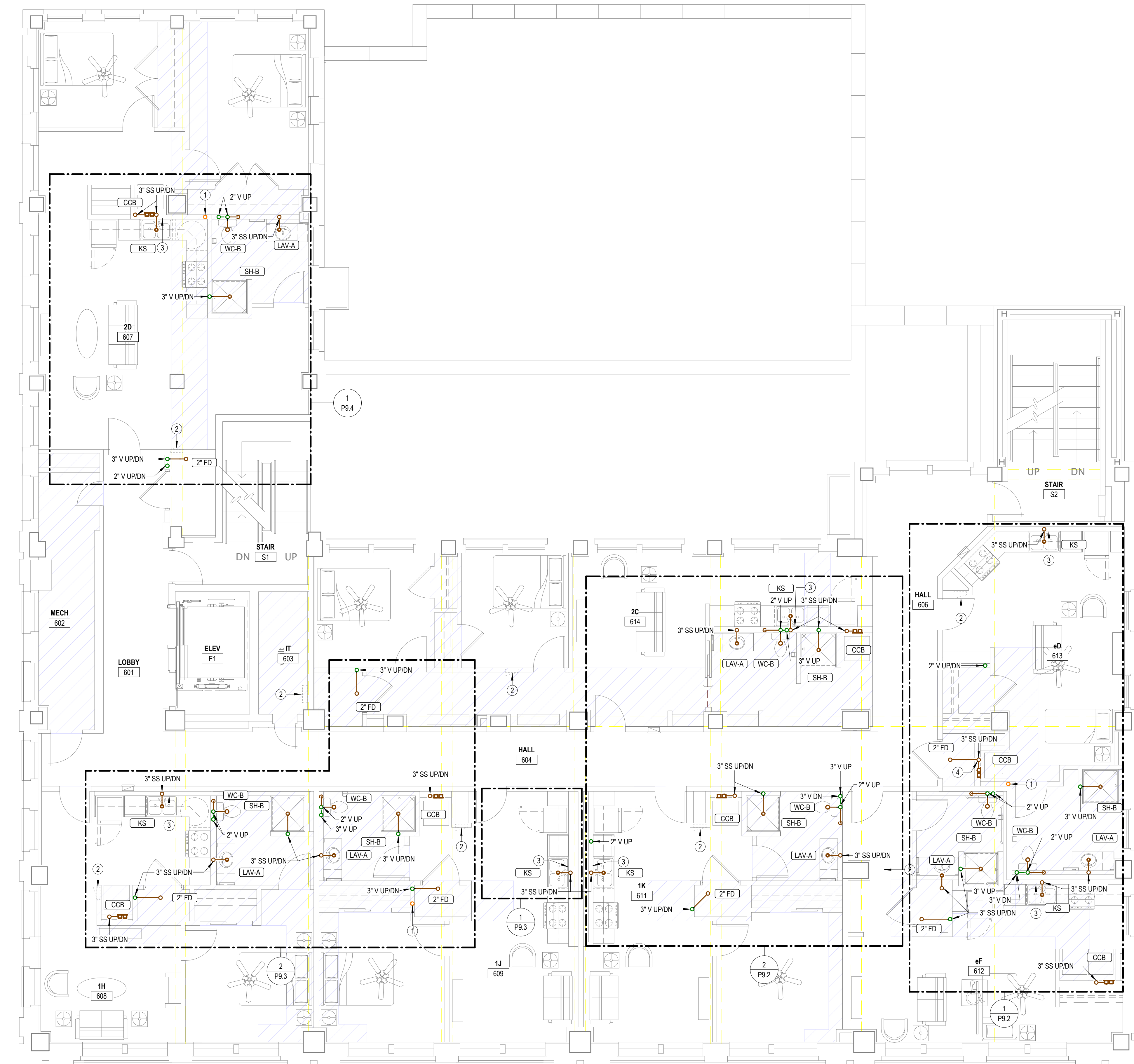
NOTES BY SYMBOL

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



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1 WASTE AND VENT-SIXTH FLOOR PLAN
3/16" = 1'-0"

GENERAL PLUMBING NOTES

- 1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL

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

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

ABILENE,

TEXAS

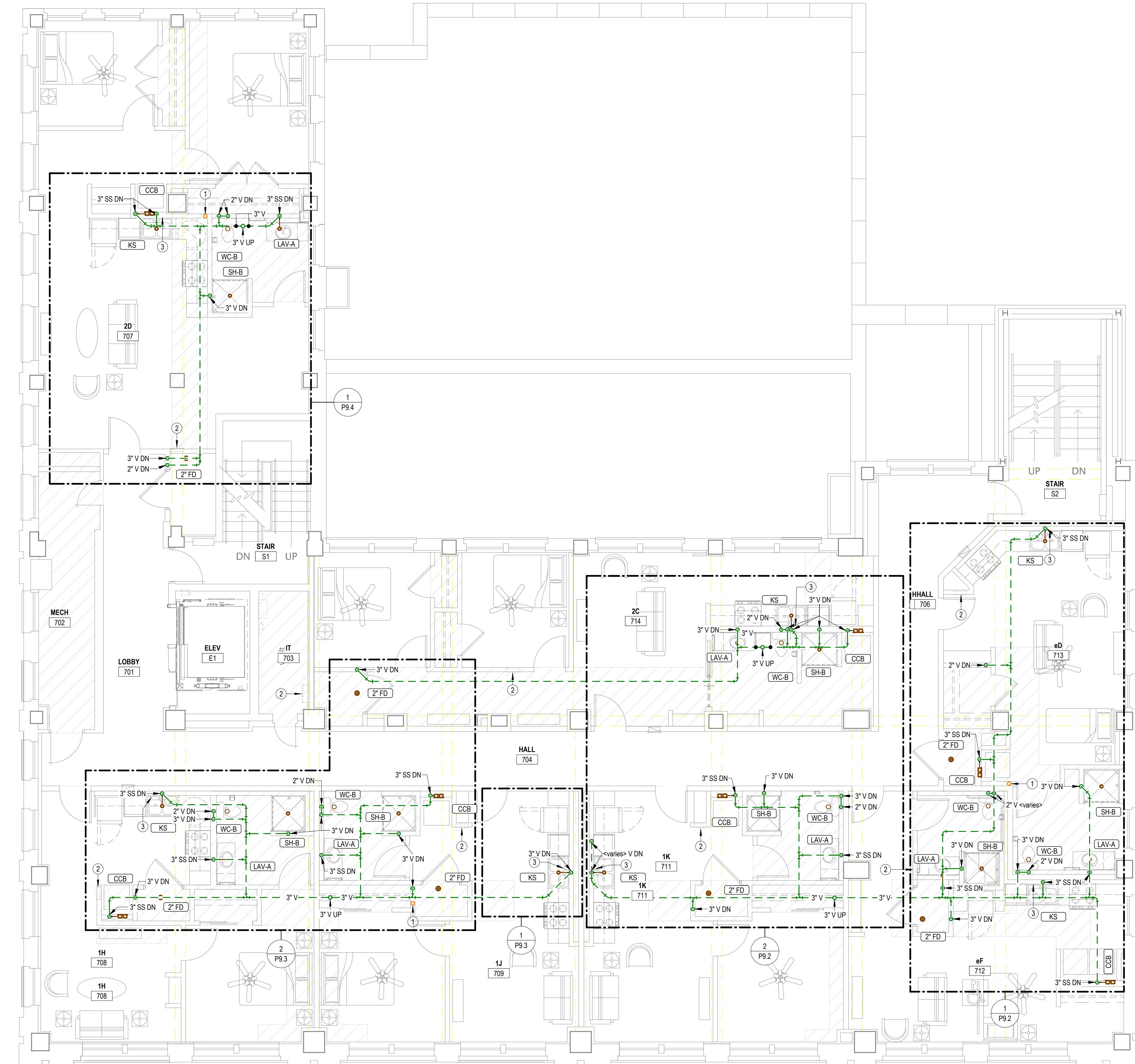


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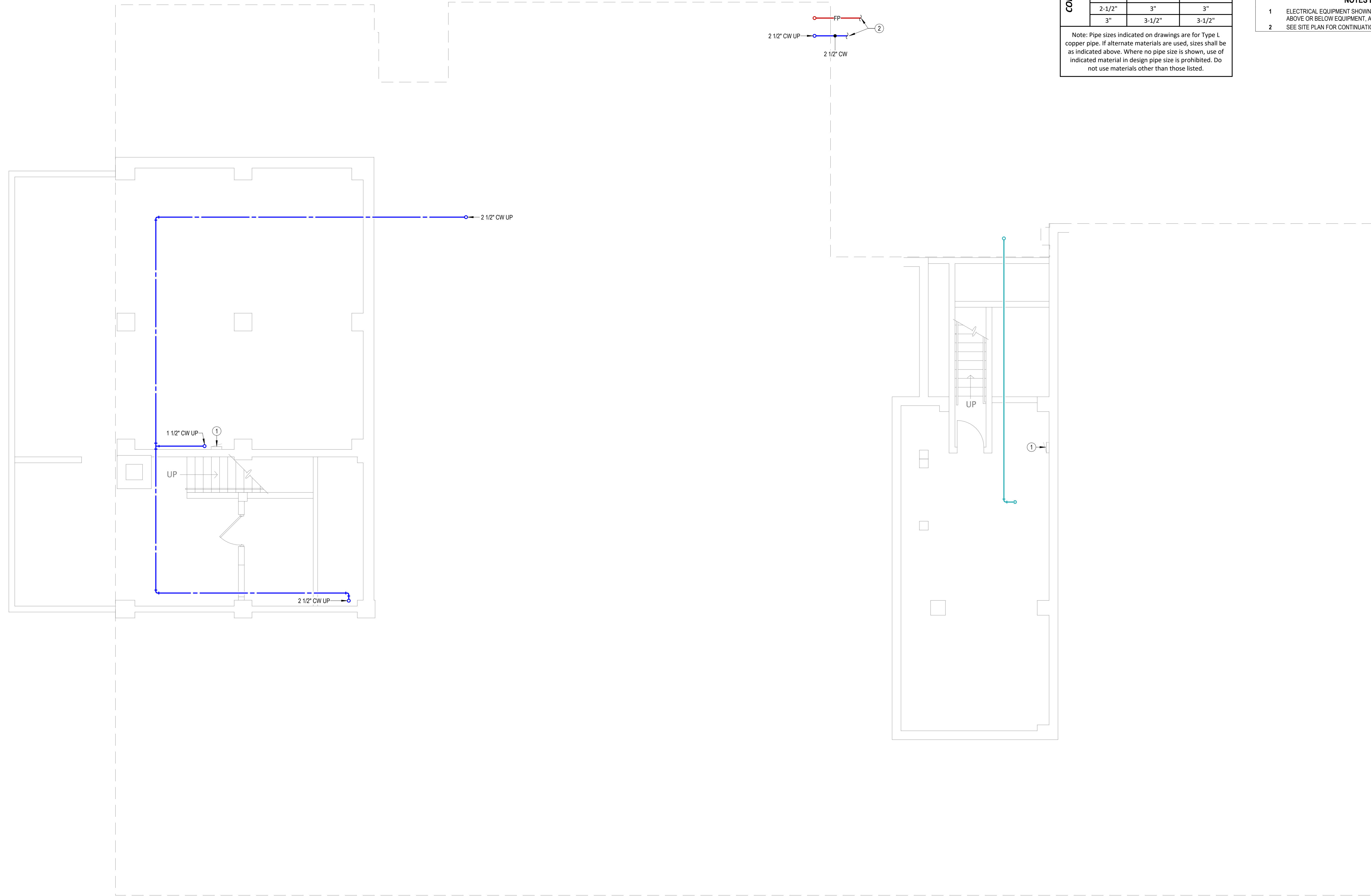
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1 WASTE AND VENT-SEVENTH FLOOR PLAN
3/16" = 1'-0"

- GENERAL PLUMBING NOTES**
- 1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.
- NOTES BY SYMBOL**
- 1 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
 - 2 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
 - 3 PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C.



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

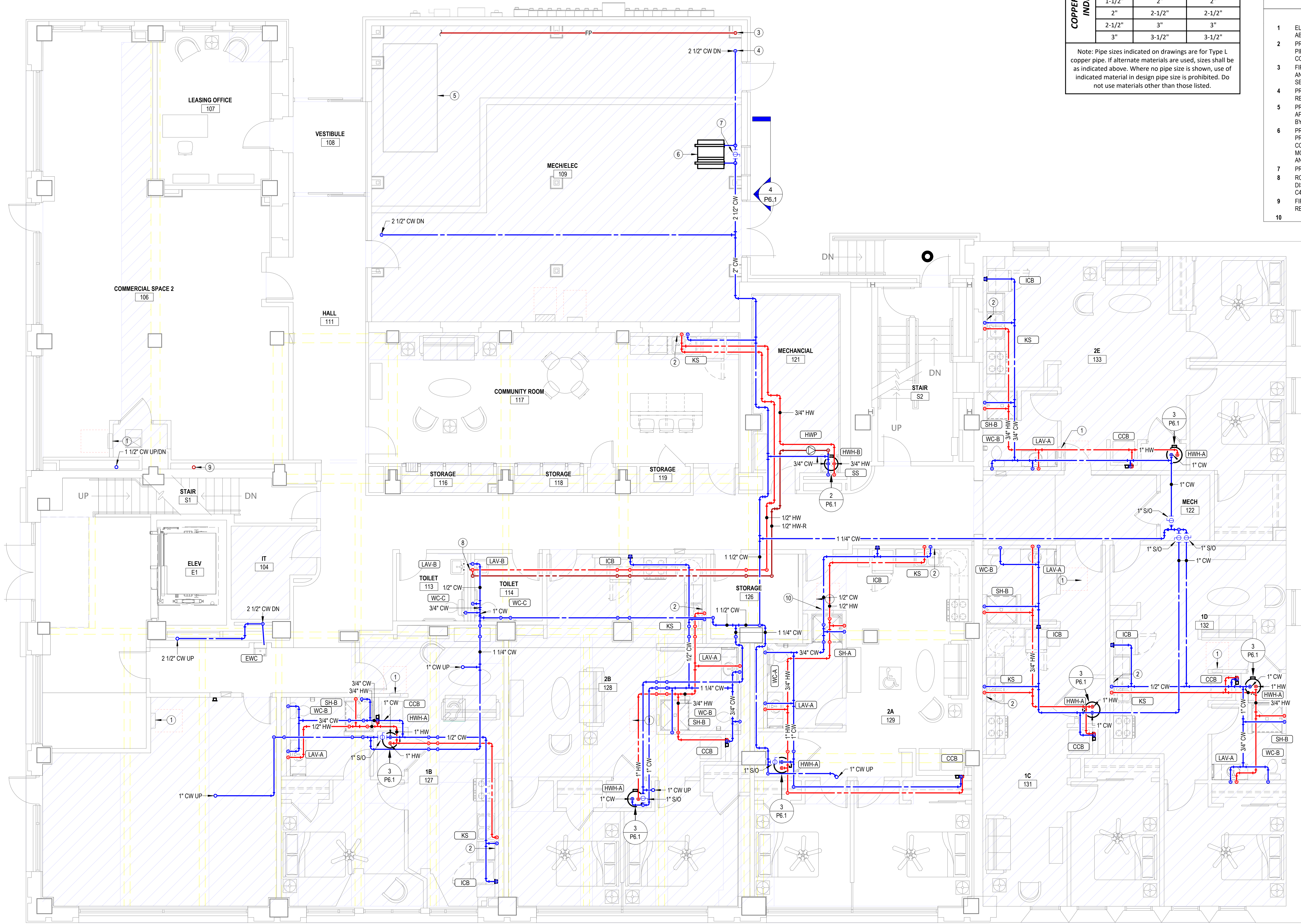


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GENERAL PLUMBING NOTES
1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL
1 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
2 SEE SITE PLAN FOR CONTINUATION.

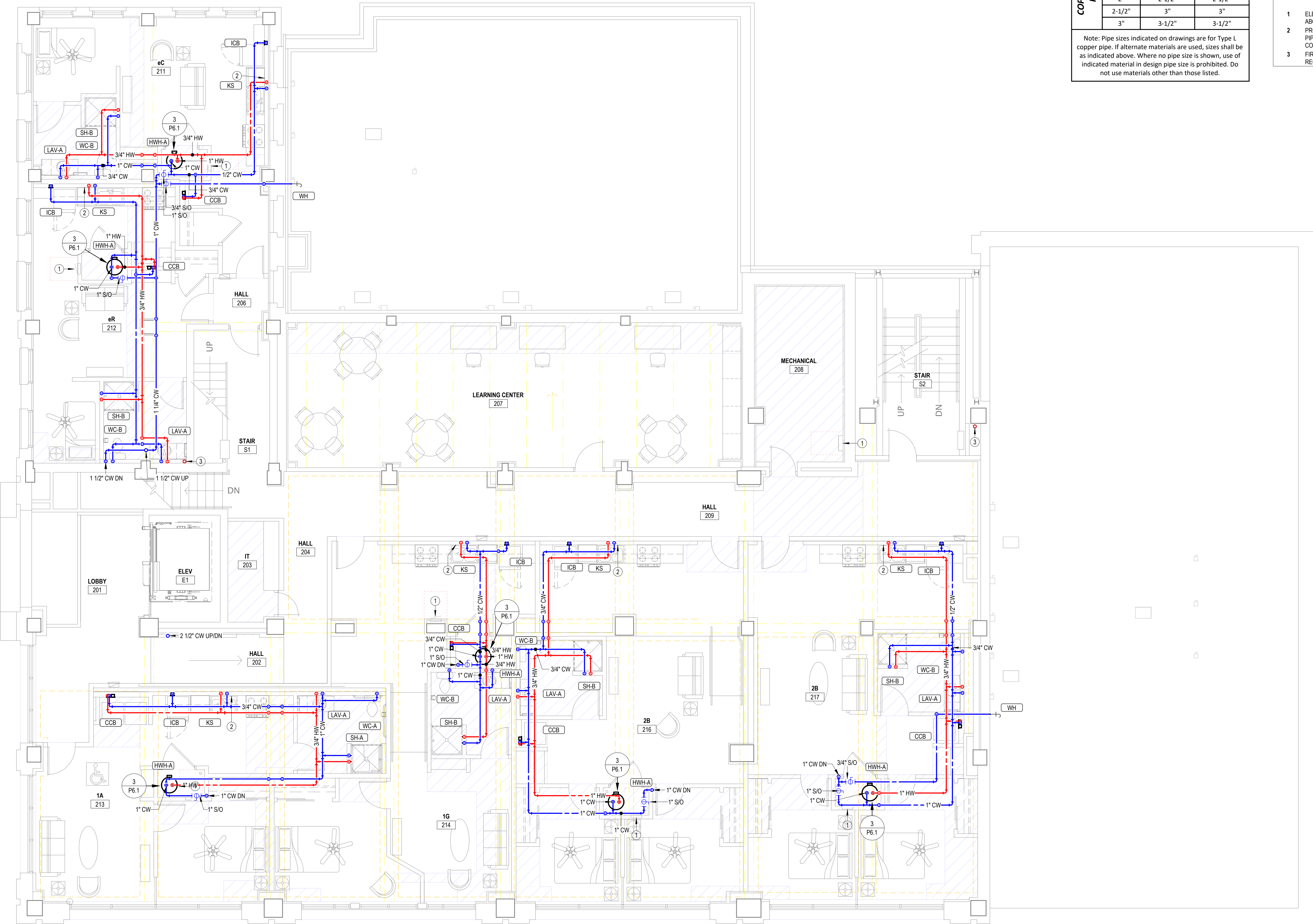


ALTERNATE MATERIAL SIZE		
COPPER PIPE SIZE INDICATED	Cross-linked polyethylene (PEX)	Polypropylene
	1/2"	1/2"
	3/4"	3/4"
	1"	1-1/4"
	1-1/4"	1-1/2"
	1-1/2"	2"
Note: Pipe sizes indicated on drawings are for Type L copper pipe. If alternate materials are used, sizes shall be as indicated above. Where no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

- GENERAL PLUMBING NOTES**

 - EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.
- NOTES BY SYMBOL**

 - ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
 - PROVIDE 1/2" VALVED BRANCH BELOW SINK AND CONNECT DISHWASHER. ROUTE PIPING ALONG BACK OF CABINETRY. COORDINATE EXACT ROUTING WITH G.C. COORDINATE EXACT REQUIREMENTS WITH DISHWASHER PROVIDED.
 - FIRE PROTECTION SERVICE ENTRANCE. INSTALL, IN ACCORDANCE WITH NFPA 13 AND 14. COORDINATE LOCATION OF ALL VALVES AND APPURTENANCES WITH AHJ. SEE DETAIL 1-P.1.
 - PROVIDE 2-1/2" SHUT-OFF VALVE AT WATER SERVICE ENTRANCE. COORDINATE REQUIREMENTS WITH CITY OF ABILENE.
 - PROVIDE SKID MOUNTED FIRE PUMP AND ALL REQUIRED CONTROLS, VALVES, AND APPURTENANCES PER SEALED FIRE SUPPRESSION SHOP DRAWINGS DESIGNED BY OTHERS.
 - PROVIDE WATER PRESSURE BOOSTER SYSTEM CAPABLE OF INCREASING PRESSURE OF 90 GPM BY 20 PSI. EQUIVALENT TO QUANTUM FLO PRODIGY E2, COMPLETE WITH (2) 2 HP VARIABLE SPEED DUPLEX PUMPS, 3" HEADERS, 208V/3PH MOTORS. SINGLE POINT POWER CONNECTION. PROVIDE MANUFACTURER'S ANALYSIS OF SYSTEM PRIOR TO INSTALLATION.
 - PROVIDE FULL SIZED, VALVED BYPASS OF BOOSTER SYSTEM.
 - ROUTE HOT WATER PIPING RECIRCULATION LOOP DOWN IN WALL TO LIMIT DISTANCE FROM LOOP TO LAVATORY TO LESS THAN 2' PER 2021 IECC TABLE C404.5.1.
 - FIRE PROTECTION STAND PIPE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FIRE PROTECTION DRAWINGS.
 -



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

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

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



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10/24/2025

Project 25037

GENERAL PLUMBING NOTES

- EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL

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


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

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

GENERAL PLUMBING NOTES

- NOTES BY SYMBOL

- # LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

ABILENE,



REVISIONS:

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SHEET NO.:

P2.3

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

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.

EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL

ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT. AND MAINTAIN WORKING CLEARANCE SHOWN. FIRE PROTECTION STAND PIPE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH RFI'S PROTECTION DRAWINGS.



HISTORIC REHABILITATION - APARTMENTS

TEXAS



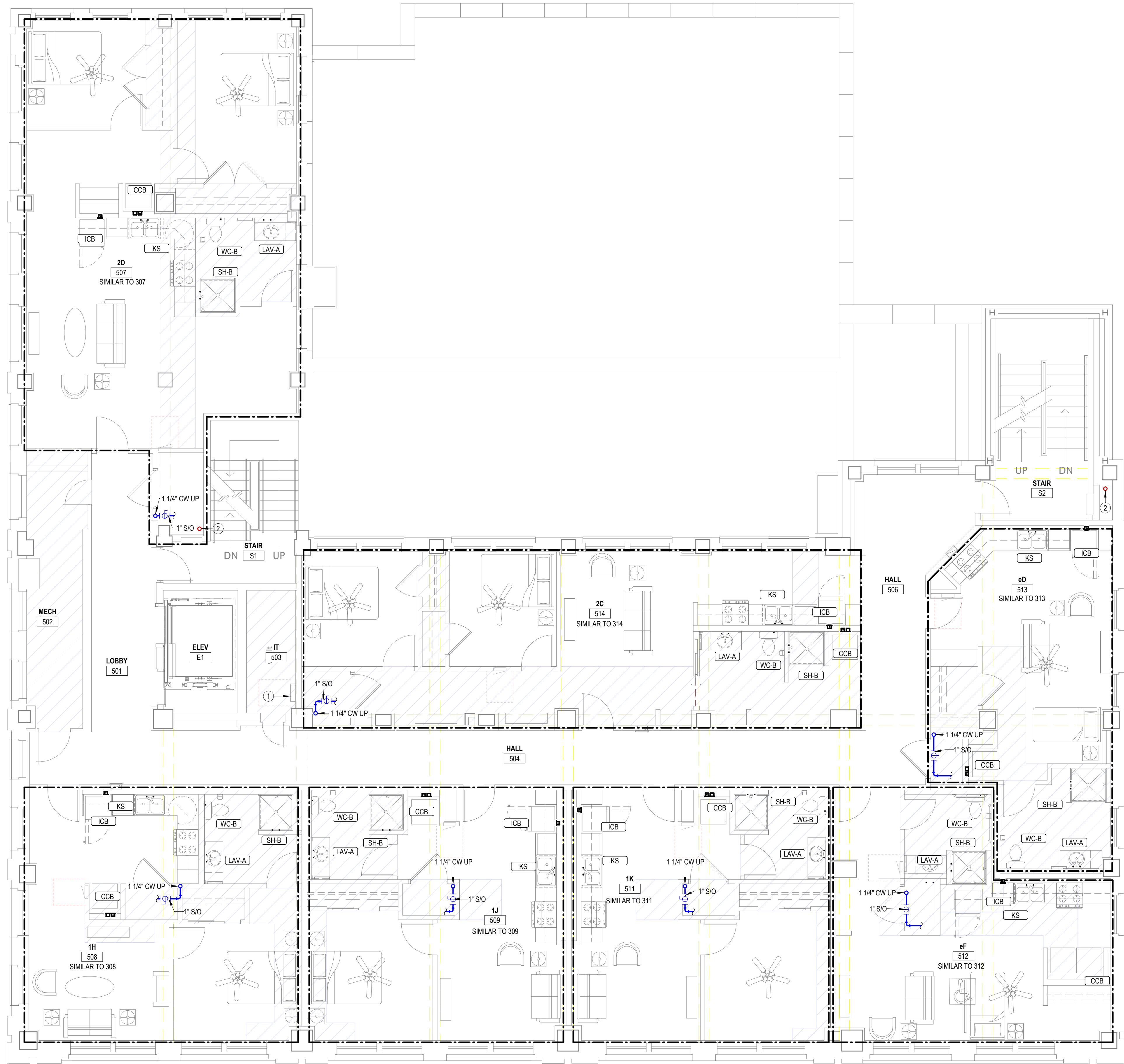
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1 DOMESTIC WATER-FIFTH FLOOR PLAN
3/16" = 1'-0"

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



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10/24/2025

Project 25037

GENERAL PLUMBING NOTES
1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

NOTES BY SYMBOL
1 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
2 FIRE PROTECTION STAND PIPE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FIRE PROTECTION DRAWINGS.



REVISIONS:

DATE:	10/24/2025
JOB:	24-3483
SHEET NO.:	

P2.5

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

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.

Cross-linked polyethylene (PEX)	Polypropylene
1/2"	1/2"
3/4"	3/4"
1-1/4"	1-1/4"
1-1/2"	1-1/2"
2"	2"
2-1/2"	2-1/2"
3"	3"
3-1/2"	3-1/2"



Project 25037

1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACE. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

1 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING
ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
2 FIRE PROTECTION STAND PIPE. COORDINATE EXACT LOCATION AND
REQUIREMENTS WITH FIRE PROTECTION DRAWINGS.

HISTORIC REHABILITATION - APARTMENTS

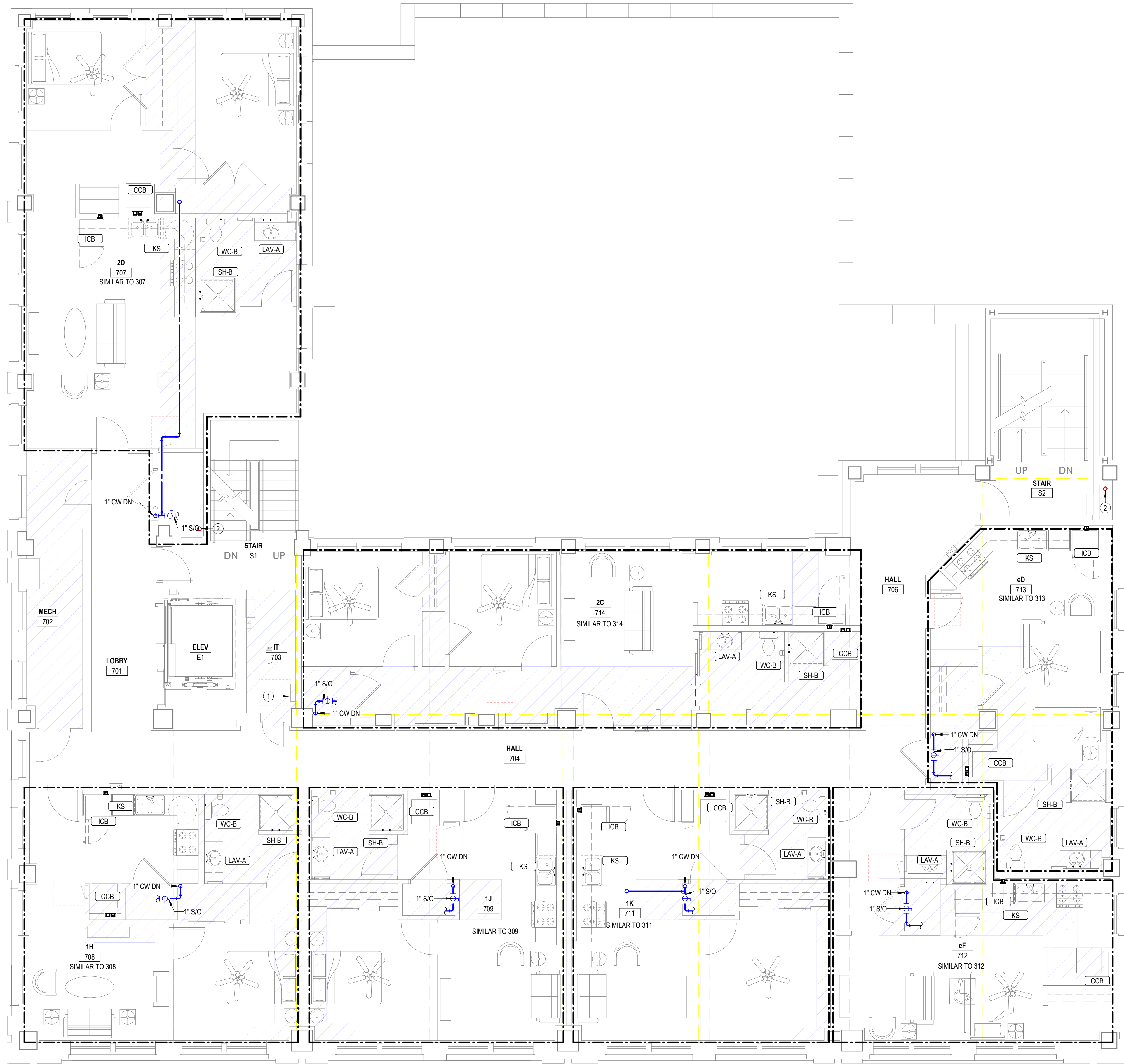
TEXAS



JOB: 24-3483

100

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1 DOMESTIC WATER-SEVENTH FLOOR PLAN
3/16" = 1'-0"

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



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Project 25037

GENERAL PLUMBING NOTES
1 EXPOSED PIPING TO BE ROUTED TIGHT TO BOTTOM OF EXISTING STRUCTURE. UTILIZE COPPER, OR RIGID PEX FOR DOMESTIC WATER, AND PVC OR CAST IRON FOR WASTE AND VENT. ROUTE PIPING PERPENDICULAR TO BUILDING SURFACES. NEATLY TRAIN PIPING TOGETHER ALONG EXISTING CONSTRUCTION AND COORDINATE WITH OTHER TRADES. OBTAIN APPROVAL OF ROUTING FROM ARCHITECT PRIOR TO ROUGHING IN.

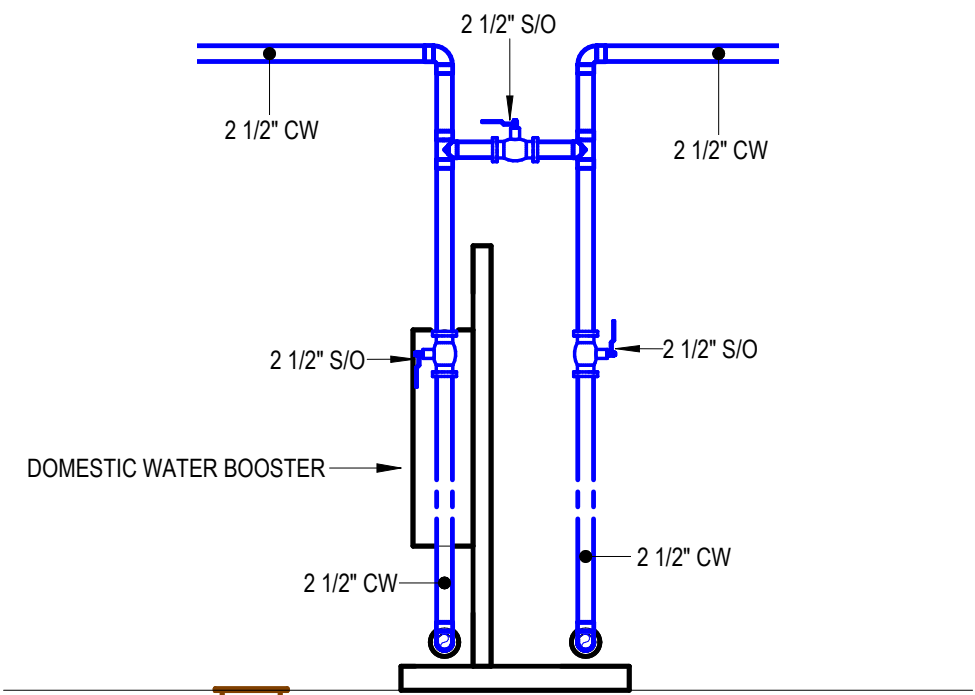
NOTES BY SYMBOL
1 ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION. DO NOT ROUTE PIPING ABOVE OR BELOW EQUIPMENT, AND MAINTAIN WORKING CLEARANCE SHOWN.
2 FIRE PROTECTION STAND PIPE. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH FIRE PROTECTION DRAWINGS.



REVISIONS:

DATE: 10/24/2025
JOB: 24-3483
SHEET NO.:

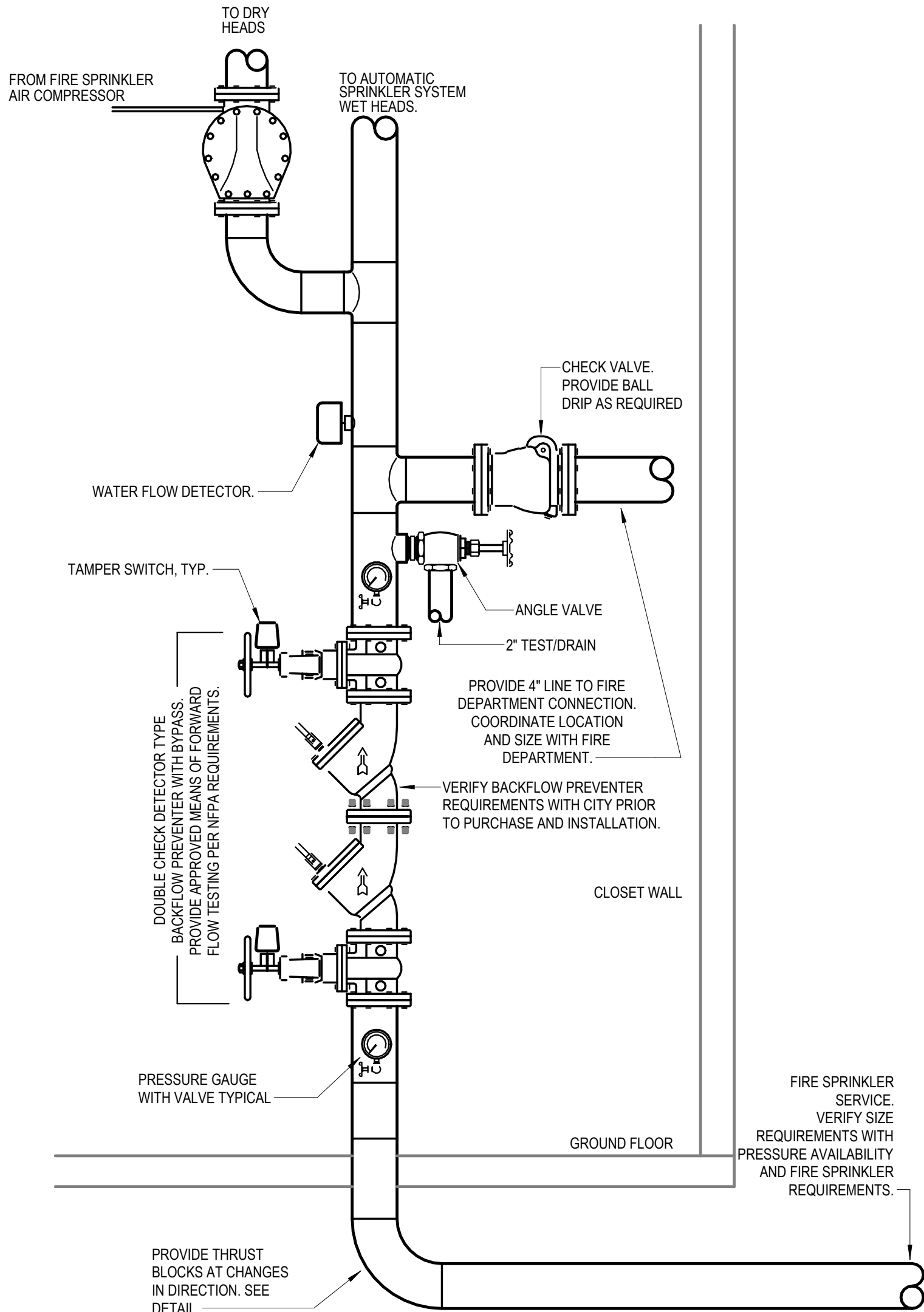
P2.7



4

DOMESTIC WATER BOOSTER RISER

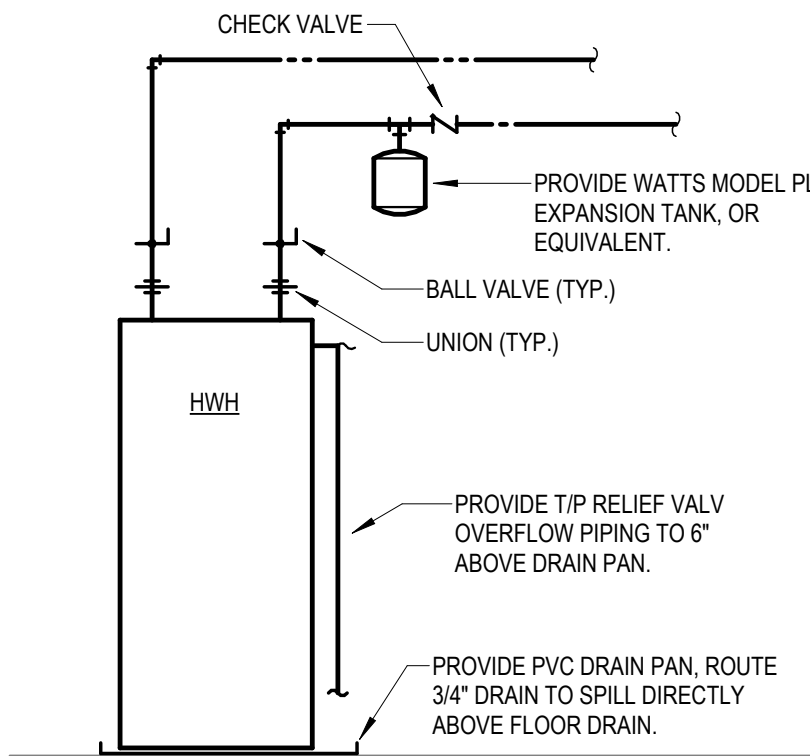
3/8" = 1'-0"



1

FIRE PROTECTION RISER DIAGRAM

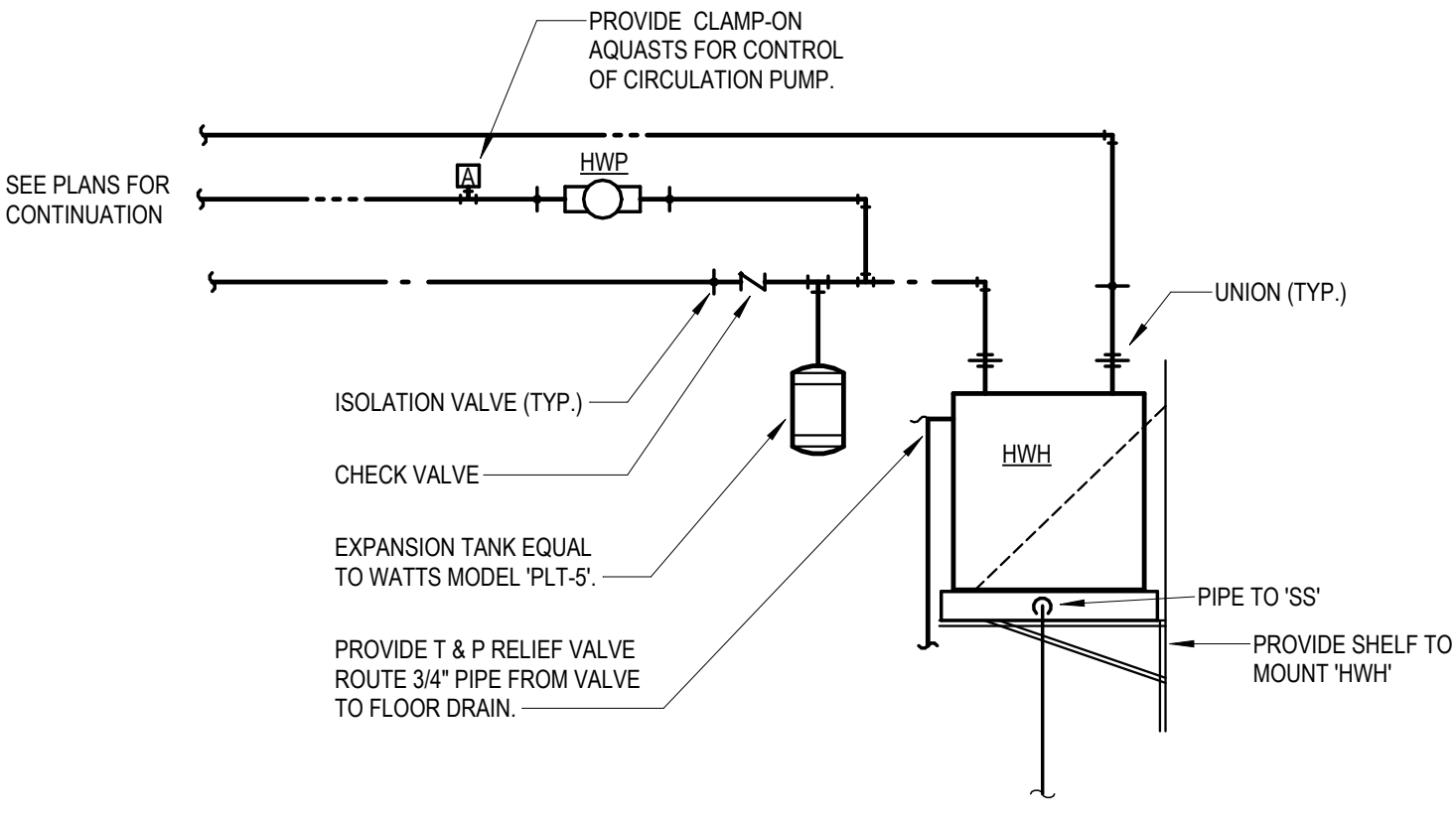
NO SCALE



3

APPARTMENT WATER HEATER DIAGRAM

NO SCALE



2

WATER HEATER ON SHELF PIPING DIAGRAM

NO SCALE

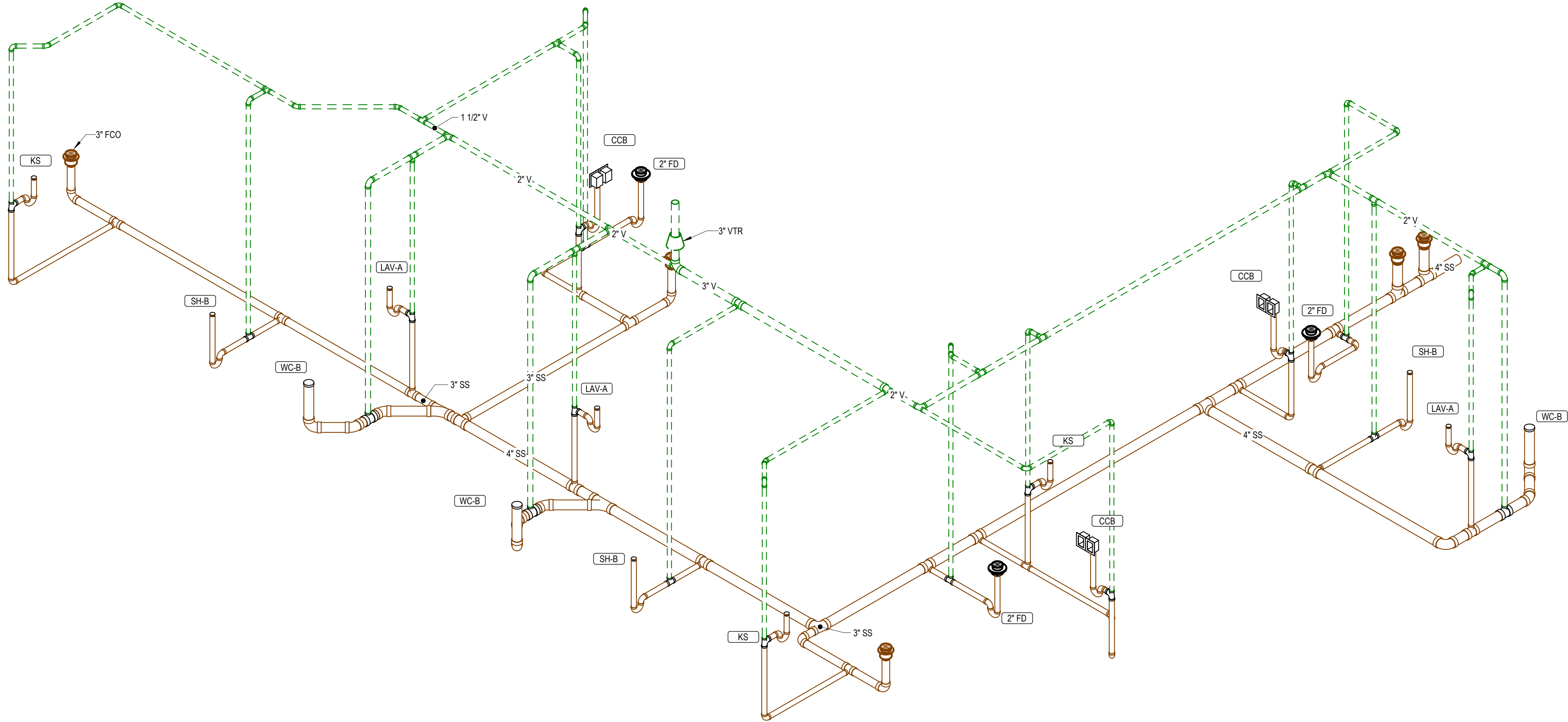
PLUMBING FIXTURE SCHEDULE

- GENERAL:**
- PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.
 - VENT SIZES ARE APPLICABLE ONLY FOR INDIVIDUAL FIXTURE VENTS WHERE ALTERNATE VENTING METHOD HAS NOT BEEN INDICATED ON PLANS.
 - PROVIDE 1/4 TURN STOP VALVES ON ALL HOT AND COLD WATER SUPPLY LINE CONNECTIONS FOR FIXTURES. SHOWER VALVES SHALL HAVE INTEGRAL STOP VALVES.
 - PROVIDE FLOOR DRAINS AND FLOOR SINKS WITH TRAP PRIMER OR TRAP PRIMER ALTERNATIVE EQUIVALENT TO PREVENT TRAP GUARD. PROVIDE AUTOMATIC TRAP PRIMER DEVICE WITH SINGLE OR MULTIPLE OUTLET PIPES AND ROUTE DRAINS TO PRIMER PORTS.
- NOTES:**
1. IN AREAS OPEN TO THE PUBLIC, FIXTURE AND INSTALLATION TO MEET REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT. IN APARTMENTS, FIXTURE AND INSTALLATION TO MEET REQUIREMENTS OF THE FAIR HOUSING ACT.
 2. PROVIDE DEARBORN SUPPLIES WITH STOPS AND EXCUTCHEON PLATE, 1-1/4" CAST BRASS P-TRAP.
 3. INSULATE WATER AND WASTE PIPING BELOW SINK. UTILIZE INSULATION KIT EQUIVALENT TO LAVGUARD BY TRUEBRO. PROVIDE PLUMBEREX MODEL #3071WD-N WASTE DISPOSAL COVER.
 4. TRIM SHALL BE PROVIDED WITH POLISHED CHROME FINISH.
 5. TRANSITION FROM 1/8" DRAIN TUBING TO 1/2" PVC DRAIN AND TERMINATE WITH AIR GAP AT NEAREST TENANT FLOOR DRAIN.
 6. PLUMBING FIXTURE SELECTED BY INTERIOR DESIGNER. ALL SUBSTITUTIONS SHALL BE APPROVED BY INTERIOR DESIGNER.

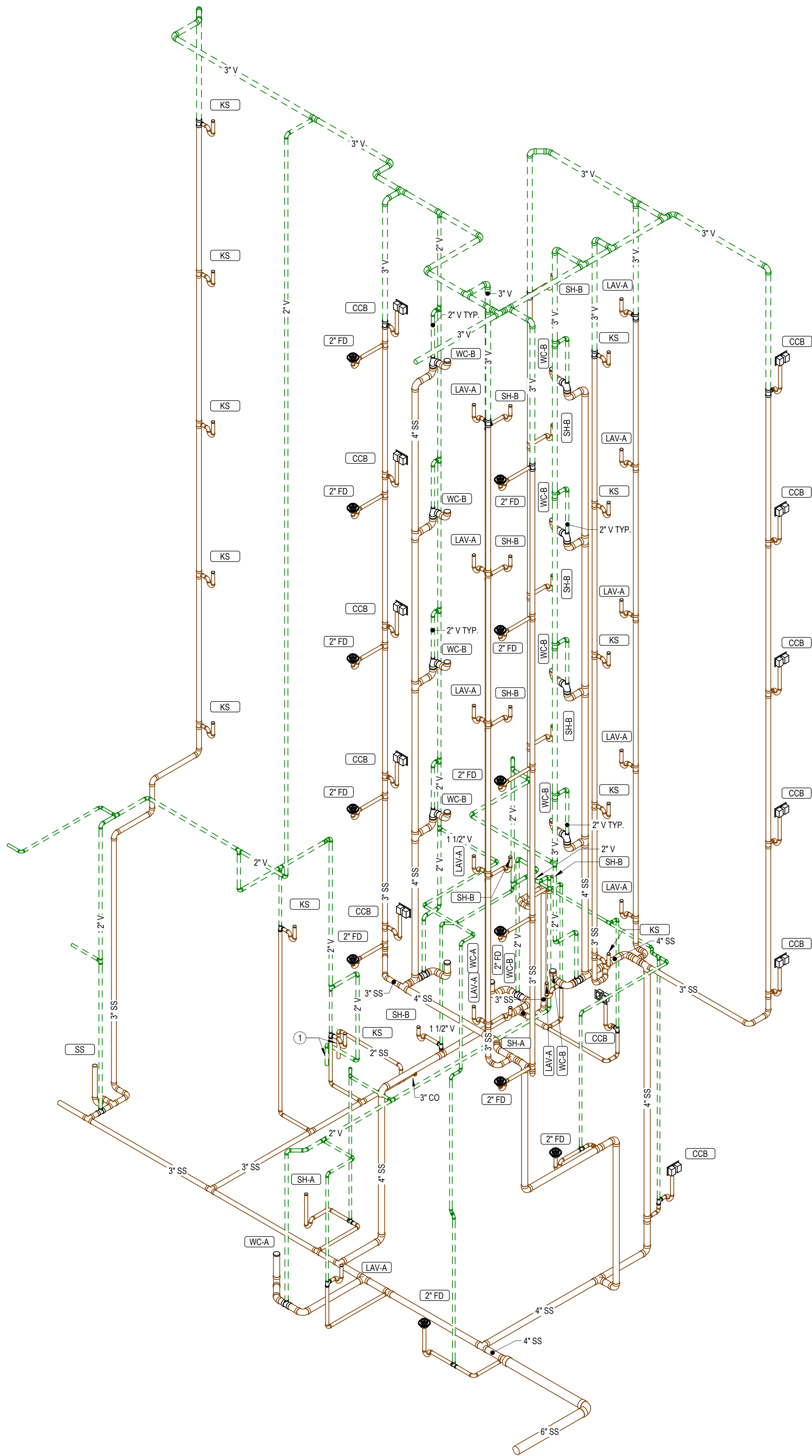
MARK	MANUFACTURER	MODEL	PRODUCT DESCRIPTION	TRIM	ROUGH-IN SIZES			COLD	HOT	ADA COMPLIANT	NOTES
					DRAIN	VENT	WATER				
CCB	SIoux CHIEF	696-2313	RECESSED WASHING MACHINE BOX WITH 2"PVC/ABS DRAIN COUPLING AND KNOCKOUT TEST CAP. TWO 1/4 TURN BALL VALVES WITH HAMMER ARRESTORS.		2"	1 1/2"	1/2"	Yes	Yes		
DB	Sioux Chief	696	DRAINAGE BOX BOX WITH 2" DRAIN CONNECTION AND SOLID COVER.		2"	2"	0"	No	No		
EWC	MURDOCK	A171108F-UG-BF12	SELF-CONTAINED WATER COOLER WITH STAINLESS STEEL BASIN, FRONT PUSH BUTTON ACTUATOR, SENSOR OPERATED BOTTLE FILLER, LEAD-FREE COOLING SYSTEM, 120 VOLTS.		2"	1 1/2"	1/2"	Yes	No	Yes	1
FD	WATTS	FD-100-A	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY AND SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL, PROOF NICKEL BRONZE STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAPGUARD	<varies >	2"					
FS	WATTS	FS-740	12" SQUARE, 8" DEEP FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER.	TRAP PROTECTION DEVICE EQUIVALENT TO PROSET TRAP GUARD	3"	2"					
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	KRAUS	KA1AS25B	DEX 25, ONE COMPARTMENT 16 GA STAINLESS STEEL SINK, UNDERMOUNT, 23"W X 17-1/8" X 5-1/4"D BOWL, FULLY UNDERCOATED	DELTA MODEL 19867LF SINGLE HANDLE KITCHEN SINK FAUCET WITH HOSE SPRAY ATTACHMENT, FINISH SELECTED BY ARCHITECT. PROVIDE BASKET STRAINER.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,4,6
LAV-A	AMERICAN STANDARD	0610000.020	UNDERMOUNT LAVATORY, WHITE VITROUSE CHINA, 17" X 13" X 6"D	DELTA MODEL 559HAR-SS-DST SINGLE HANDLE FAUCET, STAINLESS STEEL FINISH, LEONARD MODEL TM-1 POINT OF USE MIXING VALVE. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,6
LAV-B	AMERICAN STANDARD	0355.012	WALL HUNG LAVATORY, WHITE VITROUSE CHINA, 21-1/4"W X 18-1/4", FRONT OVERFLOW, FAUCET HOLES ON 4" CENTERS.	DELTA MODEL 559HAR-SS-DST SINGLE HANDLE FAUCET, STAINLESS STEEL FINISH, LEONARD MODEL TM-1 POINT OF USE MIXING VALVE. PROVIDE GRID DRAIN.	2"	1 1/2"	1/2"	Yes	Yes	Yes	1,2,3,6
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 MANUFACTURERS ROOF MOUNTING SYSTEM CONSISTING OF CAST IRON HYDRANT SUPPORT, UNDER DECK FLANGE, WELL SEAL, EPDM BOOT, AND SHIMS AS REQUIRED. COORDINATE INSTALLATION WITH G.C.				3/4"	Yes	No	No	5
SH-A	AQUA BATH CO.	C4136BF-OT-FUX 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, PROVIDE WITH NICKEL CHROME FINISH.	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"	1 1/2"	1/2"	Yes	Yes	No	
SH-B	AQUATIC	13636FHARF	CAST ACRYLIC SHOWER, 36" SQUARE INSIDE, REAR MOLDED SOAP SHELF, PROVIDE WITH FHA BACKING. PROVIDE WITH NICKEL CHROME FINISH.	KOHLER / K-8304-KS PRESSURE BALANCING VALVE WITH INTEGRAL TEMPERATURE LIMITS AND STOPS / K-TS10276-4 VALVE TRIM.	2"	1 1/2"	1/2"	Yes	Yes	No	
SS	FIAT	MSB-2424	ONE PIECE MOLDED STONE MOP BASIN, 24" SQUARE, STAINLESS STEEL INTEGRAL DRAIN BODY WITH CAULK CONNECTION, STAINLESS STEEL WALL GUARDS.	CHICAGO FAUCET MODEL 897-CPP FAUCET WITH HOSE THREAD OUTLET, VACUUM BREAKER SPOUT, PAIL HOOK, WALL BRACE, INTEGRAL CHECK VALVES, METAL LEVER HANDLES.	3"	1 1/2"	3/4"	Yes	Yes	No	
WC-A	AMERICAN STANDARD	215AA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	WHITE CLOSED FRONT SOFT CLOSE PLASTIC SEAT WITH COVER.	4"	2"	1/2"	Yes	No	Yes	1
WC-B	AMERICAN STANDARD	215CA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 15" HIGH BOWL.	WHITE CLOSED FRONT SOFT CLOSE PLASTIC SEAT WITH COVER.	4"	2"	1/2"	Yes	No	No	
WC-C	AMERICAN STANDARD	215AA.104	FLUSH TANK WATER CLOSET, WHITE VITREOUS CHINA, 3" FLUSH VALVE, 12" ROUGH-IN, ELONGATED 16-1/2" HIGH BOWL.	WHITE OPEN FRONT SOFT CLOSE PLASTIC SEAT	4"	2"	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	

DOMESTIC WATER EQUIPMENT SCHEDULE

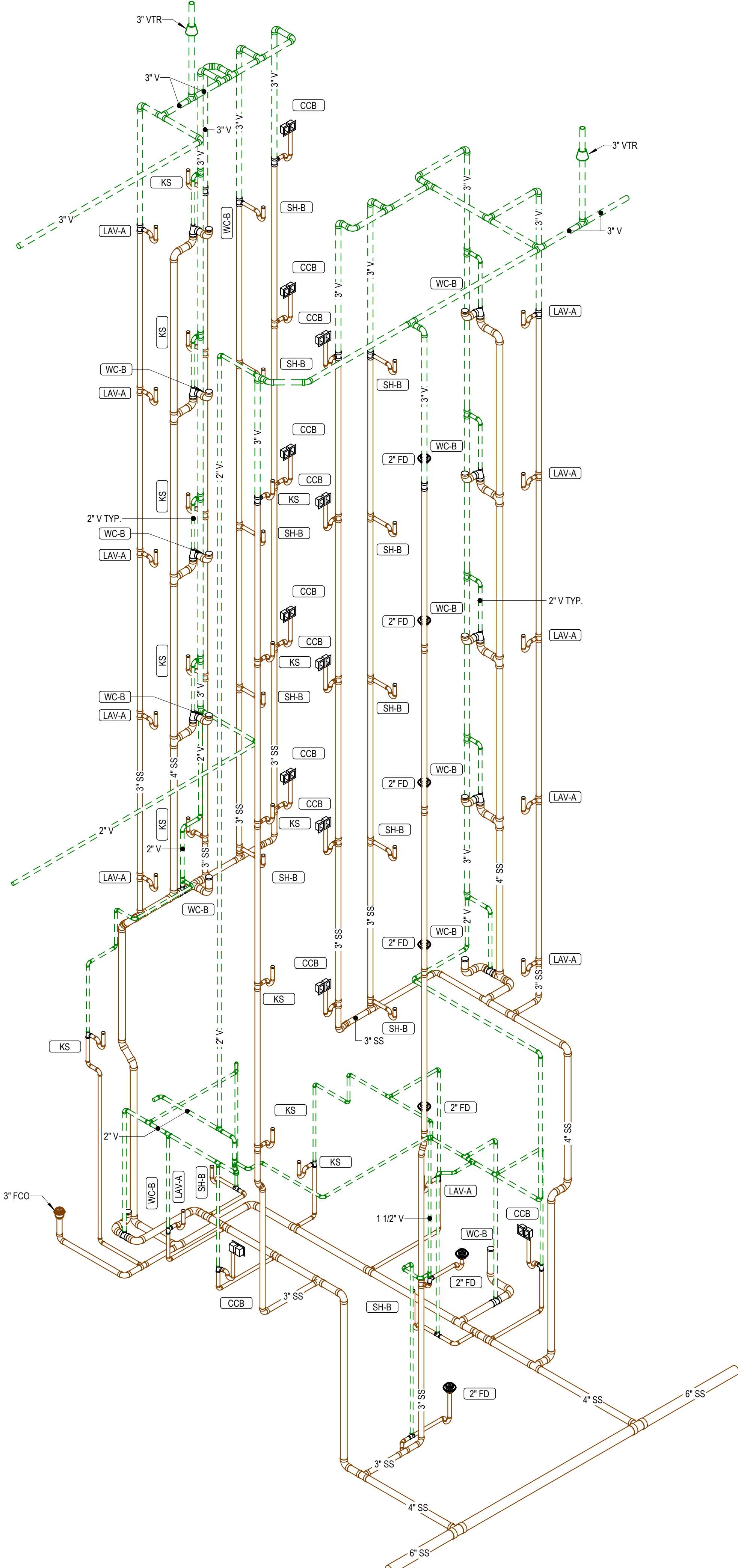
- GENERAL:**
- PROVIDE FIXTURES WITH ALL TRIM NECESSARY FOR COMPLETE INSTALLATION.
- NOTES:**
1. PROVIDE WALL HUNG PLATFORM FOR WATER HEATER EQUAL TO HOLIDRITE #60SQHP-W. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT.
 2. PUMP SHALL HAVE CONTROLS TO PREVENT STARTUP WITHIN 5 MINUTES FROM THE END OR PREVIOUS HEATING CYCLE. HOT WATER REGRICULATION SYSTEM SHALL MEET ALL REQUIREMENTS OF 2021 IECC.
- | Mark | Manufacturer | Model | Product Specification | Schedule Notes |
|--------|----------------|---------|--|----------------|
| HW-H-A | AO Smith | EETU-40 | 40 GALLON ELECTRIC WATER HEATER, 0.93 UEF, 4500 WATTS, 208V HEATING ELEMENT, 21 GPH RECOVERY @ 90°F TEMP RISE. SUPPLIED WITH TEMPERATURE AND PRESSURE RELIEF VALVE AND BRASS DRAIN VALVE. WATER HEATER SHALL HAVE TEMPERATURE CONTROLS SET TO LIMIT SUPPLY TEMPERATURE TO 120°F OR LESS. | |
| HW-H-B | AO Smith | EJCS-20 | 20 GALLON ELECTRIC WATER HEATER, 2500 WATTS, 120V HEATING ELEMENT, 11 GPH RECOVERY @ 90°F TEMP RISE. SUPPLIED WITH TEMPERATURE AND PRESSURE RELIEF VALVE AND BRASS DRAIN VALVE. WATER HEATER SHALL HAVE TEMPERATURE CONTROLS SET TO LIMIT SUPPLY TEMPERATURE TO 120°F OR LESS. | 1 |
| HWP | BELL & GOSSETT | NBF-33 | CIRCULATION PUMP, BRONZE BODY, 10 GPM @ 10' HEAD, 120 VAC. PROVIDE CLAMP-ON AQUASTAT FOR PUMP CONTROL. | 2 |



1 **WASTE & VENT RISER DIAGRAM**

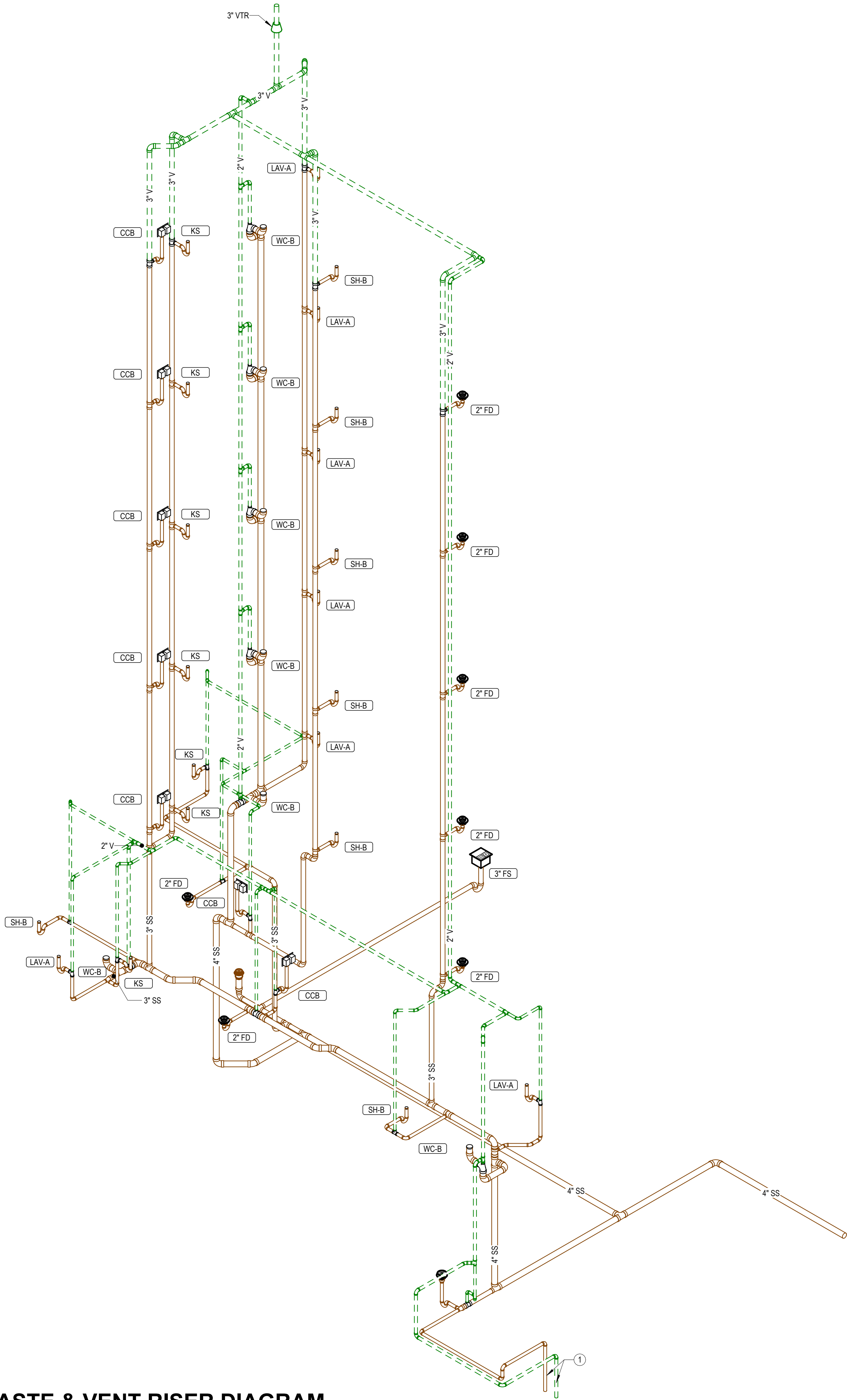


1 **WASTE & VENT RISER DIAGRAM**



2 **WASTE & VENT RISER DIAGRAM**

WASTE & VENT RISER DIAGRAM



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10/24/2025

PLUMBING FIXTURES FLOORS 3 THROUGH 7 TO UTILIZE WASTE STACK VENTING, EXCEPT FOR WATER CLOSETS. WASTE STACK VENT PIPING SHALL BE INSTALLED WITHOUT OFFSETS BETWEEN FLOORS.

NOTES BY SYMBOL

- 1 ROUTE WASTE AND VENT PIPING IN BASEMENT TO SUMP PUMP. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED. SEE DETAIL 4-P6.1 FOR MORE INFORMATION.

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

TEXAS

ABILENE,



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GENERAL ELECTRICAL DEMOLITION NOTES

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

STATE OF TEXAS
TIMOTHY C. TREDWAY
95252
LICENSED
PROFESSIONAL ENGINEER
10-24-2025

E0.1

Electrical Symbol Legend											
Lighting Symbols                      Switch Modifiers: <table> <tr> <td>3: 3-Way</td><td>OS: Occupancy Sensor</td></tr> <tr> <td>4: 4-Way</td><td>VS: Vacancy Sensor</td></tr> <tr> <td>K: Keypad</td><td>CT: Above-Counter</td></tr> <tr> <td>D: Dimming</td><td>LV: Low-Voltage</td></tr> <tr> <td>T: Timer</td><td>M: Motor-Rated</td></tr> </table>    Lighting Tags  Absence of a switch designation on a lighting fixture indicates fixture is controlled by the only switch in the space. An "x" in place of the switch designation indicates unswitched. Switch ID indicated by a lowercase letter. Switch IDs are unique per space. A switch with an ID "a" controls all devices within the space in which it is located tagging with "a". A switch without a tagged ID controls all lighting fixtures within a space. ID tags may be used on control devices other than switches, such as occupancy sensors or controllers. Miscellaneous    	3: 3-Way	OS: Occupancy Sensor	4: 4-Way	VS: Vacancy Sensor	K: Keypad	CT: Above-Counter	D: Dimming	LV: Low-Voltage	T: Timer	M: Motor-Rated	Power Symbols        Receptacle Modifiers: ###: Height AFF (to center) CT: Device Mounted Above Counter Top IG: Isolated Ground H: Device Mounted Horizontally WP: Weatherproof In-Use Cover                    Power Device and Equipment Tags Electrical Device Tags: Uppercase letter(s) indicates Panel ID and circuit number. Lowercase letter indicates designation of controlling switch (where applicable). Equipment Tags: Equipment ID is indicated by an underlined tag adjacent to the equipment. See the equipment connection schedule for description, electrical requirements, and panel and circuit number. Symbols/graphic appearance of equipment varies. Wiring    Power Distribution Equipment     Hatched fill indicates distribution panel or switchboard. Solid fill indicates branch panel or load center. Dashed box indicates code-required clearance (width and depth). Dots indicate front of recessed panel. Devices and fixtures are tagged with Panel and circuit number. For example, a device tagged with "A-1" indicates the device is circuited to panel designated "A," circuit number 1. Telecom Symbols     Outlet Modifiers: ###: Height AFF (to center) CT: Mounted Above Counter Top
3: 3-Way	OS: Occupancy Sensor										
4: 4-Way	VS: Vacancy Sensor										
K: Keypad	CT: Above-Counter										
D: Dimming	LV: Low-Voltage										
T: Timer	M: Motor-Rated										

MOUNTING HEIGHT REQUIREMENTS:
UNLESS SPECIFICALLY INDICATED OTHERWISE, THE FOLLOWING MOUNTING HEIGHTS SHALL APPLY:

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

GENERAL POWER NOTES

A. THE CIRCUITING OF ALL DEVICES HAS BEEN SHOWN ON THE PLANS, AND THE CONTRACTOR SHALL FOLLOW THIS CIRCUITING LAYOUT.

B. VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT WITH THE GENERAL CONTRACTOR AND ASSOCIATED SUBCONTRACTORS. COORDINATE CONDUIT STUB-UP AND POWER CONNECTIONS PRIOR TO COMMENCING ROUGH-IN WORK. ELECTRICAL DEVICES (DISCONNECTS, RECEPTACLES, ETC.) INSTALLED ON EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. FIELD COORDINATE EXACT DEVICE MOUNTING LOCATIONS PRIOR TO INSTALLATION.

C. WALL MOUNTED HVAC CONTROL DEVICES (THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, CO. SENSORS ETC) SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. UNLESS NOTED OTHERWISE ELECTRICAL CONTRACTOR SHALL PROVIDE SINGLE GANG WALL BOX WITH 1/2" CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND PLASTING IN RACEWAY. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS OF DEVICES.

GENERAL TELECOMMUNICATIONS NOTES

A. PROVIDE THE FOLLOWING RACEWAY ROUTE-IN FOR TELECOMMUNICATIONS

OUTLET TYPES INDICATED:

- WALL PHONE OUTLET: 2"x4"x2-1/8" DEEP DEVICE BOX WITH (1) 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING
- PHONE/DATA OUTLET: 4-11/16" SQUARE X 3-1/4" DEEP BOX (RACO #8260 OR EQUAL) WITH 1-GANG DEVICE RING AND 1-1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING
- TV OUTLET: 4-11/16" SQUARE X 3-1/4" DEEP BOX (RACO #8260 OR EQUAL) WITH 2-GANG DEVICE RING AND (1) 1/2" CONDUIT TO ABOVE ACCESSIBLE CEILING

B. PROVIDE NYLON BUSHINGS FOR ALL CONDUITS NOT CONNECTED TO A BOX OR FITTING TO PROTECT CABLEING FROM DAMAGE

C. CONDUITS FROM EACH OUTLET SHALL BE STUBBED 2" ABOVE THE FINISHED CEILING IN AREAS WITH CEILING SPRINKLERS, IN AREAS WITH OPEN CEILINGS, STUB CONDUIT INTO STRUCTURAL JOIST SPACE

D. PROVIDE BLANK, STAINLESS STEEL COVER PLATES FOR ALL OUTLETS NOT ACTIVATED BY OWNER

E. PROVIDE SUITABLE RULL STRING IN ALL CONDUTS

F. TELECOMMUNICATIONS AND AV CABLEING, JACKS, CONNECTORS, TERMINATIONS, EQUIPMENT AND TESTING SHALL BE PROVIDED BY OWNER

GENERAL FIRE ALARM NOTES

- A. FIRE ALARM CABLEING SHALL BE INSTALLED IN CONDUIT WHERE EXPOSED, INACCESSIBLE, AND WHERE SUBJECT TO PHYSICAL DAMAGE.
- B. DUCT TYPE SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY FIRE ALARM CONTRACTOR. INSTALLED IN ACCORD WITH MECHANICAL CONTRACTOR.
- C. FIRE ALARM SYSTEM HVAC SHALL RUN DOWN RELAYS SHALL BE PROVIDED AND WIRED TO FIRE ALARM CONTROL PANEL BY FIRE ALARM CONTRACTOR. LOCATE RELAYS WITHIN 5' OF HVAC EQUIPMENT AND PROVIDE CONDUIT WITH PULL STRING FROM RELAY TO EQUIPMENT. UNIT SHUT DOWN CONTROL WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
- D. AT LOCATION OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS, PROVIDE DUCT OR AREA SMOKE DETECTOR (AS SHOWN ON PLANS) WITHIN 5' OF DAMPER AND WIRE TO FIRE ALARM CONTROL PANEL. PROVIDE FIRE ALARM RELAY TO CONTROL OF DAMPER, WIRE DAMPER TO DAMPER ACTUATOR. DAMPER SHALL CLOSE UPON DETECTION OF SMOKE.
- E. IN ADDITION TO VALVES INSTALLED BY FIRE SPRINKLER SYSTEM RISER, ALL VALVES INSTALLED OUTSIDE THE BUILDING (POST INDICATOR VALVE, TAPPING GLEEVE VALVE, ETC.) SHALL BE SUPERVISED BY THE FIRE ALARM SYSTEM. PROVIDE ADDRESSABLE MONITORING MODULE AND SURGE PROTECTION DEVICE (DITEK #DTK-2MHLP48B) FOR EACH MONITORED VALVE. COORDINATE WITH GC AND SITE SUPERVISOR FOR VALVE LOCATION. VALVES INSTALLED OUTSIDE BUILDING IS NOT REQUIRED FOR VALVES INSTALLED IN ROADWAY BOXES BY THE MUNICIPALITY PUBLIC UTILITY.



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

1. PROVIDE CEILING MOUNTED RECEPTACLE FOR DEHUMIDIFIER CORD AND PLUG CONNECTION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT PROVIDED BY OTHERS.
2. INSTALL RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
3. PROVIDE FINAL CONNECTION TO BASEMENT SUMP PUMP, BY OTHERS.

5

HISTORIC REHABILITATION - APARTMENTS

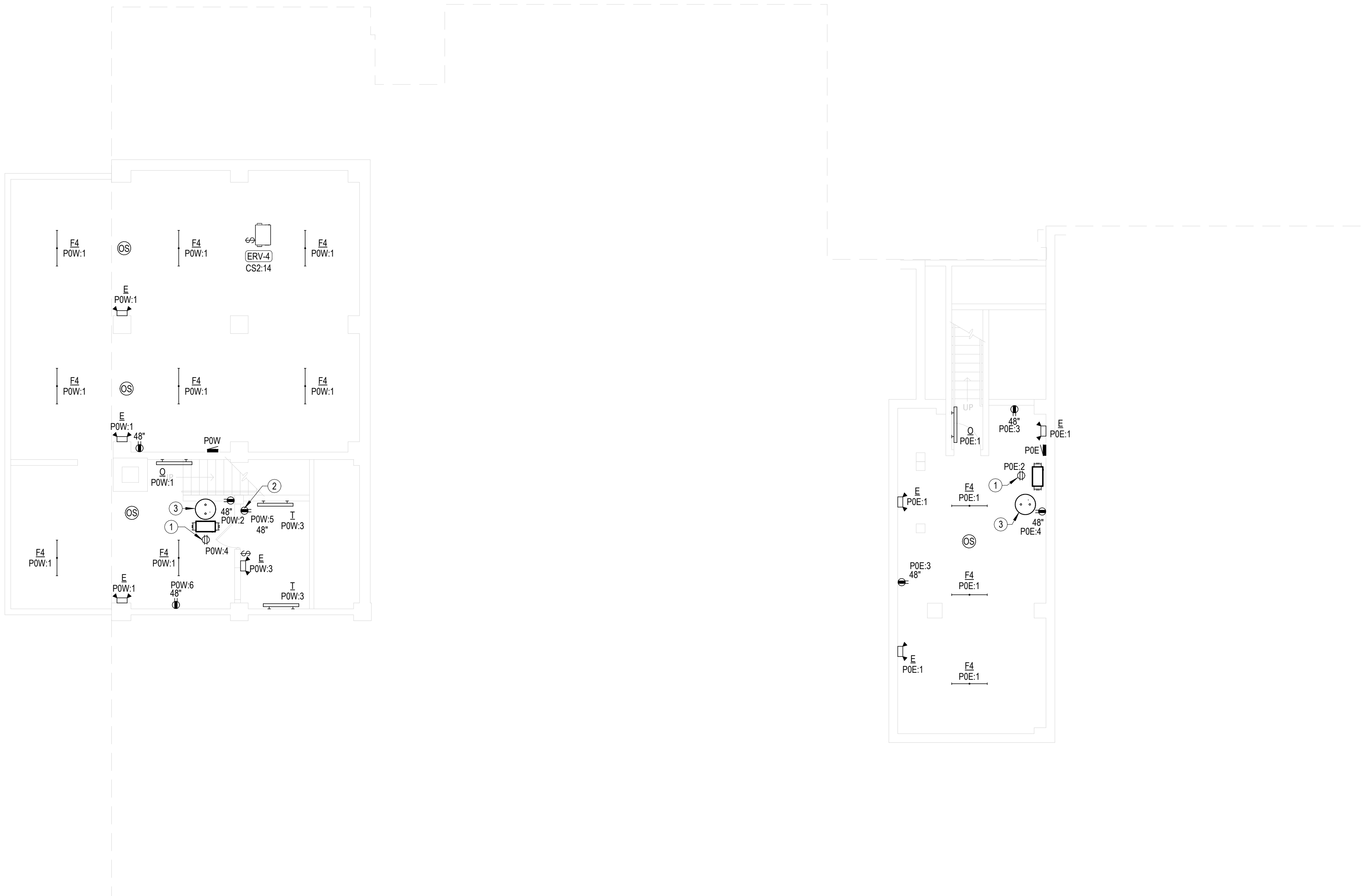
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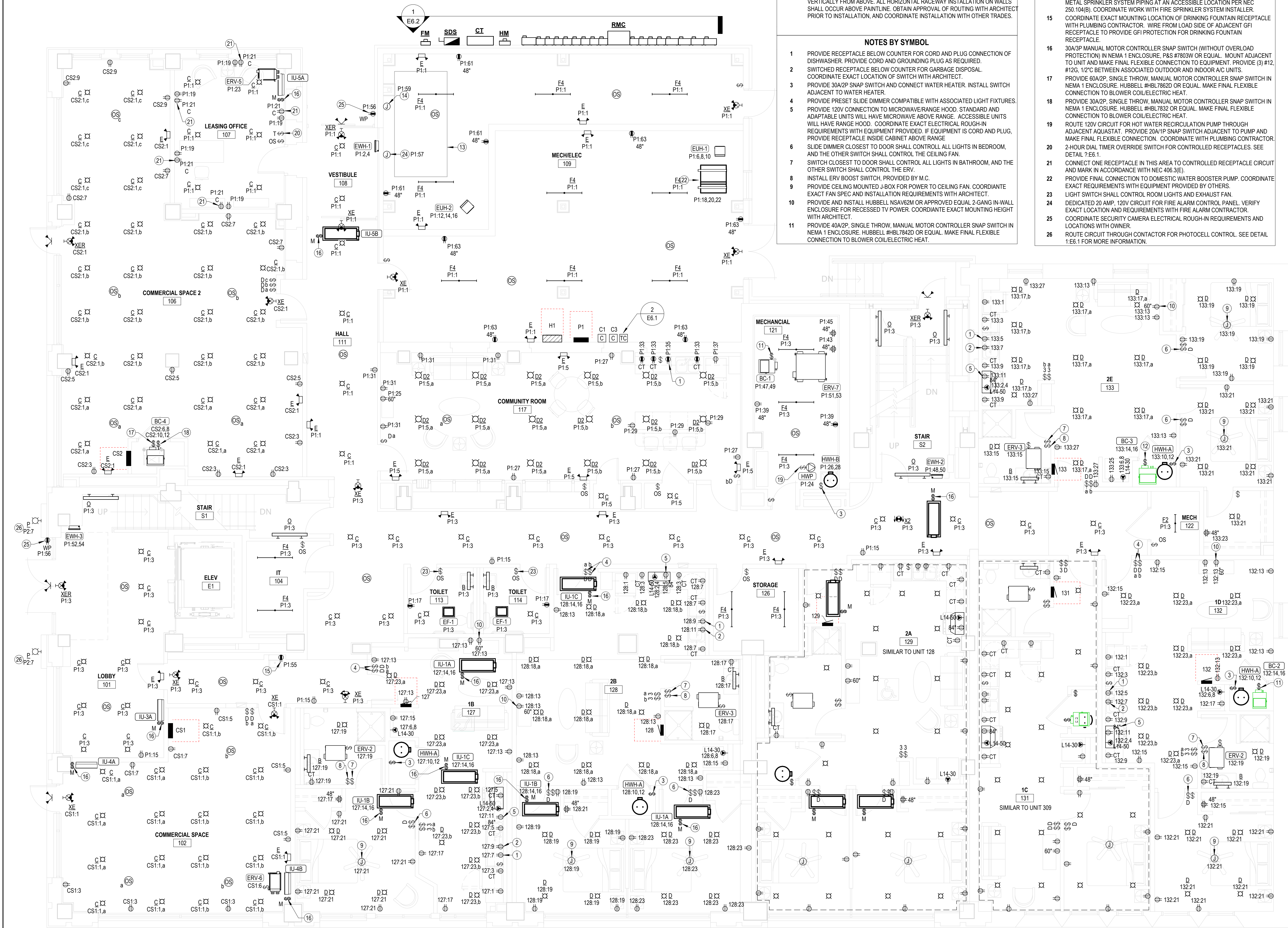
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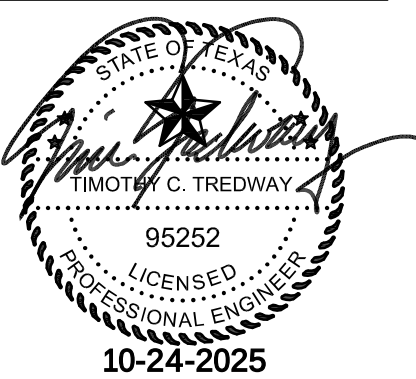


1 BASEMENT FLOOR ELECTRICAL PLAN

$$1/8'' = 1'-0''$$

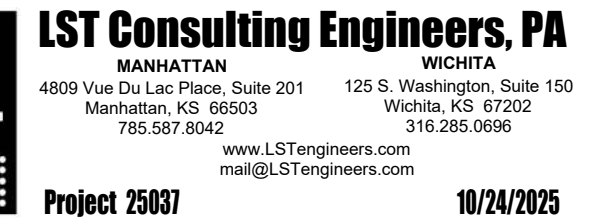


1 **FIRST FLOOR ELECTRICAL POWER PLAN**
3/16" = 1'-0"



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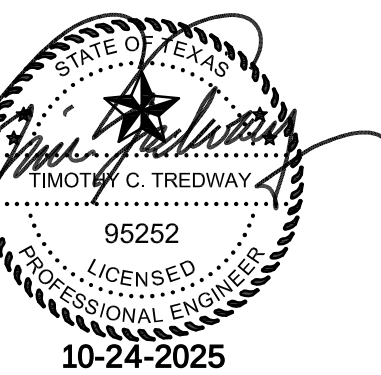
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HISTORIC REHABILITATION - APARTMENTS

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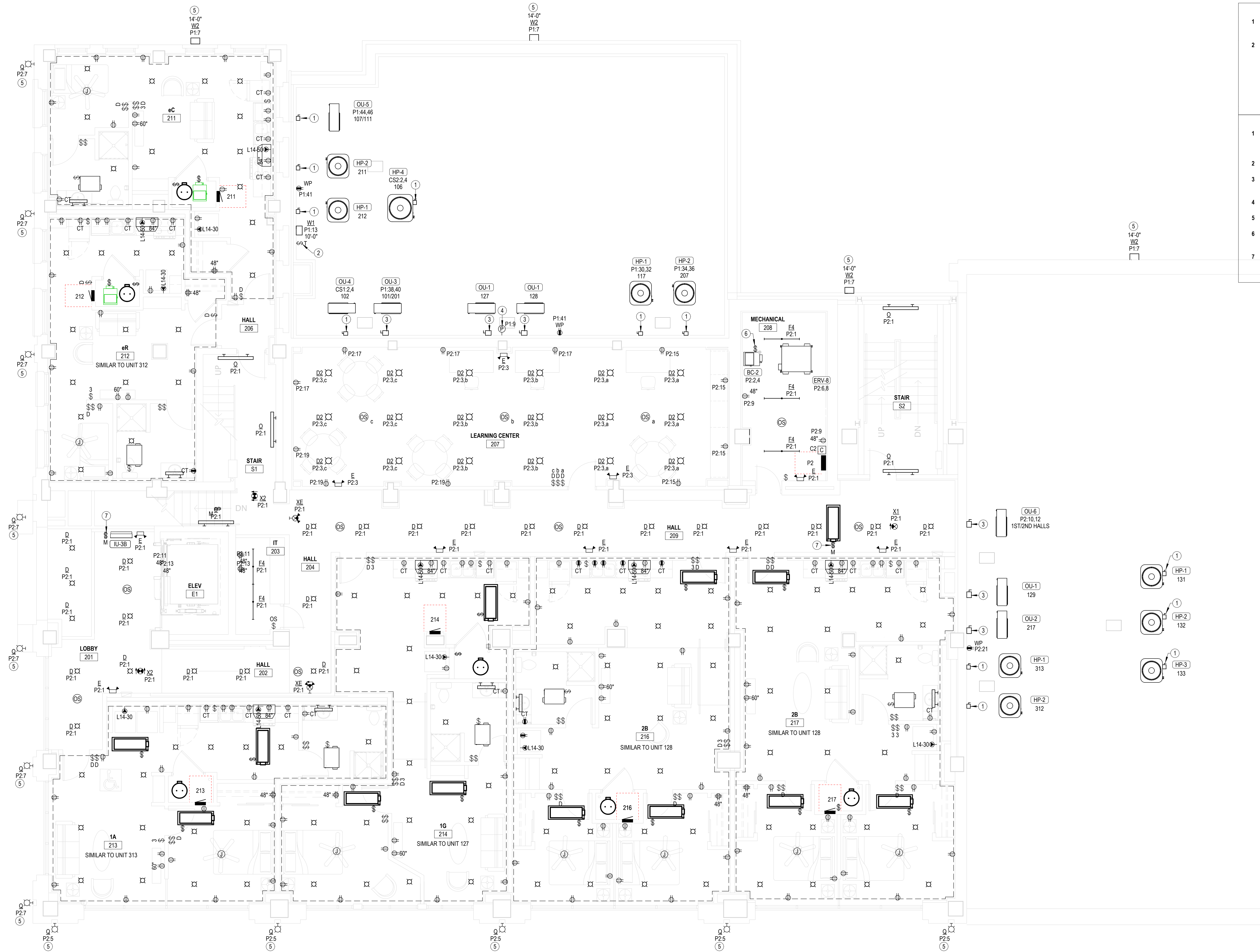


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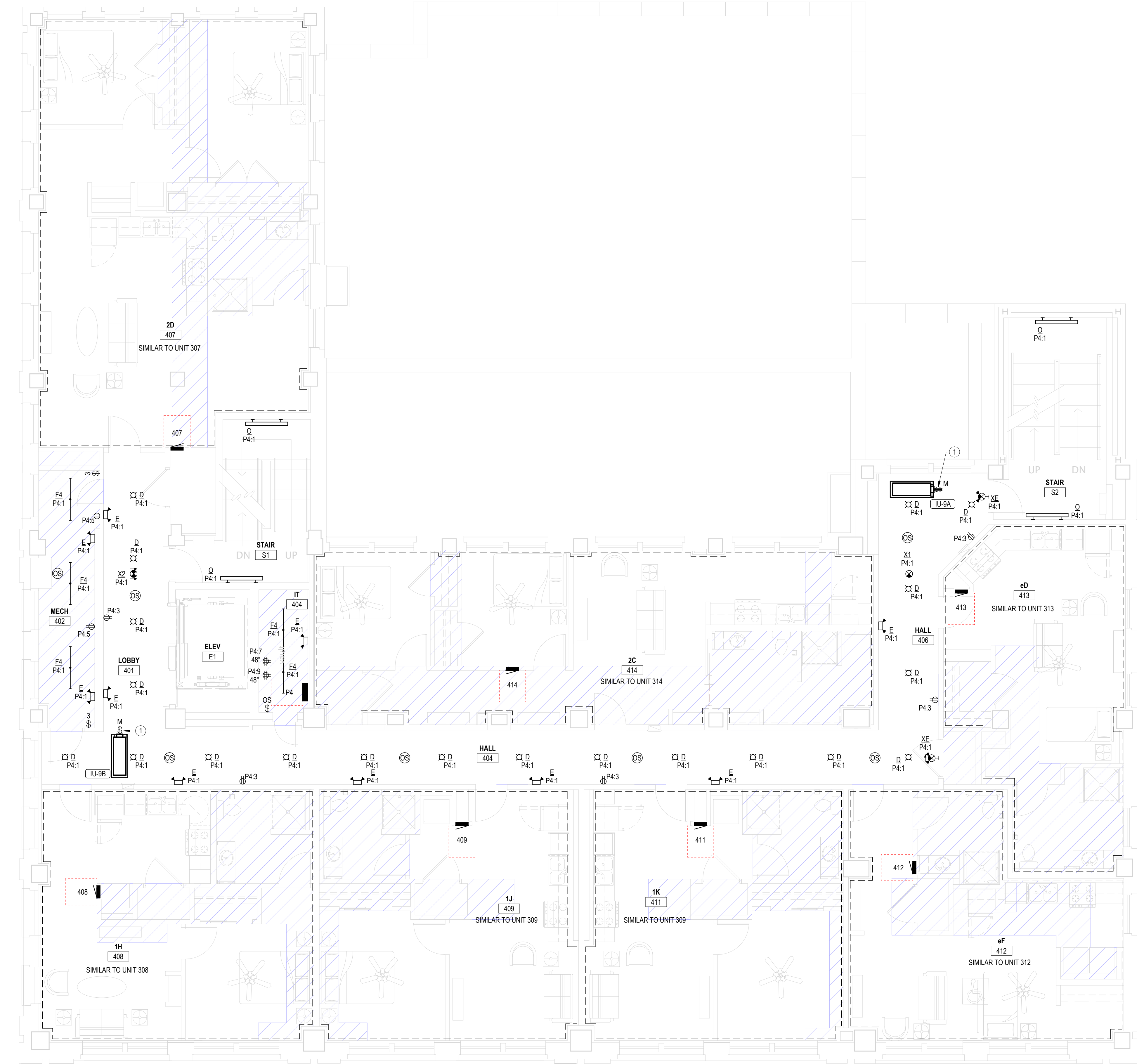


- 1 COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- 2 AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY. GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF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

- 1 PROVIDE 30A/2-POL. NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE AND MAKE FINAL CONNECTION TO EQUIPMENT IN LFMC RACEWAY. MOUNT TO UNISTRUT FRAME SUPPORTED FROM EQUIPMENT SUPPORT RAILS. TYPICAL UNLESS NOTED OTHERWISE.
- 2 PROVIDE 24 HOUR TIMER SWITCH IN WEATHERPROOF ENCLOSURE FOR CONTROL OF ROOFTOP LIGHTS.
- 3 PROVIDE 60A/2-POL. NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE AND MAKE FINAL CONNECTION TO EQUIPMENT IN LFMC RACEWAY. MOUNT TO UNISTRUT FRAME SUPPORTED FROM EQUIPMENT SUPPORT RAILS.
- 4 PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS SEE DETAIL 1.E6.1 FOR MORE INFORMATION.
- 5 ROUTE CIRCUIT THROUGH CONTACTOR FOR PHOTOCELL CONTROL. SEE DETAIL 1.E6.1 FOR MORE INFORMATION.
- 6 PROVIDE 40A/2P, SINGLE THROW, MANUAL MOTOR CONTROLLER SNAP SWITCH IN NEMA ENCLOSURE. HIGH SPEED OR EQUAL. MAKE FINAL FLEXIBLE CONNECTION TO BLOWER COIL/ELECTRIC HEAT.
- 7 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #8730B OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT. PROVIDE (3) #12, #12G, 1/2" C/B BETWEEN ASSOCIATED OUTDOOR AND INDOOR A/C UNITS.

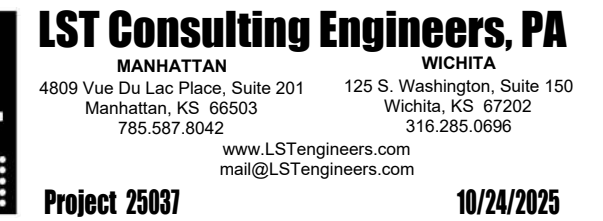
1 SECOND FLOOR ELECTRICAL PLAN

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



1 **FOURTH FLOOR ELECTRICAL PLAN**
3/16" = 1'-0"

- GENERAL ELECTRICAL NOTES**
- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS. MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
 - AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY, GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITRY SHALL BE ROUTED OVERHEAD TO FULLEST EXTENT POSSIBLE, WITH WIRING TO INDIVIDUAL DEVICES ON EXISTING BRICK WALLS INSTALLED VERTICALLY FROM ABOVE. ALL HORIZONTAL RACEWAY INSTALLATION ON WALLS SHALL OCCUR ABOVE PAINTLINE. OBTAIN APPROVAL OF ROUTING WITH ARCHITECT PRIOR TO INSTALLATION, AND COORDINATE INSTALLATION WITH OTHER TRADES.
- NOTES BY SYMBOL**
- 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT. PROVIDE (3) #12, #12G, 1/2" BETWEEN ASSOCIATED OUTDOOR AND INDOOR A/C UNITS.



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

1 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT. PROVIDE (3) #12, #12G, 1/2" C BETWEEN ASSOCIATED OUTDOOR AND INDOOR A/C UNITS.

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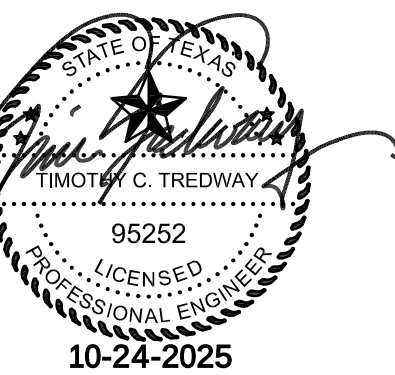
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HISTORIC REHABILITATION - APARTMENTS

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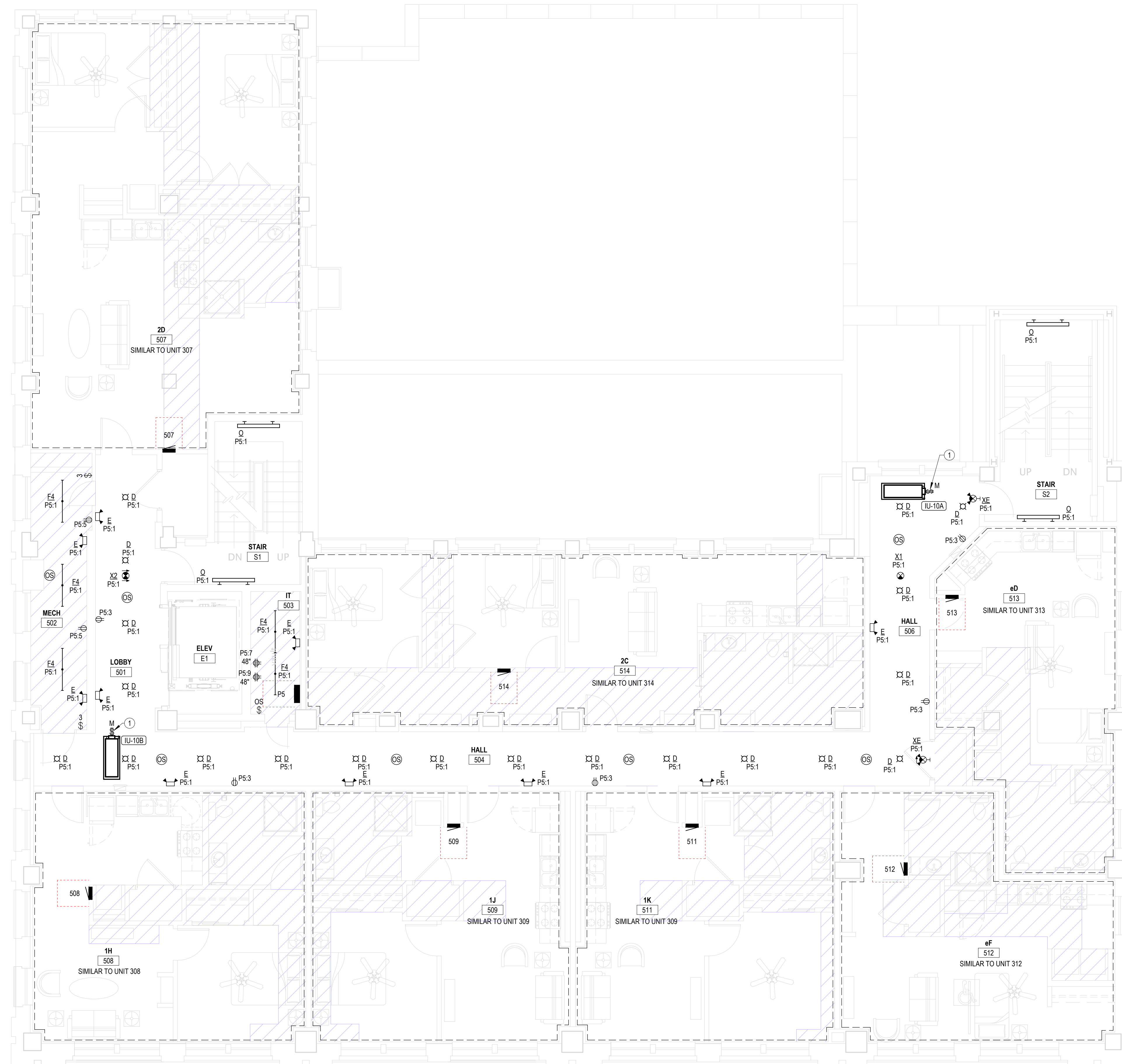
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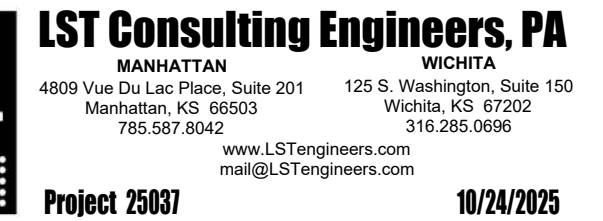
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1 FIFTH FLOOR ELECTRICAL PLAN

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



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

1 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH (WITHOUT OVERLOAD PROTECTION) IN NEMA 1 ENCLOSURE, P&S #7803W OR EQUAL. MOUNT ADJACENT TO UNIT AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT. PROVIDE (3) #12, #12G, 1/2" C BETWEEN ASSOCIATED OUTDOOR AND INDOOR A/C UNITS.

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

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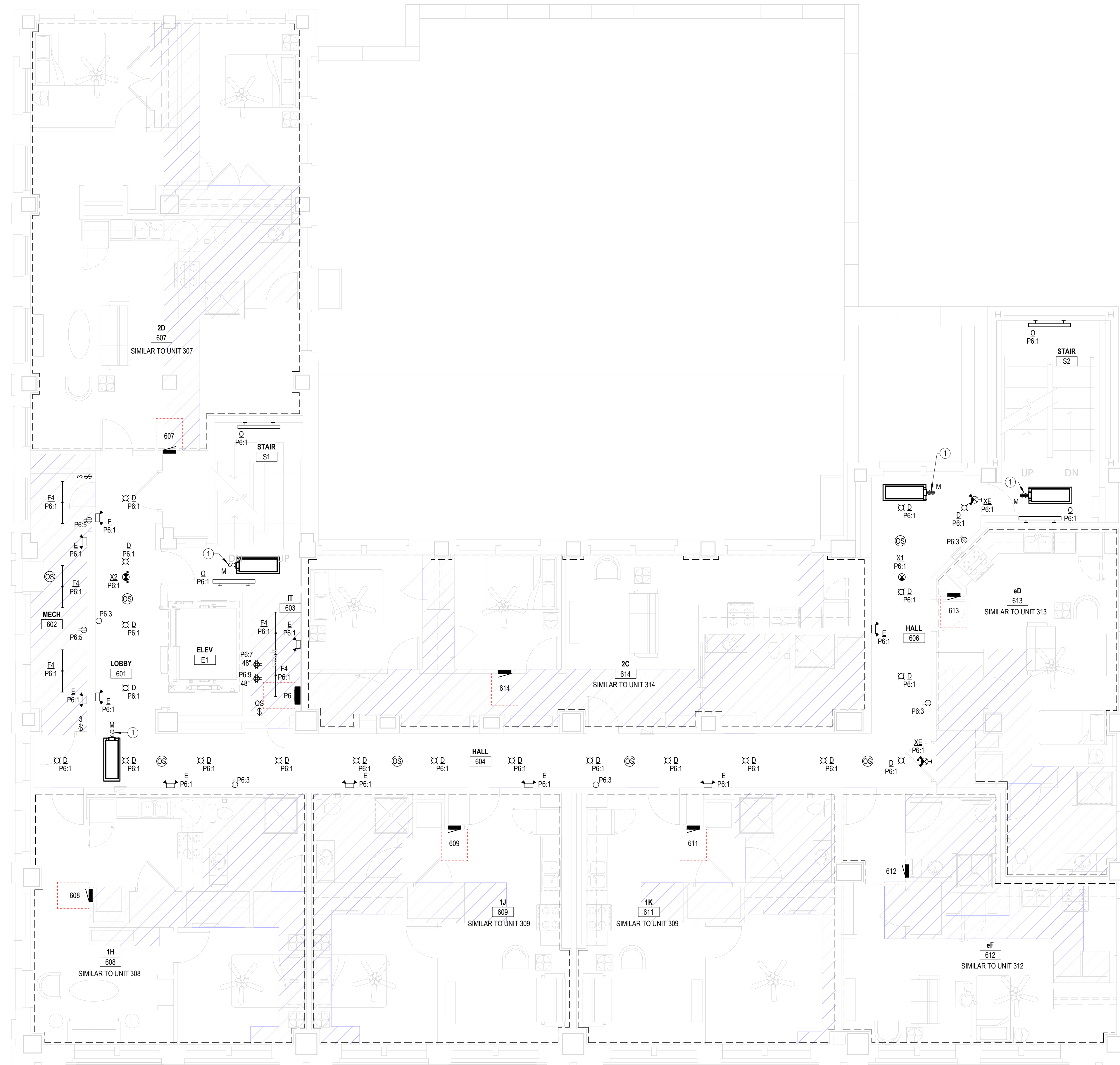


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1 SIXTH FLOOR ELECTRICAL PLAN

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



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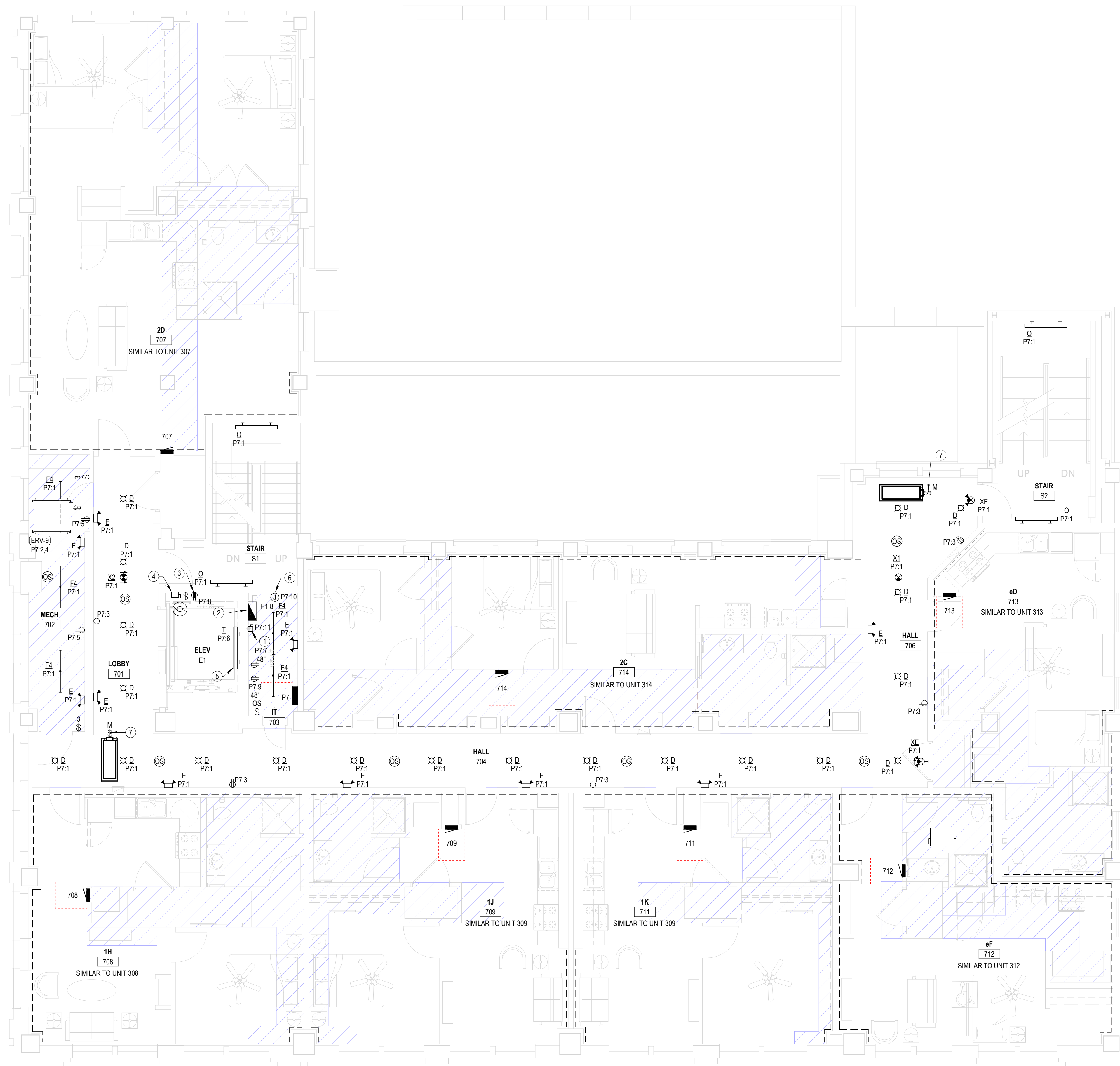
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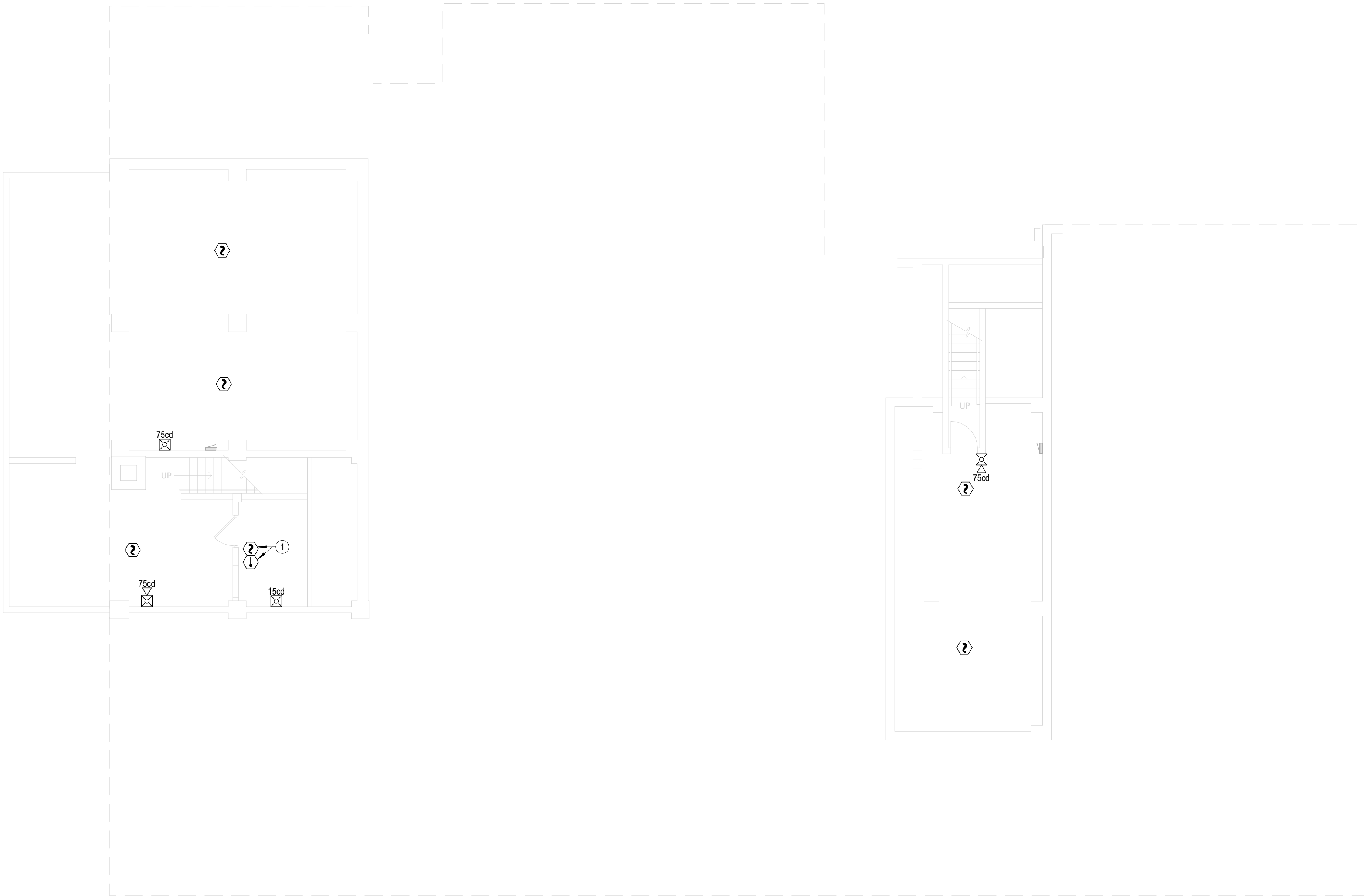


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$$3/16'' = 1'-0''$$

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

- 1 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" OF 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.
- 2 ELEVATOR POWER MODULE SWITCH: 400A/208V/3 SWITCH COMPLETE WITH 225A DUAL ELEMENT, TIME DELAY CLASS 'J' SWITCH, 120V/CONTROL TRANSFORMER, FIRE ALARM SAFETY INTERFACE RELAY, KEY TEST CIRCUIT, GREEN PULSED LIGHT, AUTOMATIC CONTACTOR, 120V/24VDC, 10A RECALL AND FIRE ALARM TAGS, MONITORING RELAY. EATON BUSSMAN-SPS-4720-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.
- 3 INSTALL RECEPTACLE ON WALL OF ELEVATOR HOISTWAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
- 4 60A/3P NON-FUSED DISCONNECT SWITCH. PROVIDE WITH SPST AUXILIARY CONTACTS RATED FOR MIN. 2A AT 24VDC. MAKE FINAL CONNECTION TO ELEVATOR FUSE BOX. COORDINATE REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER.
- 5 INSTALL LUMINAIRE ON WALL OF ELEVATOR HOISTWAY. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
- 6 PROVIDE POWER FOR ELEVATOR SHUNT TRIP CONTROL. SEE 3.6.1 FOR MORE INFORMATION.
- 7 30A/3P MANUAL MOTOR CONTROLLER SNAP SWITCH WITHOUT OVERLOAD PROTECTION IN NEMA 1 ENCLOSURE, PHS #78930R OR EQUAL. MOUNT ADJACENT TO MAIN AND MAKE FINAL FLEXIBLE CONNECTION TO EQUIPMENT. PROVIDE (3) #12, #12IG, 1/2" CONNECTED ASSOCIATED OUTDOOR AND INDOOR A/C UNITS.



1

BASEMENT FLOOR SPECIAL SYSTEMS PLAN

1/8" = 1'-0"



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Project 25037
10/24/2025

GENERAL ELECTRICAL NOTES

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

NOTES BY SYMBOL

- 1 SMOKE DETECTOR AND HEAT DETECTOR IN ELEVATOR PIT FOR RECALL AND SHUT-DOWN. SEE DETAIL 1, SHEET E6.1.

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

TEXAS

ABILENE,



REVISIONS:

DATE: 10/24/2025

JOB: 24-3483

SHEET NO.:

E2.0

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- NOTES BY SYMBOL
- 1

TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER.
- 2

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.
- 3

PROVIDE DOOR ANNUNCIATOR SYSTEM AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 8'0" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. SEE DETAIL 2.E6.1. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR"
- 4

PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL #, SHEET E6.#.
- 5

FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'0" AFF.
- 6

COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER.
- 7

CEILING MOUNTED SMOKE ALARM IN APARTMENTS OTHER THAN ADA AND HEARING IMPAIRED. TO BE 120VAC WITH 9V BATTERY BACKUP, INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE SHALL HAVE PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85 dB OUTPUT AT 10', SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED, BRK#SC701BL OR EQUAL
- 8

FIRE ALARM SMOKE DETECTOR.
- 9

TELECOMMUNICATIONS GROUND BAR, REFERENCE ?5.E6.1 FOR MORE INFORMATION.
- 10

COVER WALL WITH 4'x8'x3/4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
- 11

ROUTE DATA CABLES IN 3/4" CONDUIT FROM UNIT TELECOM DISTRIBUTION DEVICE OVERHEAD TO IT ROOM ON THIS FLOOR AS SHOWN. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
- 12

(2) 2" CONDUITS FOR COMMUNICATIONS SERVICES. ROUTE BELOW GRADE AND TERMINATE AT UTILITY EASEMENT. PROVIDE PULL STRING IN EACH RACEWAY. SEE SITE PLAN FOR CONTINUATION.
- 13

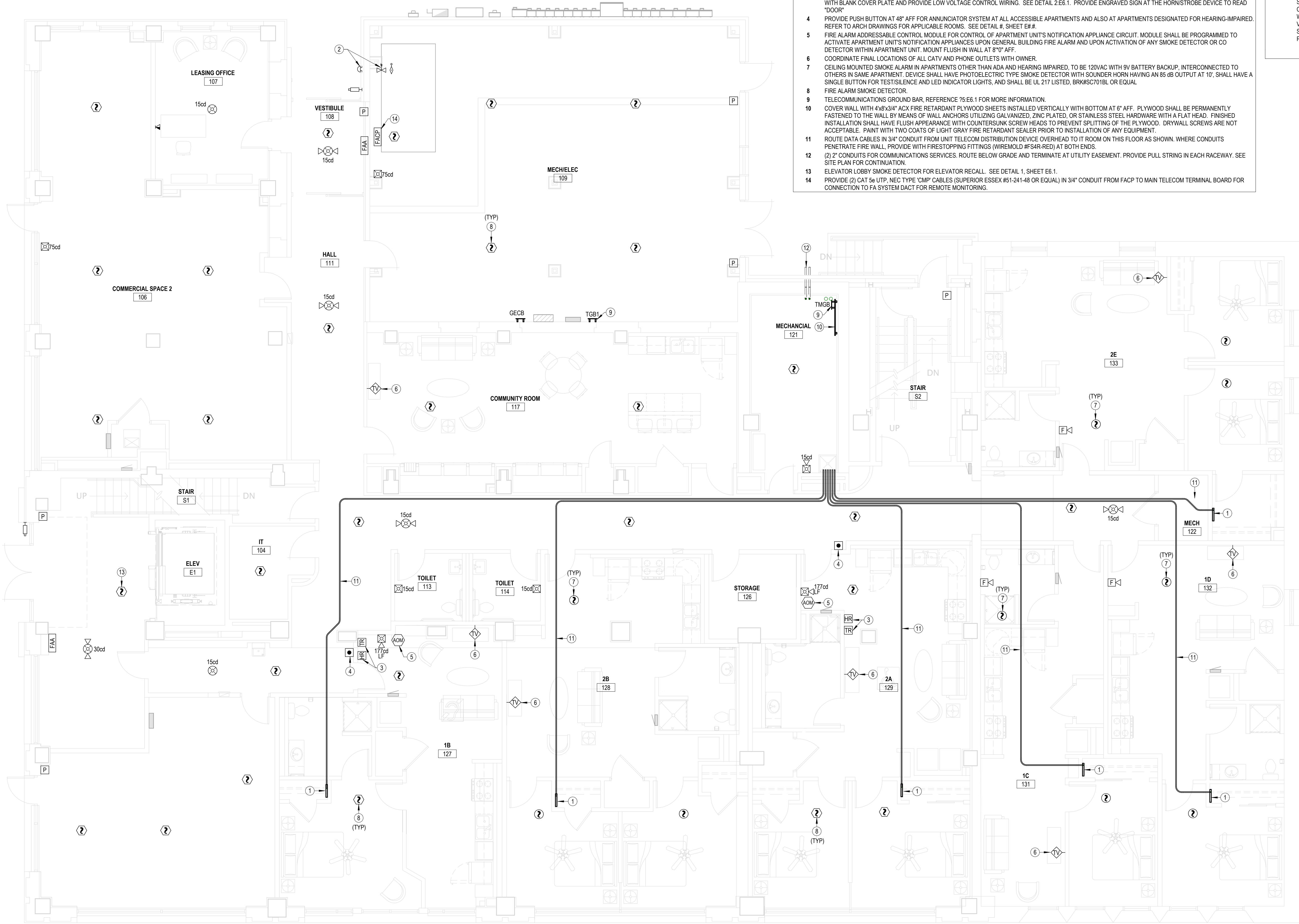
ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 1, SHEET E6.1.
- 14

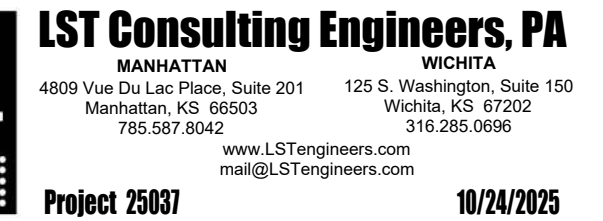
PROVIDE (2) CAT 5e UTP, NEC TYPE "CMP" CABLES (SUPERIOR ESSEX #51-241-48 OR EQUAL) IN 3/4" CONDUIT FROM FACP TO MAIN TELECOM TERMINAL BOARD FOR CONNECTION TO FA SYSTEM DACT FOR REMOTE MONITORING.

- GENERAL ELECTRICAL NOTES
- 1

COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS, MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- 2

AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY, GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITRY SHALL BE ROUTED OVERHEAD TO FULLEST EXTENT POSSIBLE, WITH WIRING TO INDIVIDUAL DEVICES ON EXISTING BRICK WALLS INSTALLED VERTICALLY FROM ABOVE. ALL HORIZONTAL RACEWAY INSTALLATION ON WALLS SHALL OCCUR ABOVE PAINTLINE. OBTAIN APPROVAL OF ROUTING WITH ARCHITECT PRIOR TO INSTALLATION, AND COORDINATE INSTALLATION WITH OTHER TRADES.





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DOB:	24-3
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$$3/16'' = 1'-0''$$

- 1 TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER.
- 2 COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER.
- 3 CEILING MOUNTED SMOKE ALARM IN APARTMENTS OTHER THAN ADA AND HEARING IMPAIRED. TO BE 120VAC WITH 9V BATTERY BACKUP. INTERCONNECTED TO FIRE ALARM CONTROL DEVICE. SHALL HAVE PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85 db OUTPUT AT 10' . SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED. BRK#5C70101R OR EQUAL.
- 4 PROVIDE DOOR ANNUNCIATOR SYSTEM AV4 HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 80" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CABLE WIRING. SEE DETAIL 2.6. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
- 5 FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNITS NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNITS NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8"0" AFF.
- 6 PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL #, SHEET ##.#.
- 7 FIRE ALARM SMOKE DETECTOR
- 8 ROUTE DATA CABLES IN 1/2" CONDUIT FROM UNIT TELECOM DISTRIBUTION DEVICE OVERHEAD TO IT ROOM ON THIS FLOOR AS SHOWN. PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #54R-RED) AT BOTH ENDS.
- 9 TELECOMMUNICATIONS GROUND BAR, REFERENCE 756E1 FOR MORE INFORMATION.
- 10 COVER WALL WITH 1/4"x3/4"x3" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 4" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLINTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
- 11 4" EMT CONDUIT SLEEPS THROUGH FLOOR FOR COMMUNICATIONS CABLEING. PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #54R-RED) AT BOTH ENDS.
- 12 ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 1, SHEET E6.1.
- 13 ROUTE COMMUNICATIONS SERVICES IN 1/2" CONDUITS FROM MECHANICAL ROOM TO IT ROOM AS SHOWN. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #54R-RED) AT BOTH ENDS.

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



1 **THIRD FLOOR SPECIAL SYSTEMS PLAN**
3/16" = 1'-0"

GENERAL ELECTRICAL NOTES

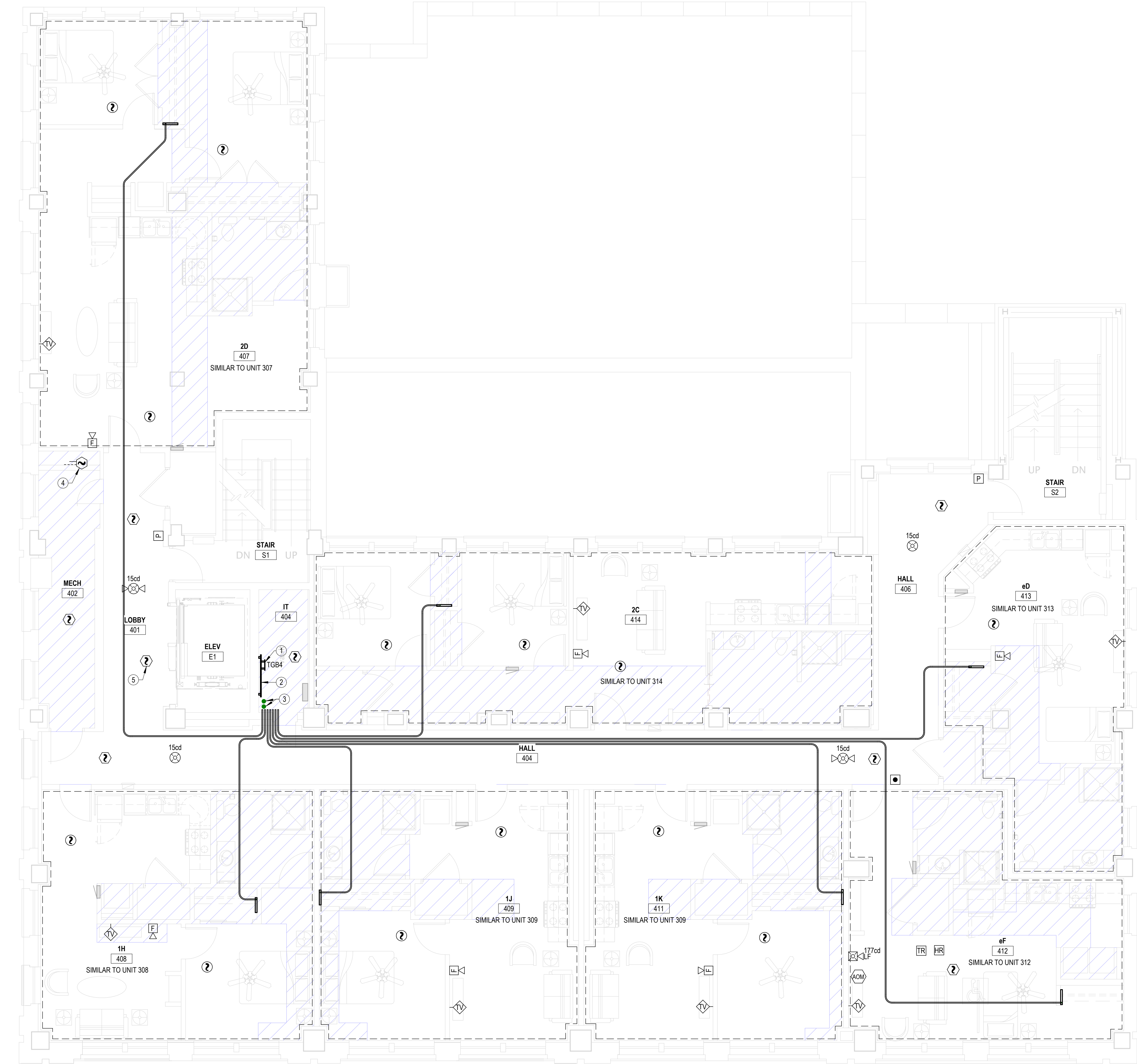
- COORDINATE PENETRATIONS OF CONCRETE SLABS WITH STRUCTURAL ENGINEER PRIOR TO CREATION OF FLOOR PENETRATIONS. MODIFY LOCATIONS AS RECOMMENDED BY STRUCTURAL ENGINEER.
- AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY. GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE.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

NOTES BY SYMBOL

- TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. COORDINATE EXACT REQUIREMENTS WITH UTILITY PROVIDER SELECTED BY OWNER.
- COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER.
- ROUTE DATA CABLES IN 3/4" CONDUIT FROM UNIT TELECOM DISTRIBUTION DEVICE OVERHEAD TO IT ROOM ON THIS FLOOR AS SHOWN. WHERE CONDUITS PENETRATE FIRE WALL, PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
- CEILING MOUNTED SMOKE ALARM IN APARTMENTS OTHER THAN ADA AND HEARING IMPAIRED. TO BE 120VAC WITH 9V BATTERY BACKUP. INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE SHALL HAVE PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85 dB OUTPUT AT 10'. SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED, BRK#SC701BL OR EQUAL.
- FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNITS NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNITS 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.
- PROVIDE DOOR ANNUNCIATOR SYSTEM AV HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED HEARING-IMPAIRED. INSTALL HORN/STROBE APPLIANCE AT 8'-0" AFF. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. SEE DETAIL 2.E6.1. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
- FIRE ALARM SMOKE DETECTOR.
- PROVIDE PUSH BUTTON AT 48" AFF FOR ANNUNCIATOR SYSTEM AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. SEE DETAIL #, SHEET E#.#.
- TELECOMMUNICATIONS GROUND BAR, REFERENCE 75.E6.1 FOR MORE INFORMATION.
- COVER WALL WITH 4'-8"x3'-4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
- (2) 4" EMT CONDUIT SLEEVES THROUGH FLOOR FOR COMMUNICATIONS CABLING. PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
- ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 1, SHEET E6.1.
- AIR DUCT SMOKE DETECTORS FOR HVAC EQUIPMENT FURNISHED AND WIRED TO FAAP BY FIRE ALARM CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. PROVIDE ADDRESSABLE FIRE ALARM RELAY WITHIN 5' OF EQUIPMENT FOR SHUT-DOWN OF HVAC UNIT UPON DETECTION OF SMOKE.



REVISIONS:	
DATE:	10/24/2025
JOB:	24-3483
SHEET NO.:	



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Wichita, KS 67202
316.285.0696

Project 25037 **10/24/2025**

GENERAL ELECTRICAL NOTES

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

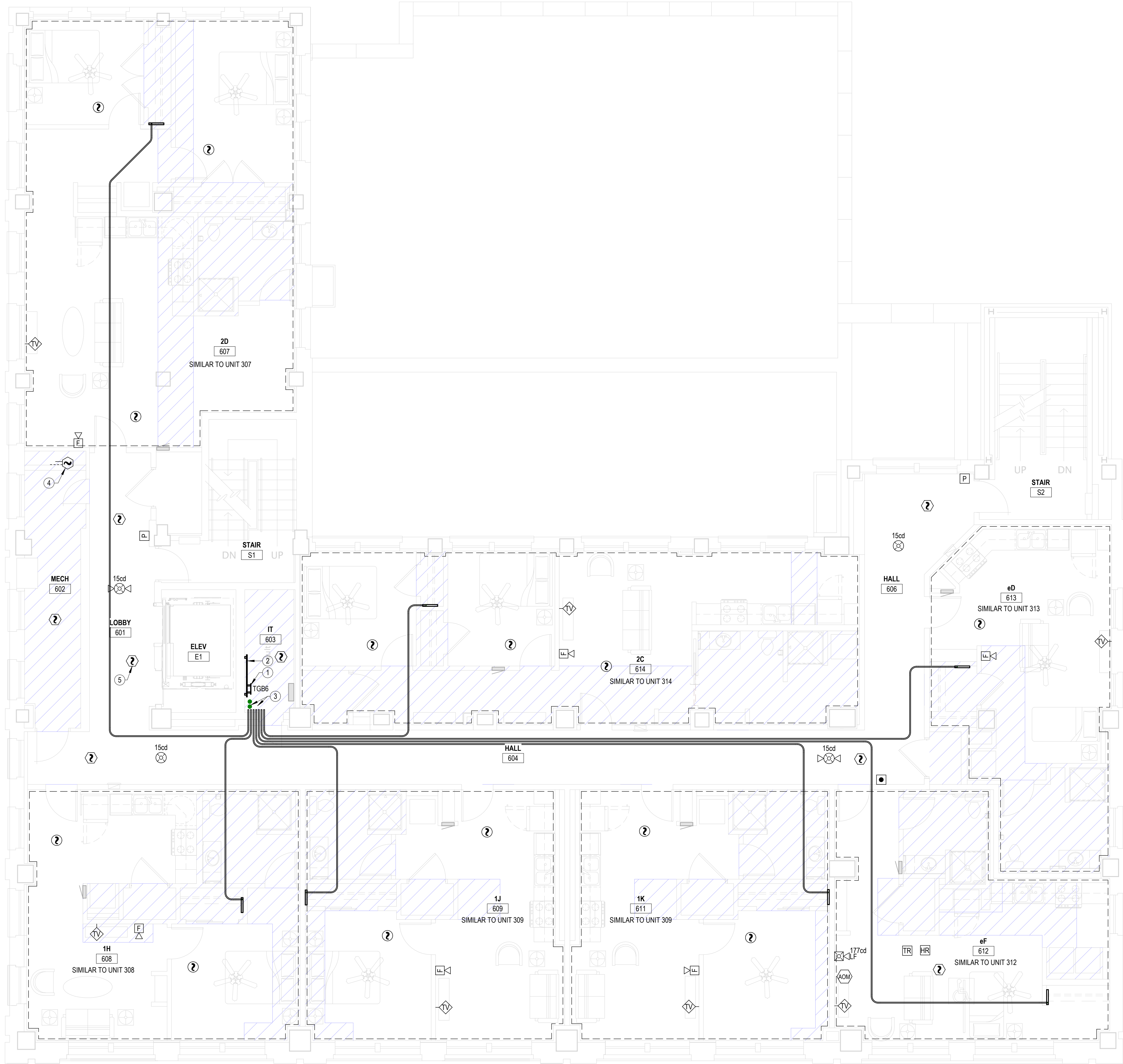
NOTES BY SYMBOL

- 1 TELECOMMUNICATIONS GROUND BAR, REFERENCE 75 E6.1 FOR MORE INFORMATION.
- 2 COVER WALL WITH 4"x8"x3/4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
- 3 (2) 4" EMT CONDUIT SLEEVES THROUGH FLOOR FOR COMMUNICATIONS CABLING. PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
- 4 AIR DUCT SMOKE DETECTORS FOR HVAC EQUIPMENT FURNISHED AND WIRED TO FACP BY FIRE ALARM CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. PROVIDE ADDRESSABLE FIRE ALARM RELAY WITHIN 5' OF EQUIPMENT FOR SHUT-DOWN OF HVAC UNIT UPON DETECTION OF SMOKE.
- 5 ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 1, SHEET E6.1.



REVISIONS:

DATE: 10/24/2025
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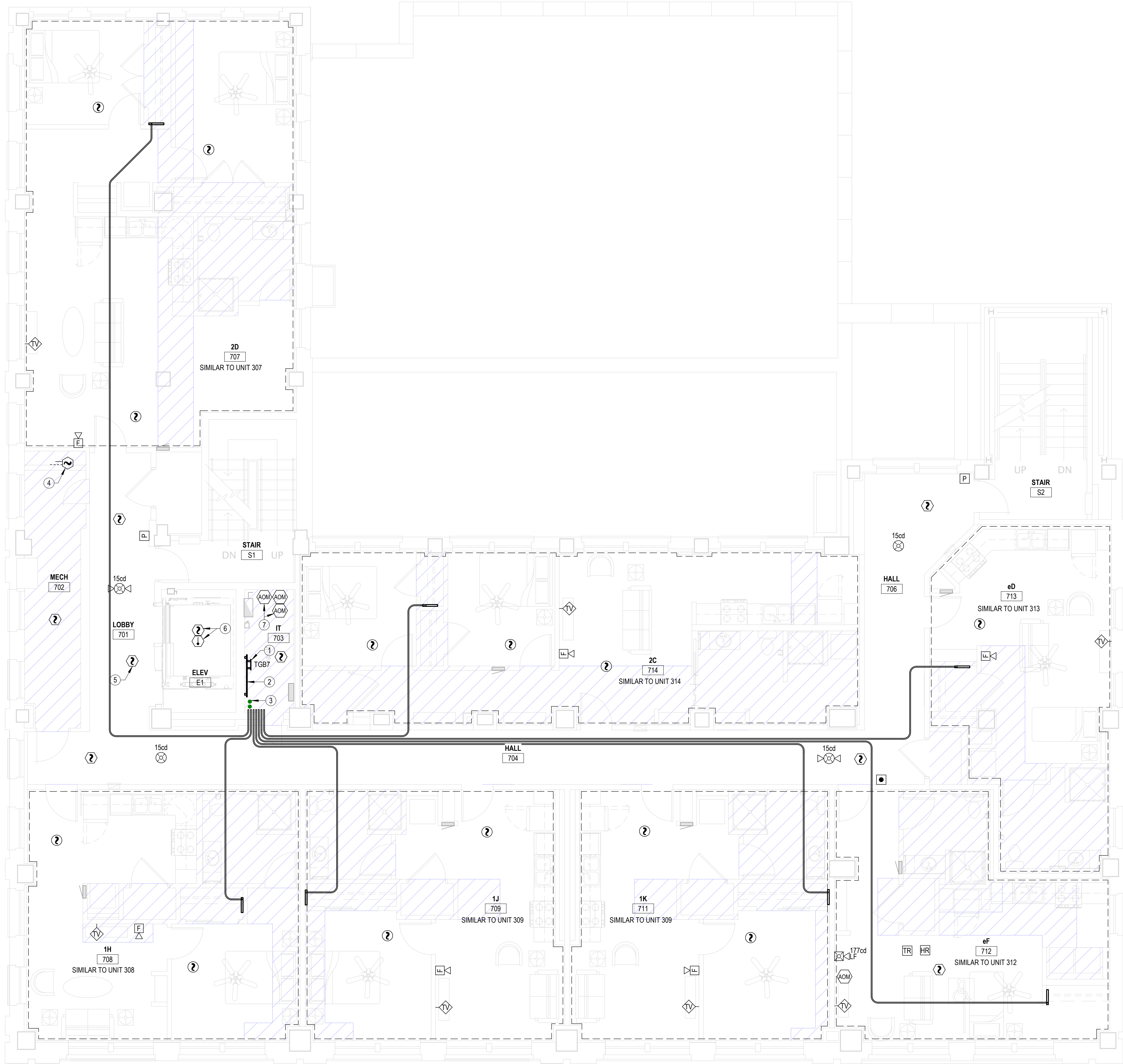


GENERAL ELECTRICAL NOTES

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- AT ALL AREAS WHERE EXPOSED, CIRCUITRY SHALL BE INSTALLED IN EMT RACEWAY. GROUP CONDUITS TOGETHER AND ROUTE NEATLY AT UNDERSIDE OF STRUCTURE, PARALLEL AND PERPENDICULAR TO BUILDING SURFACES. BRANCH CIRCUITRY SHALL BE ROUTED OVERHEAD TO FULLEST EXTENT POSSIBLE, WITH WIRING TO INDIVIDUAL DEVICES ON EXISTING BRICK WALLS INSTALLED VERTICALLY FROM ABOVE. ALL HORIZONTAL RACEWAY INSTALLATION ON WALLS SHALL OCCUR ABOVE PAINTLINE. OBTAIN APPROVAL OF ROUTING WITH ARCHITECT PRIOR TO INSTALLATION, AND COORDINATE INSTALLATION WITH OTHER TRADES.

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- TELECOMMUNICATIONS GROUND BAR, REFERENCE 75 E6.1 FOR MORE INFORMATION.
- COVER WALL WITH 4"x8"x3/4" ACX FIRE RETARDANT PLYWOOD SHEETS INSTALLED VERTICALLY WITH BOTTOM AT 6" AFF. PLYWOOD SHALL BE PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. FINISHED INSTALLATION SHALL HAVE FLUSH APPEARANCE WITH COUNTERSUNK SCREW HEADS TO PREVENT SPLITTING OF THE PLYWOOD. DRYWALL SCREWS ARE NOT ACCEPTABLE. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
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- ELEVATOR LOBBY SMOKE DETECTOR FOR ELEVATOR RECALL. SEE DETAIL 1, SHEET E6.1.
- SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR HOISTWAY FOR RECALL AND SHUT-DOWN. SEE DETAIL 1, SHEET E6.1.
- 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.



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

GENERAL:	• ALL LEDS SHALL BE 4000K CORRELATED COLOR TEMPERATURE, MINIMUM 80 CRI. • ALL LED FIXTURES SHALL ADHERE TO LM79 AND LM80 STANDARDS. • PROVIDE MANUFACTURERS' FLANGE KIT WHERE LAY-IN FIXTURES ARE TO BE INSTALLED IN GYP.
NOTES:	1. PROVIDE FIXTURE WITH INTEGRAL EMERGENCY BATTERY AND CHARGER WITH SELF-DIAGNOSTIC/SELF-TESTING ELECTRONICS. 2. FIXTURE SHALL BE CAPABLE OF WALL OR CEILING MOUNT APPLICATIONS AND SHALL HAVE BREAK-OUT DIRECTIONAL CHEVRONS. 3. PROVIDE FIXTURE WITH INTEGRAL OCCUPANCY SENSOR AND CONTROLS TO DIM FIXTURE TO 50% LIGHT OUTPUT WHEN UNOCCUPIED. 4. LIGHT FIXTURE SELECTED BY INTERIOR DESIGNER AND PROVIDED BY E.C. ALL SUBSTITUTIONS SHALL BE APPROVED BY INTERIOR DESIGNER. 5. FIXTURE SHALL BE CAPABLE OF OPERATION IN TEMPERATURES RANGING FROM -4F THROUGH 104F. 6. U.L. LISTED FOR 'WET LOCATION'. 7. COORDINATE COLOR WITH ARCHITECT. 8. PROVIDE FIXTURE/POLE ASSEMBLY WITH 17" ROUND STRAIGHT STEEL POLE. BLACK TO MATCH FIXTURE. FIXTURE HEIGHT SHALL NOT EXCEED 20'. 9. FIXTURE/POLE ASSEMBLY SHALL BE RATED FOR 100 MPH WIND LOADS. PROVIDE WITH VIBRATION DAMPER PER MANUFACTURER'S RECOMMENDATIONS.

The diagram illustrates the electrical wiring for a fire pump system. At the top, a 480V busbar is shown with three main feeders. Two feeders, each labeled '3#8, #8G, 3/4" RMC', supply two 'FIRE PUMP (BY OTHERS)' and two 'JOCKEY PUMP (BY OTHERS)' respectively. The third feeder, labeled '3#2, #8G, 1-1/4" RMC', supplies two 'FIRE PUMP CONTROLLER (BY OTHERS)'. All pumps and controllers are connected to a '4"x4" WIREWAY WITH GROUND BAR'. A 'FROM METER RE: 1/E6.2' line enters the wireway from the right, passing through a switch and a fuse before connecting to the ground bar. The ground bar is connected to a '4#1 IN 2" C' conductor, which is further connected to a 'GROUNDING ELECTRODE CONDUCTOR BUSBAR'. A note at the bottom states: 'NOTE: VERIFY FEEDER SIZES AND ALL OTHER REQUIREMENTS WITH FIRE PUMP SYSTEM INSTALLER PRIOR TO COMMENCING WORK.'

The diagram illustrates a power distribution system for a ship. A central vertical backbone cable, labeled '4# CU', runs through the center. Seven distribution points are shown, each connected to a main power distribution unit (PNLBD P1 to P7) and a terminal unit (TMBG, TGB2 to TGB7). The units are connected to various equipment: IT RM 703, IT RM 603, IT RM 503, IT RM 403, IT RM 303, MECH 208, and MECH 121. Each connection is labeled 'BOND TO EQUIPMENT GROUND BUS' and '4# CU'.

NOTES:

1. COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR SHALL BE 1/4" THICK x 4" WIDE x 24" LONG, TIN PLATED COPPER BUSBAR. PROVIDE COMPLETE WITH INSULATING STAND OFFS, STAINLESS STEEL BRACKETS AND MOUNTING BOLTS. MOUNT ON WALL AT 18" AFF. ERICO HEGBA14424CCT OR EQUAL.
2. ALL CONNECTIONS TO GROUNDING BUSBAR SHALL BE MADE USING COMPRESSION TYPE LUGS (BURNDY YAZ SERIES OR EQUAL). MECHANICAL LUGS ARE NOT ACCEPTABLE.
3. INSTALL ALL GROUNDING ELECTRODE CONDUCTORS IN 3/4" CONDUIT WHERE EXPOSED AND WHERE SUBJECT TO PHYSICAL DAMAGE.
4. CONTRACTOR SHALL MEASURE RESISTANCE TO GROUND AND PROVIDE ADDITIONAL GROUND ROD OR PLATE ELECTRODES AS REQUIRED UNTIL A RESISTANCE TO GROUND OF 25 OHMS OR LESS IS ACHIEVED.

NOTE: HEAT DETECTORS IN HOISTWAY SHALL BE SENSITIVE, 135° F FIXED TEMPERATURE, WITH A LISTED SPACING OF 40' ON CENTER OR GREATER. LOCATE HEAT DETECTORS WITHIN 24" OF SPRINKLER HEADS.

THREE ADDRESSABLE FIRE ALARM RELAY MODULES FOR PRIMARY RECALL, ALTERNATE RECALL AND FIREMAN'S HAT

TO ELEVATOR LOBBY AND HOISTWAY SMOKE AND HEAT DETECTORS

CONTROL WIRING TO ELEVATOR LOGIC CONTROLLER

FACP SIGNALING LINE CIRCUIT

ADDRESSABLE FIRE ALARM RELAY MODULE

24V-dc AUXILIARY POWER FROM FACP

CONVENTIONAL FIRE ALARM RELAY W/ 24 V-dc COIL AND SPDT CONTACTS RATED FOR 10 AMPS AT 120 V

ADDRESSABLE FIRE ALARM MONITOR MODULE

CLASS 'B' INITIATING DEVICE CIRCUIT WITH E-O-L RESISTOR

CONTROL RELAY FOR SHUNT-TRIP VOLTAGE MONITORING, 120V COIL, N.O. CONTACT, NEMA 1 ENCLOSURE

120 V 'P7-10'

CIRCUIT BREAKER IN 'MDP' FOR ELEVATOR POWER WITH 120V SHUNT-TRIP COIL AND N.O. AUXILIARY CONTACTS FOR ELEVATOR RECALL OVERRIDE SIGNAL

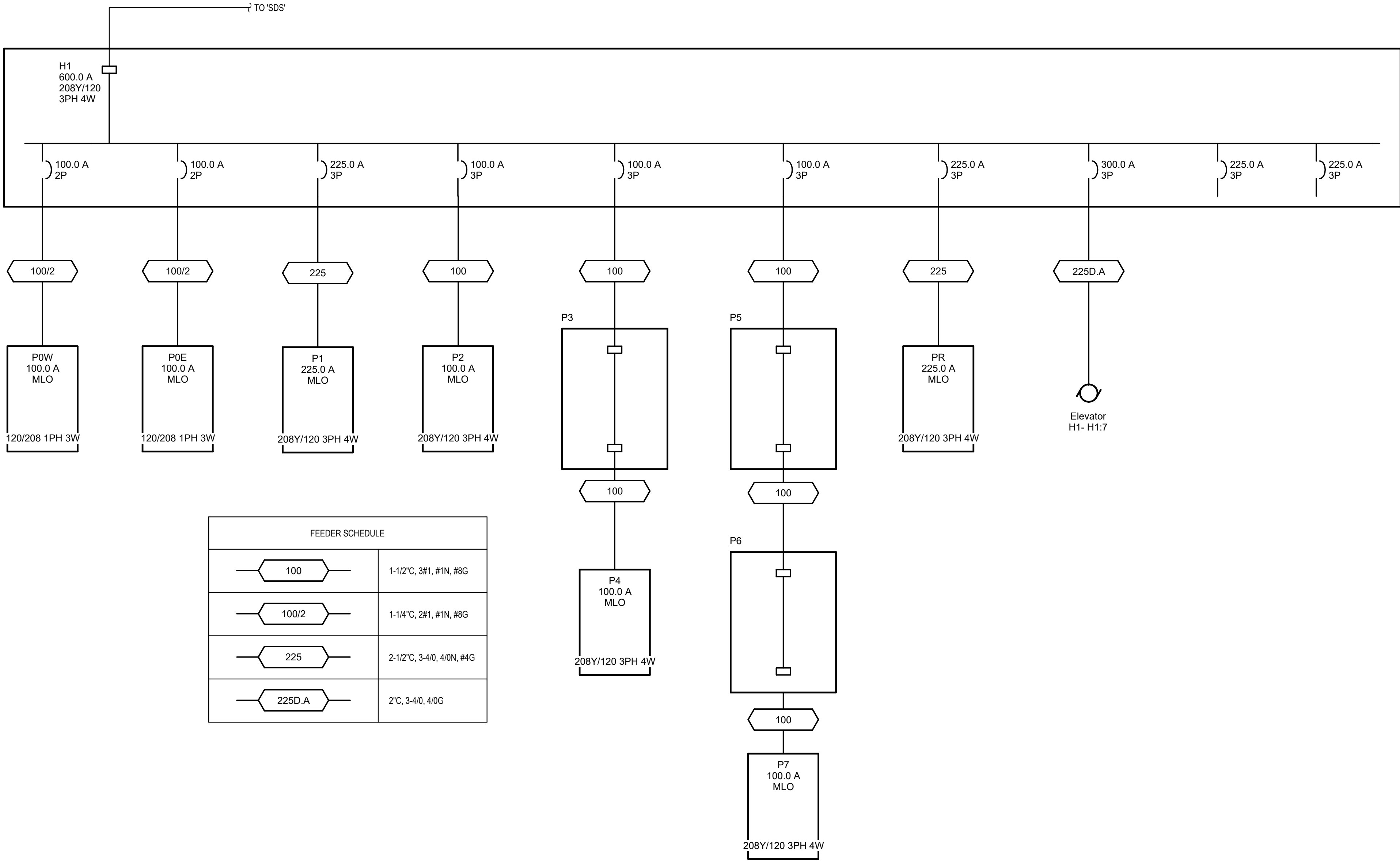
MAIN LINE POWER FEEDER TO ELEVATOR CONTROLLER

CONTROL WIRING TO ELEVATOR LOGIC CONTROLLER

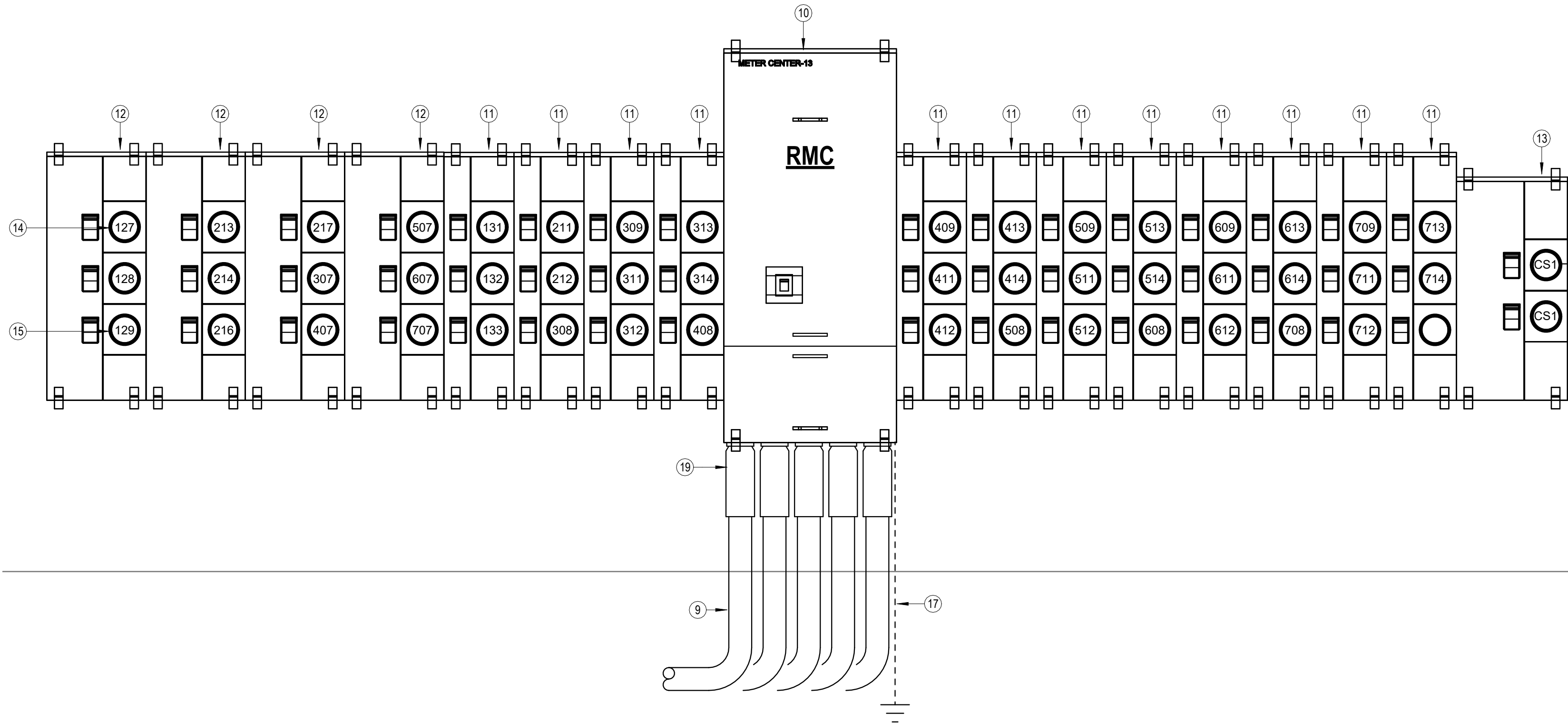
ELEVATOR RECALL AND SHUT-DOWN SEQUENCE OF OPERATION:

- UPON SENSING SMOKE FROM ONE OR MORE ELEVATOR LOBBY OR HOISTWAY, THE SMOKE DETECTOR SHALL SIGNAL THE FIRE ALARM CONTROL PANEL, WHICH WILL FORWARD THE SIGNAL TO THE ELEVATOR LOGIC CONTROLLER VIA ADDRESSABLE RELAY MODULES TO RECALL ELEVATOR CAB TO THE PRIMARY RECALL FLOOR. IF PRIMARY RECALL FLOOR'S LOBBY SMOKE DETECTOR SENSES SMOKE AT THAT FLOOR, THE ELEVATOR CONTROLLER WILL SEND THE ELEVATOR CAB TO THE NEXT FLOOR CLEAR OF SMOKE. ONCE THE ELEVATOR CAB HAS REACHED THE DESIGNATED FLOOR, THE ELEVATOR CAB DOORS WILL OPEN AND THE CONTROLLER WILL LOCK THE ELEVATOR CAB AT THAT FLOOR, DISABLING THE ELEVATOR CAB CONTROLS, UNLESS A FIREMAN'S KEY IS USED TO OVERRIDE AUTOMATIC CONTROLS.
- ALL SMOKE DETECTORS ASSOCIATED WITH ELEVATOR RECALL (LOBBY AND HOISTWAY) SHALL TRANSMIT A SEPARATE AND DISTINCT VISIBLE ANNUNCIATION AT THE FIRE ALARM CONTROL PANEL.
- 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.

1



2 ELECTRICAL HOUSE ONE-LINE DIAGRAM
1" = 1'-0"



1 ELECTRIC SERVICE RISER DIAGRAM
3/4" = 1'-0"

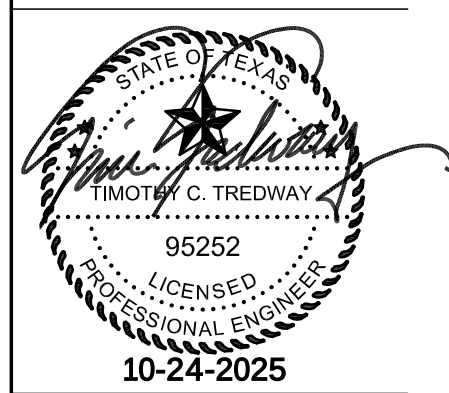
NOTES:
- Meter Center main circuit breaker shall be 65 kAIC fully rated.
- All conductor sizes are based on copper, U.N.O.
- Entire installation shall comply with NEC.
- Coordinate all responsibilities and requirements with power utility company and pay associated fees.
Contact Information:
AEP
Alhan Himmelstein
adhimmelstein@aep.com
325.674.7290
- Coordinate final location of meter assemblies with utility company. Provide shop drawings of proposed equipment whether as specified or substituted to utility company for approval.
- Provide all necessary blocking and/or steel channel behind meter centers to create a flush/plumb mounting surface and to infill space where existing stone and brick meet.
- All meter center components shall be NEMA 3R.
- All dimensions based on Square D equipment. It is the contractor's responsibility to verify the dimensions of substitute equipment.
- For each meter, provide a permanent brass, copper or aluminum tag identifying the apartment served. Tags shall be securely fastened to the meter base and be stamped with 1/4" letters, minimum.

- NOTES BY SYMBOL
- CT ENCLOSURE (36"Wx36"Hx12"D) PER AEP REQUIREMENTS. INSTALL BOTTOM OF CABINET MINIMUM 2' AFG. INSTRUMENT CT FURNISHED AND INSTALLED BY E.C. WIRED BY AEP. COORDINATE EXACT REQUIREMENTS WITH AEP SERVICE GUIDE DETAIL M.S._F010.
 - (2) PARALLEL 4" CONDUITS EACH WITH PULL ROPE FROM TRANSFORMER TO CT ENCLOSURE. PROVIDE ALL TRENCHING AND BACKFILL. COORDINATE EXACT REQUIREMENTS WITH AEP.
 - CT RATED METER PROVIDED BY UTILITY. INSTALLED BY E.C. METER ENCLOSURE ELECTRICALLY BONDED TO CT CABINET BY RMC. INSTALL METER SOCKET BETWEEN 54"-66" AFG.
 - #6 AWG BARE COPPER GROUND WIRE IN 1: SCHEDULE 40 PVC CONDUIT TO 5/8"x8" COPPER CLAD GROUND ROD.
 - 2" RMC FOR POWER COMPANY PROVIDED METER WIRING.
 - (2) PARALLEL 4" CONDUITS EACH WITH (4) #350 KCMIL COPPER OR (4) #500 KCMIL ALUMINUM FROM CT ENCLOSURE TO 'SDS'.
 - 'SDS': 600A/3P SERVICE ENTRANCE RATED DISCONNECT SWITCH WITH SOLID NEUTRAL AND (3) 800A DUAL-ELEMENT, TIME-DELAY, CLASS 'RK1' FUSES IN NEMA 3R ENCLOSURE. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 2 OF 2'
 - (2) PARALLEL 4" CONDUITS, EACH WITH (4) #350 KCMIL, #1G COPPER OR (2) PARALLEL 4" CONDUITS, EACH WITH (4) #500 KCMIL AL, #2/0 AL G. FROM 'SDS' TO PANEL 'H1'. SEE Z.E6.2 FOR CONTINUATION.
 - (5) PARALLEL 4" CONDUITS EACH WITH PULL ROPE FROM TRANSFORMER TO RESIDENTIAL METER CENTER RMC. PROVIDE ALL TRENCHING AND BACKFILL. COORDINATE EXACT REQUIREMENTS WITH AEP.
 - METER CENTER MAIN, 3-PH IN; 3-PH OUT, 208/120V-3PH, 4 WIRE WITH 1600A/3P MAIN BREAKER, 65 KAIC RATED, SERVICE ENTRANCE RATED WITH INTEGRAL SURGE PROTECTION DEVICE. SQUARE D 'EZ METER-PAK' #EZM31600GCBU. PROVIDE SIGNAGE AT DISCONNECT SWITCH TO READ 'SERVICE DISCONNECT 1 OF 2'
 - 3-SOCKET BRANCH UNIT, 3-PH IN; 1-PH OUT, WITH (3) 125A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZMH31325. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED.
 - 3-SOCKET BRANCH UNIT, 3-PH IN; 1-PH OUT, WITH (3) 150A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZMH31325. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE APARTMENT BEING SERVED.
 - 2-SOCKET COMMERCIAL BRANCH UNIT, 3PH IN; 1-PH OUT, WITH (2) 200A BRANCH BREAKERS, SQUARE D 'EZ METER-PAK' #EZML31225. PROVIDE PERMANENT LABEL ON EACH METER SOCKET BREAKER INDICATING THE COMMERCIAL SPACE BEING SERVED.
 - MAXIMUM HEIGHT TO CENTERLINE OF TOP METER SOCKET SHALL BE 5'-6" AFG.
 - MINIMUM HEIGHT TO BOTTOM OF METER SOCKET ASSEMBLY SHALL BE 2'-6" AFG.
 - SEE FEEDER SCHEDULE, THIS SHEET FOR SIZES TO APARTMENT UNIT LOAD CENTERS AND COMMERCIAL SPACE PANELS.
 - #3/0 CU GROUNDING ELECTRODE CONDUCTOR TO COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR. SEE DETAIL 3.E6.1.
 - #2/0 CU GROUNDING ELECTRODE CONDUCTOR TO COMMON GROUNDING ELECTRODE CONDUCTOR BUSBAR. SEE DETAIL 3.E6.1.
 - PROVIDE SCHEDULE 40 PVC SLIP JOINTS.
 - 200A METER FOR FIRE PUMP SERVICE PROVIDED BY UTILITY, INSTALLED BY E.C. INSTALL METER SOCKET BETWEEN 54"-66" AFG.
 - (4) #1 IN 2" C. SEE FIRE RISER DETAIL ON SHEET E6.1 FOR CONTINUATION.



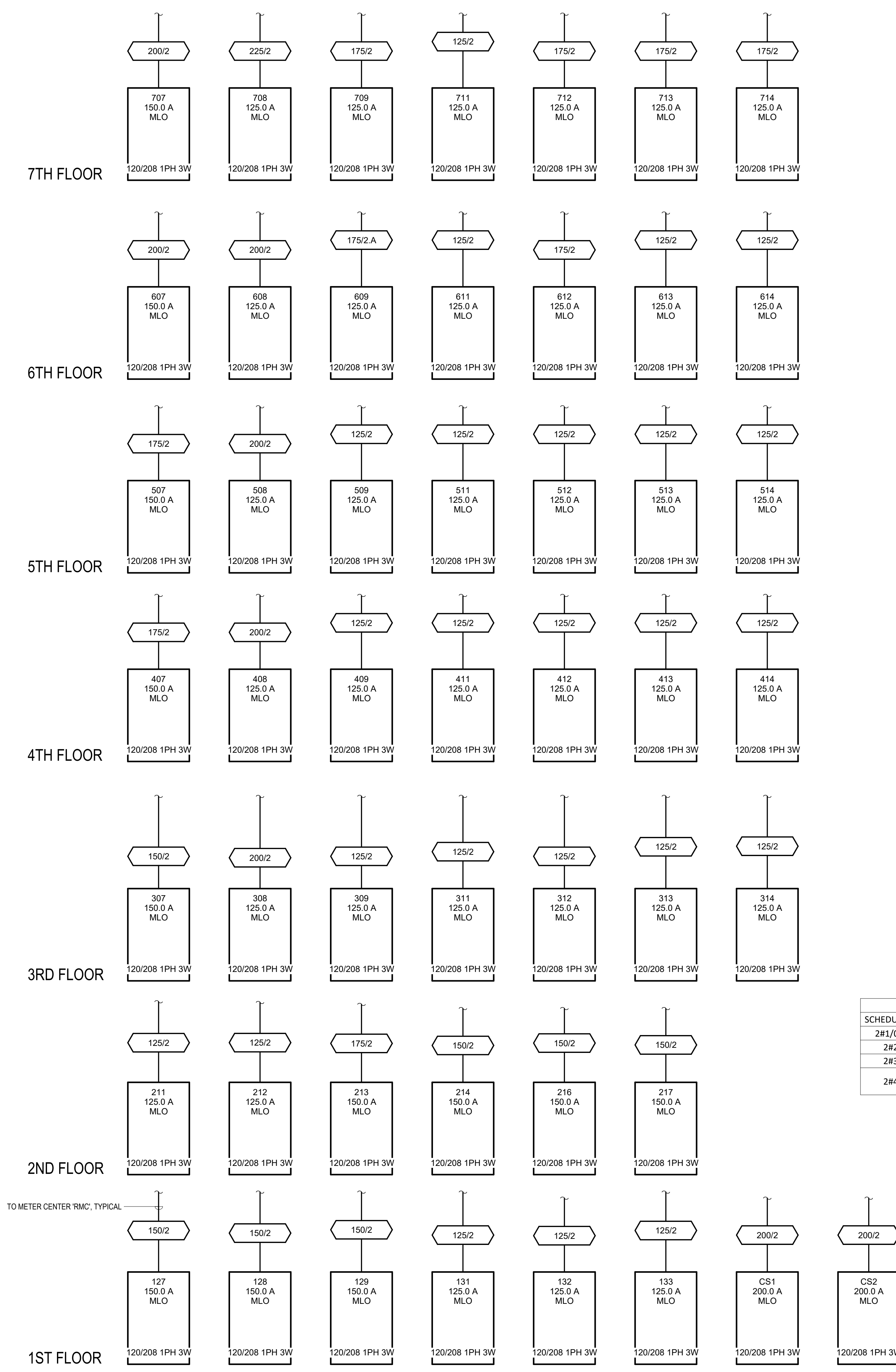
JGR

LANDMARK ON CYPRESS HISTORIC REHABILITATION - APARTMENTS ABILENE, TEXAS

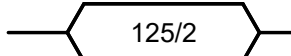
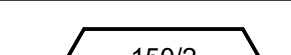
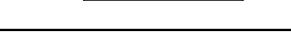
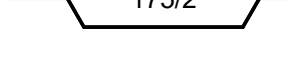
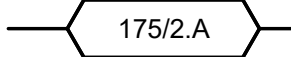


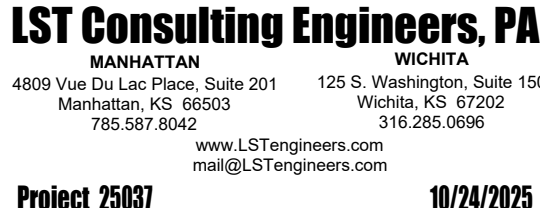
10-24-2025	
REVISIONS:	
DATE:	10/24/2025
JOB:	24-3483
SHEET NO.:	

E6.3



DWELLING UNIT FEEDER SCHEDULE (ALUMINUM)	
SCHEDULED COPPER FEEDER SIZE	EQUIVALENT ALUMINUM FEEDER
2#1/0, #1/0N, 64G, 1-1/2" C.	2#3/0, #3/0N, #3G, 2" C.
2#2/0, #2/0N, #4G, 2" C.	2#4/0, #4/0N, #2G, 2" C.
2#3/0, #3/0N, #3G, 2" C.	2#300KCMIL, #300 KCMIL N, #1/0G, 2-1/2" C.
2#4/0, #4/0N, #2G, 2" C.	2#350KCMIL, #350 KCMIL N, #2/0G, 3" C.

FEEDER SCHEDULE (COPPER)	
	1-1/2" C, 2-1/0, 1/0N, #6G
	1-1/2" C, 2-1/0, 1/0N, #6G
	1-1/2" C, 2-2/0, 2/0N, #4G
	2" C, 2-4/0 AL, 4/0 AL N, #3G
	2" C, 2-3/0, 3/0N, #4G



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TEXAS

LANDMARK ON CYPRESS

HISTORIC REHABILITATION - APARTMENTS

ABILENE,



REVISIONS:

DATE: 10/24/2025

JOB: 24-3483

SHEET NO.:

E6.5

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Panelboard: P6

Location: IT 603

Supply: P5

Mounting: Surface

Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W

Bus Rating: 225 A

Neutral: 100%

Feed-Thru Lugs: Yes

Features & Modifications: -

Mains Type: MLO

Mains Rating: 100 A

Mains FPN/Note: -

SCCR: 22 kA

Ckt	Description	Circuitry	Trip (A)	FN	A KVA	B KVA	C KVA	FN	Trip (A)	Circuitry	Description	Ckt
P6:1	LTG - 6TH FLOOR HALL	1/2" C, 1#12, 1#2N, 1#2G	20		0.63	0			20	--	SPACE	P6:2
P6:3	RCPT - 6TH FLOOR HALL	1/2" C, 1#12, 1#2N, 1#2G	20			0.9	0		20	--	SPACE	P6:4
P6:5	RCPT - MECH 602	1/2" C, 1#12, 1#2N, 1#2G	20				0.36	--	--	--	SPACE	P6:6
P6:7	RCPT - IT 603	1/2" C, 1#12, 1#2N, 1#2G	20		0.36	--			--	--	SPACE	P6:8
P6:9	RCPT - IT 603	1/2" C, 1#12, 1#2N, 1#2G	20			0.36	--		--	--	SPACE	P6:10
P6:11	SPACE	--	--				--		--	--	SPACE	P6:12
Connected Load:					2 kVA	3 kVA	1 kVA	(Includes load connected via feed-thru lugs.)				
Connected Current:					20 A	26 A	6 A					

Breaker Function Schedule	
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
L	Breaker hasp to prevent unintentional opening



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10/24/2025

[illegible]

Designation: 132														
Installed Location:					Bus Amps: 125					SCCR/AIC:				
Voltage: 120/208 1PH 3W-1Ph-3W					MCB Amps: MLO					Mains FN/Note: -				
Mounting: Flush					Features &									
Enclosure: NEMA 1					Modifications: -									

Kct	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Kct
132-1	REFRIGERATOR	1/2"C.1#12,#12N, #12G	20	GA	8.3 A	38...		G	50	3/4"C.2#6, #10G	132-2
132-3	KITCHEN RECEPTACLES	1/2"C.1#12,#12N, #12G	20	GA		1.5 A	38...			ELECTRIC RANGE	132-4
132-5	DISHWASHER	1/2"C.1#12,#12N, #12G	20	GA	7.0 A	24...		G	30	1/2"C.2#10, #10G	132-6
132-7	GARBAGE DISPOSAL	1/2"C.1#12,#12N, #12G	20	GA		9.8 A	24...			CLOTHES DRYER	132-8
132-9	KITCHEN RECEPTACLES	1/2"C.1#12,#12N, #12G	20	GA	3.0 A	21...		30	1/2"C.2#10, #10G		132-10
132-11	HOOD/MICROWAVE	1/2"C.1#12,#12N, #12G	20	GA		8.3 A	21...			WATER HEATER	132-12
132-13	LIVING AREA RECEPTACLES	1/2"C.1#12,#12N, #12G	20	A	7.5 A	31...		40	1/2"C.2#6, #10G	BLOWER COIL "BC-Z"	132-14
132-15	ENTRY & IT CLOSET RECEPTACLE	1/2"C.1#12,#12N, #12G	20	A		9.0 A	31...				132-16
132-17	WASHING MACHINE	1/2"C.1#12,#12N, #12G	20	GA	10... 13...			20	1/2"C.2#12, #12G	HEAT PUMP "HP-Z"	132-18
132-19	BATHROOM	1/2"C.1#12,#12N, #12G	20	GA		3.0 A	13...				132-20
132-21	BEDROOM	1/2"C.1#12,#12N, #12G	20	A	10... 0.0 A			30	--	SURGE PROTECTION	132-22
132-23	LIVING AREA/KITCHEN LIGHTING	1/2"C.1#12,#12N, #12G	20	A		1.2 A	0.0 A				132-24

Notes:

Designation: 133									
Installed Location:					Bus Amps: 125				
Voltage: 120/208 1PH 3W-1Ph-3W					MCB Amps: MLO				
Mounting: Flush					Features & Modifications: -				
Enclosure: NEMA 1					SCCR/AIC:				
					Mains FN/Note: -				

Kct	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Kct
133-1	REFRIGERATOR	1/2"C.1#12.#12N.#12G	20	GA	1.5 A 38....						133-2
133-3	KITCHEN RECEPTACLES	1/2"C.1#12.#12N.#12G	20	GA	1.5 A 38....	G	50		3/4"C.2#6.#10G	ELECTRIC RANGE	133-4
133-5	DISHWASHER	1/2"C.1#12.#12N.#12G	20	GA	7.0 A 24....						133-6
133-7	GARBAGE DISPOAL	1/2"C.1#12.#12N.#12G	20	GA	9.8 A 24....	G	30		1/2"C.2#10.#10G	CLOTHES DRYER	133-8
133-9	KITCHEN RECEPTACLES	1/2"C.1#12.#12N.#12G	20	GA	3.0 A 21....						133-10
133-11	HOODMICROWAVE	1/2"C.1#12.#12N.#12G	20	GA	8.3 A 21....		30		1/2"C.2#10.#10G	WATER HEATER	133-12
133-13	LIVING AREA RECEPTACLES	1/2"C.1#12.#12N.#12G	20	A	6.0 A 38....						133-14
133-15	BATHROOM	1/2"C.1#12.#12N.#12G	20	GA	3.0 A 38....		50		3/4"C.2#6.#10G	BLOWER COIL "BC"-3"	133-16
133-17	LIVING AREA/ KITCHEN LIGHTING	1/2"C.1#12.#12N.#12G	20	A	1.3 A 16....		30		1/2"C.2#10.#10G	HEAT PUMP "HP"-3"	133-18
133-19	BEDROOM #2	1/2"C.1#12.#12N.#12G	20	A	7.3 A 16....						133-20
133-21	BEDROOM #1	1/2"C.1#12.#12N.#12G	20	A	7.4 A --	--	--	--	--	SPACE	133-22
133-23	CLOSET IT ENCLOSURE	1/2"C.1#12.#12N.#12G	20	A	3.0 A --	--	--	--	--	SPACE	133-24
133-25	WASHING MACHINE	1/2"C.1#12.#12N.#12G	20	GA	10.... --	--	--	--	--	SPACE	133-26
133-27	ENTRY AREA RECEPTACLES	1/2"C.1#12.#12N.#12G	20	A	6.0 A 0.0 A		30		--	SURGE PROTECTION	133-28
133-29	SPARE	--	20	A	0.0 A 0.0 A						133-30

Notes:

[illegible]

Panelboard: CS2	Voltage: 208 V, 10, 3W	Mains Type: MLO
	Bus Rating: 100 A	Mains Rating: 200 A
Location: COMMERCIAL SPACE 2 COMMERCIAL SPACE 2 106	Neutral: 100%	Mains F/N/Note: -
Supply: RMC PANEL	Feed-Thru Lugs: No	SCCR: 10 KA
Mounting: Flush	Features &	
Enclosure: NEMA 1	Modifications: -	

Designation: 127

Installed Location:

Volume: 120/208 1PH 3W-1Ph-3W

Mounting: Flush

Enclosure: NEMA 1

Bus Amps: 150

MCB Amps: MLO

Features & Modifications: -

SCCR/AIC:

Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Ckt	
127-1	REFRIGERATOR	1/2"C. 1#12,1#12N,1#12G	20	GA	8.3 A	38...		G	50	3/4"C.2#8,1#10G	ELECTRIC RANGE	127-2
127-3	KITCHEN RECEPTACLES	1/2"C. 1#12,1#12N,1#12G	20	GA		1.5 A	38...					127-4
127-5	KITCHEN RECEPTACLES	1/2"C. 1#12,1#12N,1#12G	20	GA	3.0 A	24...		G	30	1/2"C.2#10,1#10G	CLOTHES DRYER	127-6
127-7	DISHWASHER	1/2"C. 1#12,1#12N,1#12G	20	GA		7.0 A	24...					127-8
127-9	GARBAGE DISPOSAL	1/2"C. 1#12,1#12N,1#12G	20	GA	9.8 A	21...						127-10
127-11	HOOD/MICROWAVE	1/2"C. 1#12,1#12N,1#12G	20	GA		8.3 A	21...		30	1/2"C.2#10,1#10G	WATER HEATER	127-12
127-13	LIVING AREA RECEPTACLES	1/2"C. 1#12,1#12N,1#12G	20	A	9.0 A	38...						127-14
127-15	WASHING MACHINE	1/2"C. 1#12,1#12N,1#12G	20	GA		10...	38...		35	1/2"C.2#8,1#10G	IU-1A/B/C & OU-1	127-16
127-17	CLOSET T1 ENCLOSURE	1/2"C. 1#12,1#12N,1#12G	20	A	6.0 A	--		--	--	--	SPACE	127-18
127-19	BATHROOM	1/2"C. 1#12,1#12N,1#12G	20	GA		3.0 A	--	--	--	--	SPACE	127-20
127-21	BEDROOM	1/2"C. 1#12,1#12N,1#12G	20	A	10...	0.0 A						127-22
127-23	LIVING AREA/KITCHEN LIGHTING	1/2"C. 1#12,1#12N,1#12G	20	A		1.3 A	0.0 A		30	--	SURGE PROTECTION	127-24

Notes:

PANEL SCHEDULE IS TYPICAL FOR UNITS: 127, 213, AND 214.

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HISTORIC REHABILITATION - APARTMENTS

ABILENE,



REVISIONS

DATE: 10/24/2025

JOB: 24-3481

SHEET NO.

E6.6

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Breaker Function Schedule	
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
L	Breaker hasp to prevent unintentional opening



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Project 25037

10/24/2025

Designation: 313

Installed Location:

Voltage: 120/208 1PH 3W-1Ph-3W

Mounting: Flush

Enclosure: NEMA 1

Bus Amps: 200

MCB Amps: MLO

Features & Modifications: -

SCCR/AIC:

Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Ckt
313.1	REFRIGERATOR	1/2"C,1#12,1#2N,1#12G	20	GA	8.3 A 38...						313.2
313.3	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	GA		3.0 A 38...	G	50	3/4"C,2#6,1#10G	ELECTRIC RANGE	313.4
313.5	DISHWASHER	1/2"C,1#12,1#2N,1#12G	20	GA	7.0 A 24...						313.6
313.7	GARBAGE DISPOSAL	1/2"C,1#12,1#2N,1#12G	20	GA		9.8 A 24...	G	30	1/2"C,2#10,1#10G	CLOTHES DRYER	313.8
313.9	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	GA	3.0 A 21...						313.10
313.11	HOOD/MICROWAVE	1/2"C,1#12,1#2N,1#12G	20	GA		8.3 A 21...		30	1/2"C,2#10,1#10G	WATER HEATER	313.12
313.13	LIVING AREA/KITCHEN LIGHTING	1/2"C,1#12,1#2N,1#12G	20	A	2.0 A 30...			40	1/2"C,2#8,1#10G	BLOWER COIL "BC-1"	313.14
313.15	LIVING AREA RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	A		9.0 A 30...					313.16
313.17	SLEEPING AREA RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	A	4.5 A 12...			20	1/2"C,2#12,1#12G	HEAT PUMP "HP-1"	313.18
313.19	WASHING MACHINE	1/2"C,1#12,1#2N,1#12G	20	GA		10... 12...					313.20
313.21	CLOSET IT ENCLOSURE	1/2"C,1#12,1#2N,1#12G	20	A	3.0 A 0.0 A			30	--	SURGE PROTECTION	313.22
313.23	BATHROOM	1/2"C,1#12,1#2N,1#12G	20	GA		3.0 A 0.0 A					313.24

Notes:

PANEL SCHEDULE IS TYPICAL FOR UNITS: 212, 313, 413, 513, 613, AND 713.

Designation: 314

Installed Location:

Voltage: 120/208 1PH 3W-1Ph-3W

Mounting: Flush

Enclosure: NEMA 1

Bus Amps: 125

MCB Amps: MLO

Features & Modifications: -

SCCR/AIC:

Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Ckt
314.1	REFRIGERATOR	1/2"C,1#12,1#2N,1#12G	20		8.3 A 38...						314.2
314.3	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20			3.0 A 38...	G	50	3/4"C,2#6,1#10G	ELECTRIC RANGE	314.4
314.5	DISHWASHER	1/2"C,1#12,1#2N,1#12G	20		7.0 A 24...						314.6
314.7	GARBAGE DISPOSAL	1/2"C,1#12,1#2N,1#12G	20			9.8 A 24...	G	30	1/2"C,2#10,1#10G	CLOTHES DRYER	314.8
314.9	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20		1.5 A 21...			30	1/2"C,2#10,1#10G	WATER HEATER	314.10
314.11	HOOD/MICROWAVE	1/2"C,1#12,1#2N,1#12G	20			8.3 A 21...					314.12
314.13	LIVING AREA RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20		7.5 A 31...			40	1/2"C,2#8,1#10G	BLOWER COIL "BC-2"	314.14
314.15	HALLWAY RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20			12... 31...					314.16
314.17	WASHING MACHINE	1/2"C,1#12,1#2N,1#12G	20		10... 13...			20	1/2"C,2#12,1#12G	HEAT PUMP "HP-2"	314.18
314.19	BATHROOM	1/2"C,1#12,1#2N,1#12G	20			4.7 A 13...					314.20
314.21	BEDROOM #1	1/2"C,1#12,1#2N,1#12G	20		7.3 A --			--	--	SPACE	314.22
314.23	BEDROOM #2	1/2"C,1#12,1#2N,1#12G	20			8.8 A --		--	--	SPACE	314.24
314.25	LIVING AREA/KITCHEN LIGHTING	1/2"C,1#12,1#2N,1#12G	20		1.6 A --			--	--	SPACE	314.26
314.27	CLOSET IT ENCLOSURE	1/2"C,1#12,1#2N,1#12G	20			3.0 A 0.0 A					314.28
314.29	SPARE	--	20		0.0 A 0.0 A			30	--	SURGE PROTECTION	314.30

Notes:

PANEL SCHEDULE IS TYPICAL FOR UNITS: 314, 414, 514, 614, AND 714.

Designation: 307

Installed Location:

Voltage: 120/208 1PH 3W-1Ph-3W

Mounting: Flush

Enclosure: NEMA 1

Bus Amps: 150

MCB Amps: MLO

Features & Modifications: -

SCCR/AIC:

Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Ckt
307.1	REFRIGERATOR	1/2"C,1#12,1#2N,1#12G	20	GA	8.3 A 38...						307.2
307.3	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	GA		3.0 A 38...	G	50	3/4"C,2#6,1#10G	ELECTRIC RANGE	307.4
307.5	DISHWASHER	1/2"C,1#12,1#2N,1#12G	20	GA	1.5 A 24...						307.6
307.7	GARBAGE DISPOSAL	1/2"C,1#12,1#2N,1#12G	20	GA		9.8 A 24...	G	30	1/2"C,2#10,1#10G	CLOTHES DRYER	307.8
307.9	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	GA	4.5 A 21...						307.10
307.11	HOOD/MICROWAVE	1/2"C,1#12,1#2N,1#12G	20	GA		8.3 A 21...		30	1/2"C,2#10,1#10G	WATER HEATER	307.12
307.13	LIVING AREA RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	A	12... 40...			60	3/4"C,2#4,1#10G	BLOWER COIL "BC-4"	307.14
307.15	HALLWAY RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	A		9.0 A 40...					307.16
307.17	WASHING MACHINE	1/2"C,1#12,1#2N,1#12G	20	GA	10... 17...			30	1/2"C,2#10,1#10G	BLOWER COIL "BC-4"	307.18
307.19	LIGHTING	1/2"C,1#12,1#2N,1#12G	20	A		1.8 A 17...					307.20
307.21	BATHROOM	1/2"C,1#12,1#2N,1#12G	20	A	3.0 A 25...			40	1/2"C,2#8,1#10G	HEAT PUMP "HP-4"	307.22
307.23	BEDROOM #1	1/2"C,1#12,1#2N,1#12G	20	A		10... 25...					307.24
307.25	BEDROOM #2	1/2"C,1#12,1#2N,1#12G	20	GA	6.8 A --			--	--	SPACE	307.26
307.27	CLOSET IT ENCLOSURE	1/2"C,1#12,1#2N,1#12G	20	A		3.0 A 0.0 A					307.28
307.29	SPARE	--	20	A	0.0 A 0.0 A			30	--	SURGE PROTECTION	307.30

Notes:

PANEL SCHEDULE IS TYPICAL FOR UNITS: 307, 407, 507, 607, AND 707.

Designation: 308

Installed Location:

Voltage: 120/208 1PH 3W-1Ph-3W

Mounting: Flush

Enclosure: NEMA 1

Bus Amps: 125

MCB Amps: MLO

Features & Modifications: -

SCCR/AIC:

Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Ckt
308.1	REFRIGERATOR	1/2"C,1#12,1#2N,1#12G	20	GA	8.3 A 38...						308.2
308.3	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	GA		3.0 A 38...	G	50	3/4"C,2#6,1#10G	ELECTRIC RANGE	308.4
308.5	DISHWASHER	1/2"C,1#12,1#2N,1#12G	20	GA	7.0 A 24...						308.6
308.7	GARBAGE DISPOSAL	1/2"C,1#12,1#2N,1#12G	20	GA		9.8 A 24...	G	30	1/2"C,2#10,1#10G	CLOTHES DRYER	308.8
308.9	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	GA	3.0 A 21...						308.10
308.11	HOOD/MICROWAVE	1/2"C,1#12,1#2N,1#12G	20	GA		8.3 A 21...		30	1/2"C,2#10,1#10G	WATER HEATER	308.12
308.13	HALLYWAY RECEPTACLES - IT ENCLOSURE	1/2"C,1#12,1#2N,1#12G	20	A	9.0 A 38...						308.14
308.15	LIVING AREA RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	A		7.5 A 38...		50	3/4"C,2#6,1#10G	BLOWER COIL "BC-3"	308.16
308.17	WASHING MACHINE	1/2"C,1#12,1#2N,1#12G	20	GA	10... 16...						308.18
308.19	LIVING AREA/KITCHEN LIGHTING	1/2"C,1#12,1#2N,1#12G	20	A		1.2 A 16...		30	1/2"C,2#10,1#10G	HEAT PUMP "HP-3"	308.20
308.21	BEDROOM	1/2"C,1#12,1#2N,1#12G	20	A	6.8 A 0.0 A						308.22
308.23	RESTROOM	1/2"C,1#12,1#2N,1#12G	20	GA		3.0 A 0.0 A		30	--	SURGE PROTECTION	308.24

Notes:

PANEL SCHEDULE IS TYPICAL FOR UNITS: 308, 408, 508, 608, AND 708.

Designation: 309

Installed Location:

Voltage: 120/208 1PH 3W-1Ph-3W

Mounting: Flush

Enclosure: NEMA 1

Bus Amps: 125

MCB Amps: MLO

Features & Modifications: -

SCCR/AIC:

Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Ckt
309.1	REFRIGERATOR	1/2"C,1#12,1#2N,1#12G	20	GA	8.3 A 38...						309.2
309.3	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	GA		1.5 A 38...	G	50	3/4"C,2#6,1#10G	ELECTRIC RANGE	309.4
309.5	DISHWASHER	1/2"C,1#12,1#2N,1#12G	20	GA	7.0 A 24...						309.6
309.7	GARBAGE DISPOSAL	1/2"C,1#12,1#2N,1#12G	20	GA		9.8 A 24...	G	30	1/2"C,2#10,1#10G	CLOTHES DRYER	309.8
309.9	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	GA	3.0 A 21...						309.10
309.11	HOOD/MICROWAVE	1/2"C,1#12,1#2N,1#12G	20	GA		8.3 A 21...		30	1/2"C,2#10,1#10G	WATER HEATER	309.12
309.13	KITCHEN/LIVING AREA LIGHTING	1/2"C,1#12,1#2N,1#12G	20	A	1.3 A 30...			40	1/2"C,2#8,1#10G	BLOWER COIL "BC-1"	309.14
309.15	LIVING AREA RECEPTACLES	1/2"C,1#12,1#2N,1#12G	20	A		9.0 A 30...					309.16
309.17	WASHING MACHINE	1/2"C,1#12,1#2N,1#12G	20	GA	10... 12...			20	1/2"C,2#12,1#12G	HEAT PUMP "HP-1"	309.18
309.19	BATHROOM	1/2"C,1#12,1#2N,1#12G	20	GA		1.6 A 12...					309.20
309.21	CLOSET IT ENCLOSURE	1/2"C,1#12,1#2N,1#12G	20	A	3.0 A 0.0 A						309.22
309.23	BEDROOM	1/2"C,1#12,1#2N,1#12G	20	A		8.8 A 0.0 A		30	--	SURGE PROTECTION	309.24

Notes:

PANEL SCHEDULE IS TYPICAL FOR UNITS: 131, 309, 311, 409, 411, 509, 511, 609, 611, 709, AND 711.

Designation: 312

Installed Location:

Voltage: 120/208 1PH 3W-1Ph-3W

Mounting: Flush

Enclosure: NEMA 1

Bus Amps: 125

MCB Amps: MLO

Features & Modifications: -

SCCR/AIC:

Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A	B	FN	Trip (A)	Circuitry	Description	Ckt
312.1	REFRIGERATOR	1/2"C,1#12,1#2N,1#2G	20	GA	8.3 A 38.....						312.2
312.3	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#2G	20	GA		3.0 A 38.....	G	50	3/4"C,2#6,1#10G	ELECTRIC RANGE	312.4
312.5	DISHWASHER	1/2"C,1#12,1#2N,1#2G	20	GA	7.0 A 24.....						312.6
312.7	KITCHEN RECEPTACLES	1/2"C,1#12,1#2N,1#2G	20	GA		1.5 A 24.....	G	30	1/2"C,2#10,1#10G	CLOTHES DRYER	312.8
312.9	GARBAGE DISPOAL	1/2"C,1#12,1#2N,1#2G	20	GA	9.8 A 21.....						312.10
312.11	HOOD/MICROWAVE	1/2"C,1#12,1#2N,1#2G	20	GA		8.3 A 21.....		30	1/2"C,2#10,1#10G	WATER HEATER	312.12
312.13	LIVING AREA RECEPTACLES	1/2"C,1#12,1#2N,1#2G	20	A	10.....	31.....		40	1/2"C,2#6,1#10G	BLOWER COIL "BC-2"	312.14
312.15	SLEEPING AREA RECEPTACLES	1/2"C,1#12,1#2N,1#2G	20	A		7.5 A 31.....					312.16
312.17	WASHING MACHINE	1/2"C,1#12,1#2N,1#2G	20	GA	10.....	13.....					312.18
312.19	CLOSET IT ENCLOSURE	1/2"C,1#12,1#2N,1#2G	20	A		3.0 A 13.....		20	1/2"C,1#12,1#12G	HEAT PUMP "HP-2"	312.20
312.21	LIVING AREA/KITCHEN LIGHTING	1/2"C,1#12,1#2N,1#2G	20	A	2.8 A 0.0 A						312.22
312.23	BATHROOM	1/2"C,1#12,1#2N,1#2G	20	GA		3.0 A 0.0 A		30	--	SURGE PROTECTION	312.24