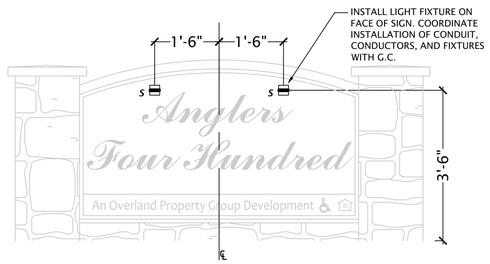
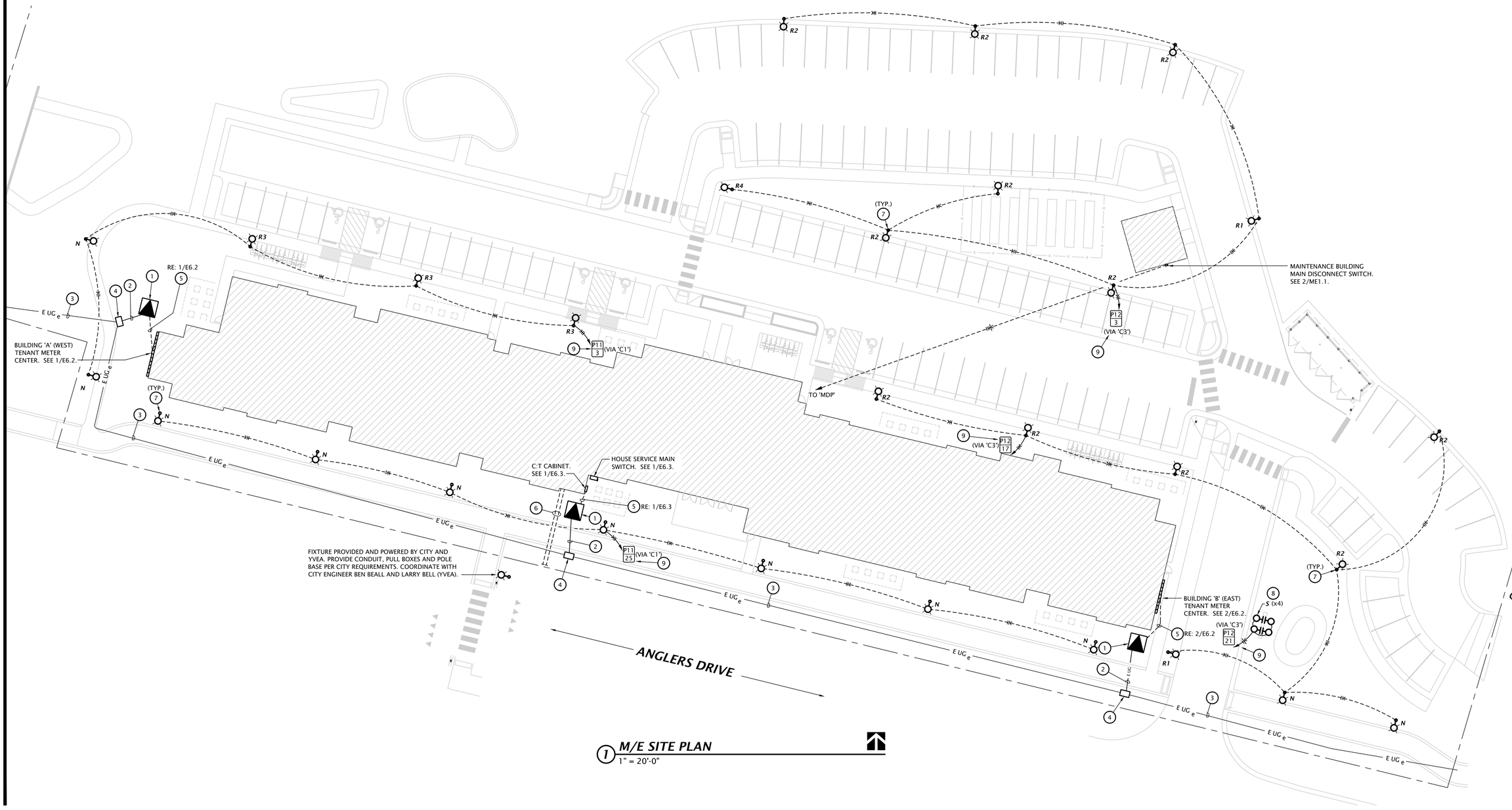


(2) MONUMENT LIGHT DETAIL

No Scale

(#) SITE PLAN NOTES BY SYMBOL

1. POWER COMPANY PAD MOUNTED TRANSFORMER. CONCRETE PAD BY GENERAL CONTRACTOR PER YAMPA VALLEY ELECTRIC ASSOCIATION CONSTRUCTION STANDARDS. COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO COMMENCING WORK.
2. PROVIDE 4" CONDUIT WITH 1/4" PULL ROPE BELOW GRADE FOR POWER COMPANY PROVIDED PRIMARY CABLING. COORDINATE ROUTING AND REQUIREMENTS WITH YVEA.
3. EXISTING POWER COMPANY UNDERGROUND ELECTRICAL 3-PHASE PRIMARY DISTRIBUTION TO REMAIN.
4. PRIMARY PEDESTAL BY POWER COMPANY. VERIFY EXACT LOCATION WITH YVEA.
5. UNDERGROUND SERVICE LATERAL.
6. (2) 4" CONDUITS BELOW GRADE FOR COMMUNICATIONS SERVICES. PROVIDE PULL ROPE IN EACH RACEWAY. VERIFY TERMINATION POINTS AT PROPERTY LINE WITH LOCAL SERVICE PROVIDERS. STUB-UP AT MAIN TELECOM TERMINAL BOARD IN MECH ROOM 102.
7. REFERENCE POLE BASE DETAIL 1:E6.1.
8. INSTALL MONUMENT LIGHTS DIRECTLY TO FACE OF SIGN. REFERENCE DETAIL 2:ME1.0.
9. REFERENCE EXTERIOR LIGHTING CONTROL DIAGRAM 1:E6.5.



(1) M/E SITE PLAN

1" = 20'-0"

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ANGLERS FOUR HUNDRED

APARTMENT COMPLEX

STEAMBOAT SPRINGS, COLORADO

DATE: 05-27-2021

JOB: 19-3047

SHEET: ME1.0

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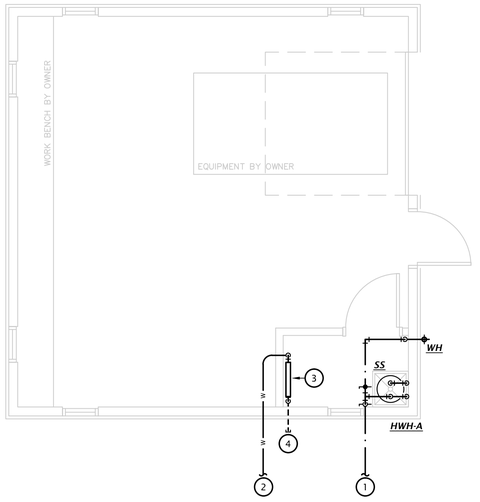
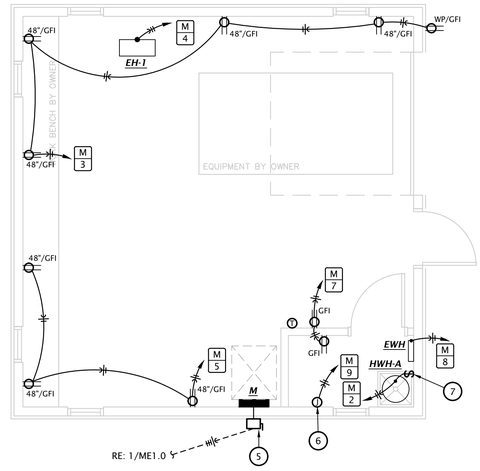
(#) M/E NOTES BY SYMBOL

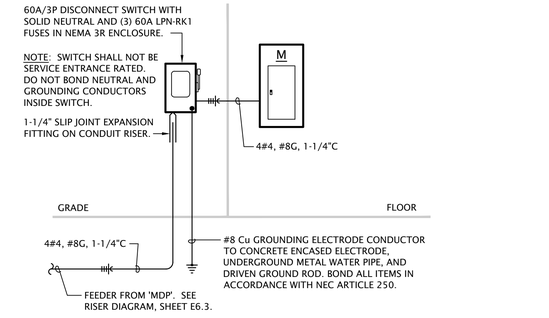
1. 1" DOMESTIC WATER PIPING FROM APARTMENT BUILDING. PROVIDE FULL SIZED SHUT-OFF VALVE. SEE CIVIL DRAWINGS FOR CONTINUATION.
2. CONNECT 1-1/2" IRRIGATION SERVICE TO CITY WATER MAIN. SEE CIVIL DRAWINGS FOR CONTINUATION.
3. PROVIDE SHUT-OFF VALVE, PRESSURE REDUCING VALVE SET TO 45 PSI, WATER METER, AND RPZ BACKFLOW PREVENTER IN ACCORDANCE WITH LOCAL REQUIREMENTS. SEE IRRIGATION RISER DIAGRAM, THIS SHEET.
4. ROUTE CAPPED 1-1/2" COPPER LINE 24" BELOW GRADE OUTSIDE BUILDING FOR IRRIGATION SYSTEM. VERIFY EXACT LOCATION WITH IRRIGATION CONTRACTOR.
5. BUILDING MAIN DISCONNECT SWITCH. SEE ELECTRICAL RISER DIAGRAM, THIS SHEET.
6. PROVIDE 120 V POWER TO IRRIGATION CONTROLLER.
7. PROVIDE 30A/1P SNAP SWITCH AND MAKE FINAL FLEXIBLE CONNECTION TO WATER HEATER.
8. 4" SANITARY SEWER. SEE CIVIL DRAWINGS FOR CONTINUATION.



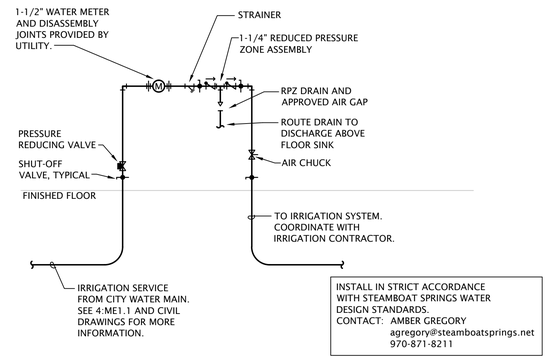
4 MAINTENANCE BUILDING DOMESTIC WATER PLAN
1/4" = 1'-0"



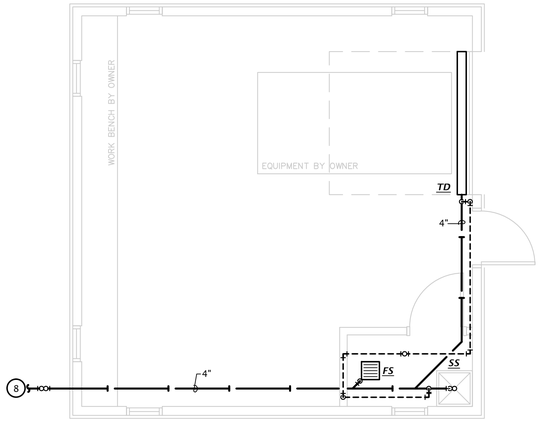
2 MAINTENANCE BUILDING POWER PLAN
1/4" = 1'-0"



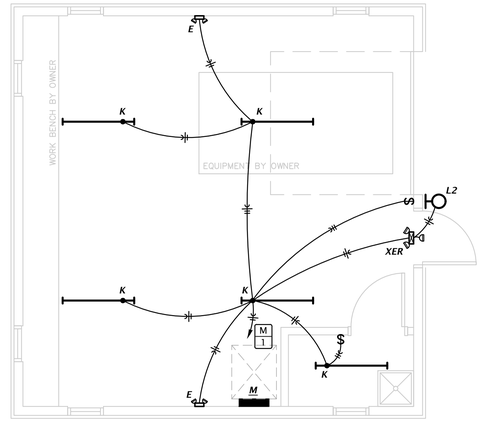
6 ELECTRICAL RISER DIAGRAM - MAINTENANCE BLDG
No Scale



5 IRRIGATION WATER SERVICE RISER DIAGRAM
NO SCALE



3 MAINTENANCE BUILDING WASTE AND VENT PLAN
1/4" = 1'-0"



1 MAINTENANCE BUILDING LIGHTING PLAN
1/4" = 1'-0"

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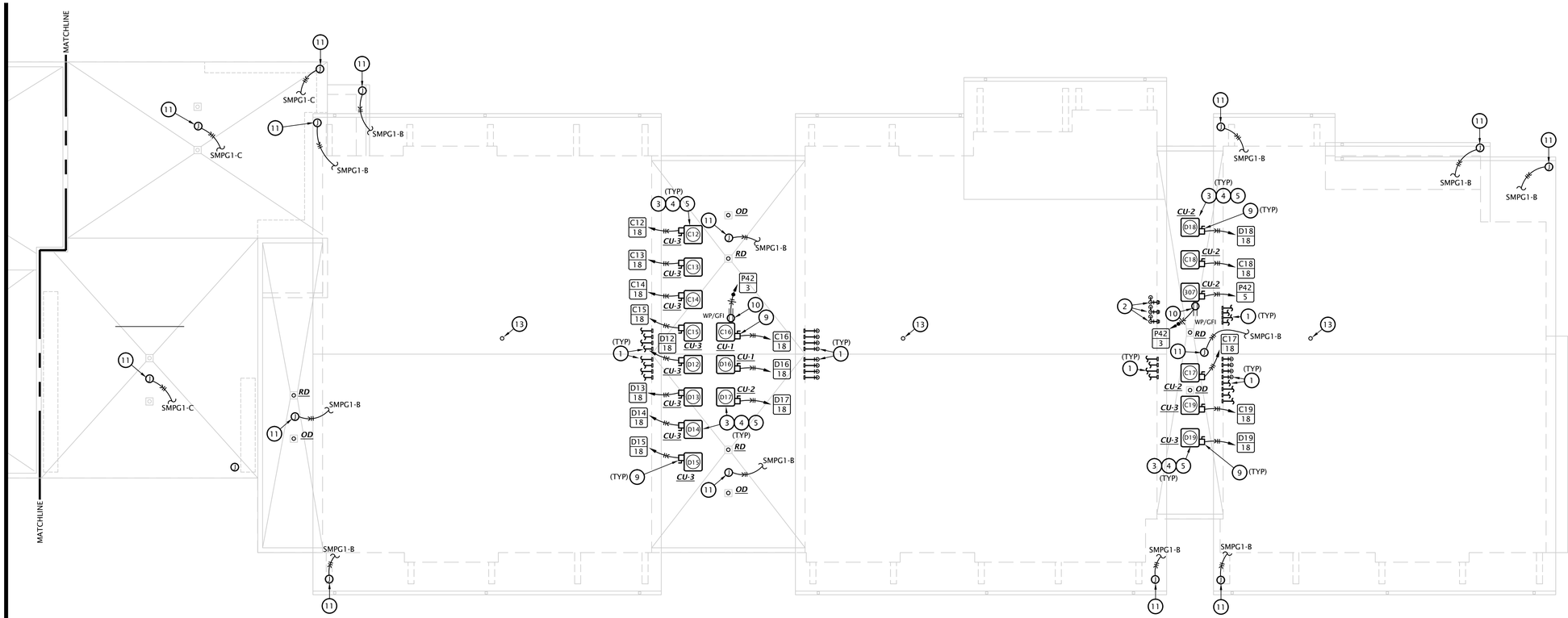
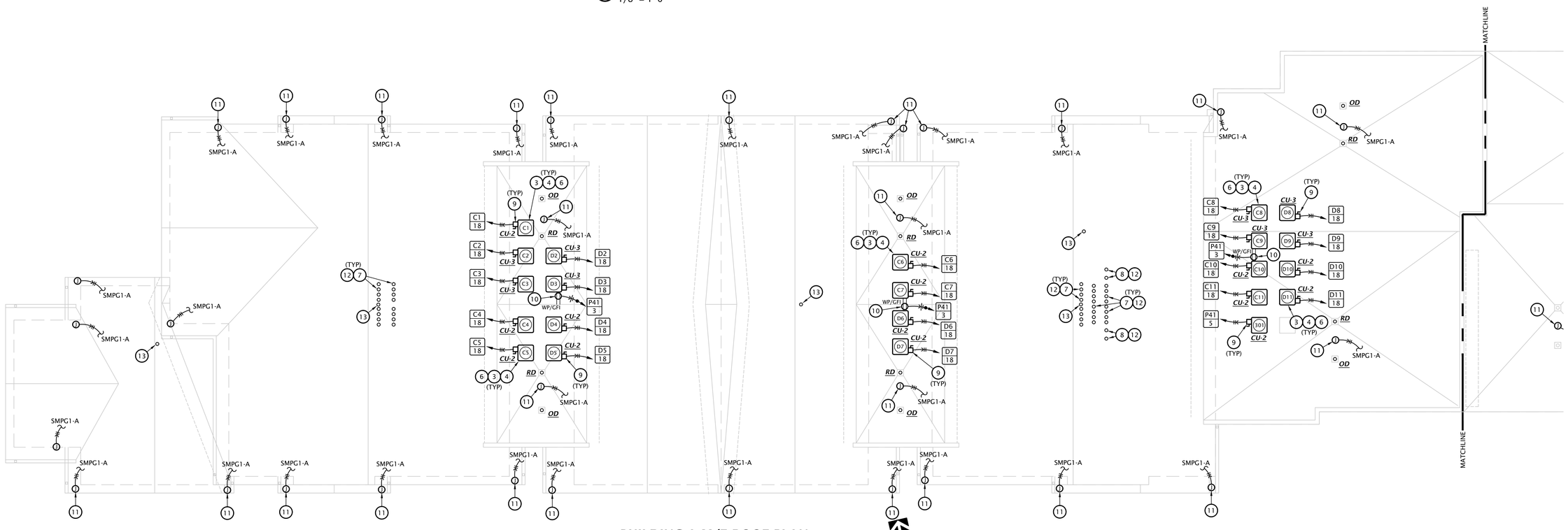
ME1.1



2 BUILDING B M/E ROOF PLAN

1/8" = 1'-0"



1 BUILDING A M/E ROOF PLAN

1/8" = 1'-0"

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PLAN NOTES BY SYMBOL

1. ROUTE VENT PIPING FROM WATER HEATER TO MANUFACTURER'S WALL TERMINATION KIT. INSTALL PER MANUFACTURER'S REQUIREMENTS. SEE M1.4 FOR CONTINUATION. PAINT EXPOSED PIPING AND MANUFACTURER'S TERMINATION KIT PRIOR TO INSTALLATION, COORDINATE WITH ARCHITECT AND G.C. INSTALL TERMINATIONS MINIMUM 12" BELOW ATTIC LOUVER.
2. FURNACE INTAKE AND VENT CONCENTRIC WALL TERMINATION. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SEE M1.4 FOR CONTINUATION. PAINT EXPOSED PIPING AND MANUFACTURER'S TERMINATION KIT PRIOR TO INSTALLATION, COORDINATE WITH ARCHITECT AND G.C.
3. MOUNT CONDENSING UNIT TO UNISTRUT FRAME SUPPORTED ON NVENT CADDY PYRAMID ROOF SUPPORTS. PROVIDE VIBRATION ISOLATORS BETWEEN ROOF SUPPORTS AND UNISTRUT FRAME. COORDINATE INSTALLATION WITH ROOFING CONTRACTOR.
4. ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO MATCHING BLOWER COIL CONCEALED IN WALLS AND ABOVE CEILINGS. SEE M1.1-M1.4 FOR LOCATIONS OF BLOWER COILS (TYPICAL). CONDENSING UNIT LABEL INDICATES APARTMENT UNIT BEING SERVED. VERIFY REQUIRED PIPE SIZES WITH MANUFACTURER.
5. REFRIGERANT PIPING TO PENETRATE EXTERIOR WALL AT 48" ABOVE FLAT ROOF. PROVIDE PIPING PENETRATION ASSEMBLY EQUAL TO RPH WV SERIES WALL VAULT WITH EXIT SEALS FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT AND TWO ADDITIONAL SPARE EXIT SEALS. SUBMIT PRODUCT DATA FOR REVIEW PRIOR TO INSTALLATION.
6. ROUTE REFRIGERANT PIPING DOWN THROUGH ROOF. PROVIDE ROOF CURB AT REFRIGERANT PIPING PENETRATION. 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.
7. ROUTE VENT PIPING FROM WATER HEATER TO MANUFACTURER'S ROOF TERMINATION KIT. INSTALL PER MANUFACTURER'S REQUIREMENTS. SEE M1.4 FOR CONTINUATION. PROVIDE PIPE CURB AT ROOF PENETRATIONS, COORDINATE WITH G.C. PAINT EXPOSED PIPING AND MANUFACTURER'S TERMINATION KIT PRIOR TO INSTALLATION, COORDINATE WITH ARCHITECT AND G.C.
8. FURNACE INTAKE AND VENT CONCENTRIC ROOF TERMINATION. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SEE M1.4 FOR CONTINUATION. PROVIDE PIPE CURB AT ROOF PENETRATIONS, COORDINATE WIT G.C. PAINT EXPOSED PIPING AND MANUFACTURER'S TERMINATION KIT PRIOR TO INSTALLATION, COORDINATE WITH ARCHITECT AND G.C.
9. PROVIDE 30A/2P NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE. MOUNT SWITCH TO UNISTRUT FRAME SUPPORTED FROM CONDENSING UNIT UNISTRUT FRAME.
10. MOUNT RECEPTACLE TO UNISTRUT FRAME SUPPORTED FROM CONDENSING UNIT UNISTRUT FRAME.
11. PROVIDE WEATHERPROOF JUNCTION BOX AT ROOF FOR DE-ICING SYSTEM CABLE. PROVIDE 2#10, #10G IN 1/2"C FROM BOX TO CONTROL PANEL INDICATED. COORDINATE EXACT BOX LOCATION AND WIRING REQUIREMENTS WITH DE-ICING SYSTEM INSTALLER.
12. INSTALL ROOF PENETRATIONS IN NEAT GROUPS AND STRAIGHT LINES. COORDINATE WITH ROOFING CONTRACTOR AND G.C.
13. VENT THROUGH ROOF. SEE SHEET P1.4 FOR CONTINUATION. PAINT EXPOSED PIPE BEFORE INSTALLATION, COORDINATE WITH ARCHITECT AND G.C.

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ANGLERS FOUR HUNDRED

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STEAMBOAT SPRINGS, COLORADO

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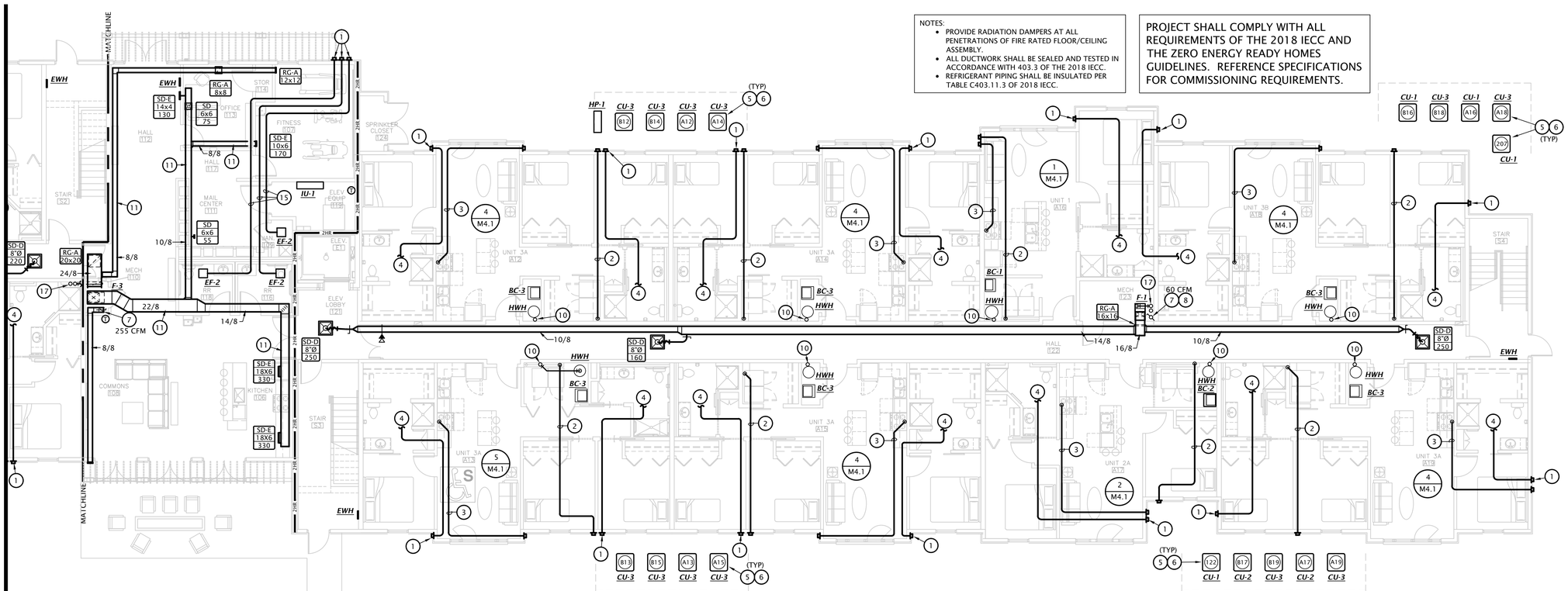
NOTES:
- PROVIDE RADIATION DAMPERS AT ALL PENETRATIONS OF FIRE RATED FLOOR/CEILING ASSEMBLY.
- ALL DUCTWORK SHALL BE SEALED AND TESTED IN ACCORDANCE WITH 403.3 OF THE 2018 IECC.
- REFRIGERANT PIPING SHALL BE INSULATED PER TABLE C403.11.3 OF 2018 IECC.

PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE 2018 IECC AND THE ZERO ENERGY READY HOMES GUIDELINES. REFERENCE SPECIFICATIONS FOR COMMISSIONING REQUIREMENTS.



2 BUILDING B FIRST FLOOR HVAC PLAN
1/8" = 1'-0"

1 BUILDING A FIRST FLOOR HVAC PLAN
1/8" = 1'-0"

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Project 20086 — May 2021

PLAN NOTES BY SYMBOL

1. ROUTE 4"Ø EXHAUST DUCT TO MANUFACTURER'S WALL CAP WITH BACKDRAFT DAMPER, COORDINATE ROUTING WITH STRUCTURE.
2. 4"Ø DRYER EXHAUST DUCT. SEE ENLARGED MECHANICAL PLANS FOR MORE INFORMATION.
3. 6"Ø KITCHEN RANGE HOOD EXHAUST DUCT. SEE ENLARGED MECHANICAL PLANS FOR MORE INFORMATION.
4. 4"Ø EXHAUST DUCT TO 'EF-1'. SEE ENLARGED MECHANICAL PLANS FOR CONTINUATION.
5. ROUTE REFRIGERANT PIPING FROM CONDENSING UNIT TO MATCHING BLOWER COIL CONCEALED IN WALLS AND ABOVE CEILINGS. PENETRATE EXTERIOR WALL 18" A.F.G. SEE M1.1, M1.2, M1.3 AND M1.4 FOR LOCATIONS OF BLOWER COILS. (TYPICAL). CONDENSING UNIT LABEL INDICATES APARTMENT UNIT BEING SERVED.
6. MOUNT CONDENSING UNIT ON LEVEL 3-1/2" THICK CONCRETE PAD. COORDINATE WITH G.C.
7. ROUTE OUTDOOR AIR DUCT TO MANUFACTURER'S WALL CAP WITH BACKDRAFT DAMPER AND BIRDSCREEN, AND BALANCE OUTDOOR AIR AS INDICATED ON PLANS.
8. ROUTE OUTDOOR AIR DUCT UP TO THIRD FLOOR. SEE M1.3 FOR CONTINUATION.
9. ROUTE OUTDOOR AIR DUCT UP TO SECOND FLOOR. SEE M1.2 FOR CONTINUATION.
10. ROUTE VENT PIPING FROM WATER HEATER TO MANUFACTURER'S ROOF TERMINATION KIT. SEE PLANS FOR INDIVIDUAL ROUTING. INSTALL PER MANUFACTURER'S REQUIREMENTS.
11. ROUTE DUCTWORK IN SOFFIT. COORDINATE ROUTING WITH ARCHITECT.
12. ROUTE DUCTWORK THROUGH RIM BOARD AT THIS LOCATION, REFERENCE M4.1 FOR EXACT DUCT ROUTING. COORDINATE PENETRATION REQUIREMENTS WITH STRUCTURAL ENGINEER.
13. ROUTE DUCTWORK THROUGH DRAG STRUT AT THIS LOCATION, REFERENCE M4.1 FOR EXACT DUCT ROUTING. COORDINATE PENETRATION REQUIREMENTS WITH STRUCTURAL ENGINEER.
14. ROUTE DRYER EXHAUST DUCT ACROSS LAUNDRY ROOM ABOVE LOWERED CEILING. TURN UP TO JOIST SPACE AS SOON AS POSSIBLE AFTER MAIN AIR DUCT.
15. ROUTE EXHAUST DUCT THROUGH JOIST SPACE.
16. ROUTE DUCTWORK UP TO 4TH FLOOR. SEE M1.4 FOR CONTINUATION.
17. ROUTE INTAKE AD VENT PIPING TO MANUFACTURERS WALL OR ROOF TERMINATION KIT. SEE PLANS FOR INDIVIDUAL ROUTING. INSTALL PER MANUFACTURER'S REQUIREMENTS.
18. CONCEAL DUCTWORK IN CHASE, COORDINATE WITH ARCHITECTURAL PLANS.
19. SEE SHEET ME1.2 FOR CONTINUATION.

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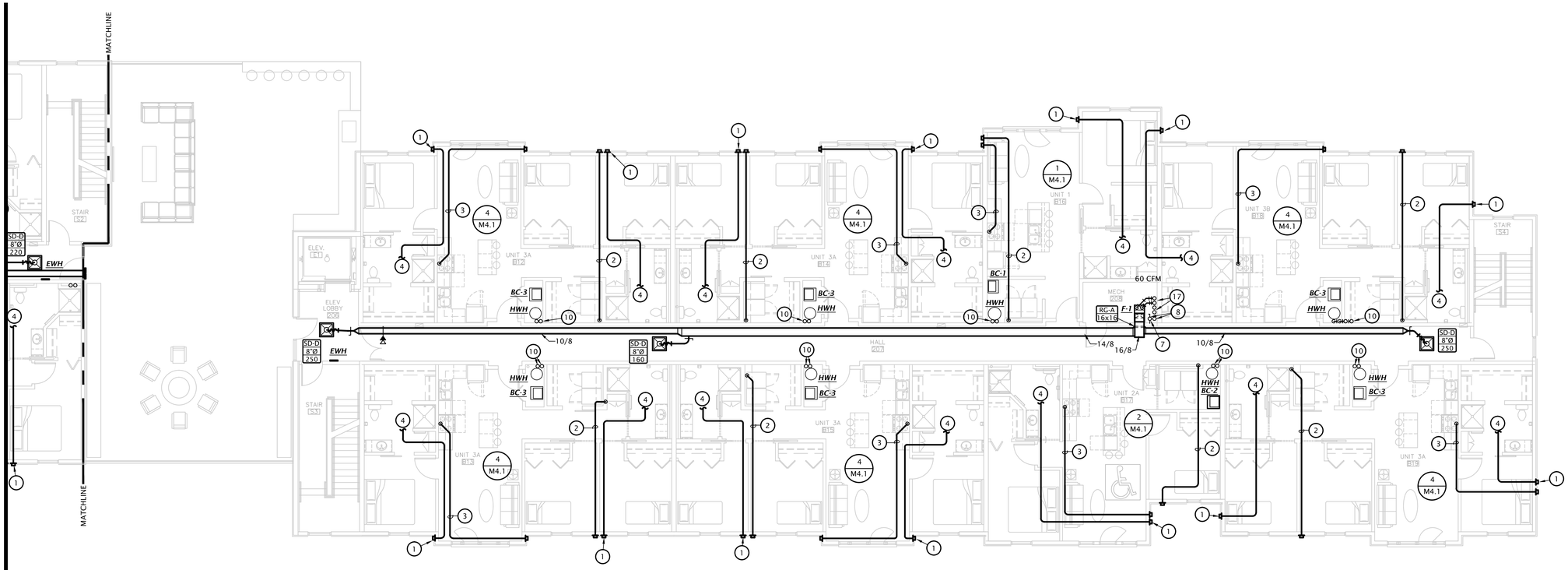
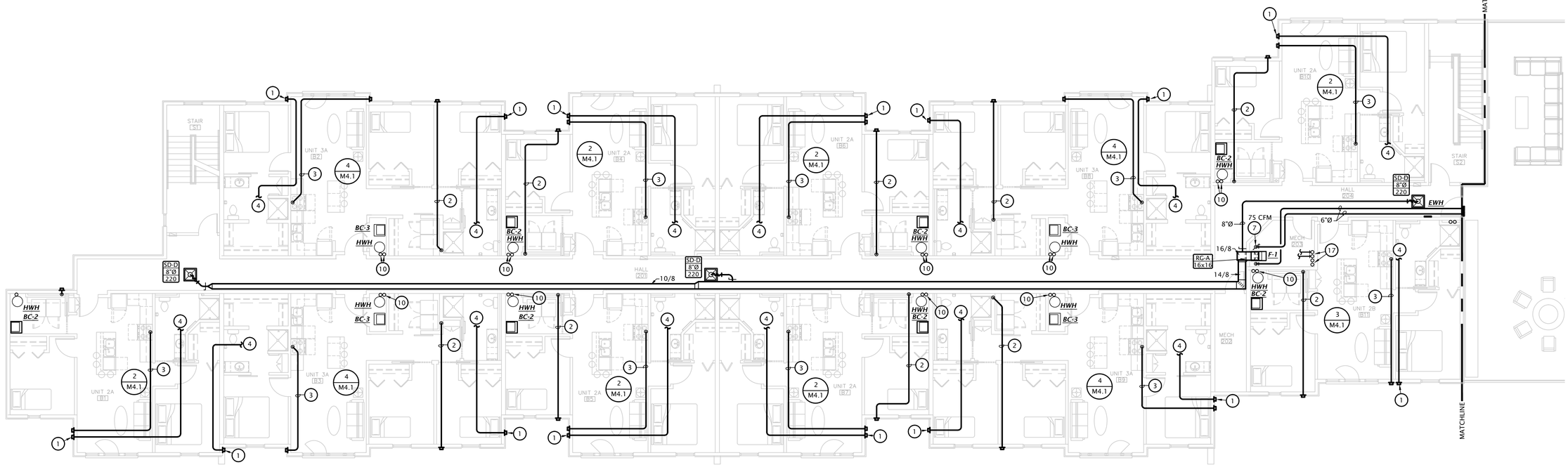


2 BUILDING B SECOND FLOOR HVAC PLAN

1/8" = 1'-0"

SEE SHEET M1.1 FOR NOTES BY SYMBOL



1 BUILDING A SECOND FLOOR HVAC PLAN

1/8" = 1'-0"

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M1.2

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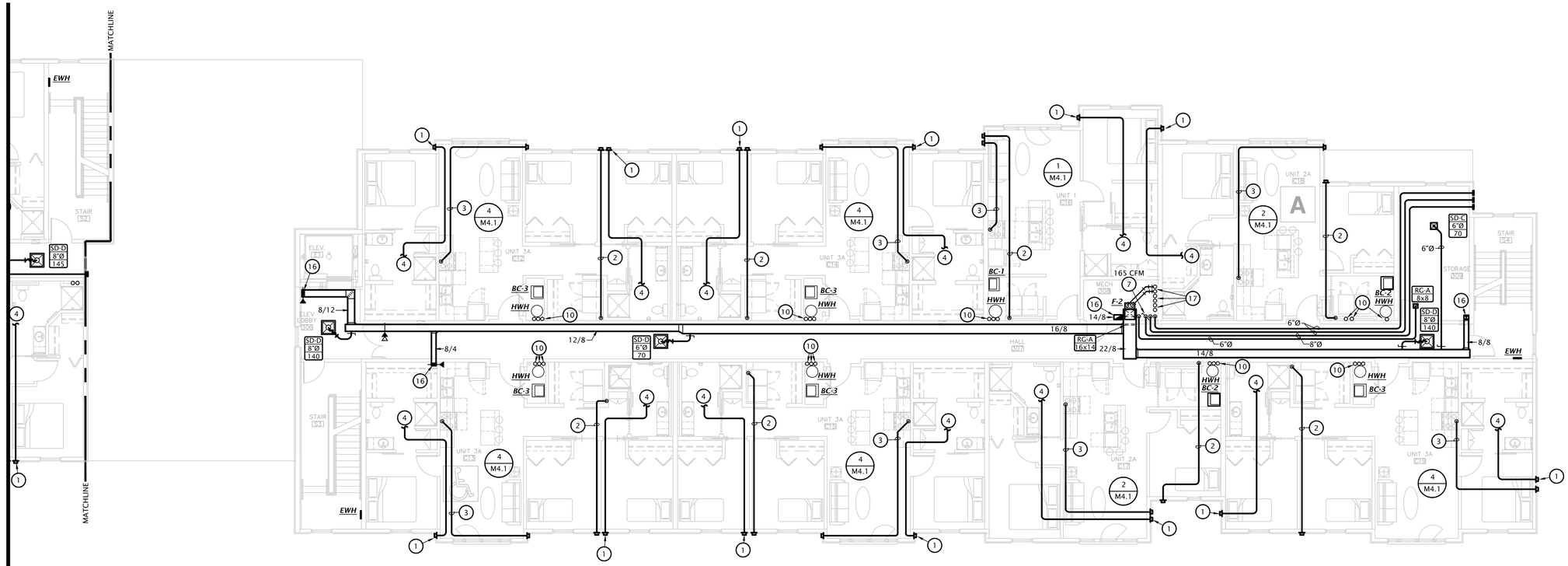
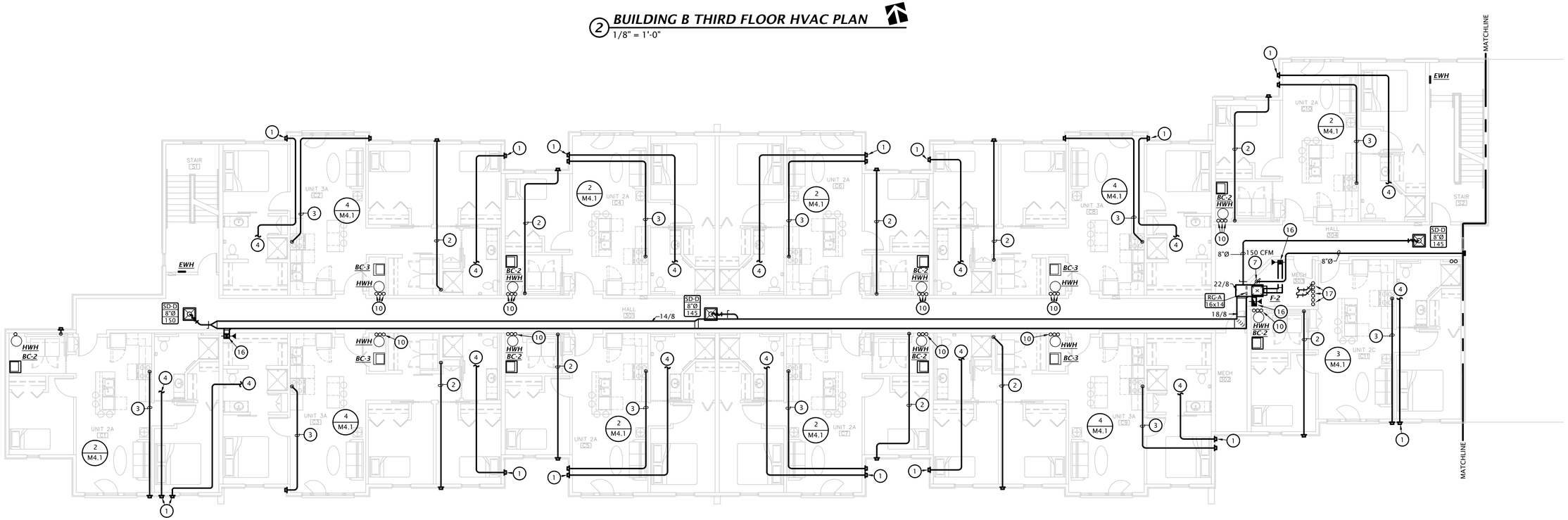


2 BUILDING B THIRD FLOOR HVAC PLAN

1/8" = 1'-0"



1 BUILDING A THIRD FLOOR HVAC PLAN

1/8" = 1'-0"

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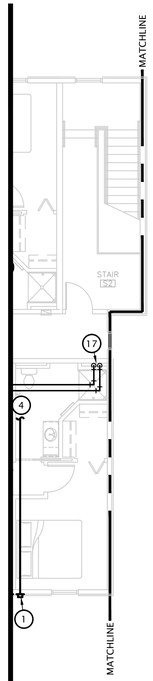
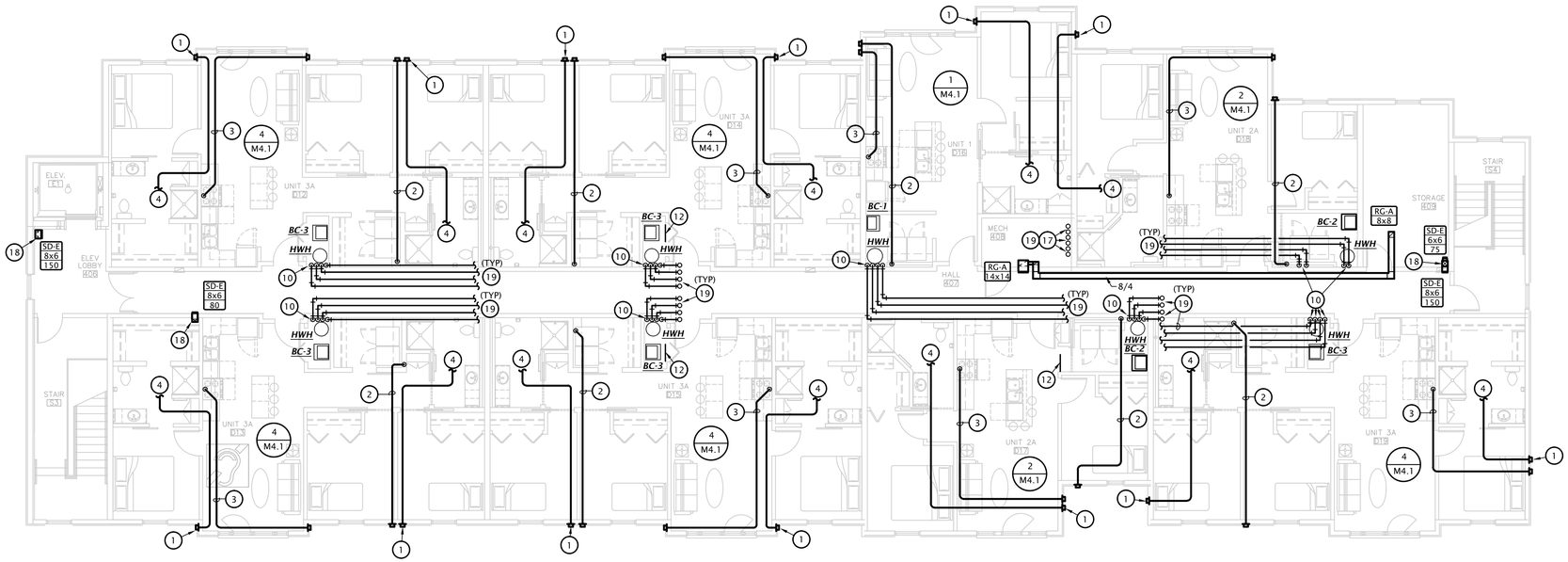
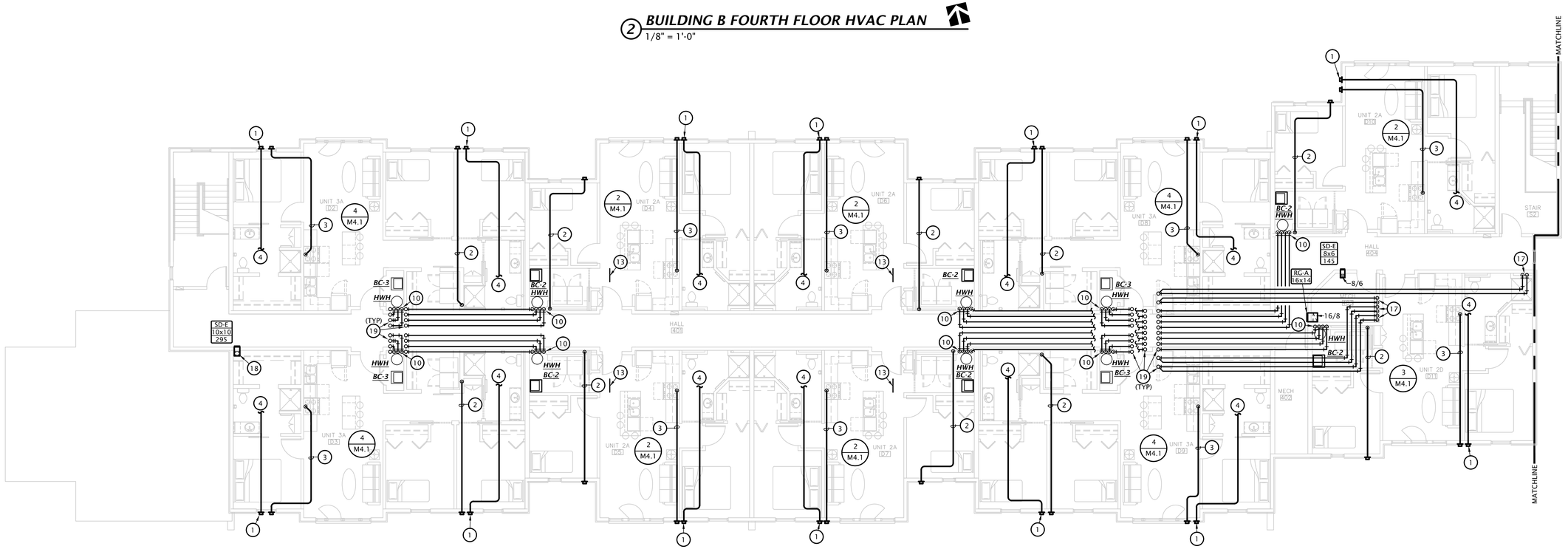




SEE SHEET M1.1 FOR NOTES BY SYMBOL

2 BUILDING B FOURTH FLOOR HVAC PLAN

1/8" = 1'-0"



1 BUILDING A FOURTH FLOOR HVAC PLAN

1/8" = 1'-0"

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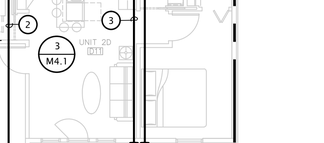

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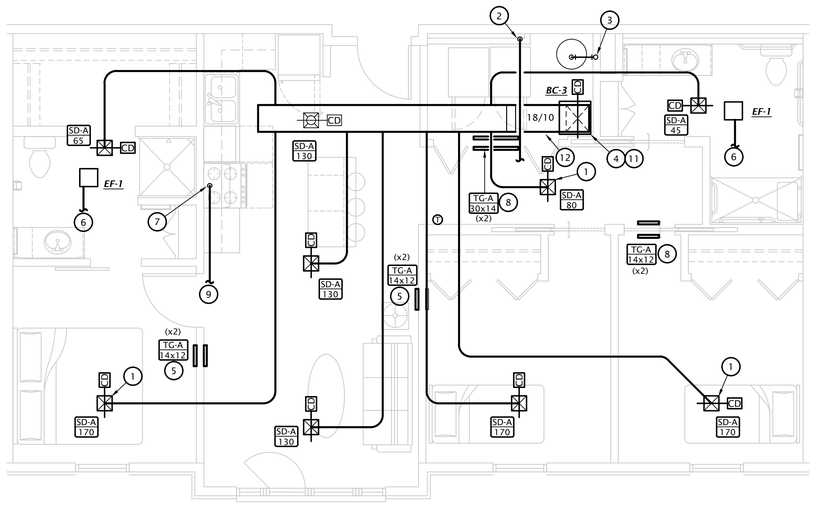
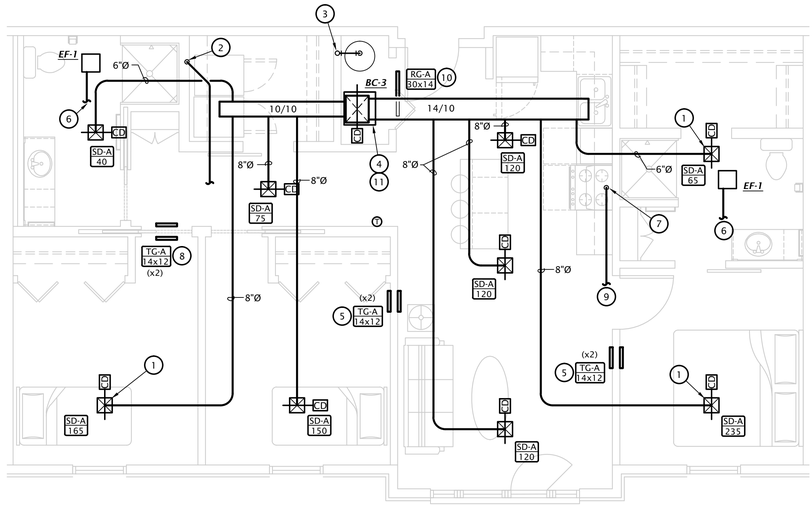
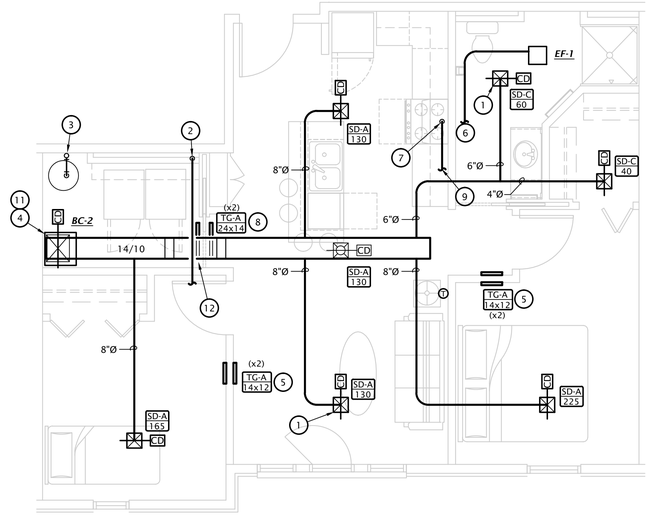


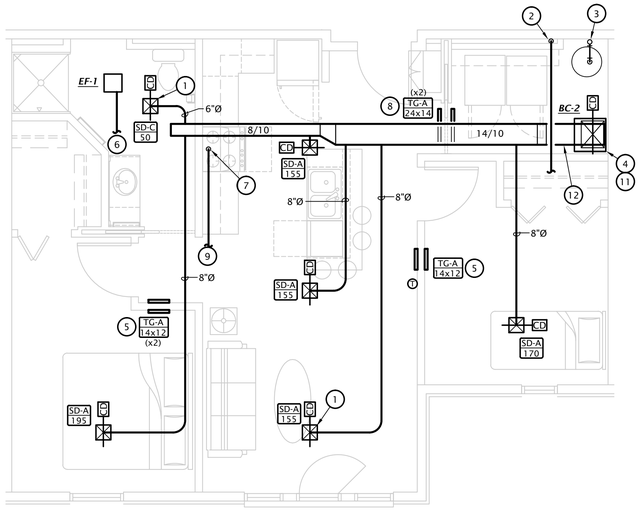
4 3 BEDROOM ACCESSIBLE HVAC PLAN
1/4" = 1'-0"



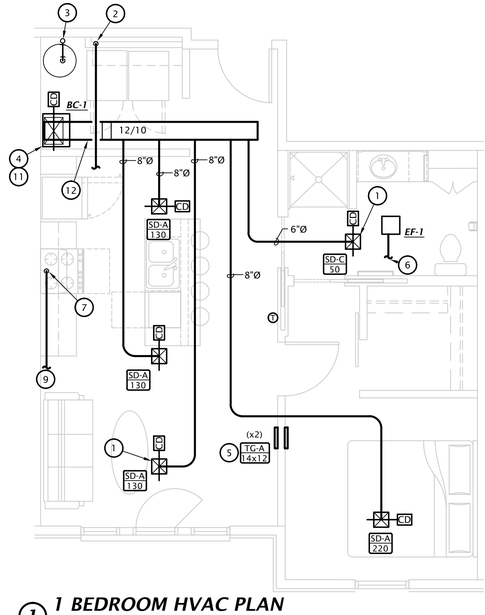
1 3 BEDROOM HVAC PLAN
1/4" = 1'-0"



4 2 BEDROOM HVAC PLAN (UNIT 2B)
1/4" = 1'-0"



2 2 BEDROOM HVAC PLAN (UNIT 2A)
1/4" = 1'-0"



1 1 BEDROOM HVAC PLAN
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Project 20086 May 2021

MECHANICAL NOTES BY SYMBOL

NOTES SHOWN ARE TYPICAL FOR ALL APARTMENTS WHERE APPLICABLE.

1. PROVIDE ALL SUPPLY AIR PENETRATIONS OF CEILING WITH U.L. LISTED RADIATION DAMPER, GREENHECK CRD OR EQUIVALENT, TYPICAL.
2. PROVIDE UL LISTED DRYER BOX EQUAL TO IN-O-VATE TECHNOLOGIES IN WALL INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND ROUTE 4"Ø DRYER EXHAUST DUCT TO DRYER MANUFACTURER'S RECOMMENDED WALL CAP WITH BACKDRAFT DAMPER. SEE OVERALL MECHANICAL PLANS FOR UNIT SPECIFIC ROUTING. MAXIMUM ALLOWABLE DUCT LENGTH = 35' WITH THREE 90° ELBOW. AT 2ND AND 3RD FLOORS ROUTE DUCT BELOW FLOOR TO EXTERIOR WALL. PROVIDE PERMANENT LABEL IDENTIFYING EQUIVALENT LENGTH OF DRYER DUCT INSTALLED PER IMC 504.

   NOTE: ANNULAR SPACE AROUND DUCT IS TO BE SEALED AT ALL PENETRATIONS OF FLOORS AND CEILINGS WITH U.L. LISTED FIRE STOPPING SYSTEM.

3. ROUTE VENT PIPING FROM WATER HEATERS UP THROUGH ROOF/WALL. TERMINATE WITH MANUFACTURER'S ROOF/WALL VENT TERMINATION. SIZE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS BASED ON EQUIVALENT LENGTH. SEE SEE SHEETS M1.1-M1.4 FOR EXACT ROUTING. SEE ROOF VENT DETAIL ON SHEET M6.1 FOR MORE INFORMATION.
4. PROVIDE AUXILIARY DRAIN PAN BELOW BLOWER COIL UNIT, AND PIPE OVERFLOW DRAIN TO FLOOR DRAIN.
5. INSTALL TRANSFER GRILLES ON OPPOSITE SIDES OF WALL. MOUNT GRILL 6" BELOW CEILING IN HALL AND 6" AFF IN BEDROOM, LINE STUD CAVITY WITH SHEET METAL DUCTWORK.
6. ROUTE 4"Ø EXHAUST DUCT TO WALL CAP. SEE OVERALL MECHANICAL PLANS FOR UNIT SPECIFIC ROUTING.
7. CONNECT TO EXHAUST CONNECTION AT RANGE HOOD PROVIDED BY OTHERS AND TRANSITION TO 6"Ø EXHAUST DUCT AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT PROVIDED. ROUTE 6"Ø EXHAUST DUCT UP THROUGH CABINET. WHERE DUCT PENETRATES HORIZONTAL RATED ASSEMBLY, PROVIDE FIRE STOP SYSTEM EQUAL TO HILTI SYSTEM NO. F-C-7025. ENSURE THICKNESS OF STEEL DUCT MEETS REQUIREMENTS OF FIRE STOP SYSTEM.
8. INSTALL TRANSFER GRILLES ON OPPOSITE SIDES OF WALL ABOVE BEDROOM DOOR. OFFSET VERTICALLY AS MUCH AS POSSIBLE, LINE STUD CAVITY WITH SHEET METAL DUCTWORK.
9. ROUTE 6" KITCHEN EXHAUST DUCT TO WALL CAP. SEE OVERALL MECHANICAL PLANS FOR UNIT SPECIFIC ROUTING.
10. INSTALL RETURN GRILLE CENTERED IN WALL ABOVE DOOR.
11. ROUTE REFRIGERANT PIPING FROM EVAPORATOR COIL TO MATCHING CONDENSING UNIT. SEE SHEETS M1.1 AND ME1.2 FOR CONDENSING UNIT LOCATIONS. (TYPICAL)
12. ROUTE DUCT AS LOW AS POSSIBLE IN FLOOR TRUSS SPACE TO PROVIDE CLEARANCE FOR DRYER EXHAUST VENT TO CROSS ABOVE. TRANSITION DUCT UP TO MIDDLE OF FLOOR TRUSS SPACE AFTER DRYER EXHAUST VENT.

NOTE: ON FOURTH FLOOR WHERE DUCTWORK OCCURS IN ATTIC, SEAL DUCTWORK PER IECC 2018, WRAP IN MIN. R-8 INSULATION, AND COVER WITH MIN. 3.5" BLOWN INSULATION, PER ZERO ENERGY READY HOMES REQUIREMENTS.

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DATE: 05-27-2021
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SHEET: M4.1

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HYDRONIC BLOWER COIL SCHEDULE

MARK	MANUF.	MODEL	FAN			HEATING MBH	GPM	ENTERING WATER TEMP.	V/Ph	MCA	MOCP
			CFM	ESP	SPEED						
BC-1	FIRST CO.	26UCXQ	660	0.4	HIGH	31.0	3.5	140	120	9	15
BC-2	FIRST CO.	32UCXQ	880	0.4	HIGH	37.7	3.5	140	120	11	15
BC-3	FIRST CO.	37UCXQ	1090	0.4	HIGH	41.3	3.5	140	120	11	15

Notes:

1. Single point connection required, coordinate the exact electrical requirements of equipment provided with E.C.
2. Hydronic blower coil shall have integral circulation pump, check valve, air purge valve, and built in controls for pump timer, condensate overflow switch, blower-on fan delay and blower-off fan delay.
3. Provide with 7-day programmable thermostat.
4. Provide with factory installed TXV compatible with provided condensing unit.

CONDENSING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	NOMINAL TONS	COOLING CAPACITIY				ELECTRICAL		
				OA DB	ENT AIR DB/WB	SENS MBH	TOT MBH	MCA	MOCP	V/Ph
CU-1	GOODMAN	GSX-16-018	1.5	85	75/59	14.3	16.6	12.2	20	208/1
CU-2	GOODMAN	GSX-16-024	2	85	75/59	19.0	21.8	17.8	30	208/1
CU-3	GOODMAN	GSX-16-030	2.5	85	75/59	23.6	26.8	17.0	25	208/1

Notes:

1. Refrigerant lines shall be field fabricated. Coordinate line sizing requirements with equipment manufacturer for length of run for each apartment. Provide suction accumulators, etc. as required.
2. Coordinate the exact electrical requirements of equipment provided with E.C.

GAS FIRED FURNACE SCHEDULE

MARK	MANUFACTURER	MODEL	FAN		NAT. GAS INPUT (MBH)	NAT. GAS OUTPUT (MBH)	MIN AFUE	V/Ph	MOTOR H.P.	MCA	MOCP
			CFM	ESP							
F-1	GOODMAN	GMEC96030	660	0.6	21/30	20.1/28.8	96%	120/1	1/2	8.6	15
F-2	GOODMAN	GMEC96040	880	0.6	28/40	26.8/38.4	96%	120/1	1/2	8.6	15
F-3	GOODMAN	GMEC96060	1090	0.6	42/60	40.3/57.6	96%	120/1	1/2	8.6	15

Notes:

1. Coordinate the exact electrical requirements of equipment provided with E.C.
2. Provide unit with manufacturer's high altitude gas kit.

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF OUTDOOR UNIT SCHEDULE

System Tag	Model Number	Nominal Cooling Capacity (BTU/h)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Corrected Cooling Total Capacity (BTU/h)	Electrical-Per Module			
						208V			
						Voltage / Phase	MCA 208/230 or [460V]	RFS	MOCP
HP-1	TRUYA0241HA70NA	24,000.0	85.0	-2.0	22,475.6	208/230V / 1-phase	19	25	26

Notes:
1 Provide unit with wind baffle for low-ambient cooling.
2 Outdoor unit operating temperature range: 115 DB / -40 DB

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF INDOOR UNIT SCHEDULE

System Tag	Model	Type	Nominal Cooling Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	Heating Design Entering Temp DB/WB (°F) / [Water in temp]	Corrected Capacity		Estimated Cooling Coil LAT (°F) / [LWT]	Refrig Pipe Dim Liquid/Suction (inch)	Fan Speed Setting	Peak Fan Airflow (cfm) / [Design gpm G(US)/min]	Voltage / Phase	Electrical MCA/MFS
						Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)						
IU-1	TPKA0A0241KA70A	Wall -Mounted	24,000.0	80.0/63.0	70.0	22,475.6	21,913.3	53.3	5/8 / 3/8	HIGH	775	208V/1-phase	Powered by Outdoor

ELECTRIC HEATER SCHEDULE

MARK	MANUF.	MODEL	MOUNTING	WATTS	VOLTAGE/PHASE	DESCRIPTION	NOTES
EWH	TRANE	UHWA	WALL	1,500	120/1	Architectural fan forced wall heater	1,2,3
EH-1	BERKO	RUX500412	WALL	5,000	208/1	Explosion proof heater	4,5,6,7

NOTES:

1. Provide with high temp. thermal cutout and fan delay.
2. Provide with integral thermostat and unit mounted disconnect switch.
3. Provide with manufacturer's surface mounting adapter sleeve. Coordinate exact mounting requirements and location with Arch.
4. Provide with 24V thermostat.
5. Provide with mounting bracket as required.
6. Provide with integral disconnect switch.
7. Mount at 8'-0" AFF.

EXHAUST FAN SCHEDULE

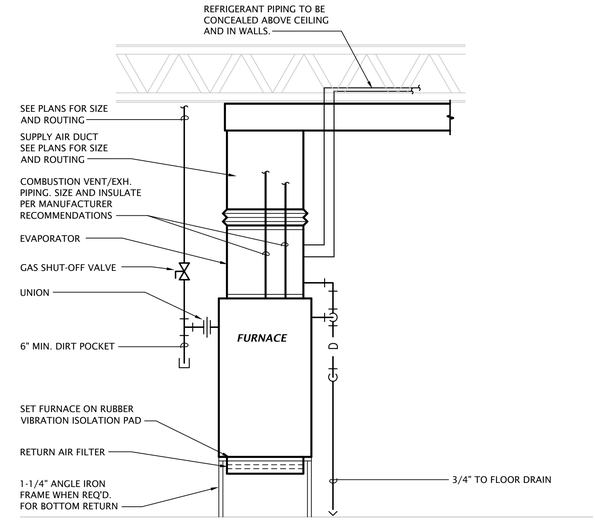
MARK	MANUFACTURER	MODEL	CFM	ESP (" wg)	POWER	VOLTS/ PHASE	NOTES
EF-1	BROAN	X880	80	0.4"	6 W	120 / 1	1,2,3,4, 5,6,7
EF-2	COOK	GC-128	60	0.25	30 W	120/1	3,4,5,6

NOTES:

1. Fixture shall be Energy Star listed.
2. Fixture shall operate at <1 SONE
3. Provide integral disconnect.
4. Provide manufacturer's wall cap or roof jack, see plans.
5. Provide integral backdraft damper.
6. Provide with manufacturer's ceiling radiation damper.
7. Fixture occurs in each tenant unit.

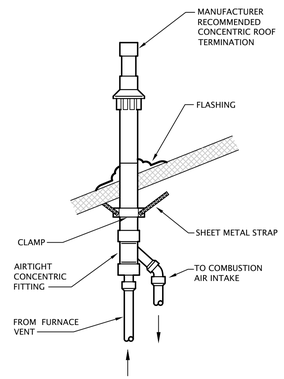
AIR DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL	FACE SIZE	NECK SIZE
SD-A	HART & COOLEY	684	12"x12"	SEE PLANS
SD-B	HART & COOLEY	684	10"x10"	SEE PLANS
SD-C	HART & COOLEY	684	8"x8"	SEE PLANS
SD-D	HART & COOLEY	DPD	24"x24"	SEE PLANS
SD-E	HART & COOLEY	92HVV	SEE PLANS	---
RG-A	HART & COOLEY	650	SEE PLANS	---
TG-A	HART & COOLEY	650	SEE PLANS	---



3 FURNACE DETAIL

NO SCALE



2 PVC ROOF VENT DETAIL

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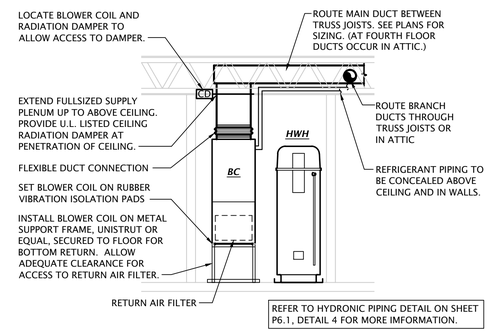

1 TYPICAL BLOWER COIL DETAIL

Not to Scale

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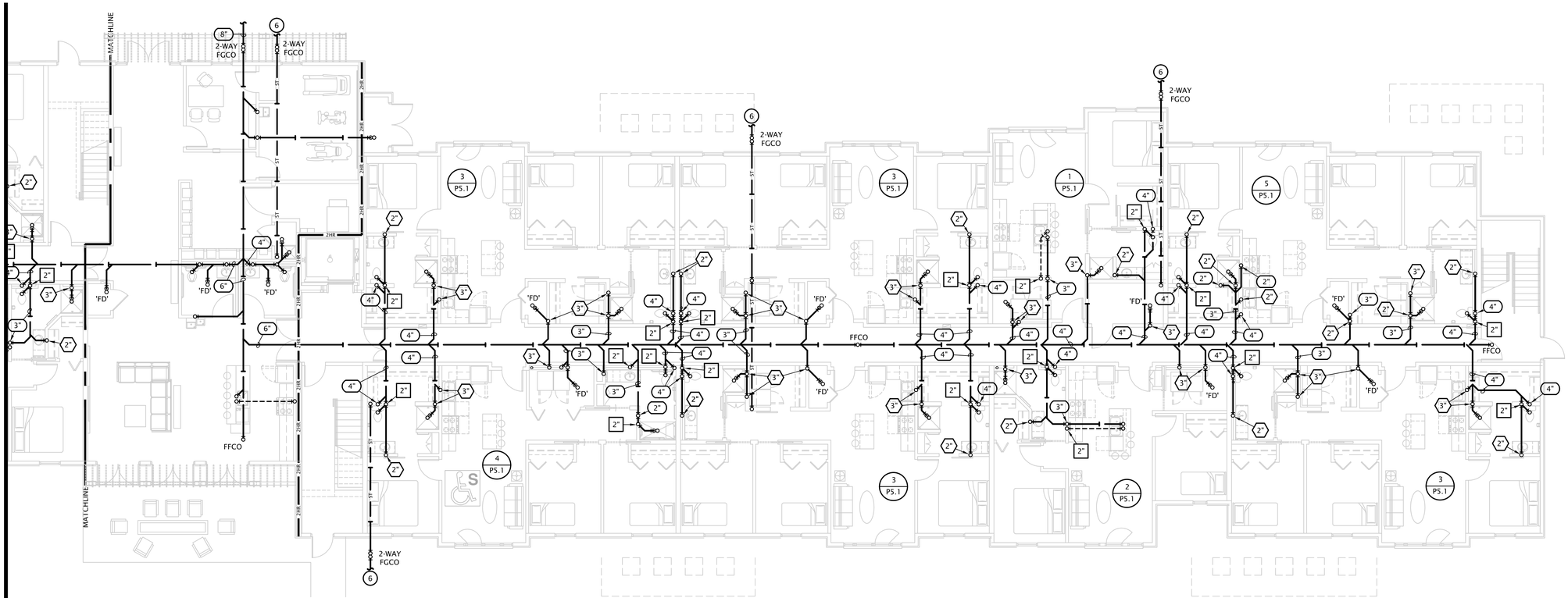
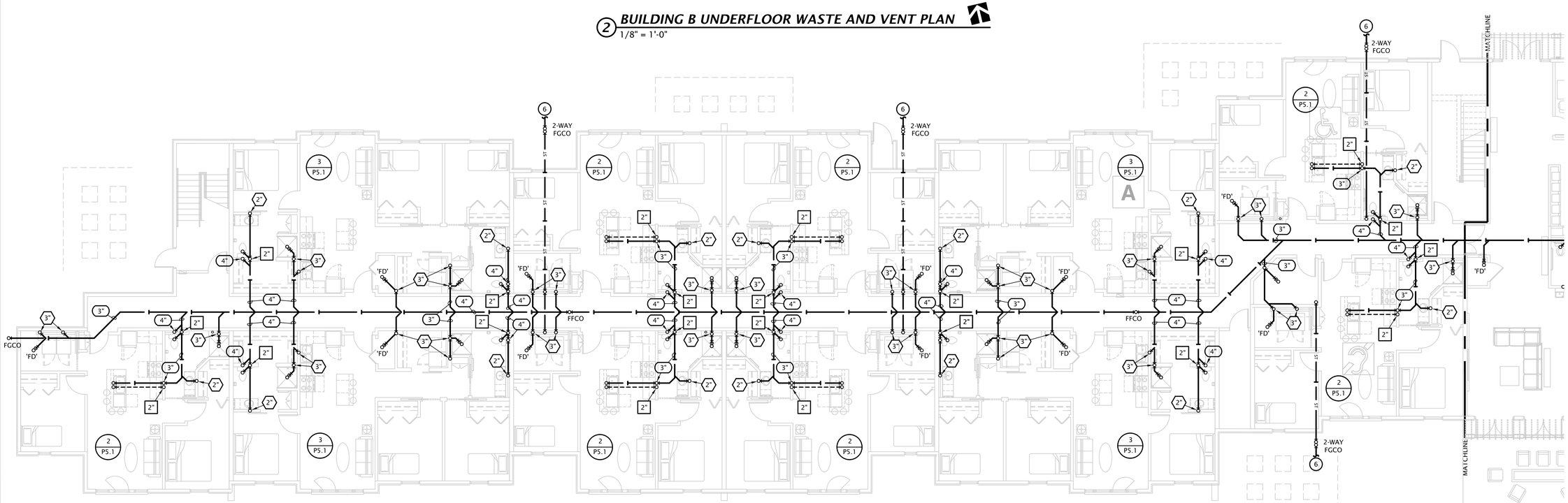


2 BUILDING B UNDERFLOOR WASTE AND VENT PLAN

1/8" = 1'-0"



1 BUILDING A UNDERFLOOR WASTE AND VENT PLAN

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Project 20086 May 2021

PLUMBING SIZING SYMBOLS

X"	DRAIN (X = SIZE)
X"	VENT (X = SIZE)
X"	WASTE STACK VENT (X = SIZE)

WASTE STACK VENT NOTE:
ALL OFFSETS ARE PROHIBITED BETWEEN LOWEST AND HIGHEST FIXTURE DRAIN CONNECTION TO WASTE STACK VENT (IPC 913.2)

NOTES:

- SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
- SEE WASTE AND VENT ISOMETRICS ON SHEET P5.1 FOR ADDITIONAL INFORMATION.
PIPING SHALL NOT BE ROUTED VERTICALL IN FIREWALLS SEPARATEING UNITS. ALL PIPING SHALL BE ROUTED VERTICALLY IN FURRED OUT WALL AS INDICATED ON PLANS. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

NOTES BY SYMBOL

1. 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
2. ROUTE 2" DISCHARGE FROM SUMP PUMP THROUGH EXTERIOR WALL AT 18" ABOVE GRADE AND TERMINATE ABOVE SPLASH BLOCK WITH ELBOW DOWN. COORDINATE WITH G.C.
3. ELEVATOR PIT SUMP PUMP, SEE 2:P6.1 FOR MORE INFORMATION.
4. PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY, COORDINATE EXACT ROUTING WITH G.C.
5. ROUTE ROOF DRAINAGE AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES.
6. EXTEND TO STORM DRAIN BELOW GRADE. COORDINATE WITH CIVIL ENGINEER.
7. TERMINATE ROOF OVERFLOW DRAIN AT DOWNSPOUT NOZZLE AT 2'-0" A.F.G., COORDINATE EXACT LOCATION WITH ARCH.
8. ISLAND VENT, SEE DETAIL 6 ON SHEET P6.1 FOR MORE DETAIL.
9. ROUTE PIPING CONCEALED IN SOFFIT.
10. ROUTE ROOF DRAIN DOWN FROM ROOF TO SITE STORM DRAIN.
11. ROUTE ROOF OVERFLOW DRAIN FROM ROOF TO DOWNSPOUT NOZZLE..
12. OFFSET RADON PIPE TO PITCHED ROOF WHERE LOCATED UNDER FLAT ROOF.

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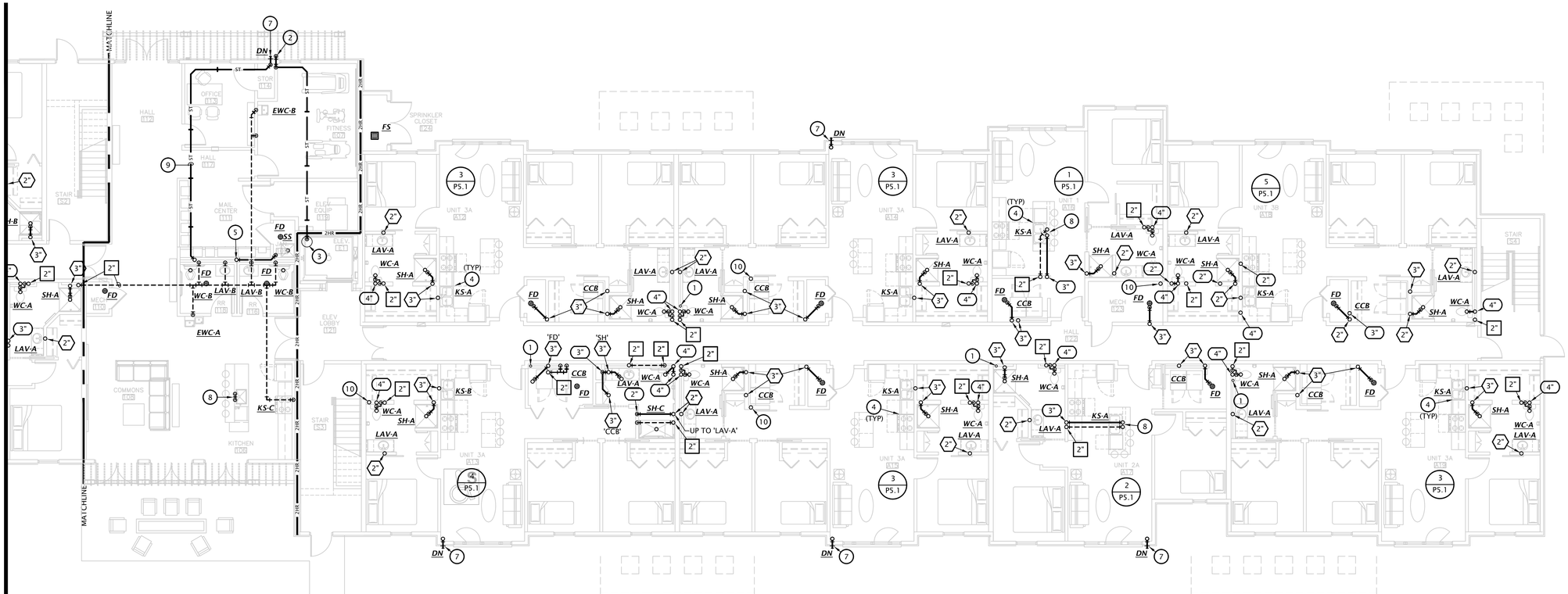
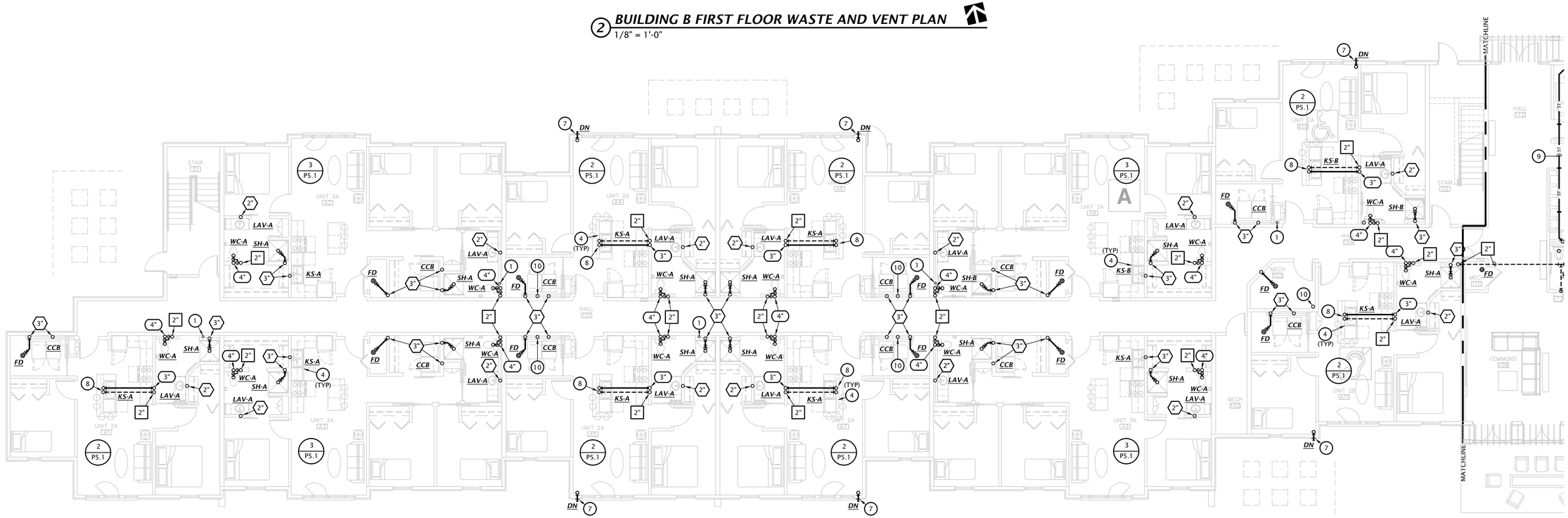


2 BUILDING B FIRST FLOOR WASTE AND VENT PLAN

1/8" = 1'-0"



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NOTES BY SYMBOL

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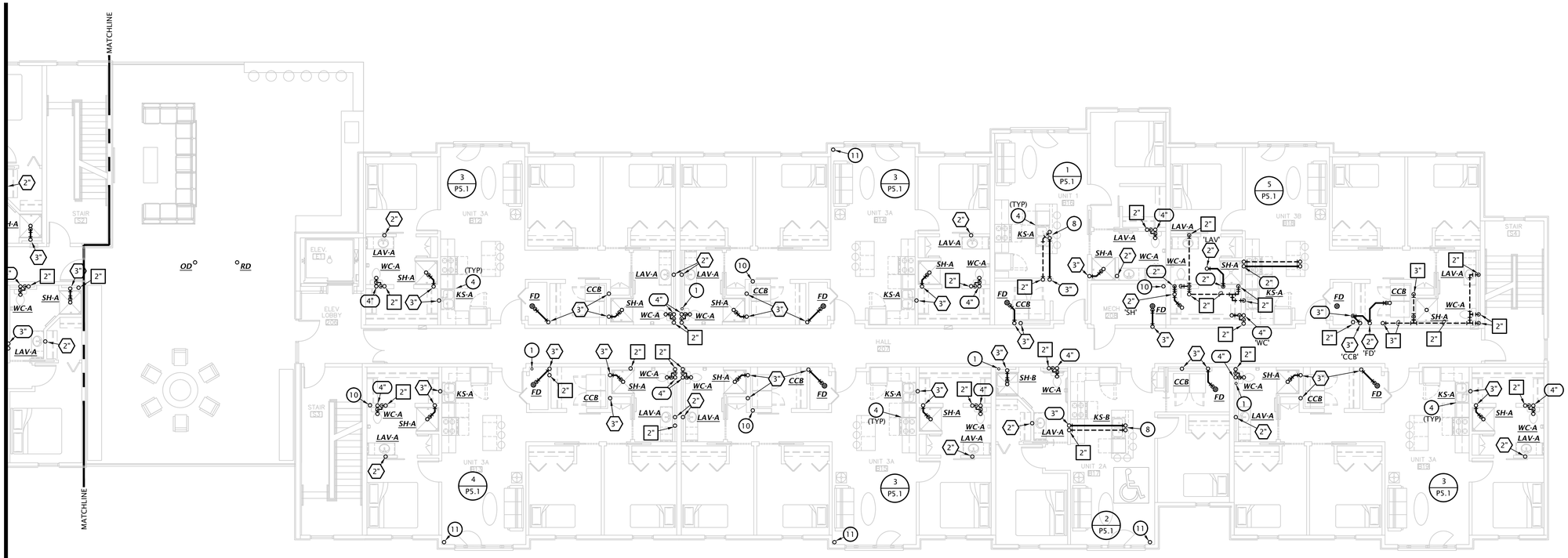
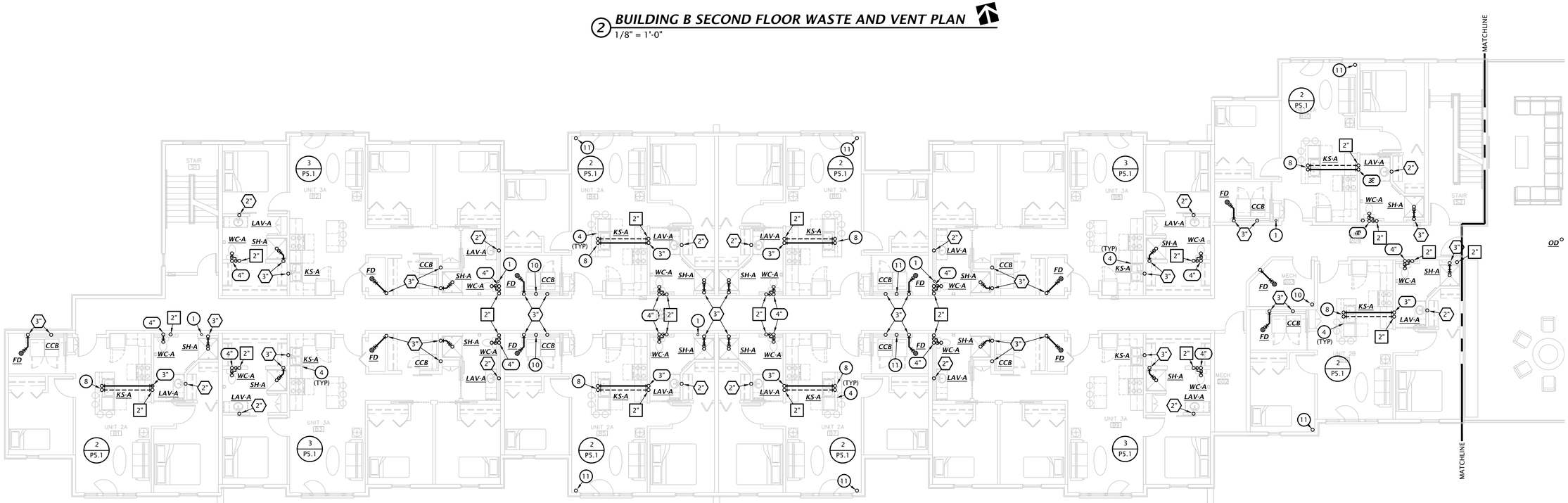


2 BUILDING B SECOND FLOOR WASTE AND VENT PLAN

1/8" = 1'-0"



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JONES GILLAM RENZ

ANGLERS FOUR HUNDRED

APARTMENT COMPLEX

STEAMBOAT SPRINGS, COLORADO

DATE: 05-27-2021
JOB: 19-3047
SHEET: P1.2

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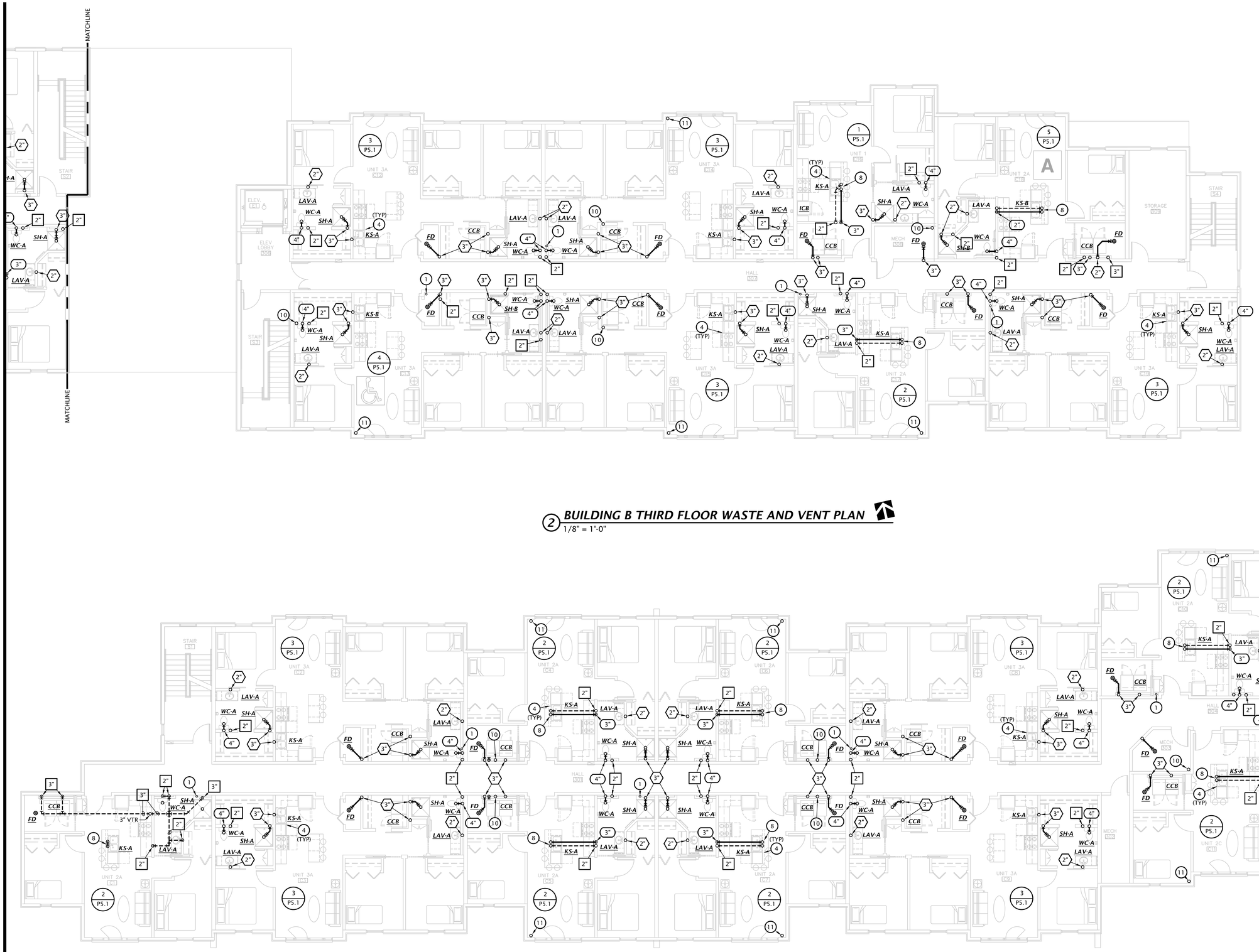
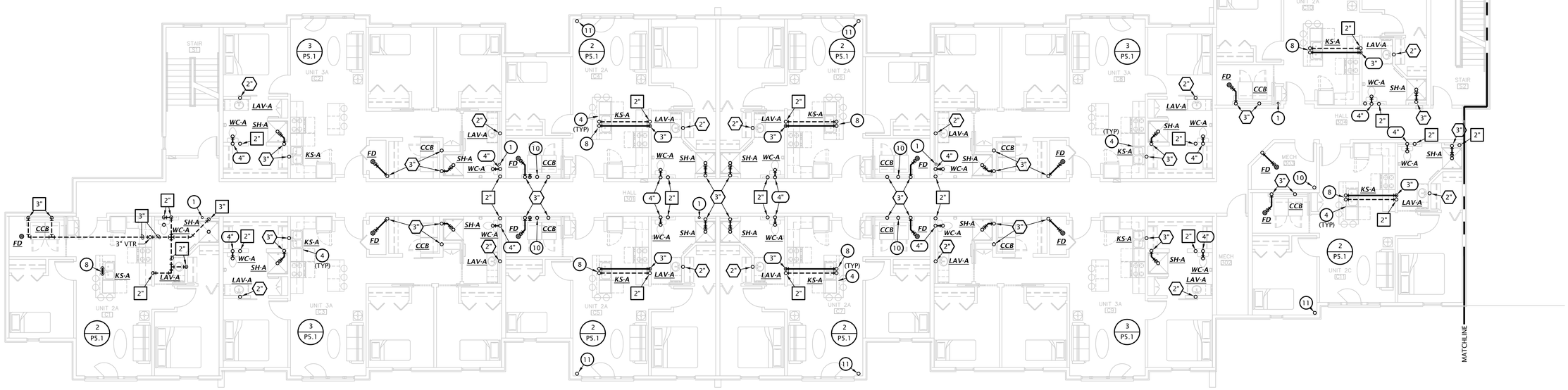


2 BUILDING B THIRD FLOOR WASTE AND VENT PLAN

1/8" = 1'-0"



1 BUILDING A THIRD FLOOR WASTE AND VENT PLAN

1/8" = 1'-0"

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Project 20086 May 2021

PLUMBING SIZING SYMBOLS

X"	DRAIN (X = SIZE)
X"	VENT (X = SIZE)
X"	WASTE STACK VENT (X = SIZE)

WASTE STACK VENT NOTE:
ALL OFFSETS ARE PROHIBITED BETWEEN LOWEST AND HIGHEST FIXTURE DRAIN CONNECTION TO WASTE STACK VENT (IPC 913.2)

NOTES:

- SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
- SEE WASTE AND VENT ISOMETRICS ON SHEET P5.1 FOR ADDITIONAL INFORMATION.
PIPING SHALL NOT BE ROUTED VERTICALL IN FIREWALLS SEPARATEING UNITS. ALL PIPING SHALL BE ROUTED VERTICALLY IN FURRED OUT WALL AS INDICATED ON PLANS. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

NOTES BY SYMBOL

1. 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
2. ROUTE 2" DISCHARGE FROM SUMP PUMP THROUGH EXTERIOR WALL AT 18" ABOVE GRADE AND TERMINATE ABOVE SPLASH BLOCK WITH ELBOW DOWN. COORDINATE WITH G.C.
3. ELEVATOR PIT SUMP PUMP, SEE 2:P6.1 FOR MORE INFORMATION.
4. PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY, COORDINATE EXACT ROUTING WITH G.C.
5. ROUTE ROOF DRAINAGE AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES.
6. EXTEND TO STORM DRAIN BELOW GRADE. COORDINATE WITH CIVIL ENGINEER.
7. TERMINATE ROOF OVERFLOW DRAIN AT DOWNSPOUT NOZZLE AT 2'-0" A.F.G., COORDINATE EXACT LOCATION WITH ARCH.
8. ISLAND VENT, SEE DETAIL 6 ON SHEET P6.1 FOR MORE DETAIL.
9. ROUTE PIPING CONCEALED IN SOFFIT.
10. ROUTE ROOF DRAIN DOWN FROM ROOF TO SITE STORM DRAIN.
11. ROUTE ROOF OVERFLOW DRAIN FROM ROOF TO DOWNSPOUT NOZZLE..
12. OFFSET RADON PIPE TO PITCHED ROOF WHERE LOCATED UNDER FLAT ROOF.

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SHEET: P1.3

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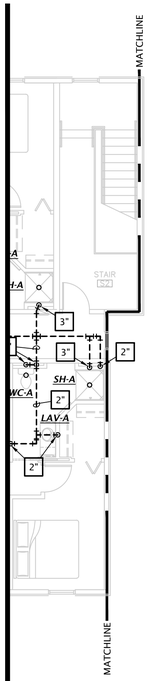
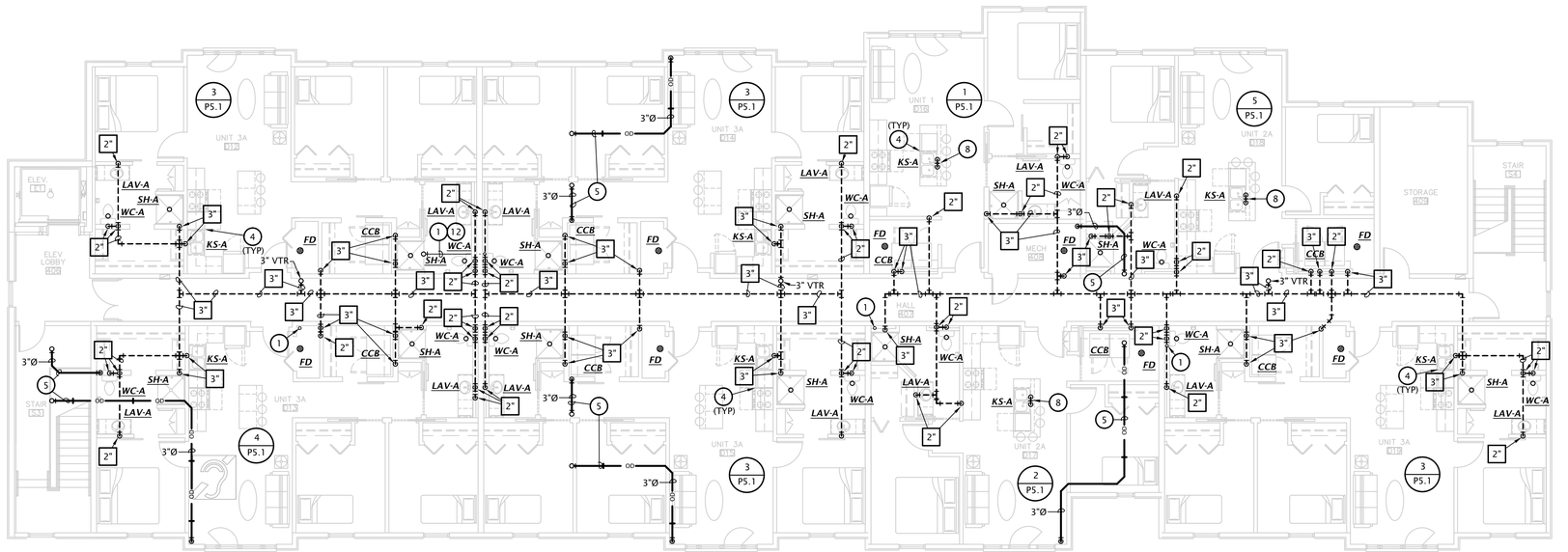
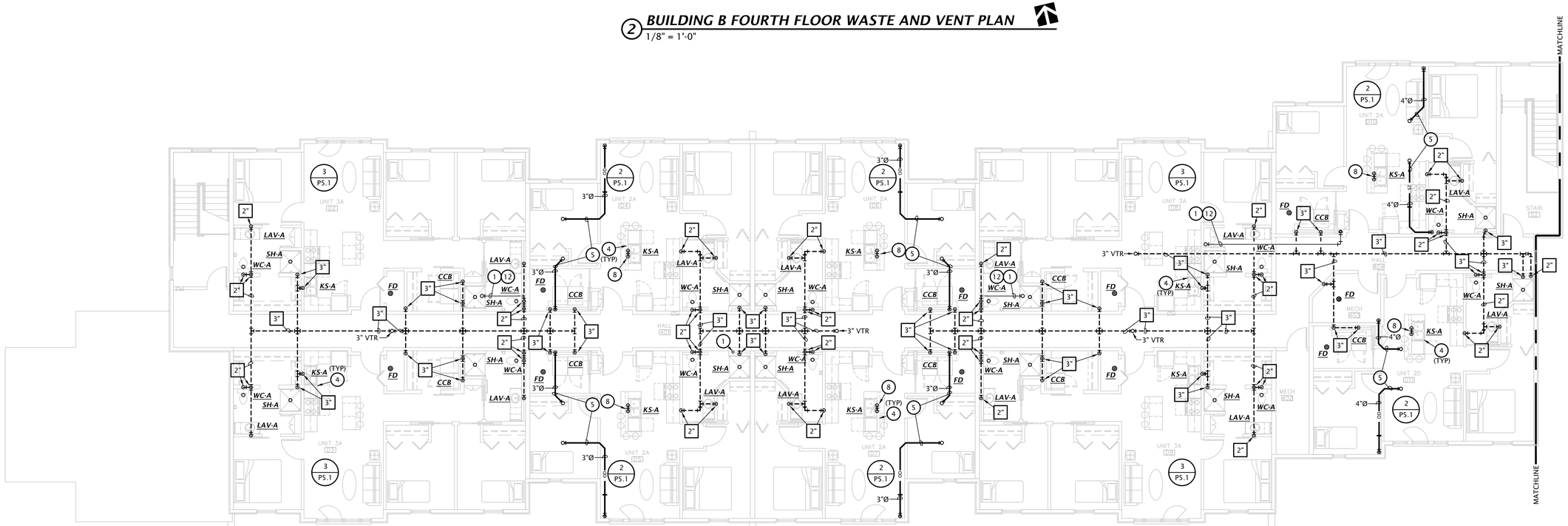




2 BUILDING B FOURTH FLOOR WASTE AND VENT PLAN

1/8" = 1'-0"



1 BUILDING A FOURTH FLOOR WASTE AND VENT PLAN

1/8" = 1'-0"

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PIPING SHALL NOT BE ROUTED VERTICALL IN FIREWALLS SEPARATEING UNITS. ALL PIPING SHALL BE ROUTED VERTICALLY IN FURRED OUT WALL AS INDICATED ON PLANS. VERIFY DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

NOTES BY SYMBOL

1. 4" PVC PIPE FOR RADON SYSTEM. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
2. ROUTE 2" DISCHARGE FROM SUMP PUMP THROUGH EXTERIOR WALL AT 18" ABOVE GRADE AND TERMINATE ABOVE SPLASH BLOCK WITH ELBOW DOWN. COORDINATE WITH G.C.
3. ELEVATOR PIT SUMP PUMP, SEE 2:P6.1 FOR MORE INFORMATION.
4. PROVIDE INDIRECT CONNECTION AT GARBAGE DISPOSER AND CONNECT DISHWASHER. ROUTE DRAIN FROM DISHWASHER AT BACK OF CABINETRY, COORDINATE EXACT ROUTING WITH G.C.
5. ROUTE ROOF DRAINAGE AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES.
6. EXTEND TO STORM DRAIN BELOW GRADE. COORDINATE WITH CIVIL ENGINEER.
7. TERMINATE ROOF OVERFLOW DRAIN AT DOWNSPOUT NOZZLE AT 2'-0" A.F.G., COORDINATE EXACT LOCATION WITH ARCH.
8. ISLAND VENT, SEE DETAIL 6 ON SHEET P6.1 FOR MORE DETAIL.
9. ROUTE PIPING CONCEALED IN SOFFIT.
10. ROUTE ROOF DRAIN DOWN FROM ROOF TO SITE STORM DRAIN.
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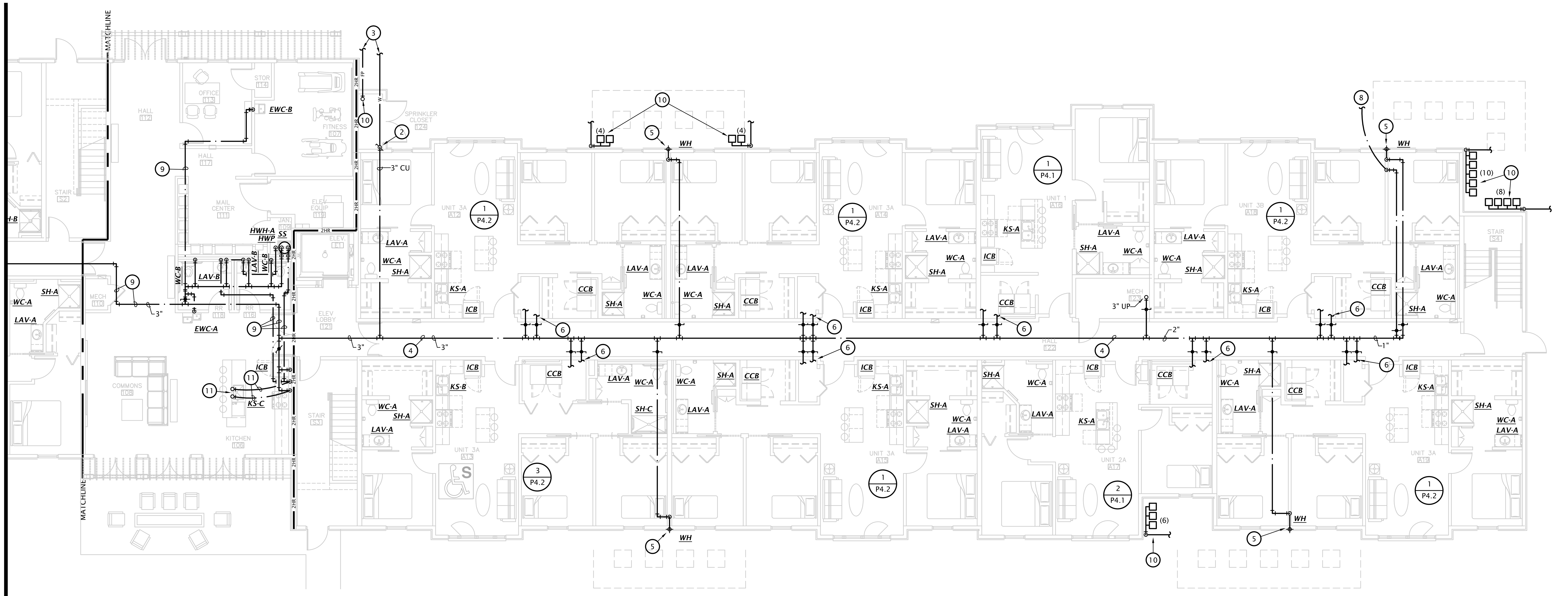
NOTES:

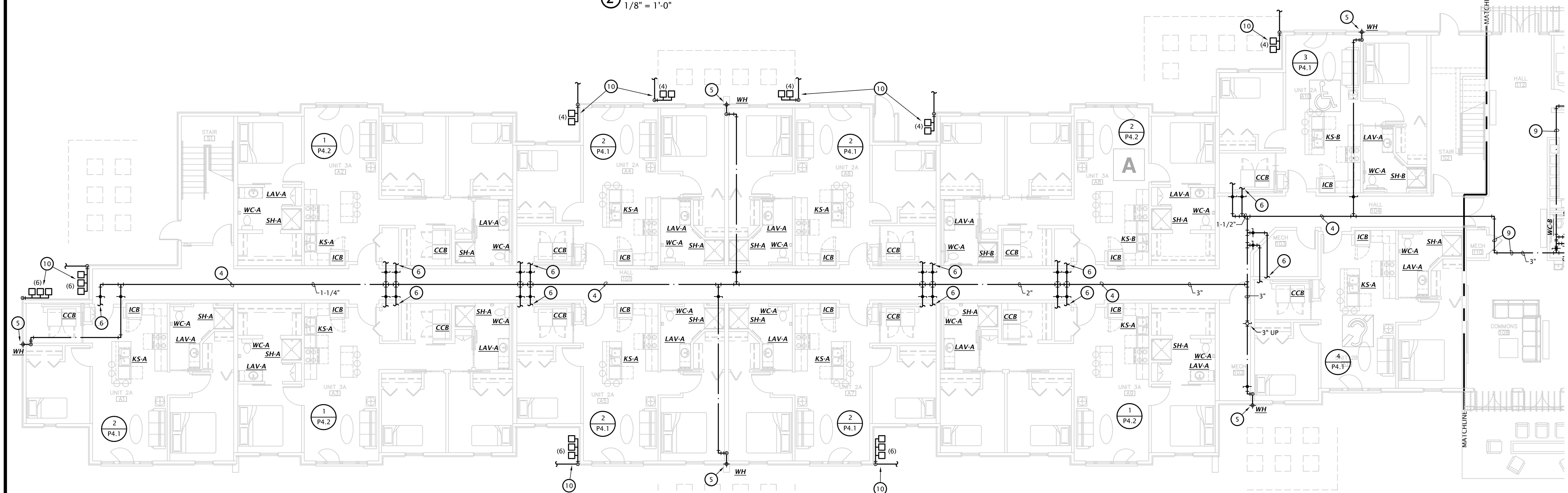
- SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
- 1/2" HOT WATER PIPING SHALL BE ROUTED TO ENSURE THE MAX. DISTANCE FROM THE HOT WATER RECIRCULATION LOOP TO PUBLIC LAVATORIES DOES NOT EXCEED 2', PER 2018 IECC TABLE C404.5.1

NOTES BY SYMBOL

1. FIRE PROTECTION SERVICE ENTRANCE. INSTALL IN ACCORDANCE WITH NFPA 13R. COORDINATE LOCATION OF ALL VALVES AND APPURTENANCES WITH AHJ. SEE DIAGRAM ON SHEET M6.2 FOR MORE INFORMATION.
2. 3" DOMESTIC WATER SERVICE AND FULL SIZE SHUT OFF VALVE. PROVIDE PRESSURE REDUCING VALVE SET TO 80 PSI IF REQUIRED.
3. SEE CIVIL DRAWINGS FOR CONTINUATION.
4. DOMESTIC WATER PIPING OCCURS BETWEEN FIRST AND SECOND FLOOR. LOCATE SHUT-OFF VALVES ABOVE LAY-IN CEILINGS.
5. COORDINATE WALL HYDRANT MOUNTING HEIGHT WITH ARCHITECT.
6. PROVIDE 1-1/4" WATER SERVICE TO EACH APARTMENT, REFERENCE ENLARGED PLUMBING PLANS ON SHEET P4.1-P4.2 FOR MORE INFORMATION. PROVIDE FULL-SIZED SHUT-OFF VALVE FOR EACH APARTMENT. LABEL EACH SHUTOFF VALVE WITH APARTMENT NUMBER OF UNIT BEING SERVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
7. DOMESTIC WATER PIPING OCCURS BETWEEN SECOND AND THIRD FLOOR. LOCATE SHUT-OFF VALVES ABOVE LAY-IN CEILINGS.
8. ROUTE 1" DOMESTIC WATER PIPING BELOW GRADE TO MAINTENANCE SHED. SEE SHEET ME1.1 AND CIVIL DRAWINGS FOR MORE INFORMATION.
9. ROUTE WATER PIPING CONCEALED IN LOWERED SOFFIT.
10. PROPOSED GAS METER LOCATIONS. UPON COMPLETION OF GAS MAIN EXTENSION AND FINALIZATION OF GAS METER LOCATIONS BY ATMOS ENERGY, ENGINEER WILL DESIGN GAS SYSTEM AND SUBMIT SEALED DRAWINGS TO CITY FOR REVIEW.
11. 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.
12. ROUTE PIPING BELOW GRADE TO 'KS-C'.



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



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

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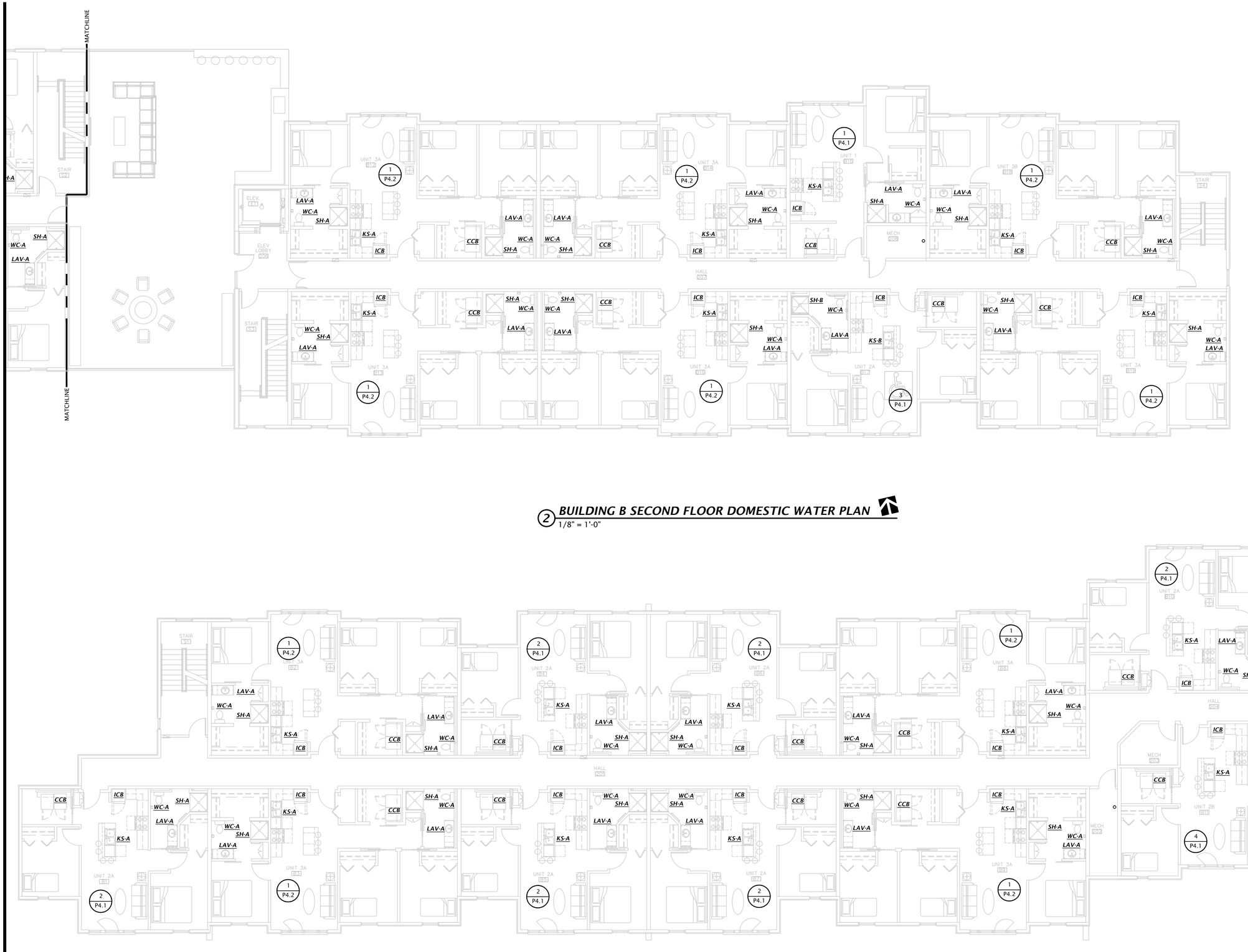
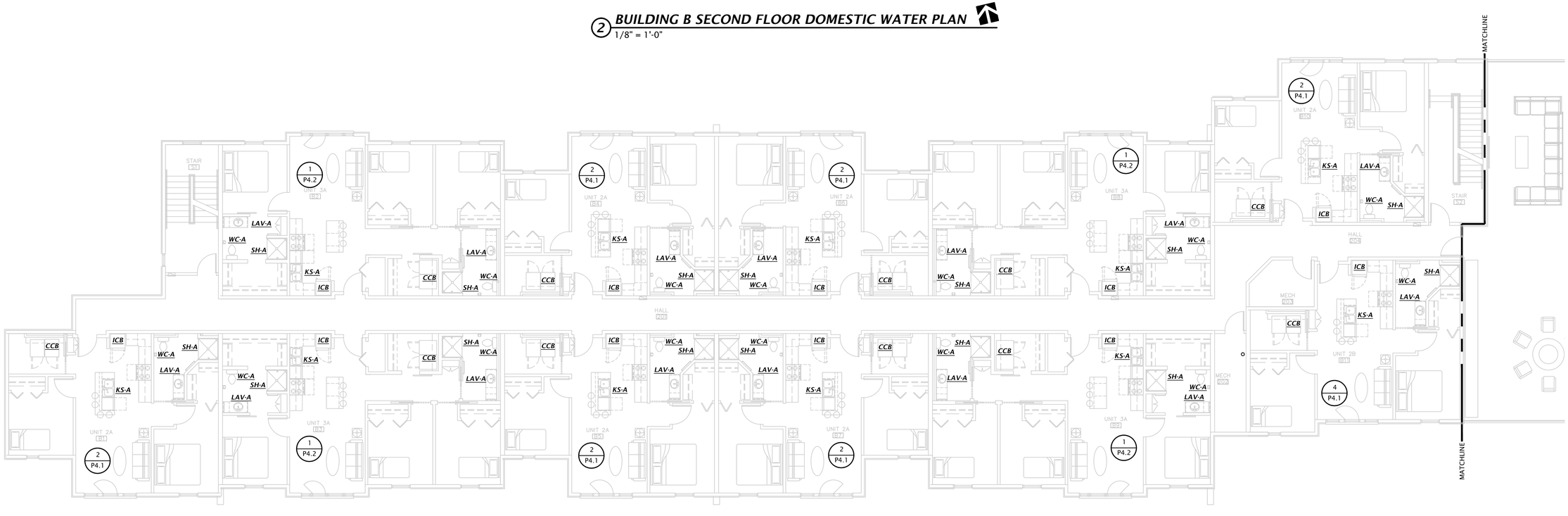


2 BUILDING B SECOND FLOOR DOMESTIC WATER PLAN

1/8" = 1'-0"



1 BUILDING A SECOND FLOOR DOMESTIC WATER PLAN

1/8" = 1'-0"

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NOTES:

- SEE PLUMBING ROUGH-IN SCHEDULE ON SHEET P6.1 FOR INDIVIDUAL FIXTURE CONNECTION SIZES AND ADDITIONAL INFORMATION.
- 1/2" HOT WATER PIPING SHALL BE ROUTED TO ENSURE THE MAX. DISTANCE FROM THE HOT WATER RECIRCULATION LOOP TO PUBLIC LAVATORIES DOES NOT EXCEED 2", PER 2018 IECC TABLE C404.5.1

NOTES BY SYMBOL

1. FIRE PROTECTION SERVICE ENTRANCE. INSTALL IN ACCORDANCE WITH NFPA 13R. COORDINATE LOCATION OF ALL VALVES AND APPURTENANCES WITH AHJ. SEE DIAGRAM ON SHEET M6.2 FOR MORE INFORMATION.
2. 3" DOMESTIC WATER SERVICE AND FULL SIZE SHUT OFF VALVE. PROVIDE PRESSURE REDUCING VALVE SET TO 80 PSI IF REQUIRED.
3. SEE CIVIL DRAWINGS FOR CONTINUATION.
4. DOMESTIC WATER PIPING OCCURS BETWEEN FIRST AND SECOND FLOOR. LOCATE SHUT-OFF VALVES ABOVE LAY-IN CEILINGS.
5. COORDINATE WALL HYDRANT MOUNTING HEIGHT WITH ARCHITECT.
6. PROVIDE 1-1/4" WATER SERVICE TO EACH APARTMENT, REFERENCE ENLARGED PLUMBING PLANS ON SHEET P4.1-P4.2 FOR MORE INFORMATION. PROVIDE FULL-SIZED SHUT-OFF VALVE FOR EACH APARTMENT. LABEL EACH SHUTOFF VALVE WITH APARTMENT NUMBER OF UNIT BEING SERVED. COORDINATE WITH ARCHITECTURAL DRAWINGS.
7. DOMESTIC WATER PIPING OCCURS BETWEEN SECOND AND THIRD FLOOR. LOCATE SHUT-OFF VALVES ABOVE LAY-IN CEILINGS.
8. ROUTE 1" DOMESTIC WATER PIPING BELOW GRADE TO MAINTENANCE SHED. SEE SHEET ME1.1 AND CIVIL DRAWINGS FOR MORE INFORMATION.
9. ROUTE WATER PIPING CONCEALED IN LOWERED SOFFIT.
10. PROPOSED GAS METER LOCATIONS. UPON COMPLETION OF GAS MAIN EXTENSION AND FINALIZATION OF GAS METER LOCATIONS BY ATMOS ENERGY, ENGINEER WILL DESIGN GAS SYSTEM AND SUBMIT SEALED DRAWINGS TO CITY FOR REVIEW.
11. 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.
12. ROUTE PIPING BELOW GRADE TO 'KS-C'.

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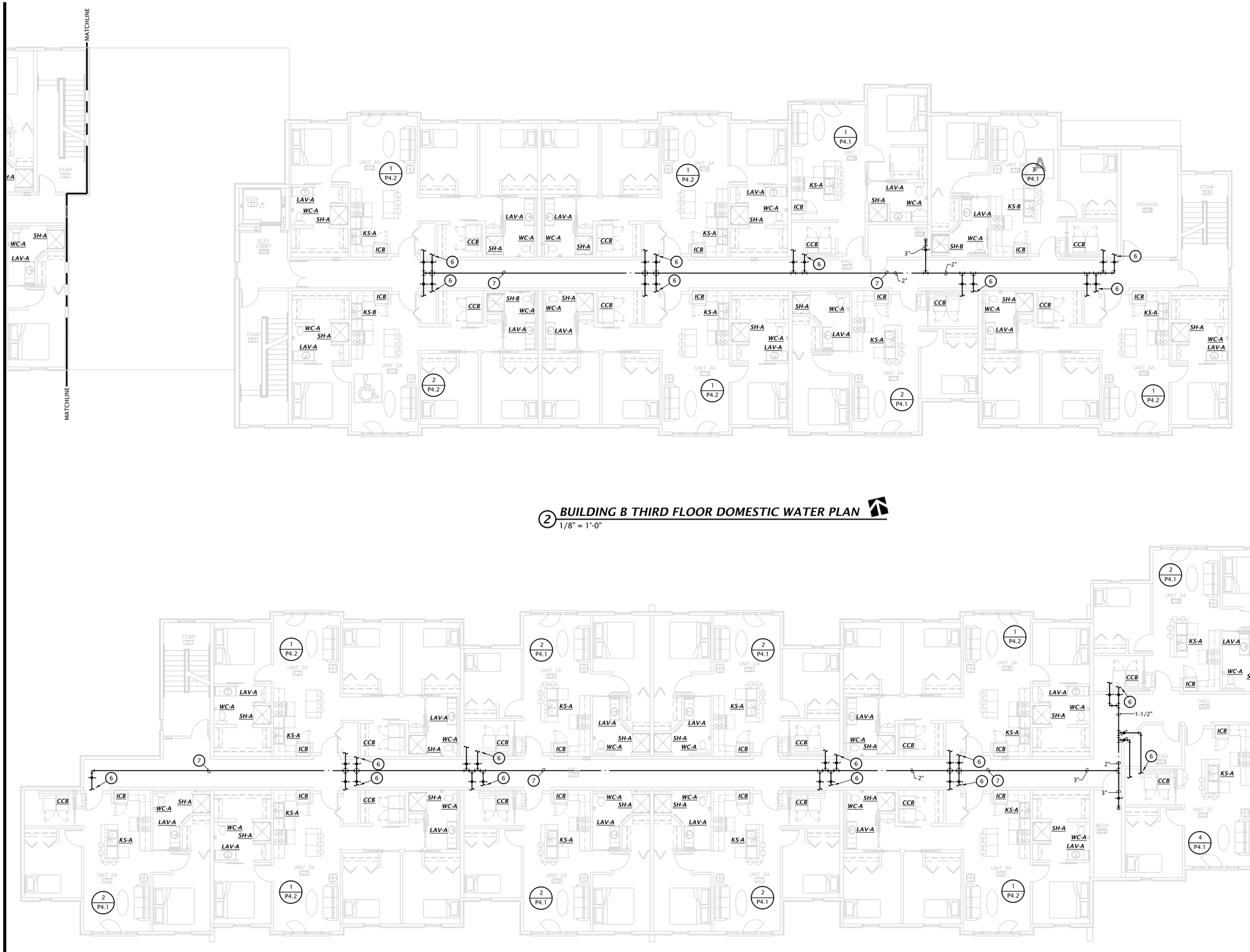
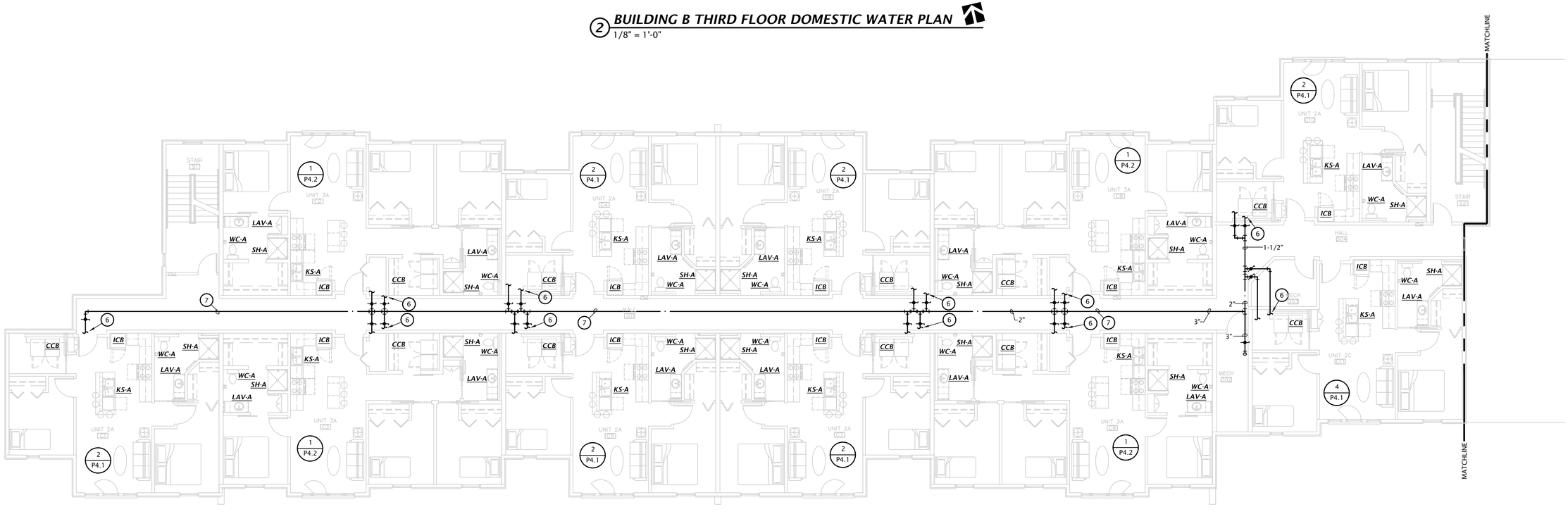


2 BUILDING B THIRD FLOOR DOMESTIC WATER PLAN

1/8" = 1'-0"



1 BUILDING A THIRD FLOOR DOMESTIC WATER PLAN

1/8" = 1'-0"

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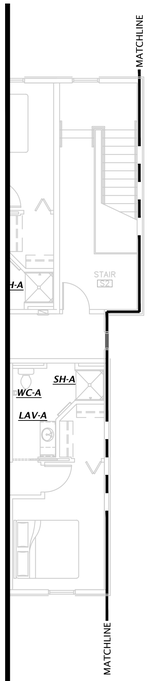
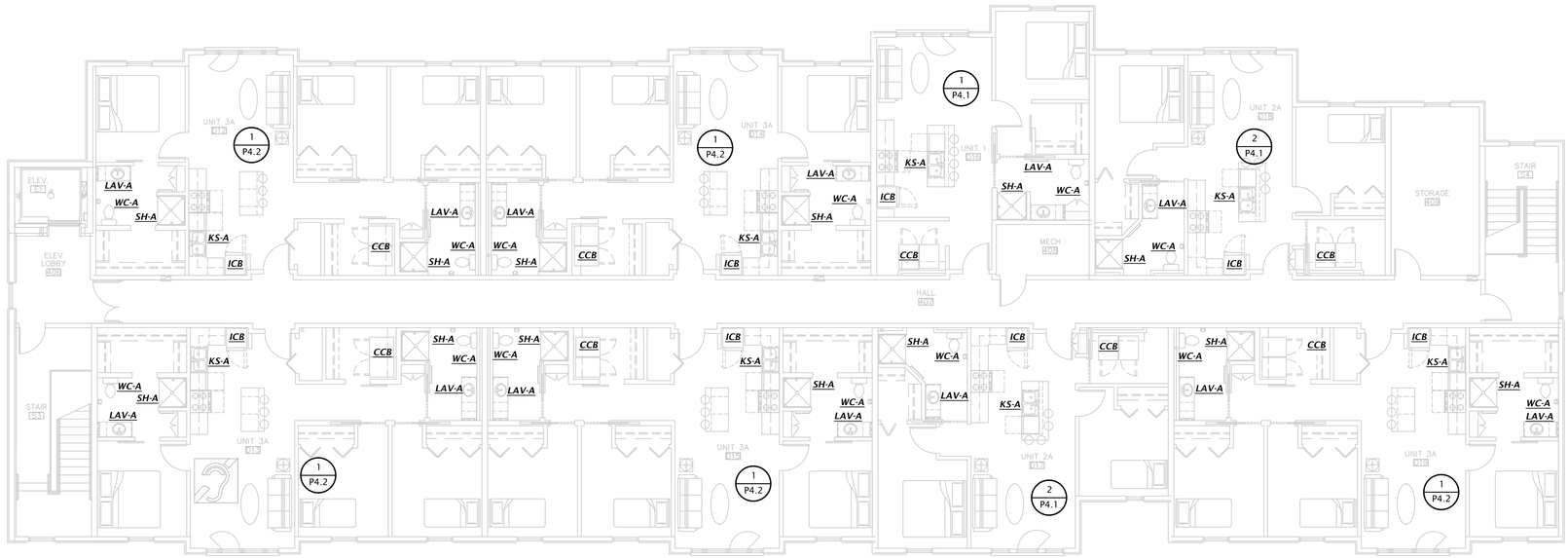
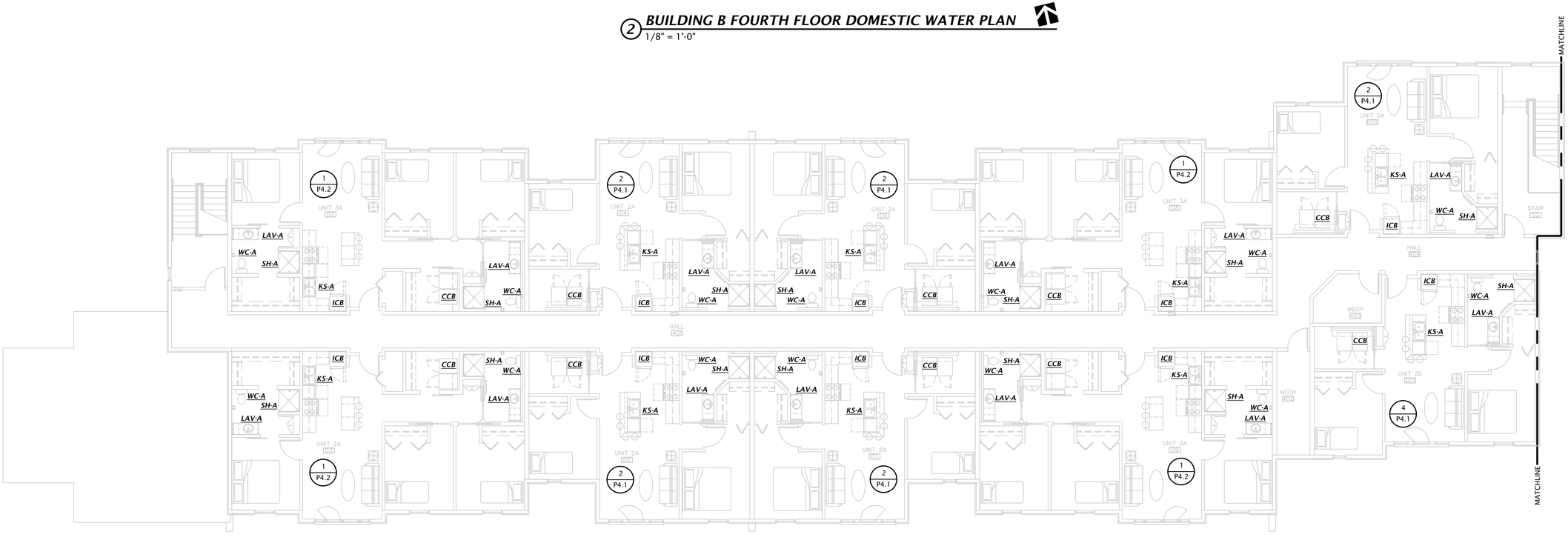




2 BUILDING B FOURTH FLOOR DOMESTIC WATER PLAN

1/8" = 1'-0"



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9. ROUTE WATER PIPING CONCEALED IN LOWERED SOFFIT.
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STEAMBOAT SPRINGS, COLORADO

COLORADO REGISTERED PROFESSIONAL ENGINEER
JOHN C. LEWIS SMITH
37819
05-27-2021

DATE: 05-27-2021
JOB: 19-3047
SHEET:

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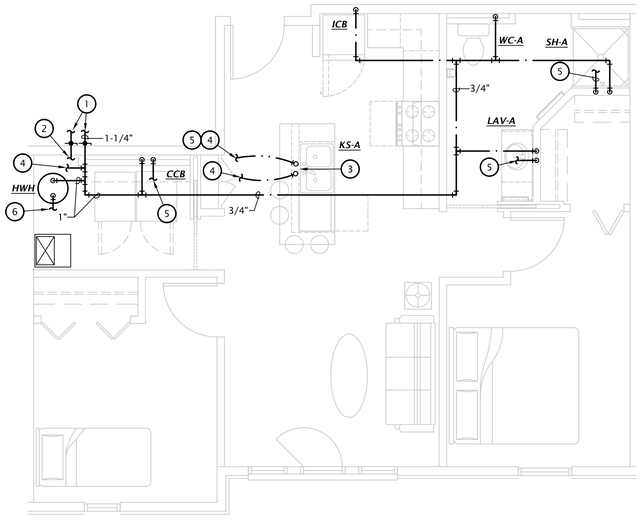
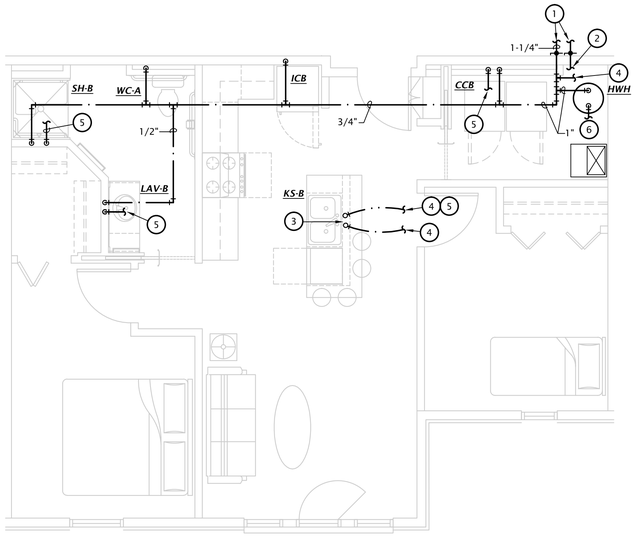
ENLARGED PLAN NOTES BY SYMBOL

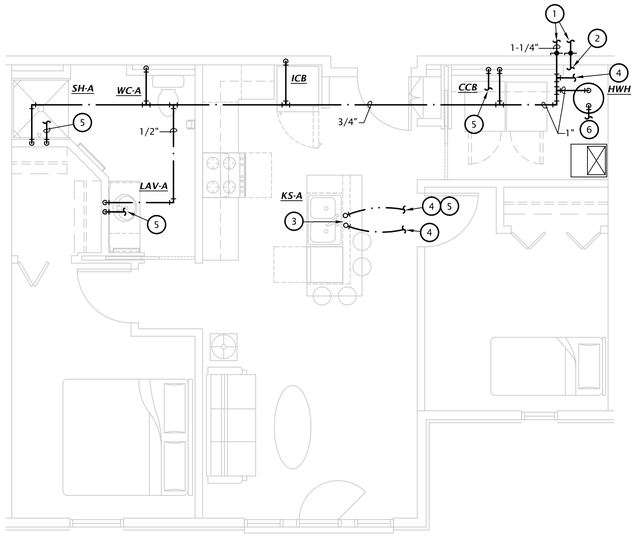
1. SEE OVERALL DOMESTIC WATER PLANS FOR CONTINUATION.
2. 1-1/4" WATER SERVICE FOR UNIT ABOVE. ROUTE PIPING FOR 2ND AND 4TH FLOOR UNITS BELOW FLOOR SIMILAR TO PIPING SHOWN. DO NOT ROUTE PIPING IN ATTIC.
3. PROVIDE 1/2" VALVED BRANCH BELOW SINK AND CONNECT DISHWASHER. ROUTE PIPING ALONG BACK OF CABINETRY, COORDINATE EXACT ROUTING WITH G.C. COORDINATE EXACT REQUIREMENTS WITH DISHWASHER PROVIDED.
4. ROUTE PIPING BELOW FLOOR TO KITCHEN ISLAND. ON FIRST FLOOR ROUTE PIPING BELOW GRADE, PROVIDE ACCESSIBLE SHUT-OFF VALVE PRIOR TO DROPPING BELOW GRADE.
5. ROUTE DEDICATED 1/2" HOT WATER PIPING TO HOT WATER DISTRIBUTION MANIFOLD IN MECHANICAL CLOSET. SEE DETAIL 4:P6.1 AND DETAIL 5:P6.1 FOR MORE INFORMATION.
6. ROUTE TO HOT WATER DISTRIBUTION MANIFOLD, SEE DETAIL 4:P6.1 AND DETAIL 5:P6.1 FOR MORE INFORMATION.



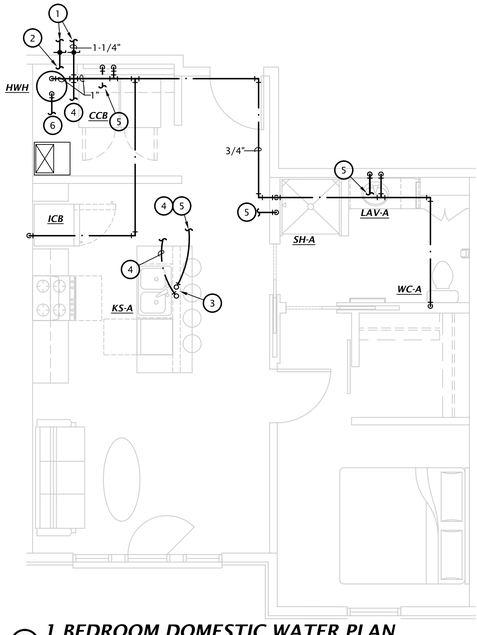
4 2 BEDROOM DOMESTIC WATER PLAN (UNIT 2B)
1/4" = 1'-0"



3 2 BEDROOM ACCESSIBLE DOMESTIC WATER PLAN
1/4" = 1'-0"



2 2 BEDROOM DOMESTIC WATER PLAN (UNIT 2A)
1/4" = 1'-0"



1 1 BEDROOM DOMESTIC WATER PLAN
1/4" = 1'-0"

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ANGLERS FOUR HUNDRED
APARTMENT COMPLEX
STEAMBOAT SPRINGS, COLORADO

DATE: 05-27-2021
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Project 20086 May 2021

ENLARGED PLAN NOTES BY SYMBOL

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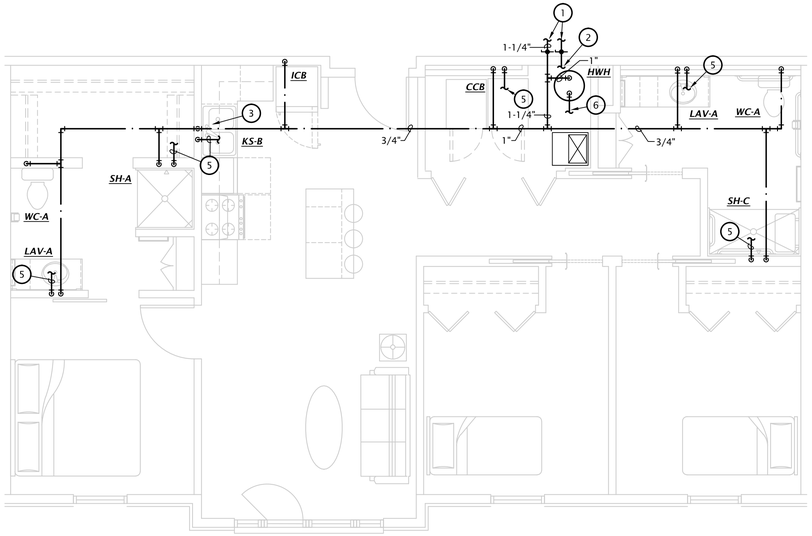
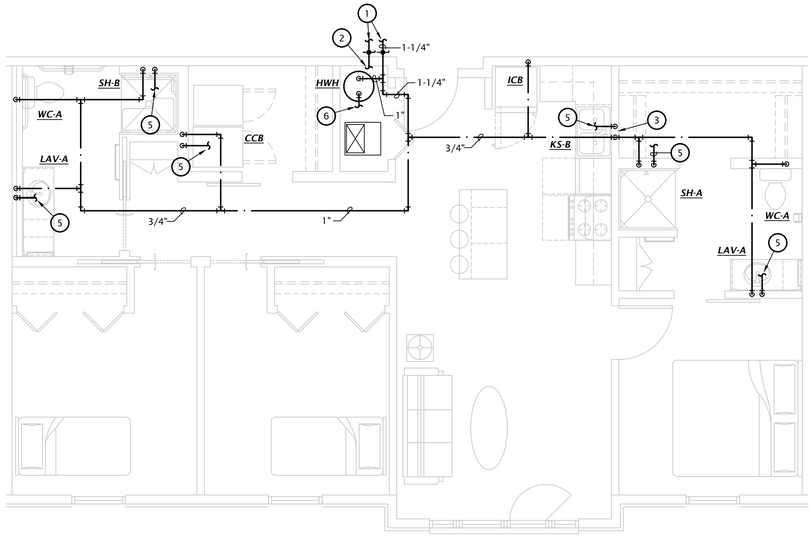


3 3 BEDROOM ACCESSIBLE DOMESTIC WATER PLAN
1/4" = 1'-0"



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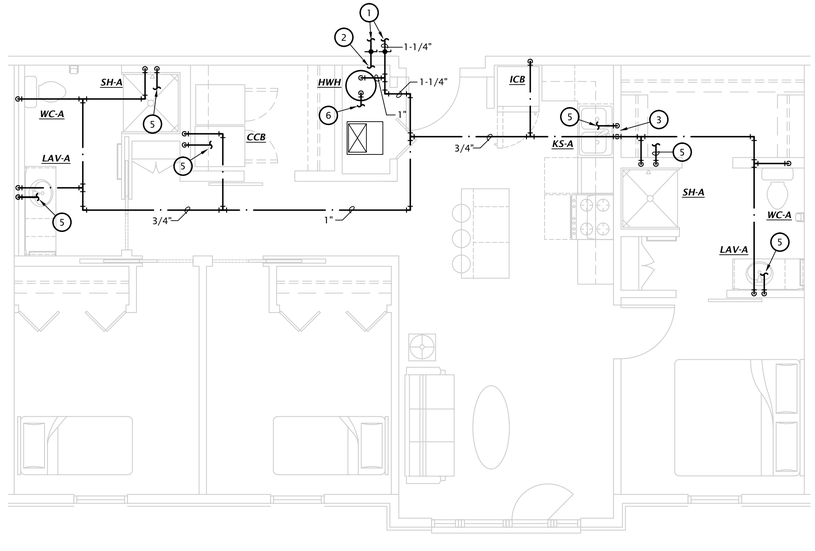
1/4" = 1'-0"



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

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COLORADO REGISTERED 37819 05-27-2021 PROFESSIONAL ENGINEER

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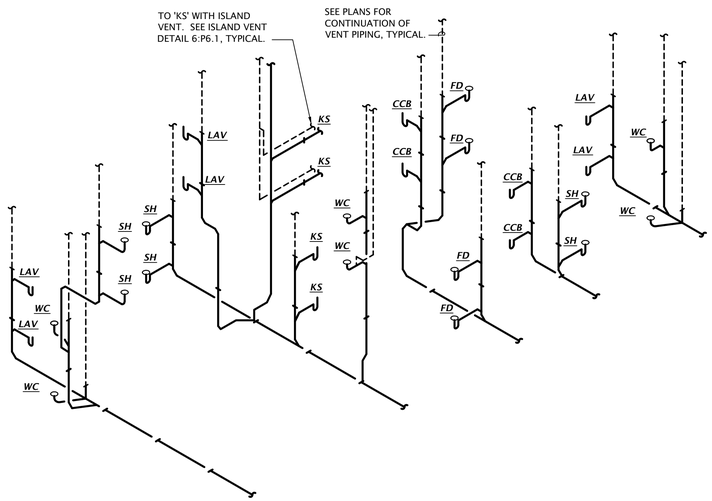
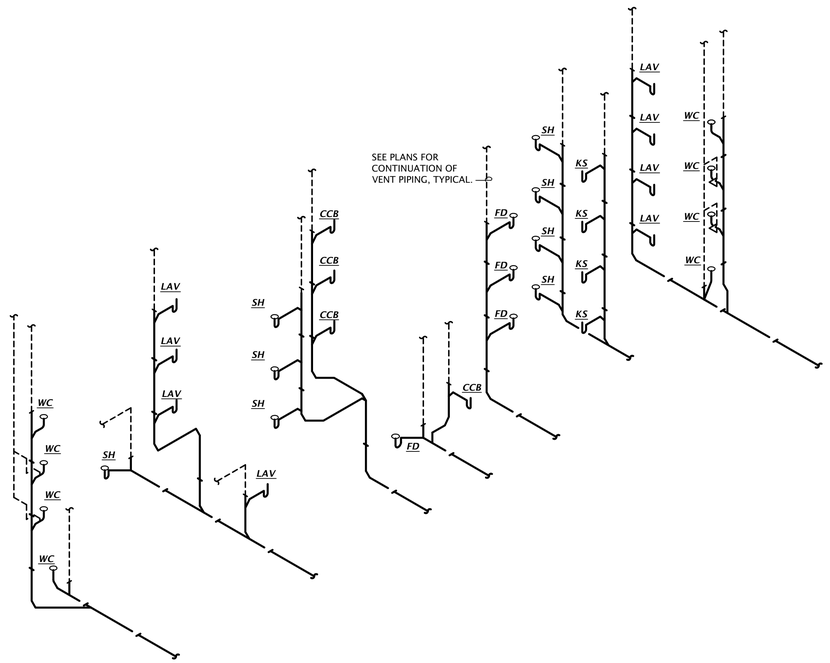


4 WASTE & VENT ISOMETRIC (APT. A18, B18, C18, D18)
NO SCALE



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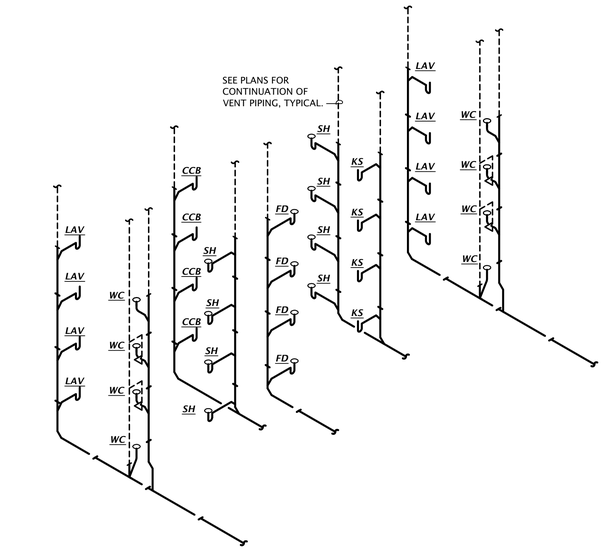
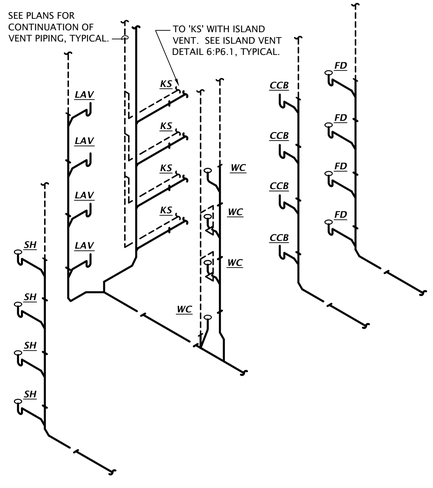
NO SCALE



3 TYPICAL 3 BEDROOM WASTE & VENT ISOMETRIC
NO SCALE



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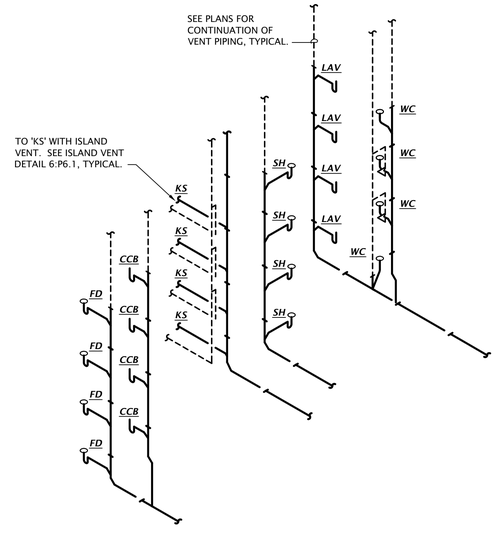
NO SCALE



1 TYPICAL 1 BEDROOM WASTE & VENT ISOMETRIC
NO SCALE

PLUMBING SIZING SYMBOLS

X"	DRAIN (X = SIZE)
X"	VENT (X = SIZE)
X"	WASTE STACK VENT (X = SIZE)

NOTE:
FIXTURE TAGS INDICATED ARE FOR TYPICAL APARTMENT. SEE PLANS AND PLUMBING FIXTURE SCHEDULE FOR EXACT FIXTURE TYPES.

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PLUMBING FIXTURE SCHEDULE

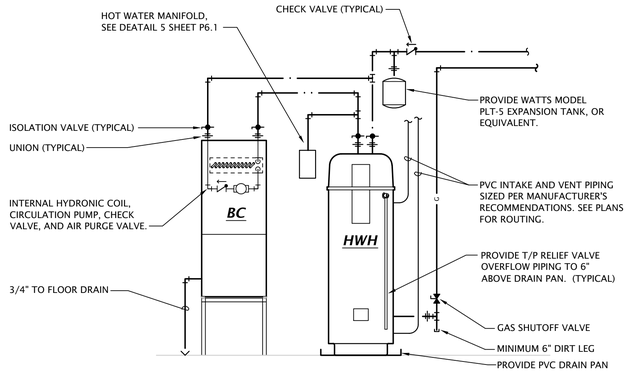
MARK	MANUFACTURER	DESCRIPTION	TRIM		ROUGH-IN SIZES				NOTES
			MANUFACTURER	DESCRIPTION	WASTE	VENT	CW	HW	
WC-A	KOHLER	Model #K-3658-(RA)-0 "Highline Classic" ADA compliant flush tank water closet, white vitreous china, two piece, 12" rough-in, elongated 16-1/2" high bowl, siphon jet flushing action, 1.28 GPF, polished chrome actuator. Coordinate location of trip lever with installation.	KOHLER	#K-4636-0 white, closed front plastic seat with slow closing lid.	4"	2"	1/2"	---	1
WC-B	KOHLER	Model #K-3658-(RA)-0 "Highline Classic" ADA compliant flush tank water closet, white vitreous china, two piece, 12" rough-in, elongated 16-1/2" high bowl, siphon jet flushing action, 1.28 GPF, polished chrome actuator. Coordinate location of trip lever with installation.	KOHLER	#K-4731-CA-0 white, open front, anti-microbial plastic seat without lid, with check hinge.	4"	2"	1/2"	---	1
LAV-A	KOHLER	Model 2196-4-0 self-rimming lavatory, white vitreous china, 20"W x 17", faucet holes on 4" centers.	KOHLER	#K-394-4-2 two handle faucet with pop-up drain and nickel finish.	2"	1-1/2"	1/2"	1/2"	1,2,3
LAV-B	WS BATH COLLECTIONS	Model Unlimited 60 wall hung lavatory, white, 23.6" x 17.7", single faucet hole	DELTA	#574T-BL-DST faucet. Provide grid drain, black finish, and point of use tempering valve.	2"	1-1/2"	1/2"	1/2"	1,2,3
KS-A	KOHLER	Model K-3369-3 two compartment 18 GA stainless steel top-mount sink, 14-1/2"x16-1/2"x8"D inside, fully undercoated, faucet holes as required.	KOHLER INSINKERATOR	#K-780 single handle pull down kitchen sink faucet with chrome finish, single hole installation. Provide basket strainer. Badger 5 ½ HP garbage disposal with dishwasher waste connection.	2"	1-1/2"	1/2"	1/2"	1,2,4
KS-B	JUST	Model DL-ADA-2233-A-GR two compartment 18 GA stainless steel sink, self rimming, 14"x16"x5"D inside, fully undercoated, faucet holes as required, and drain hole center rear.	KOHLER IN-SINK-ERATOR	#K-780 single handle pull down kitchen sink faucet with chrome finish, single hole installation. Provide basket strainer. Badger 5 ½ HP garbage disposal with dishwasher waste connection.	2"	1-1/2"	1/2"	1/2"	1,2,4,5
KS-C	BLANCO	Model 442079 single compartment 18 GA stainless steel sink, undermount, 23"x16"x5-1/2"D inside, fully undercoated, and drain hole center rear.	DELTA	#9159-BL-DST single handle pull down kitchen sink faucet with black finish, single hole installation. Provide basket strainer.	2"	1-1/2"	1/2"	1/2"	1,2,4,5
BS	ELKAY	Model DLR172210 single compartment 18 GA. Stainless steel sink, self rimming, 14"x16"x10"D inside, fully undercoated, faucet holes as required.	DELTA	Model 27C4844 two handle bar sink faucet, 4-1/2" gooseneck spout, 1.5 GPM aerator, 4" blade handles, chrome finish. Provide basket strainer.	2"	1-1/2"	1/2"	1/2"	2,4
SH-A	AQUARIUS	Model 'G-3682BF RFF' reinforced fiberglass ADA shower, 36"W x36"D x76-1/2"H, with integral soap/toiletry shelves and grab bars in accordance with ADA requirements. Provide blocking for future installation of fold-up seat, right or left hand rough-in as required. Provide with collapsible dam.	KOHLER	#K-304 pressure balancing valve with integral temperature limits and stops, #K-TS10584-4 valve trim, #K-355 wall supply elbow, #K-9514 60" hose, #K-10549 hand shower, and #K-8524/K-349 slide bar. Entire assembly shall have nickel finish. Max. 2 GPM.	2"	1-1/2"	1/2"	1/2"	1
SH-B	AQUARIUS	Model 'G-3682BF RFF' reinforced fiberglass ADA shower, 36"W x36"D x76-1/2"H, with integral soap/toiletry shelves and grab bars in accordance with ADA requirements, fold-up seat, right or left hand rough-in as required, white finish. Provide with collapsible dam.	KOHLER	#K-304 pressure balancing valve with integral temperature limits and stops, #K-TS10584-4 valve trim, #K-355 wall supply elbow, #K-9514 60" hose, #K-10549 hand shower, and #K-8524/K-349 slide bar. Entire assembly shall have nickel finish. Max. 2 GPM.	2"	1-1/2"	1/2"	1/2"	1
SH-C	AQUARIUS	Model G-6233-BF-.75 reinforced fiberglass ADA roll-in shower, 60"W x33"D x73-3/4"H, with integral soap/toiletry shelves and grab bars in accordance with ADA requirements, fold-up seat, right or left hand rough-in as required, white finish. Provide with collapsible dam.	KOHLER	#K-304 pressure balancing valve with integral temperature limits and stops, #K-TS10584-4 valve trim, #K-355 wall supply elbow, #K-9514 60" hose, #K-10549 hand shower, and #K-8524/K-349 slide bar. Entire assembly shall have nickel finish. Max. 2 GPM.	2"	1-1/2"	1/2"	1/2"	1
SS	FIAT	Model MSB-2424 one piece molded stone mop basin, 24" square, stainless steel integral drain body with caulk connection, stainless steel wall guards.	DELTA	Model 28T9 faucet with hose thread outlet, vacuum breaker, pail hook, wall brace, metal lever handles.	3"	1-1/2"	3/4"	3/4"	4
WH	WOODFORD	Model 25 frost proof wall hydrant with anti-siphon vacuum breaker, metal handle.			---	---	3/4"	---	
CCB	WATER-TITE	Model W4700 recessed washing machine box with 2"PVC/ABS drain coupling and knockout test cap. Two brass 1/4 turn adaptor ball valves with hammer arresters, sweat connection.			2"	2"	1/2"	1/2"	
ICB	OATEY	Model 3848X fire rated ice maker connection box with 1/4 turn ball valve.			---	---	1/2"	---	
FD	WADE	Model 1102STDS floor drain with satin nickel bronze strainer. Provide trap protection device equal to ProSet Trapguard.			2"	1-1/2"	---	---	
FS	WADE	Model 9140 floor sink with 8" deep body, enameled interior, sediment bucket, nickel bronze trim and grate with openings as requried. Provide trap protection device equal to ProSet Trapguard.			3"	1-1/2"	---	---	
EWC-A	ELKAY	Model EZSTL8WSLK ADA compliant dual height, self-contained water cooler with stainless steel basin, front push bar actuator, bottler filler, lead-free cooling system capable of cooling 8.0 GPH, 120 volts. Provide cane apron equal to Elkay model 'LKAPREZL'			2"	1-1/2"	1/2"	---	
EWC-B	ELKAY	Model EZSG8WSLK ADA compliant single self-contained water cooler with stainless steel basin, front push bar actuator, bottler filler, lead-free cooling system capable of cooling 8.0 GPH, 120 volts. Provide cane apron equal to Elkay model 'LKAPREZL'			2"	1-1/2"	1/2"	---	
TD	J.R. SMITH	Model 9818 6" wide precast polymer concrete trench drain system with integral metal rail and model 9870-478-ADA ductile iron grate. Provide Model 9868 catch basin section with stainless steel trash bucket and foul air trap at outlet.							
RD	WADE	Model 3000 cast iron side outlet body roof drain with flange, flashing ring with gravel stop, underdeck clamp and cast iron dome strainer.							
OD	WADE	Model 3000 cast iron side outlet body roof drain with flange, flashing ring with gravel stop, underdeck clamp and cast iron dome strainer.							
DN	ZURN	Model ZF199 black downspout nozzle with threaded outlet and flange to secure nozzle to wall.							
HWH-A	A.O. SMITH	Model EJCS-20, 20 gallon electric water heater, 2500 watts, 208 volts heating element, 11 GPH recovery @ 90'F temp rise. Supplied with temperature & pressure relief valve and brass drain valve.							6
HWH	A.O. SMITH	Model GPHE 50 gallon gas fired power vent water heater, 94% efficient,76 MBH input, 95 GPH recovery @ 90'F temp rise, EnergyStar rated. Supplied with temperature & pressure relief valve and brass drain valve. Provide with high altitude kit.							
HWP	BELL & GOSSETT	Model NBF-33 circulation pump, bronze body, 10 GPM @ 10' head, 120 VAC. Provide clamp-on aquastat for pump control.							7

GENERAL:

- Provide fixtures with all trim necessary for complete installation.
- All toilets, lavatory faucets, showerheads, and kitchen faucets shall have EPA's WaterSense label.

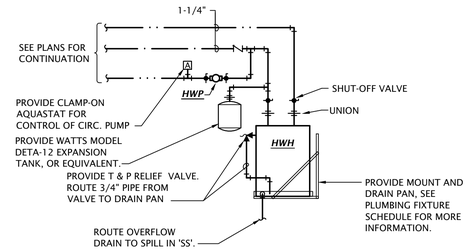
NOTES:

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 escutcheon plate, 1-1/4" cast brass p-trap.
3. Insulate water and waste piping below lavatory. Utilize insulation kit equivalent to LavGuard by Truebro.
4. Trim shall be provided with polished chrome finish.
5. Insulate water and waste piping below sink. Utilize insulation kit equivalent to LavGuard by Truebro. Provide Plumberex model #3071WD-N waste disposal cover.
6. Provide wall hung platform for water heater equal to Holdrite #50-SWHP-W-C. Coordinate exact location and mounting height with architect.
7. Pump shall have controls to prevent startup within 5 minutes from the end of the previous heating cycle. Hot water recirculation system shall meet all requirements of 2018 IECC.



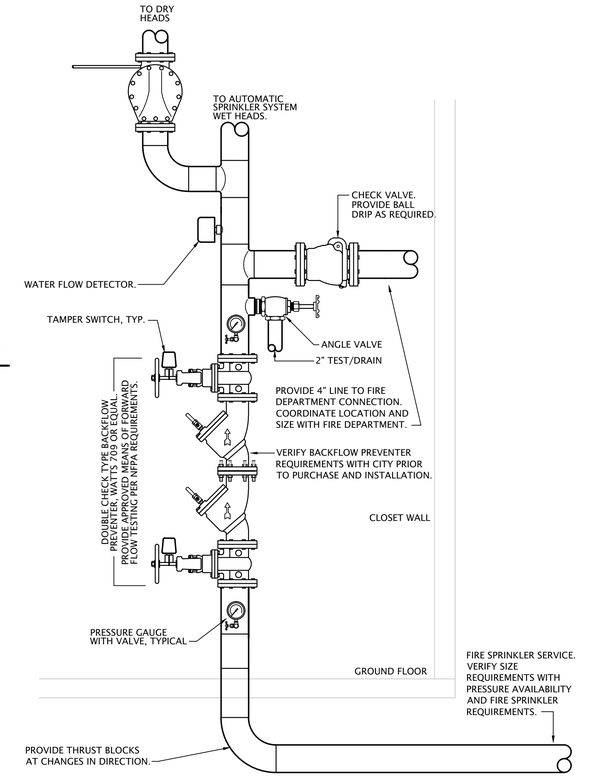
4 TYPICAL WATER HEATER/ HYDRONIC BLOWER COIL PIPING DIAGRAM

Not to Scale



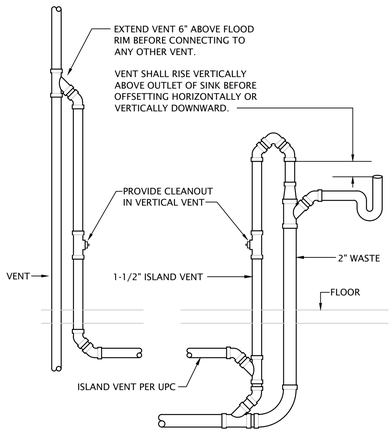
3 JANITOR 109 WATER HEATER PIPING DIAGRAM

NO SCALE



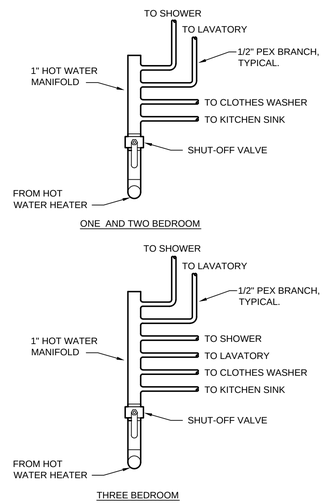
1 FIRE PROTECTION RISER DIAGRAM

NO SCALE



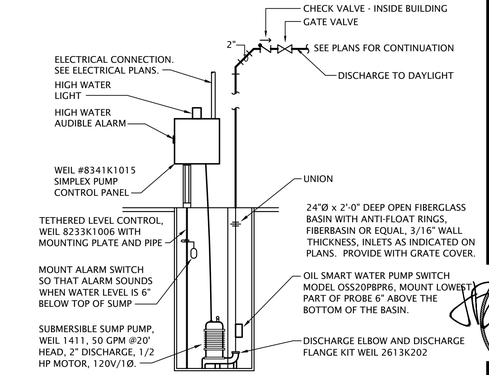
6 ISLAND VENT DETAIL

NO SCALE



5 HOT WATER MANIFOLD DETAILS

NO SCALE



2 ELEVATOR SUMP PUMP DETAIL

NO SCALE

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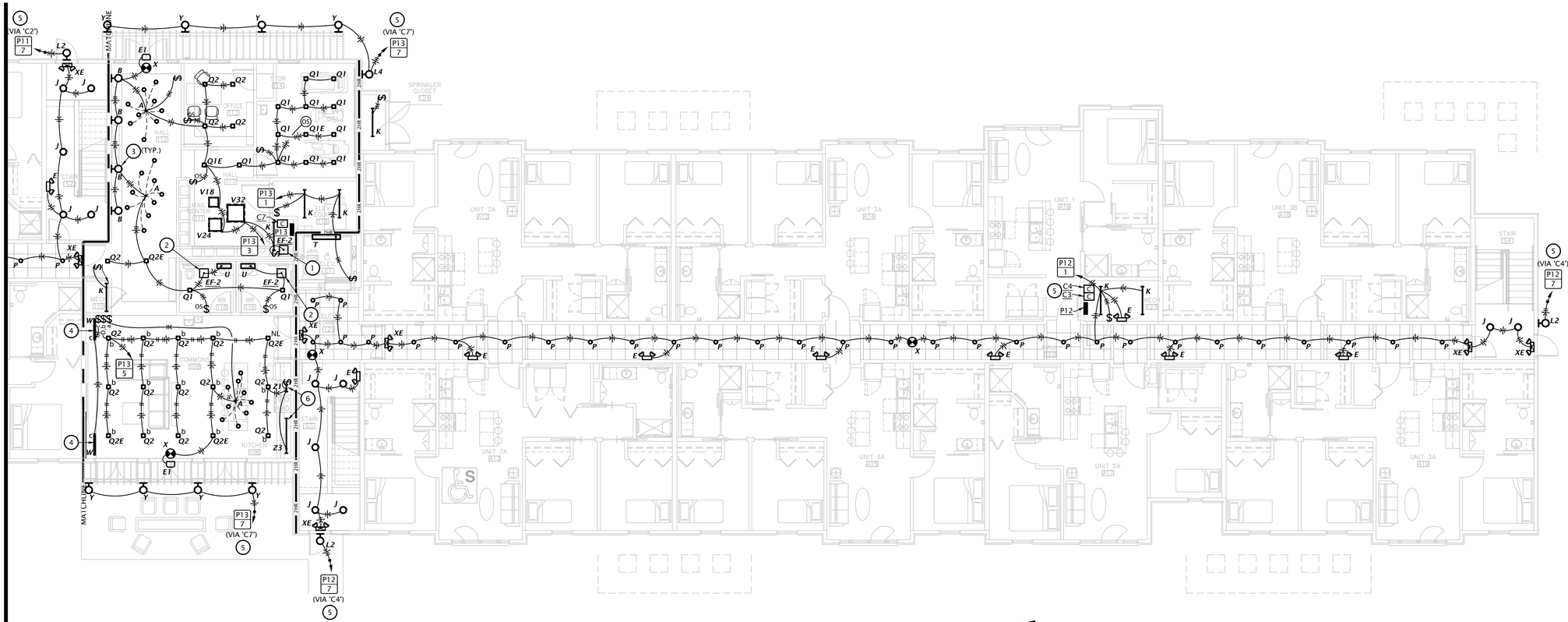
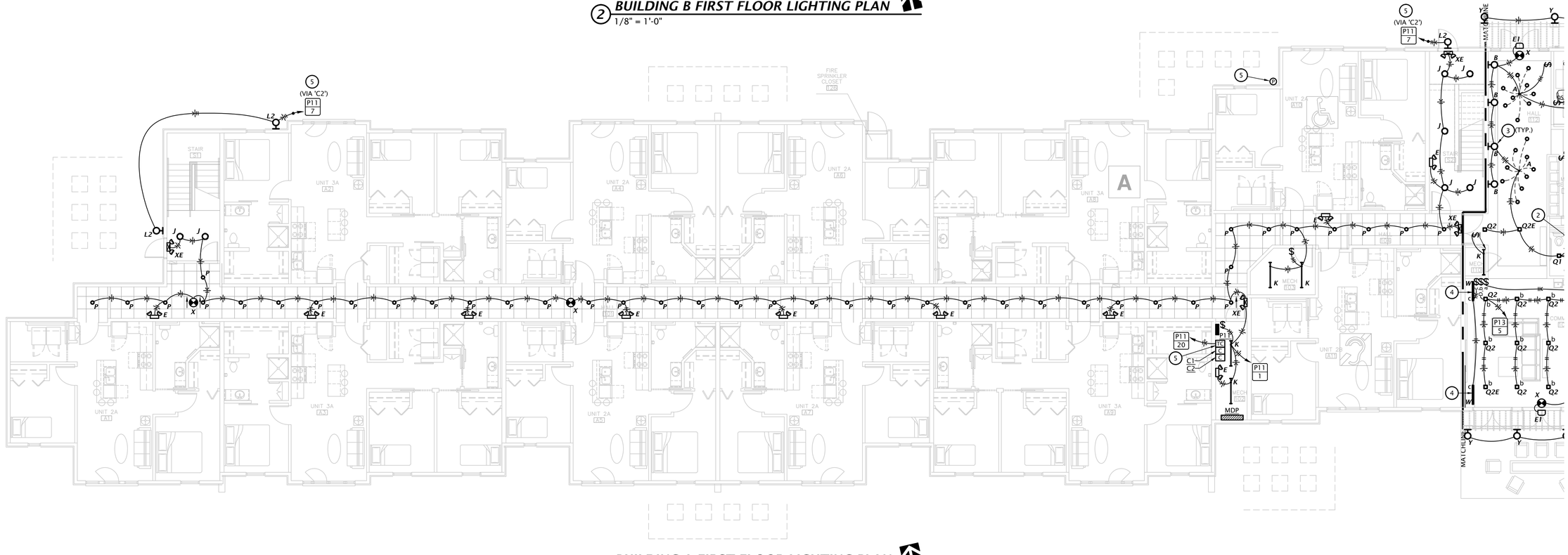


2 BUILDING B FIRST FLOOR LIGHTING PLAN

1/8" = 1'-0"



1 BUILDING A FIRST FLOOR LIGHTING PLAN

1/8" = 1'-0"

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May 2021

NOTE:

ALL FIXTURES, EQUIPMENT, CONTROLS AND ACCESSORIES SHALL COMPLY WITH 2018 IECC REQUIREMENTS.

LIGHTING NOTES BY SYMBOL

1. CONNECT EXHAUST FAN TO UN-SWITCHED HOT FOR CONTINUOUS OPERATION.
2. SWITCH BATHROOM EXHAUST FANS WITH LIGHT FIXTURES.
3. COORDINATE EXACT QUANTITY AND LOCATIONS OF WALL SCONCES WITH INTERIOR DESIGNER.
4. INSTALL FIXTURE IN SOFFIT.
5. REFERENCE EXTERIOR LIGHTING CONTROL DIAGRAM, DETAIL 1/E6.5.
6. INSTALL UNDERCABINET LIGHTING. PROVIDE ALL COMPONENTS REQUIRED FOR COMPLETE INSTALLATION. INSTALL REMOTE DRIVERS IN ACCESSIBLE LOCATION.
7. PROVIDE CIRCUIT ROUTED THROUGH EXTERIOR LIGHTING CONTROLS FOR COUNTERTOP LIGHT FIXTURES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CASEWORK DETAILS PROVIDED BY INTERIOR DESIGNER.

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JONES GILLAM RENZ

ANGLERS FOUR HUNDRED

APARTMENT COMPLEX

STEAMBOAT SPRINGS, COLORADO

DATE: 05-27-2021

JOB: 19-3047

SHEET: E1.1

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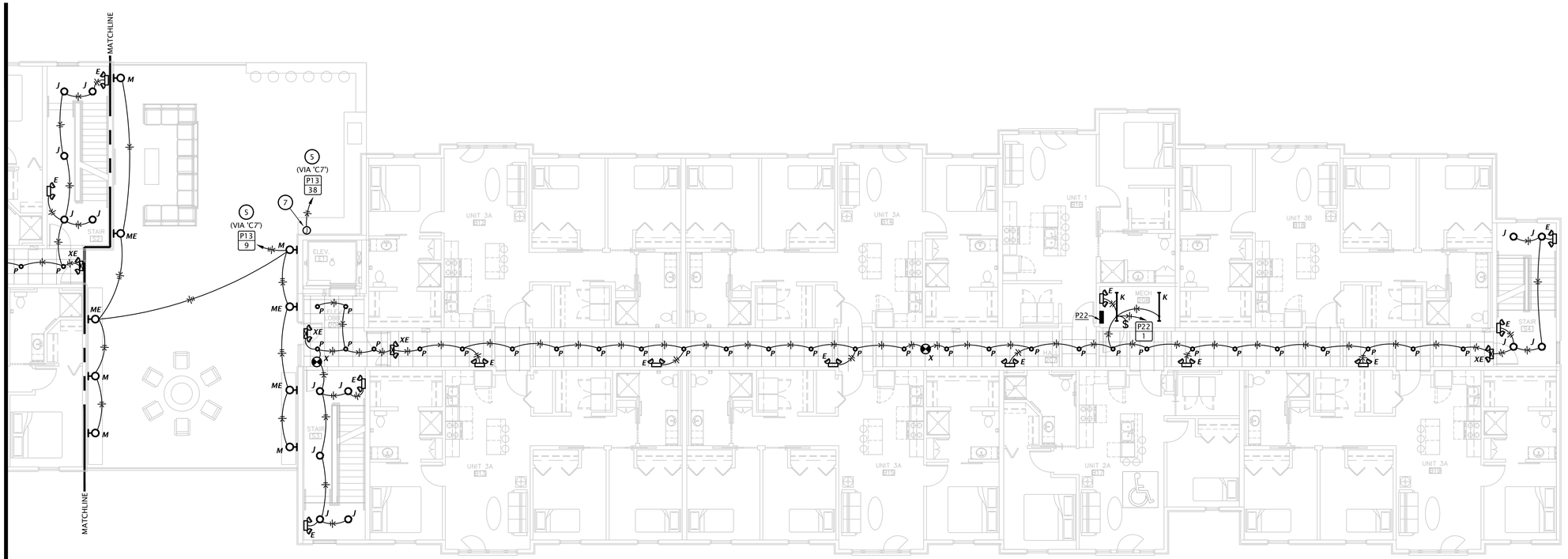
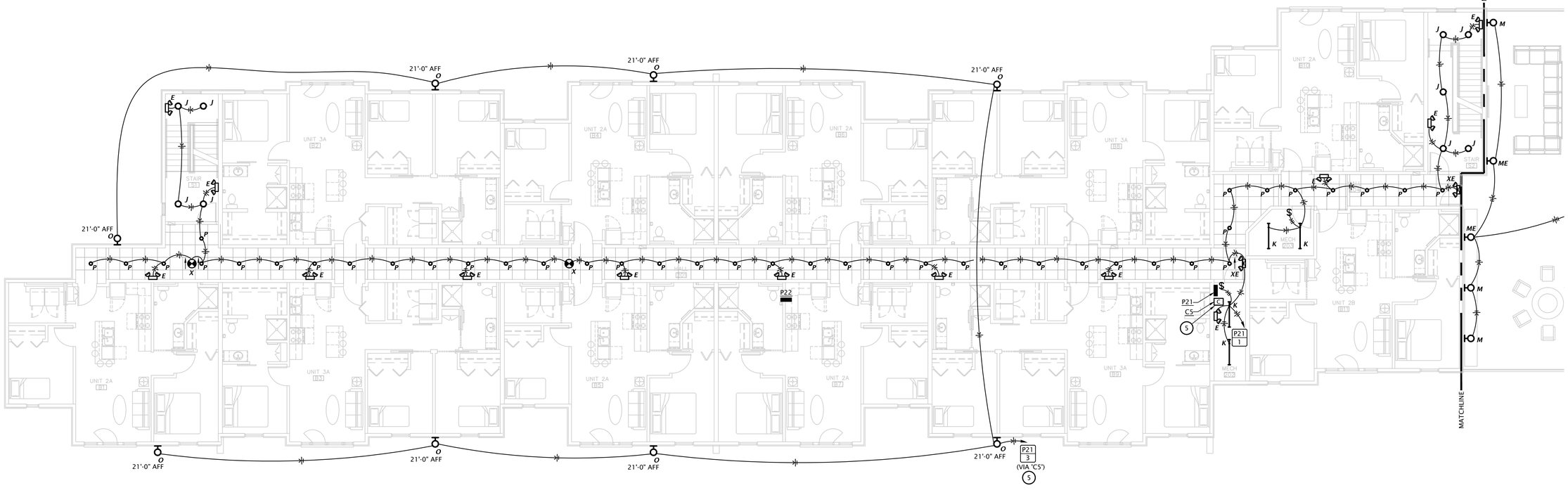


2 BUILDING B SECOND FLOOR LIGHTING PLAN
1/8" = 1'-0"



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1/8" = 1'-0"

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COLORADO REGISTERED PROFESSIONAL ENGINEER
JOHN T. LEWIS SMITH
37819
05-27-2021

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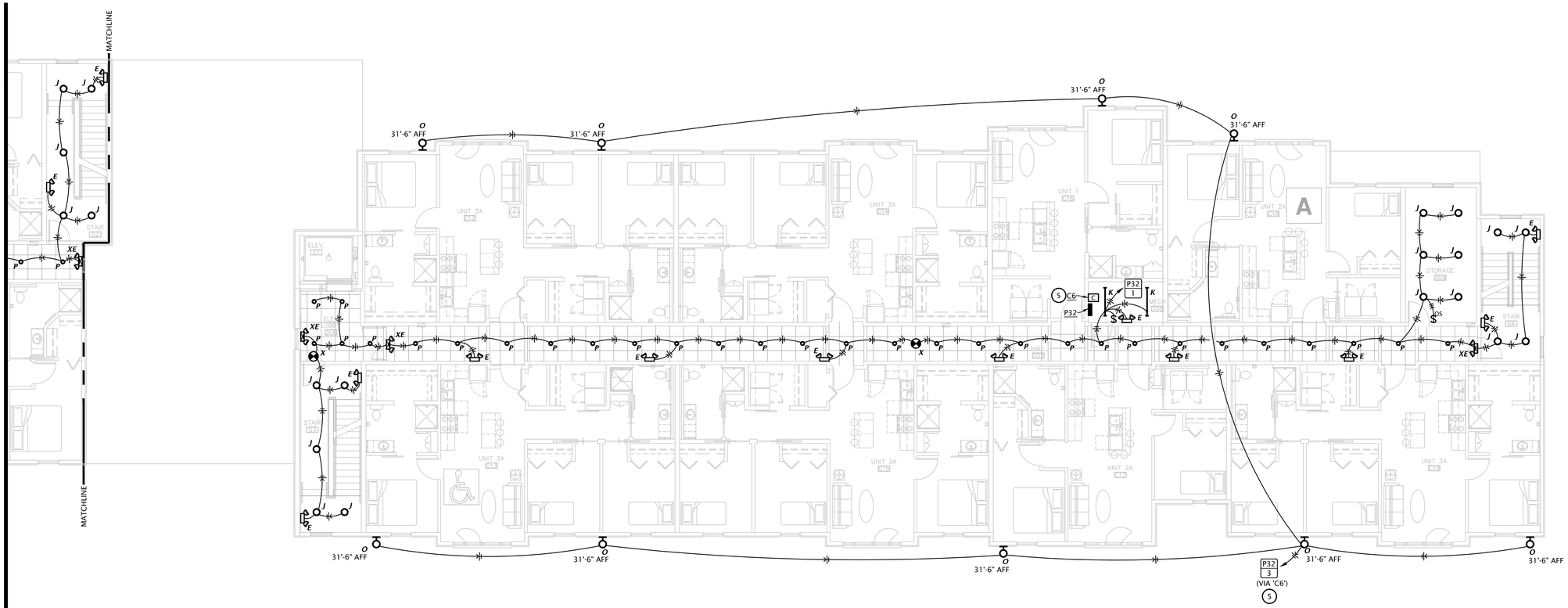
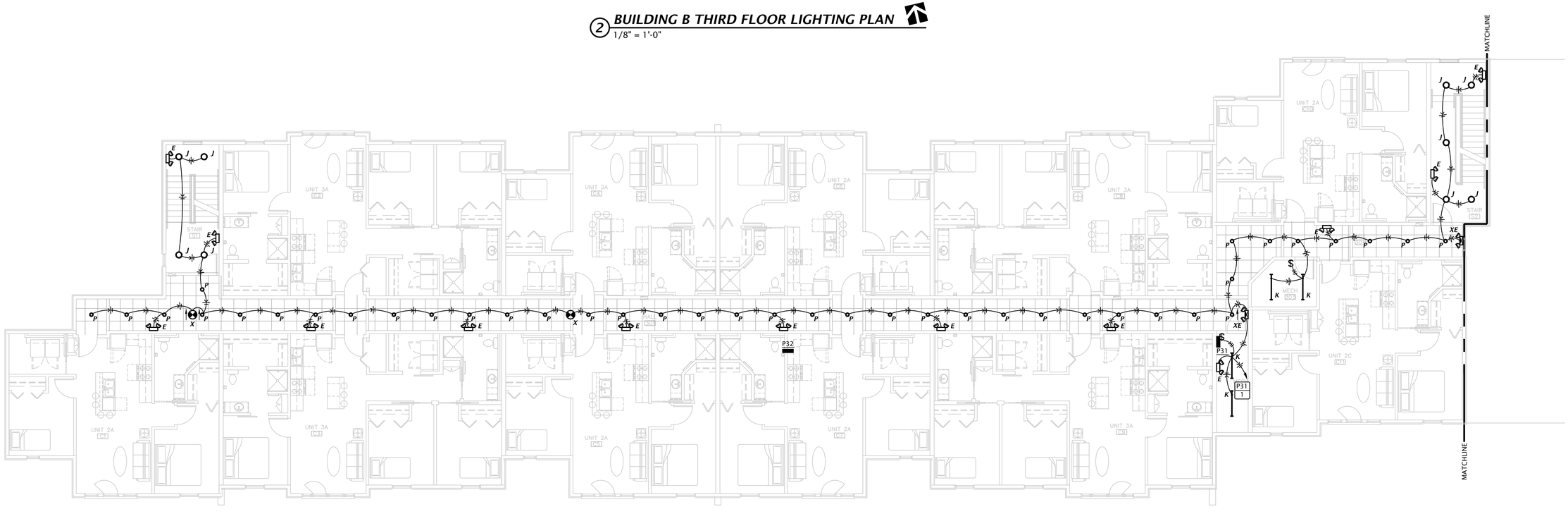


2 BUILDING B THIRD FLOOR LIGHTING PLAN

1/8" = 1'-0"



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1/8" = 1'-0"

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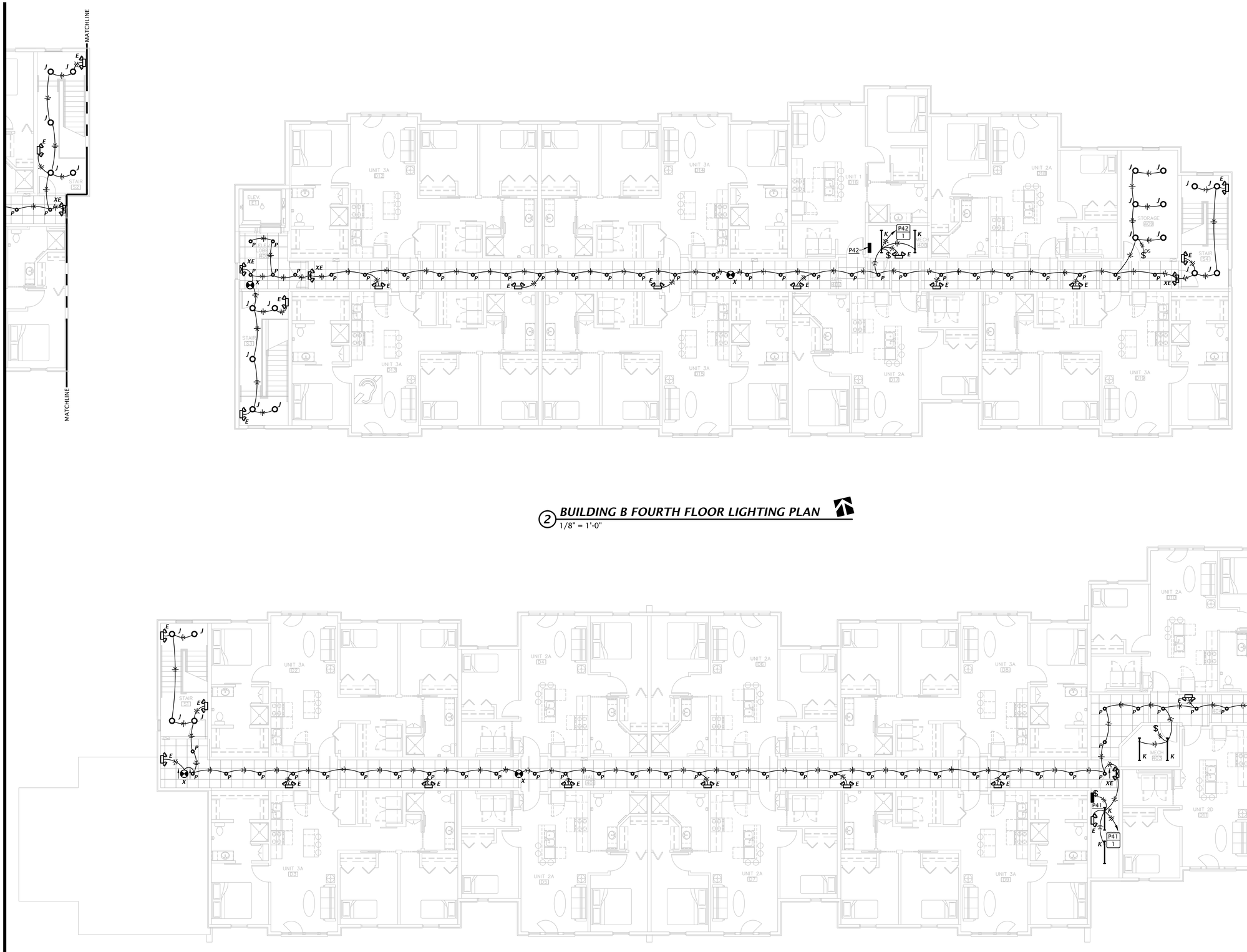

2 **BUILDING B FOURTH FLOOR LIGHTING PLAN**
1/8" = 1'-0"

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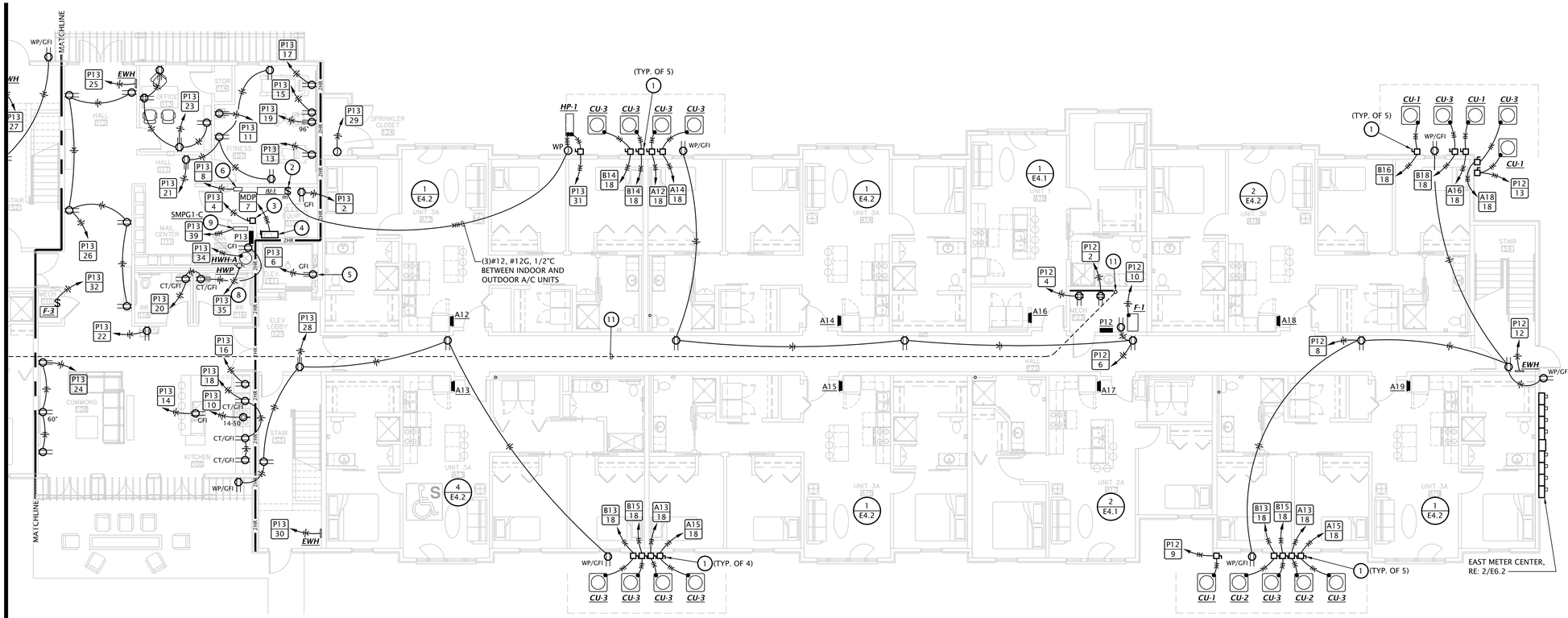
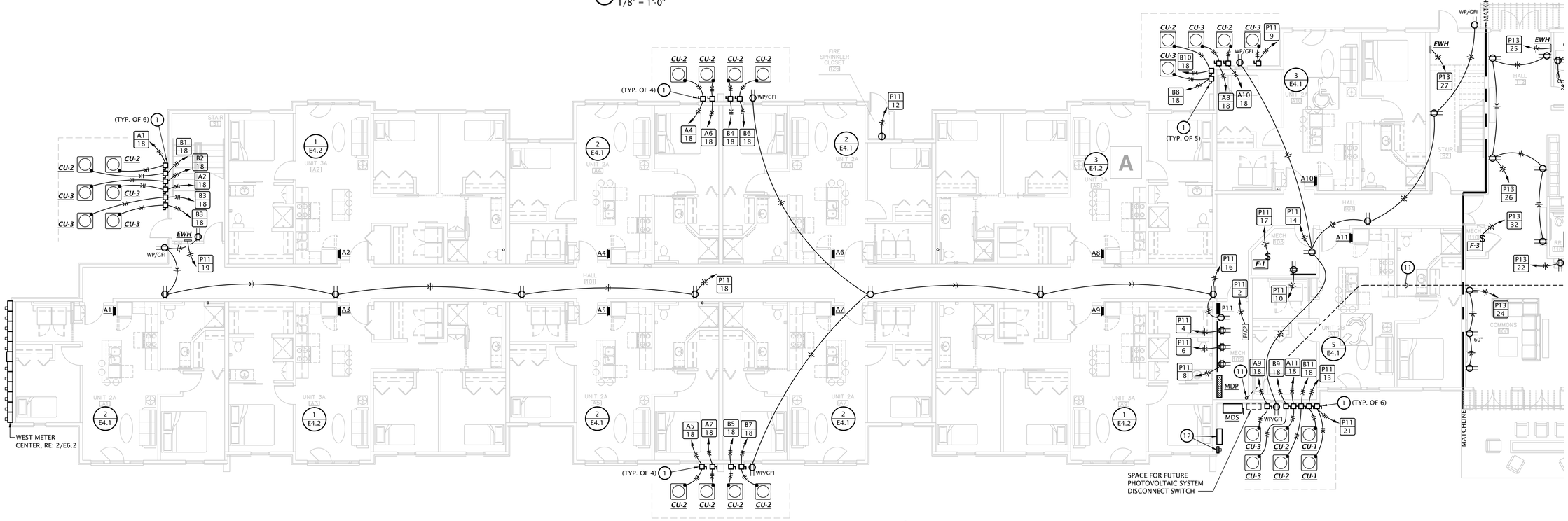


2 BUILDING B FIRST FLOOR POWER PLAN

1/8" = 1'-0"



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POWER PLAN NOTES BY SYMBOL

1. PROVIDE 30A/2P NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE AND MAKE FINAL CONNECTION TO EQUIPMENT.
2. 30A/3P MANUAL MOTOR STARTER SNAP SWITCH (W/O OVERLOAD PROTECTION) IN NEMA 1 INCLOSURE. MAKE FINAL CONNECTION TO EQUIPMENT.
3. 30A/2P FUSED DISCONNECT SWITCH WITH SOLID NEUTRAL AND (1) 20A DUAL-ELEMENT, TIME DELAY FUSE IN NEMA 1 ENCLOSURE FOR ELEVATOR CAB LIGHTS & EXHAUST. SWITCH SHALL BE CAPABLE OF BEING LOCKED "OFF". MOUNT AT 6'-0" AFF TO TOP AND LABEL WITH CIRCUIT NUMBER. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER.
4. ELEVATOR POWER MODULE SWITCH: 400A/208V/3P SWITCH COMPLETE WITH 225A DUAL ELEMENT, TIME DELAY CLASS J FUSES, 120V CONTROL TRANSFORMER, FIRE ALARM SAFETY INTERFACE RELAY, KEY TEST SWITCH, GREEN PILOT LIGHT, AUXILIARY CONTACTS FOR ELEVATOR RECALL, AND FIRE ALARM VOLTAGE MONITORING RELAY. EATON BUSSMAN #PS-4-T20-R1-K-G-B-F1 OR EQUAL. COORDINATE EXACT MOUNTING LOCATION AND REQUIREMENTS WITH ELEVATOR EQUIPMENT INSTALLER. PROVIDE FINAL ELECTRICAL CONNECTION TO ELEVATOR CONTROLLER.
5. INSTALL RECEPTACLE ON WALL OF ELEVATOR PIT. VERIFY EXACT LOCATION WITH ELEVATOR EQUIPMENT INSTALLER.
6. ELEVATOR SUMP PUMP ALARM PANEL. PROVIDE POWER CONNECTION AND (2) 1" CONDUITS WITH PULL STRINGS FROM PANEL STUBBED INTO ELEVATOR PIT FOR POWER AND CONTROL CABLING. COORDINATE ALL WORK WITH PLUMBING CONTRACTOR.
7. PROVIDE RECEPTACLE IN ATTIC FOR FUTURE RADON FAN. COORDINATE EXACT LOCATION PRIOR TO COMMENCING WORK.
8. ROUTE 120V CIRCUIT FOR HOT WATER RECIRCULATION PUMP ('HWP') THROUGH ADJACENT AQUASTAT AND MAKE FINAL FLEXIBLE CONNECTION. COORDINATE WITH PLUMBING CONTRACTOR.
9. ROOF/DOWNSPOUT DE-ICING SYSTEM CONTROL PANEL. COORDINATE EXACT LOCATION WITH SYSTEM INSTALLER.
10. PROVIDE 3" CONDUIT WITH PULL STRING FOR FUTURE PHOTOVOLTAIC SYSTEM CABLING. ROUTE CONCEALED ABOVE CEILING FROM MECH ROOM 408 AND STUB-UP INTO ACCESSIBLE ATTIC SPACE. LABEL CONDUIT AT BOTH ENDS "FUTURE PV CABLE".
11. PROVIDE 3" CONDUIT WITH PULL STRING FOR FUTURE PHOTOVOLTAIC SYSTEM CABLING. ROUTE CABLING BELOW GRADE FROM STUB-UP IN MECH ROOM 102 TO MECH 123, THEN EXTEND VERTICALLY AND STUB-UP THROUGH FLOOR OF MECH 408.
12. ELECTRIC UTILITY C/T CABINET AND METER FOR HOUSE ELECTRICAL SERVICE. SEE RISER DIAGRAM ON SHEET E6.3.

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JOSEPH W. SIMMONS
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05-27-2021
PROFESSIONAL ENGINEER

DATE: 05-27-2021
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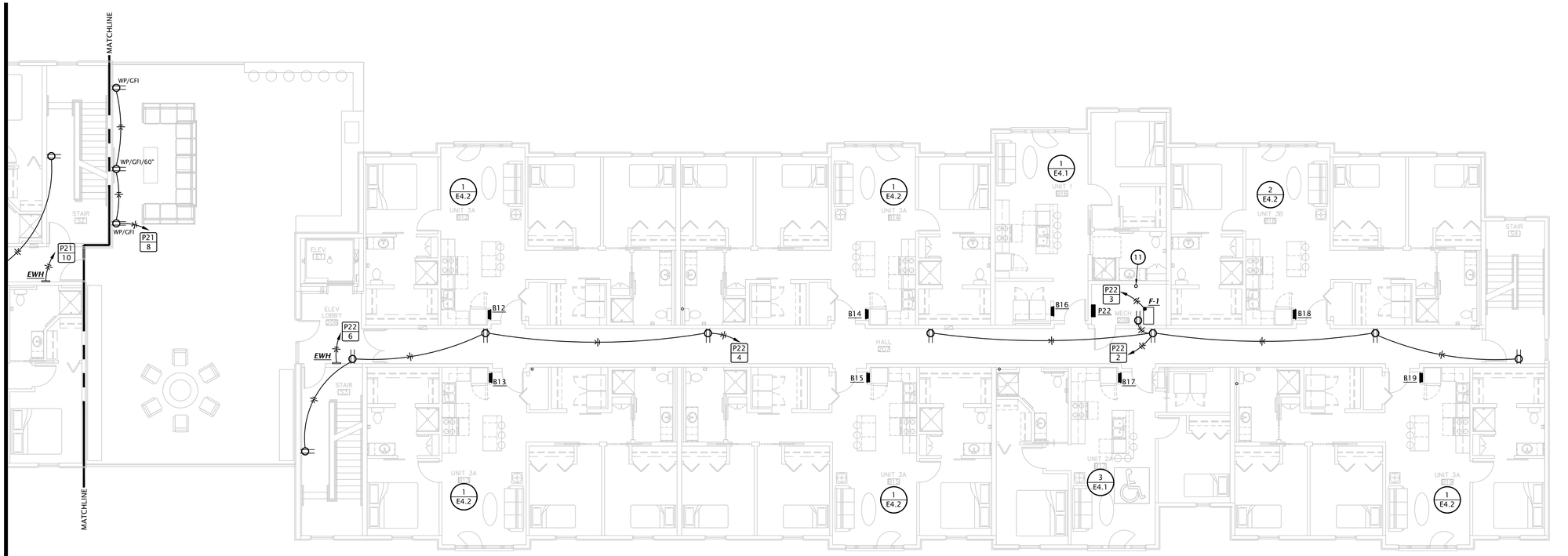
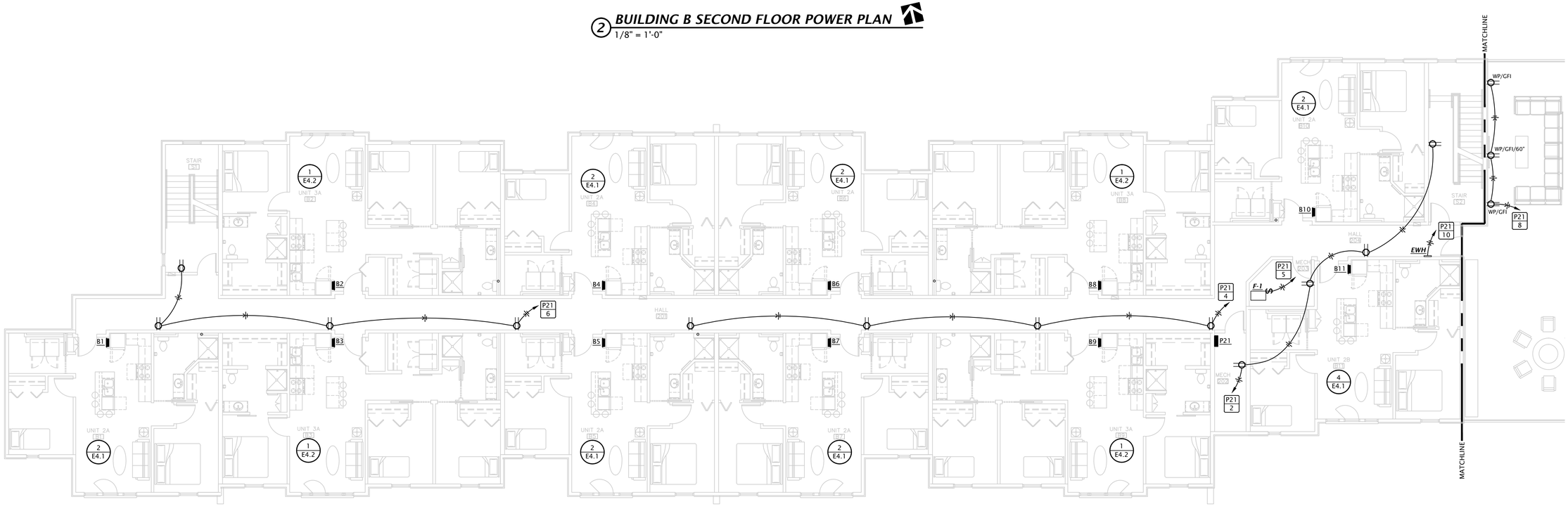


2 BUILDING B SECOND FLOOR POWER PLAN
1/8" = 1'-0"



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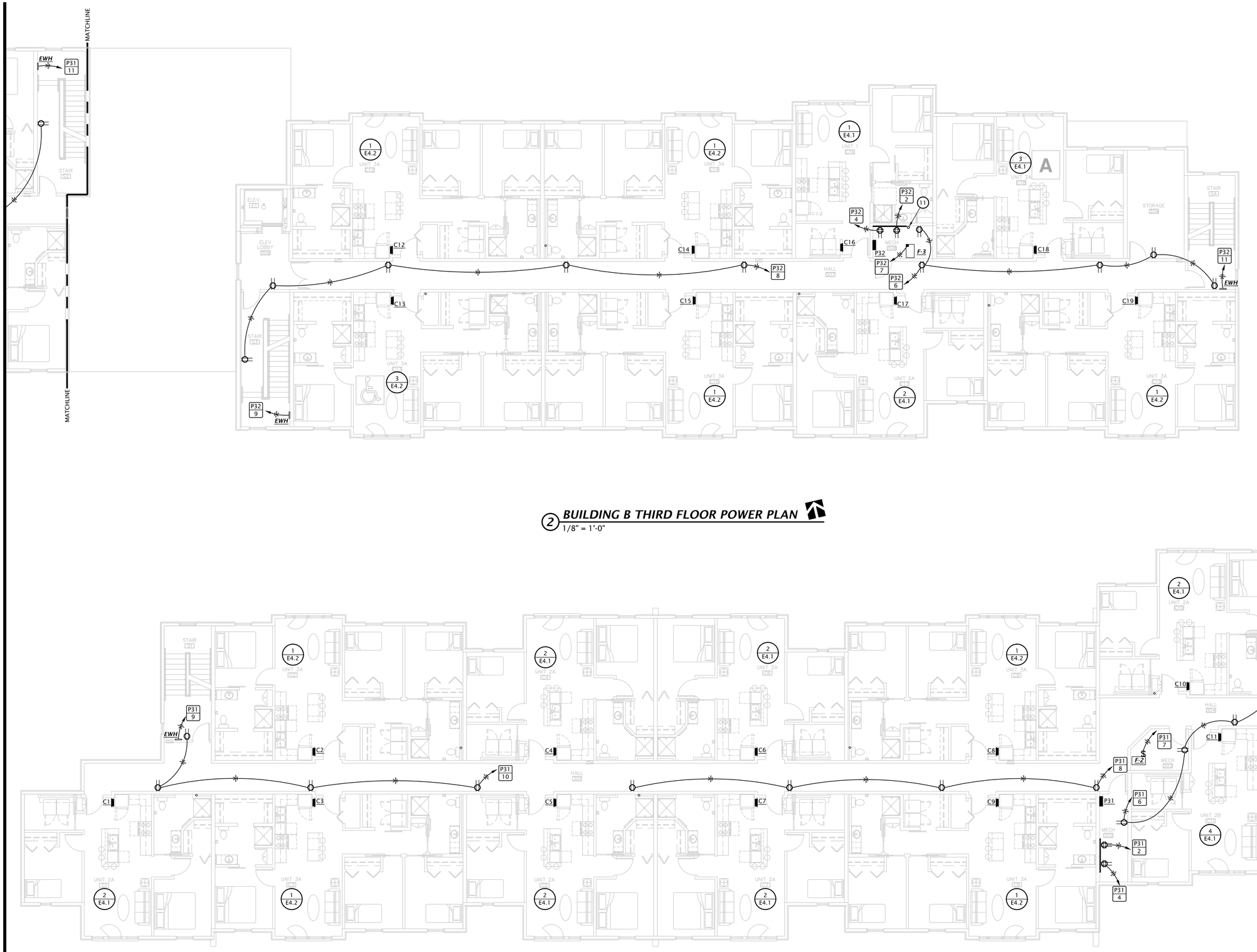
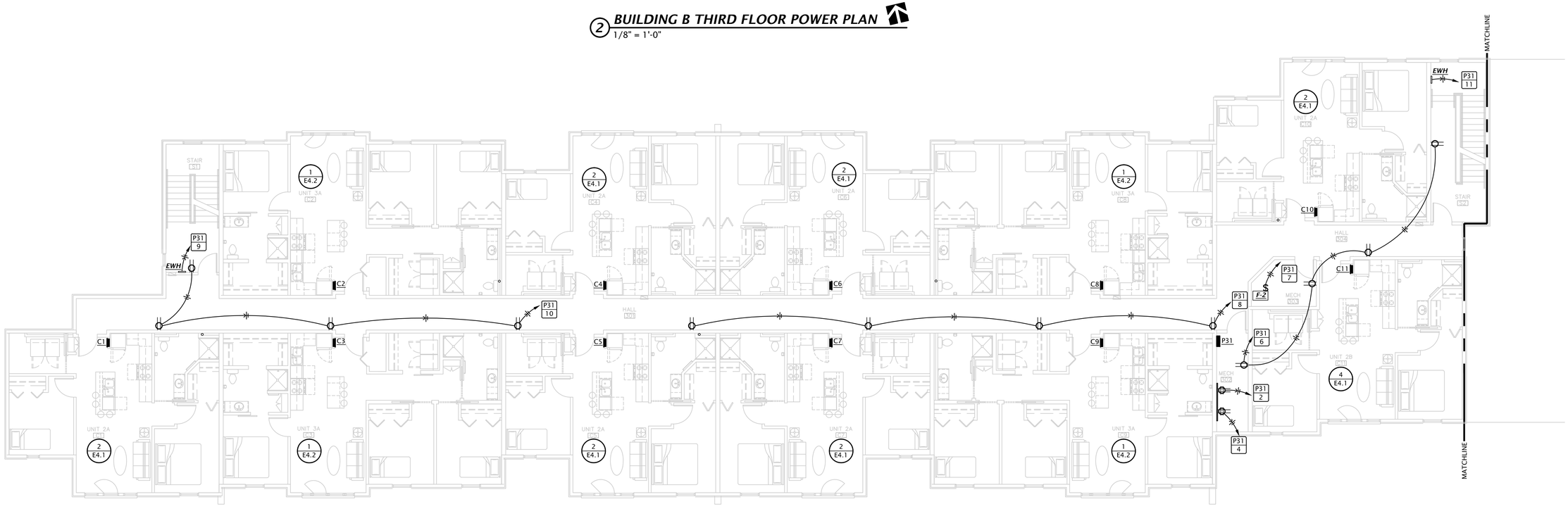


2 **BUILDING B THIRD FLOOR POWER PLAN**
1/8" = 1'-0"



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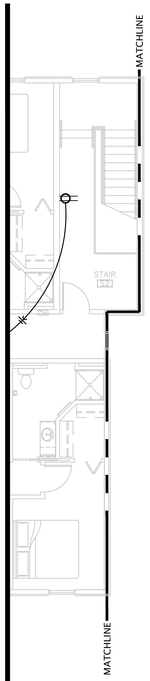

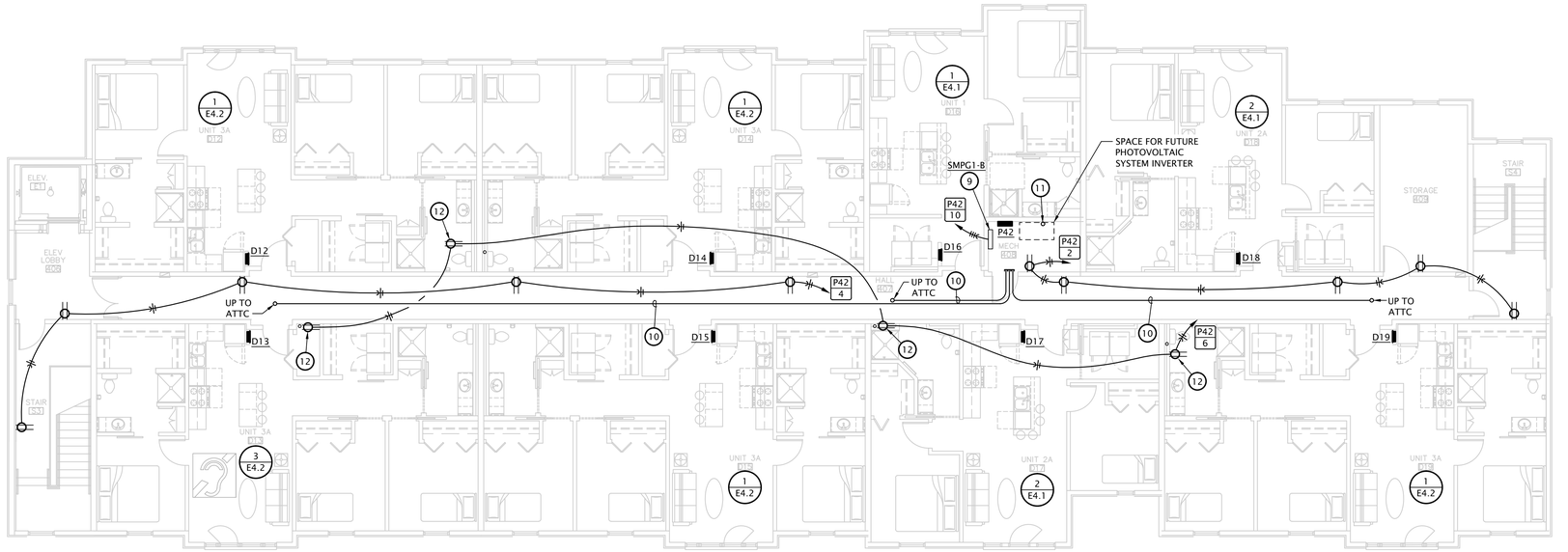

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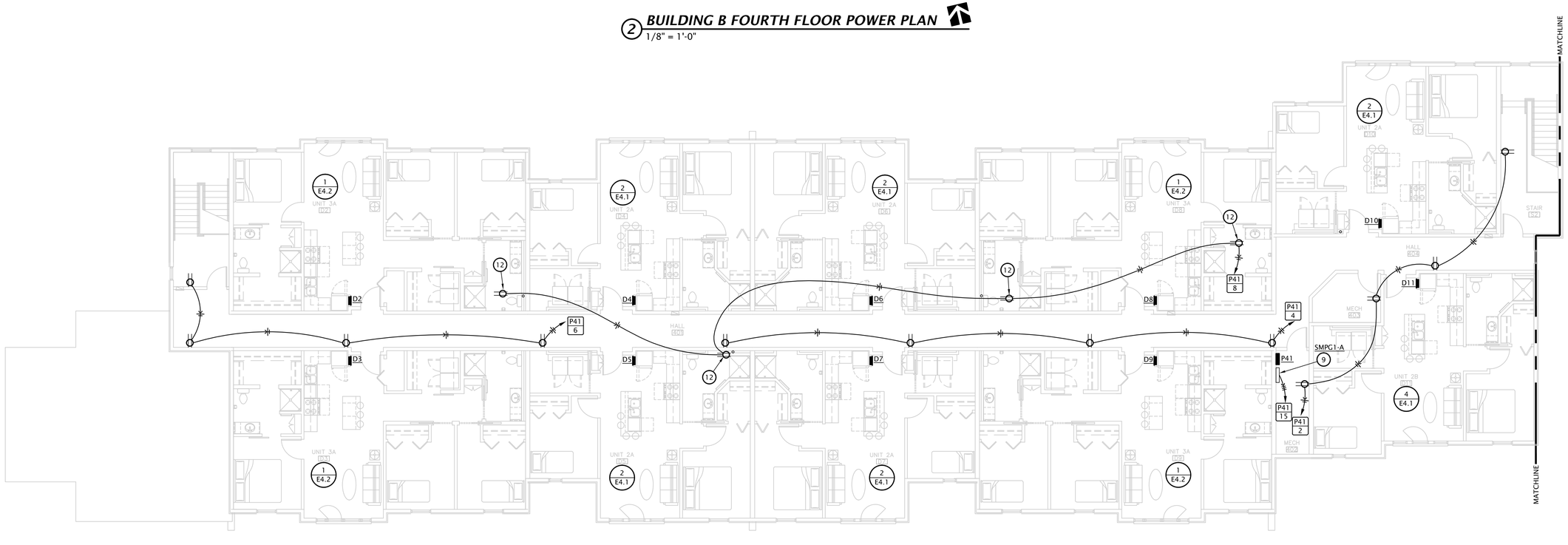

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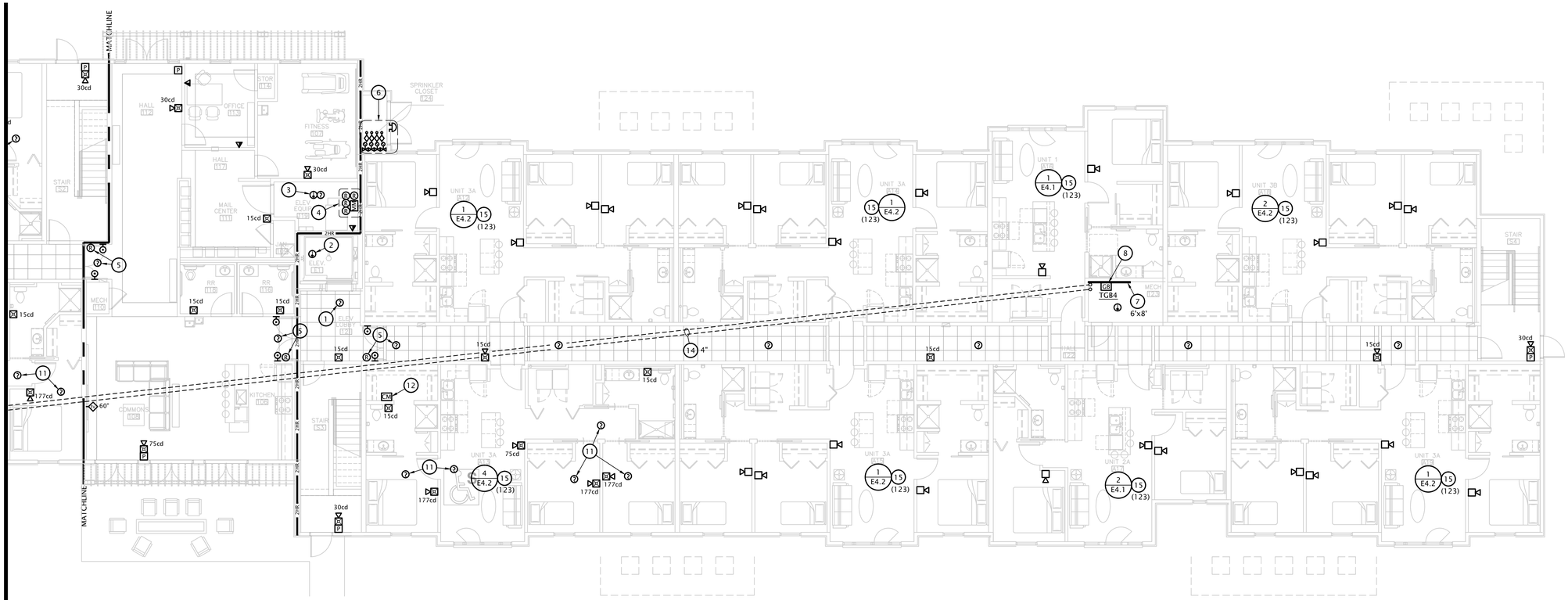
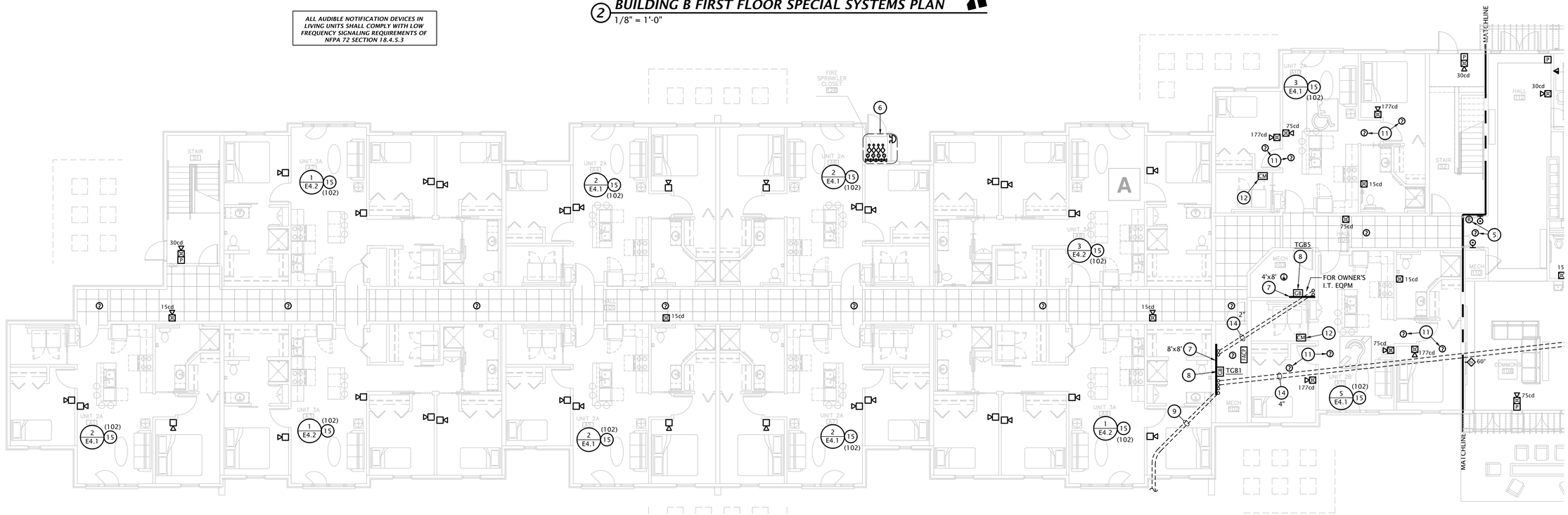


2 BUILDING B FIRST FLOOR SPECIAL SYSTEMS PLAN

1/8" = 1'-0"

ALL AUDIBLE NOTIFICATION DEVICES IN LIVING UNITS SHALL COMPLY WITH LOW FREQUENCY SIGNALING REQUIREMENTS OF NFPA 72 SECTION 18.4.5.3



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PLAN NOTES BY SYMBOL

1. ELEVATOR LOBBY SMOKE DETECTOR. SEE 3/E6.1.
2. INSTALL HEAT DETECTOR IN ELEVATOR PIT. SEE 3/E6.1.
3. ELEVATOR MACHINE ROOM SMOKE AND HEAT DETECTORS. SEE DETAIL 3/E6.1.
4. ADDRESSABLE RELAYS FOR ELEVATOR RECALL, FIREMAN'S HAT, AND POWER SHUNT-TRIP, AND ADDRESSABLE MONITORING MODULE FOR MONITORING OF SHUNT TRIP VOLTAGE. SEE DETAIL 3/E6.1.
5. SMOKE DETECTORS AND ADDRESSABLE RELAY FOR CONTROL OF ELECTROMAGNETIC DOOR HOLDERS. DOORS SHALL RELEASE UPON DETECTION OF SMOKE.
6. PROVIDE ALL REQUIRED FIRE ALARM RELAYS AND MONITORING MODULES FOR ALL FIRE SPRINKLER FLOW SWITCHES, TAMPER SWITCHES AND BELL/GONG. COORDINATE REQUIREMENTS WITH FIRE SPRINKLER CONTRACTOR. COORDINATE LOCATIONS OF VALVES IN SERVICE PIPING WITH CIVIL ENGINEER.
7. TELECOM TERMINAL BOARD: TWO LAYERS OF 3/4" ACX FIRE RESISTANT PLYWOOD (SIZE AS NOTED) PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. MOUNT BOTTOM AT 6" AFF. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
8. TELECOMMUNICATIONS GROUND BAR, SEE 4/E6.1.
9. (2) 4" CONDUITS FOR COMMUNICATIONS SERVICES. SEE SITE PLAN, SHEET ME1.0, FOR CONTINUATION.
10. INSTALL SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR HOISTWAY PER LOCAL JURISDICTION REQUIREMENTS. SEE DETAIL 1:E6.1.
11. FIRE ALARM SYSTEM COMBINATION CO / SMOKE DETECTOR.
12. 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.
13. (2) 4" EMT CONDUIT SLEEVES THROUGH FLOOR FOR COMMUNICATIONS CABLING. PROVIDE WITH FIRESTOPPING FITTINGS (WIREMOLD #FS4R-RED) AT BOTH ENDS.
14. (2) CONDUITS (SIZE NOTED) BELOW SLAB BETWEEN TELECOM EQUIPMENT BOARDS. STUB UP CONDUITS TO 4" AFF, AND PROVIDE PULL ROPE IN EACH RACEWAY.
15. HOMERUN RG-6 COAX AND CAT-6 UTP CABLE FROM TELECOM DISTRIBUTION DEVICE IN APARTMENT TO ROOM INDICATED. SEE 5:E6.1.

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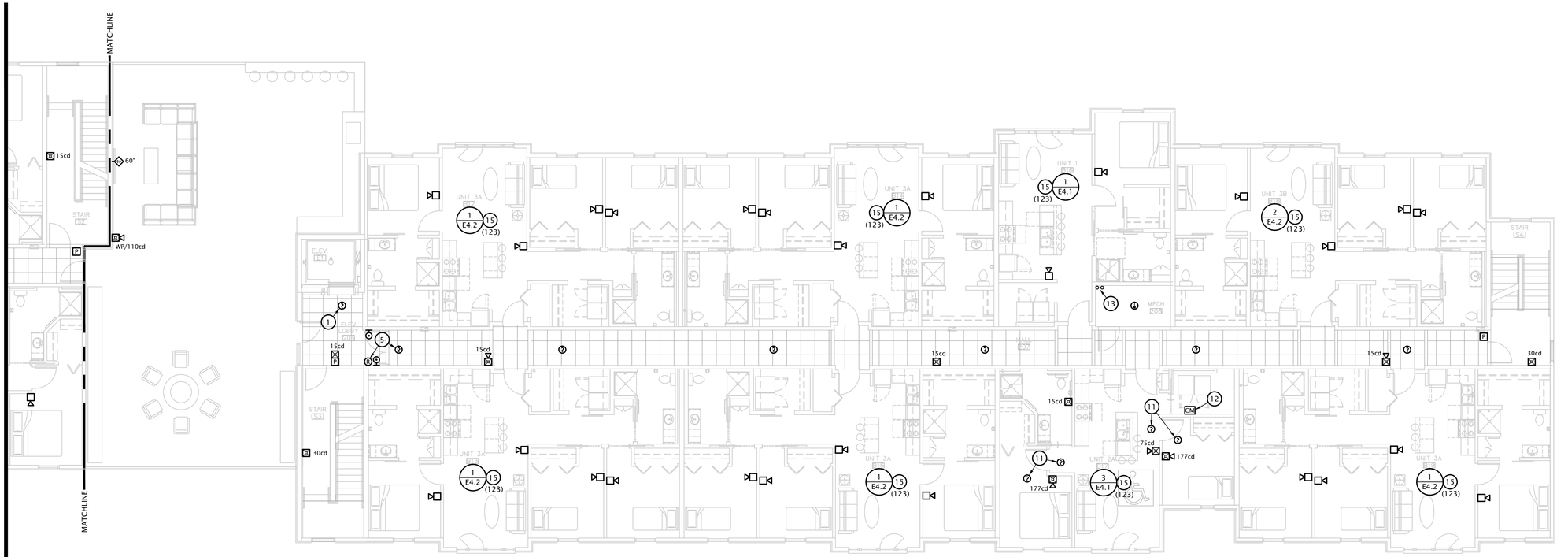

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1/8" = 1'-0"

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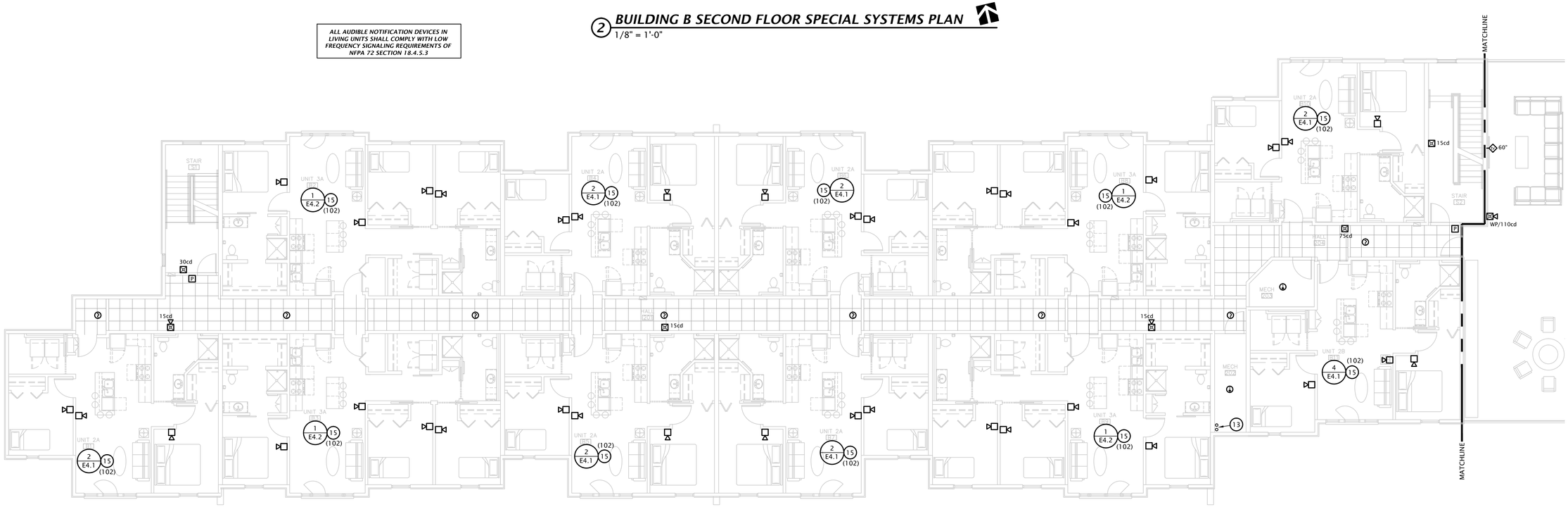

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15. HOMERUN RG-6 COAX AND CAT-6 UTP CABLE FROM TELECOM DISTRIBUTION DEVICE IN APARTMENT TO ROOM INDICATED. SEE 5:E6.1.

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ANGLERS FOUR HUNDRED

APARTMENT COMPLEX

STEAMBOAT SPRINGS, COLORADO

COLORADO REGISTERED
CHRISTOPHER J. LEWIS
37819
05-27-2021
PROFESSIONAL ENGINEER

DATE: 05-27-2021
JOB: 19-3047
SHEET:

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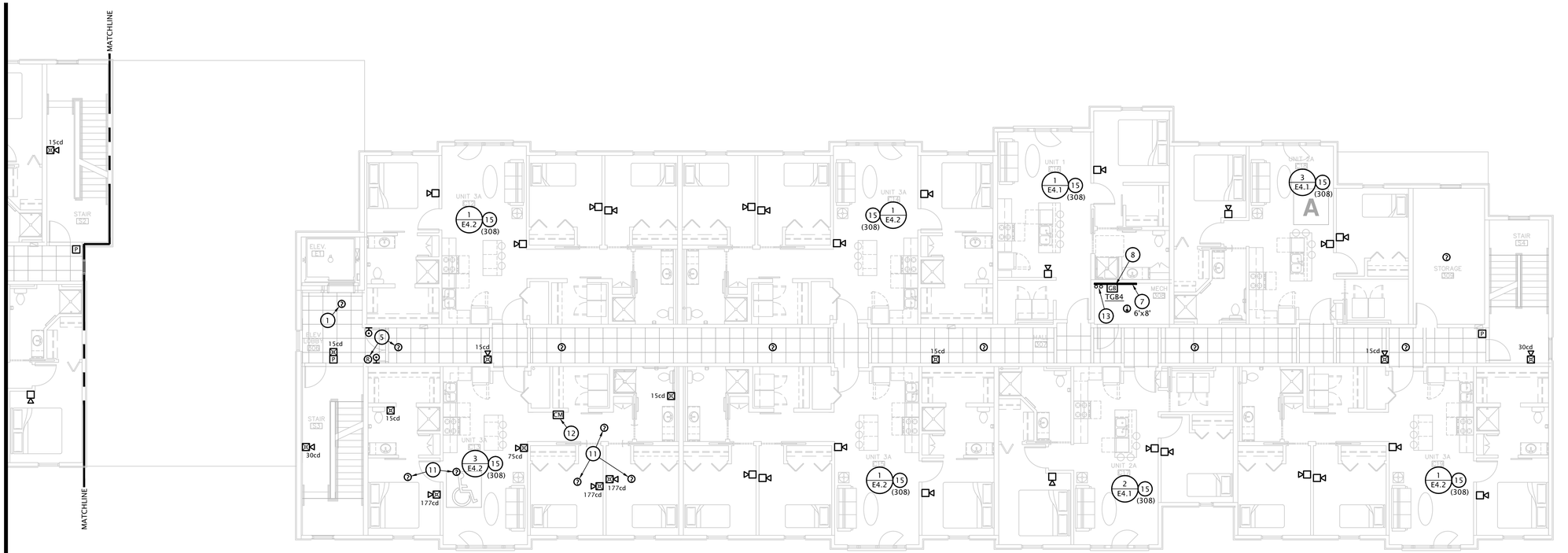
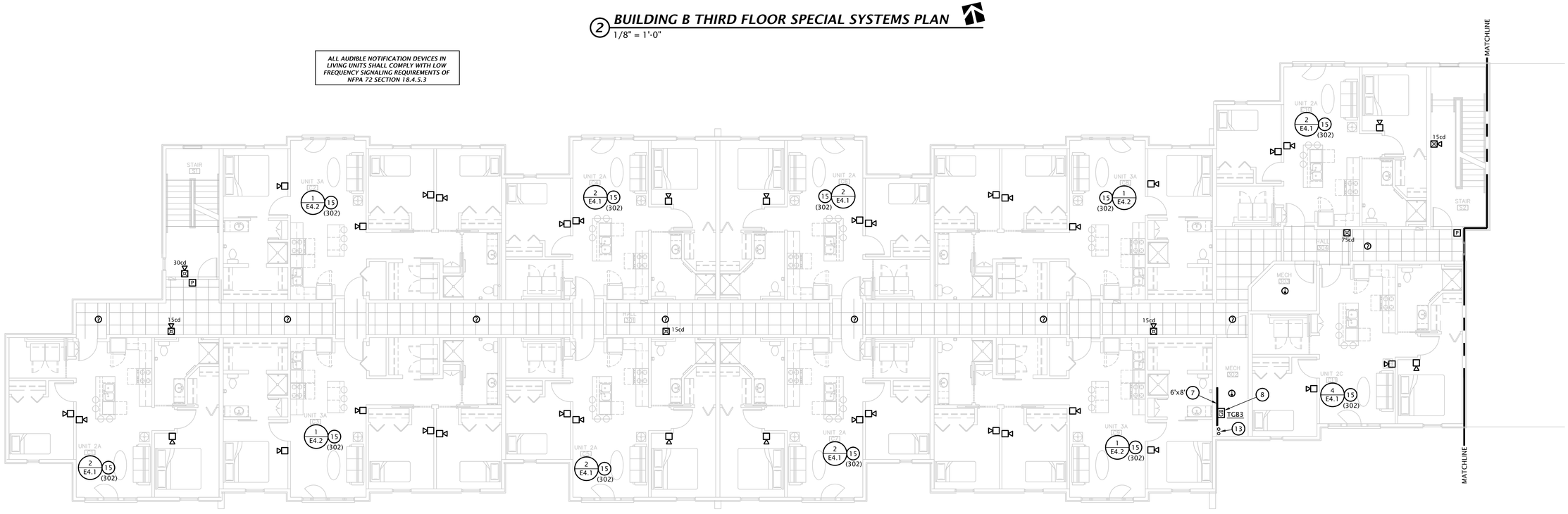


2 BUILDING B THIRD FLOOR SPECIAL SYSTEMS PLAN

1/8" = 1'-0"

ALL AUDIBLE NOTIFICATION DEVICES IN LIVING UNITS SHALL COMPLY WITH LOW FREQUENCY SIGNALING REQUIREMENTS OF NFPA 72 SECTION 18.4.5.3



1 BUILDING A THIRD FLOOR SPECIAL SYSTEMS PLAN

1/8" = 1'-0"

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Project 20086 May 2021

PLAN NOTES BY SYMBOL

1. ELEVATOR LOBBY SMOKE DETECTOR. SEE 3/E6.1.
2. INSTALL HEAT DETECTOR IN ELEVATOR PIT. SEE 3/E6.1.
3. ELEVATOR MACHINE ROOM SMOKE AND HEAT DETECTORS. SEE DETAIL 3/E6.1.
4. ADDRESSABLE RELAYS FOR ELEVATOR RECALL, FIREMAN'S HAT, AND POWER SHUNT-TRIP, AND ADDRESSABLE MONITORING MODULE FOR MONITORING OF SHUNT TRIP VOLTAGE. SEE DETAIL 3/E6.1.
5. SMOKE DETECTORS AND ADDRESSABLE RELAY FOR CONTROL OF ELECTROMAGNETIC DOOR HOLDERS. DOORS SHALL RELEASE UPON DETECTION OF SMOKE.
6. PROVIDE ALL REQUIRED FIRE ALARM RELAYS AND MONITORING MODULES FOR ALL FIRE SPRINKLER FLOW SWITCHES, TAMPER SWITCHES AND BELL/GONG. COORDINATE REQUIREMENTS WITH FIRE SPRINKLER CONTRACTOR. COORDINATE LOCATIONS OF VALVES IN SERVICE PIPING WITH CIVIL ENGINEER.
7. TELECOM TERMINAL BOARD: TWO LAYERS OF 3/4" ACX FIRE RESISTANT PLYWOOD (SIZE AS NOTED) PERMANENTLY FASTENED TO THE WALL BY MEANS OF WALL ANCHORS UTILIZING GALVANIZED, ZINC PLATED, OR STAINLESS STEEL HARDWARE WITH A FLAT HEAD. MOUNT BOTTOM AT 6" AFF. PAINT WITH TWO COATS OF LIGHT GRAY FIRE RETARDANT SEALER PRIOR TO INSTALLATION OF ANY EQUIPMENT.
8. TELECOMMUNICATIONS GROUND BAR, SEE 4/E6.1.
9. (2) 4" CONDUITS FOR COMMUNICATIONS SERVICES. SEE SITE PLAN, SHEET ME1.0, FOR CONTINUATION.
10. INSTALL SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR HOISTWAY PER LOCAL JURISDICTION REQUIREMENTS. SEE DETAIL 1:E6.1.
11. FIRE ALARM SYSTEM COMBINATION CO / SMOKE DETECTOR.
12. FIRE ALARM ADDRESSABLE CONTROL MODULE FOR CONTROL OF APARTMENT UNIT'S NOTIFICATION APPLIANCE CIRCUIT. MODULE SHALL BE PROGRAMMED TO ACTIVATE APARTMENT UNIT'S NOTIFICATION APPLIANCES UPON GENERAL BUILDING FIRE ALARM AND UPON ACTIVATION OF ANY SMOKE DETECTOR OR CO DETECTOR WITHIN APARTMENT UNIT. MOUNT FLUSH IN WALL AT 8'-0" AFF.
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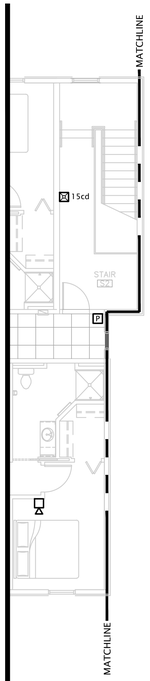

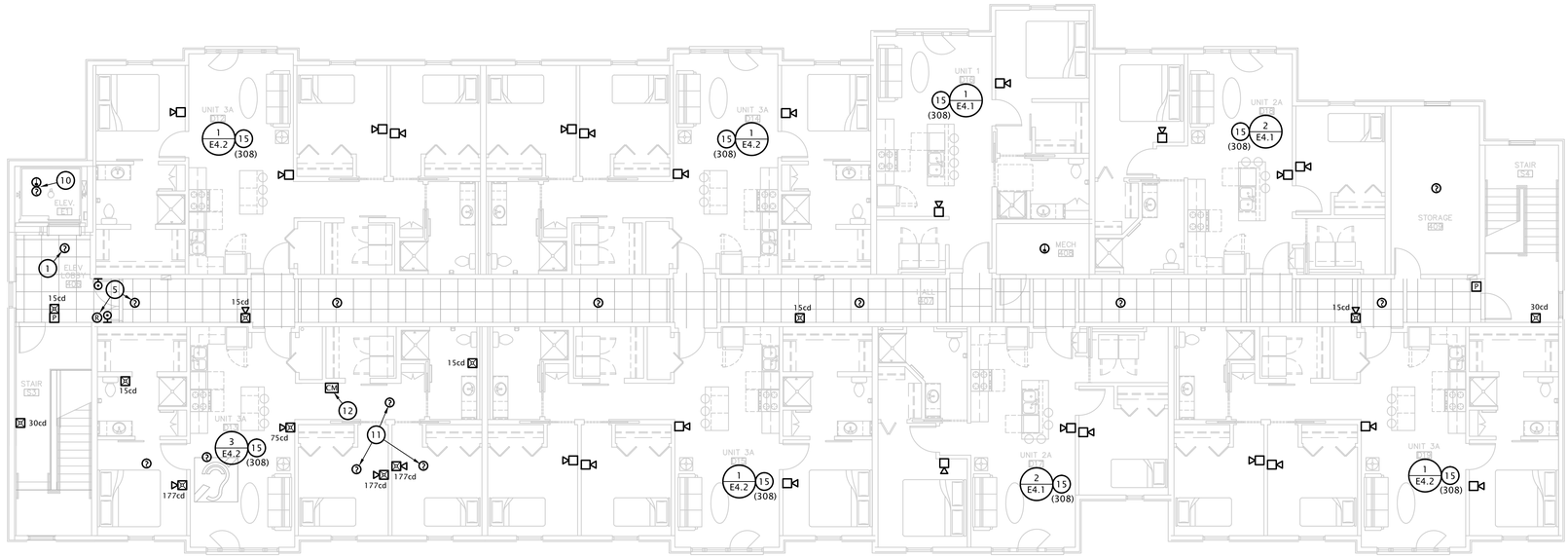

2 BUILDING B FOURTH FLOOR SPECIAL SYSTEMS PLAN

1/8" = 1'-0"

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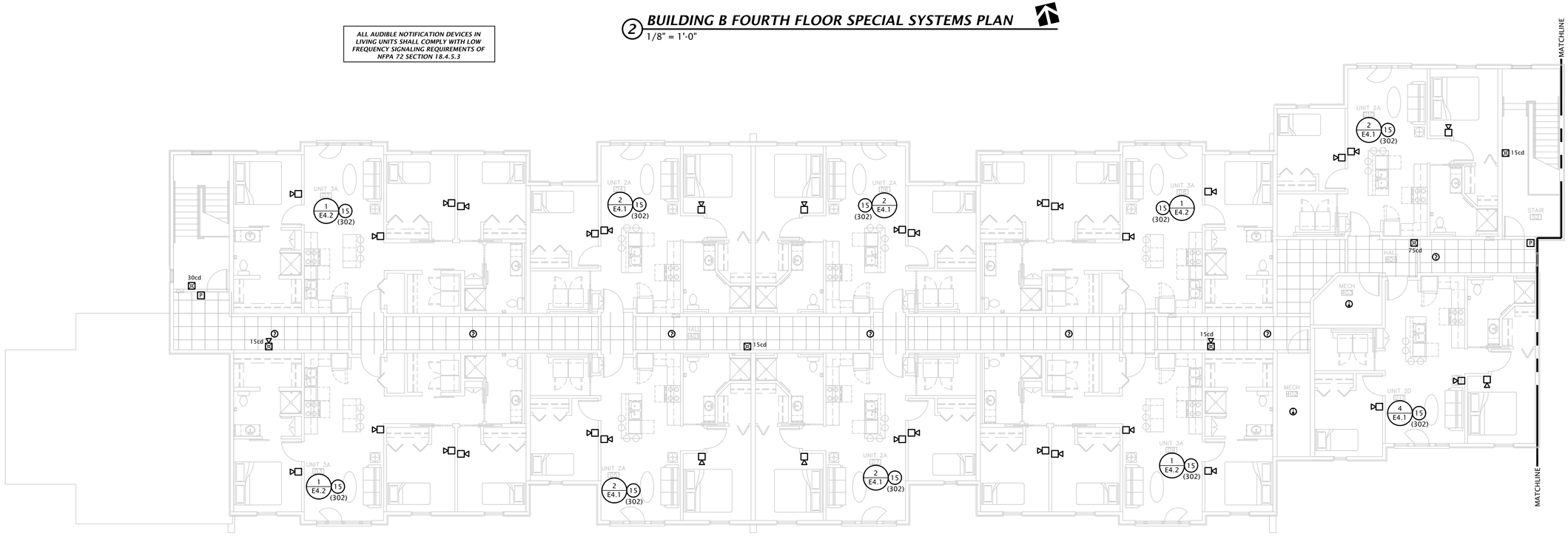

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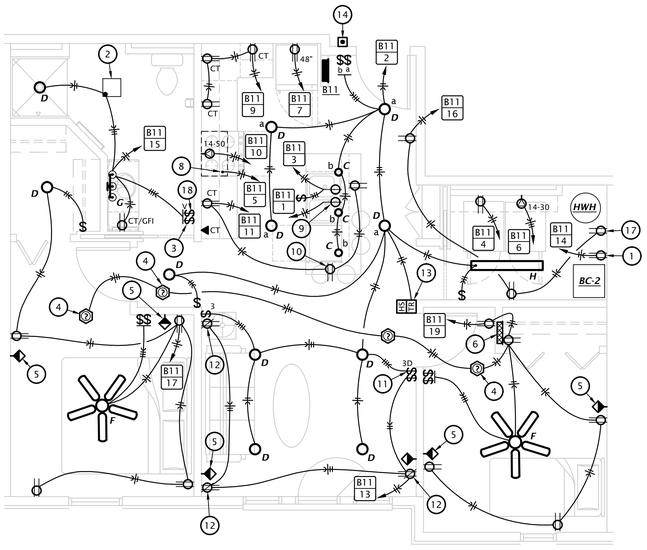
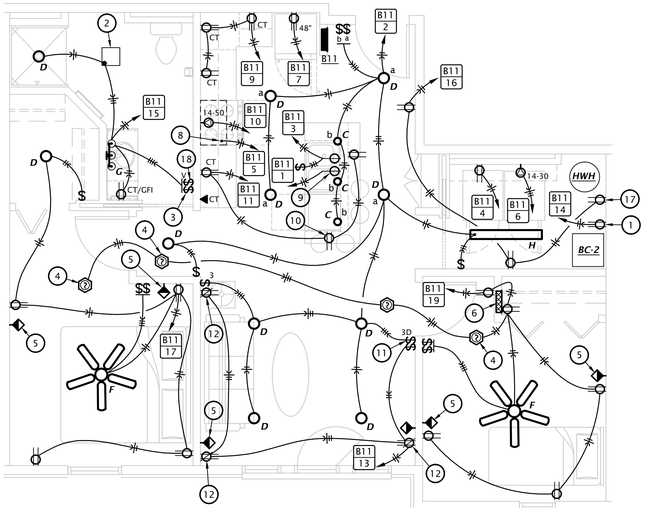
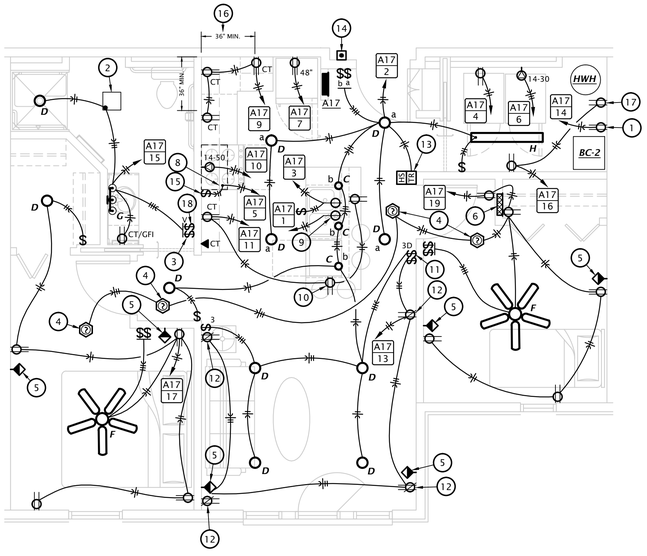


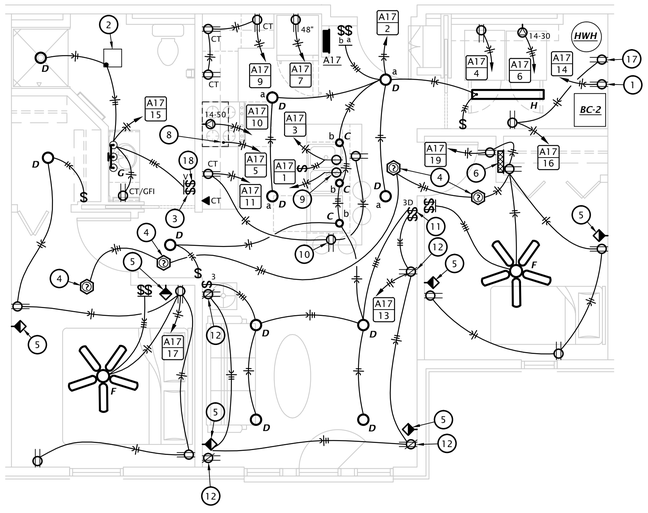
5 2 BEDROOM HEARING IMPAIRED ELECTRICAL PLAN
1/4" = 1'-0"



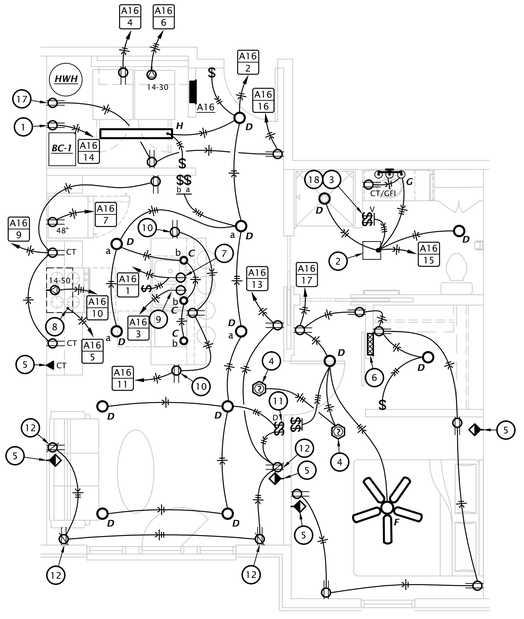
4 2 BEDROOM ELECTRICAL PLAN
1/4" = 1'-0"



3 2 BEDROOM ACCESSIBLE ELECTRICAL PLAN
1/4" = 1'-0"



2 2 BEDROOM ELECTRICAL PLAN
1/4" = 1'-0"



1 1 BEDROOM ELECTRICAL PLAN
1/4" = 1'-0"

⊕ ELECTRICAL PLAN NOTES BY SYMBOL

GENERAL NOTE:

PROVIDE TAMPER PROOF RECEPTACLES IN DWELLING UNITS PER NEC REQUIREMENTS.

1. PROVIDE RECEPTACLE FOR CORD AND PLUG CONNECTION OF BLOWER COIL. PROVIDE 'SO' TYPE CORD AND GROUNDING PLUG FOR BLOWER COIL.
2. CONNECT EXHAUST FAN/LIGHT PROVIDED BY MECHANICAL CONTRACTOR.
3. SWITCH CLOSEST TO THE DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
4. CEILING MOUNTED SMOKE ALARM IN APARTMENTS TO BE 120VAC WITH 9V BATTERY BACKUP, INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE SHALL HAVE CARBON MONOXIDE DETECTOR AND PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85dB OUTPUT AT 10', SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED. BRK #SC7010B OR EQUAL.
5. COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER. SEE 5:E6.1 FOR OUTLET DETAILS.
6. TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. SEE DETAIL 5:E6.1.
7. SWITCHED RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL.
8. PROVIDE 120V CONNECTION TO RANGE HOOD/MICROWAVE. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
9. PROVIDE RECEPTACLE BELOW COUNTER FOR CORD AND PLUG CONNECTION OF DISHWASHER. PROVIDE CORD AND GROUNDING PLUG AS REQUIRED.
10. MOUNT RECEPTACLE IN FACE OF CABINET 6" BELOW COUNTER TOP.
11. PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
12. SWITCH BOTTOM HALF OF RECEPTACLE AND WIRE TOP HALF TO UNSWITCHED CIRCUIT.
13. PROVIDE DOOR ANNUNCIATOR SYSTEM A/V HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED GUESTS. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. INSTALL HORN/STROBE APPLIANCE AT 80" AFF PER ADA. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. REFER TO DETAIL 2, SHEET E6.1. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
14. 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. REFER TO DETAIL 2, SHEET E6.1.
15. PROVIDE SWITCH IN ACCESSIBLE UNITS FOR CONTROL OF RANGE HOOD.
16. IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 'SIDE REACH OVER AN OBSTRUCTION' REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE.PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
17. PROVIDE RECEPTACLE FOR CORD AND PLUG CONNECTION OF WATER HEATER CONTROLS. PROVIDE 'SO' TYPE CORD AND GROUNDING PLUG FOR WATER HEATER.
18. PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW:

    1 BEDROOM: 16 MINUTES PER HOUR
    2 BEDROOM: 23 MINUTES PER HOUR
    3 BEDROOM: 31 MINUTES PER HOUR

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Designation: (3BR Apt #)	Manufacturer: Square D 'QO'
Location: 1 Bedroom Apt	Bus Amps: 125
Voltage: 208/120V-1Ph-3W	MCB Amps: MLO
Enclosure: NEMA 1	AIC Rating: 10 KAIC
Mounting: Recessed Flush	Other:

Note	Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #	Note
2	1	DISPOSAL	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHEN/LIVING/HALL LTS	2	1
2	3	DISHWASHER	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	CLOTHES WASHER RCPT	4	2
2	5	HOOD/MICROWAVE	2#12, #12G, 1/2"C	20 / 1	30 / 2	3#10, #10G, 3/4"C	CLOTHES DRYER	6	
2	7	REFRIGERATOR	2#12, #12G, 1/2"C	20 / 1				8	
2	9	KITCHEN RCPTS	2#12, #12G, 1/2"C	20 / 1	50 / 2	3#6, #10G, 1"C	RANGE	10	
2	11	KITCHEN RCPTS	2#12, #12G, 1/2"C	20 / 1				12	
1	13	LIVING ROOM RCPTS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	FURNACE	14	
	15	MASTER BATHROOM	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: LAUNDRY ROOM/ WATER HEATER CONTROL	16	2
1	17	MASTER BEDROOM	2#12, #12G, 1/2"C	20 / 1	25 / 2	2#10, #10G, 1/2"C	CONDENSING UNIT 'CU-3'	18	
1	19	2ND BEDROOM	2#12, #12G, 1/2"C	20 / 1				20	
	21	3RD BEDROOM	2#12, #12G, 1/2"C	20 / 1	---	---	SPACE ONLY	22	
	23	2ND BATHROOM	2#12, #12G, 1/2"C	20 / 1	---	---	SPACE ONLY	24	

Designation: (2BR Apt #)	Manufacturer: Square D 'QO'
Location: 1 Bedroom Apt	Bus Amps: 125
Voltage: 208/120V-1Ph-3W	MCB Amps: MLO
Enclosure: NEMA 1	AIC Rating: 10 KAIC
Mounting: Recessed Flush	Other:

Note	Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #	Note
2	1	DISPOSAL	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHEN/LIVING/HALL LTS	2	1
2	3	DISHWASHER	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	CLOTHES WASHER RCPT	4	2
2	5	HOOD/MICROWAVE	2#12, #12G, 1/2"C	20 / 1	30 / 2	3#10, #10G, 3/4"C	CLOTHES DRYER	6	
2	7	REFRIGERATOR	2#12, #12G, 1/2"C	20 / 1				8	
2	9	KITCHEN RCPTS	2#12, #12G, 1/2"C	20 / 1	50 / 2	3#6, #10G, 1"C	RANGE	10	
2	11	KITCHEN RCPTS	2#12, #12G, 1/2"C	20 / 1				12	
1	13	LIVING ROOM RCPTS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	FURNACE	14	
	15	BATHROOM	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: LAUNDRY ROOM/ WATER HEATER CONTROL	16	2
1	17	MASTER BEDROOM	2#12, #12G, 1/2"C	20 / 1	30 / 2	2#10, #10G, 1/2"C	CONDENSING UNIT 'CU-2'	18	
1	19	2ND BEDROOM	2#12, #12G, 1/2"C	20 / 1				20	
	21	SPACE ONLY	---	---	---	---	SPACE ONLY	22	
	23	SPACE ONLY	---	---	---	---	SPACE ONLY	24	

Designation: (1BR Apt #)	Manufacturer: Square D 'QO'
Location: 1 Bedroom Apt	Bus Amps: 125
Voltage: 208/120V-1Ph-3W	MCB Amps: MLO
Enclosure: NEMA 1	AIC Rating: 10 KAIC
Mounting: Recessed Flush	Other:

Note	Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #	Note
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2	5	HOOD/MICROWAVE	2#12, #12G, 1/2"C	20 / 1	30 / 2	3#10, #10G, 3/4"C	CLOTHES DRYER	6	
2	7	REFRIGERATOR	2#12, #12G, 1/2"C	20 / 1				8	
2	9	KITCHEN RCPTS	2#12, #12G, 1/2"C	20 / 1	50 / 2	3#6, #10G, 1"C	RANGE	10	
2	11	KITCHEN RCPTS	2#12, #12G, 1/2"C	20 / 1				12	
1	13	LIVING ROOM RCPTS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	FURNACE	14	
	15	BATHROOM	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: LAUNDRY ROOM/ WATER HEATER CONTROL	16	2
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	19	SPACE ONLY	---	---				20	
	21	SPACE ONLY	---	---	---	---	SPACE ONLY	22	
	23	SPACE ONLY	---	---	---	---	SPACE ONLY	24	

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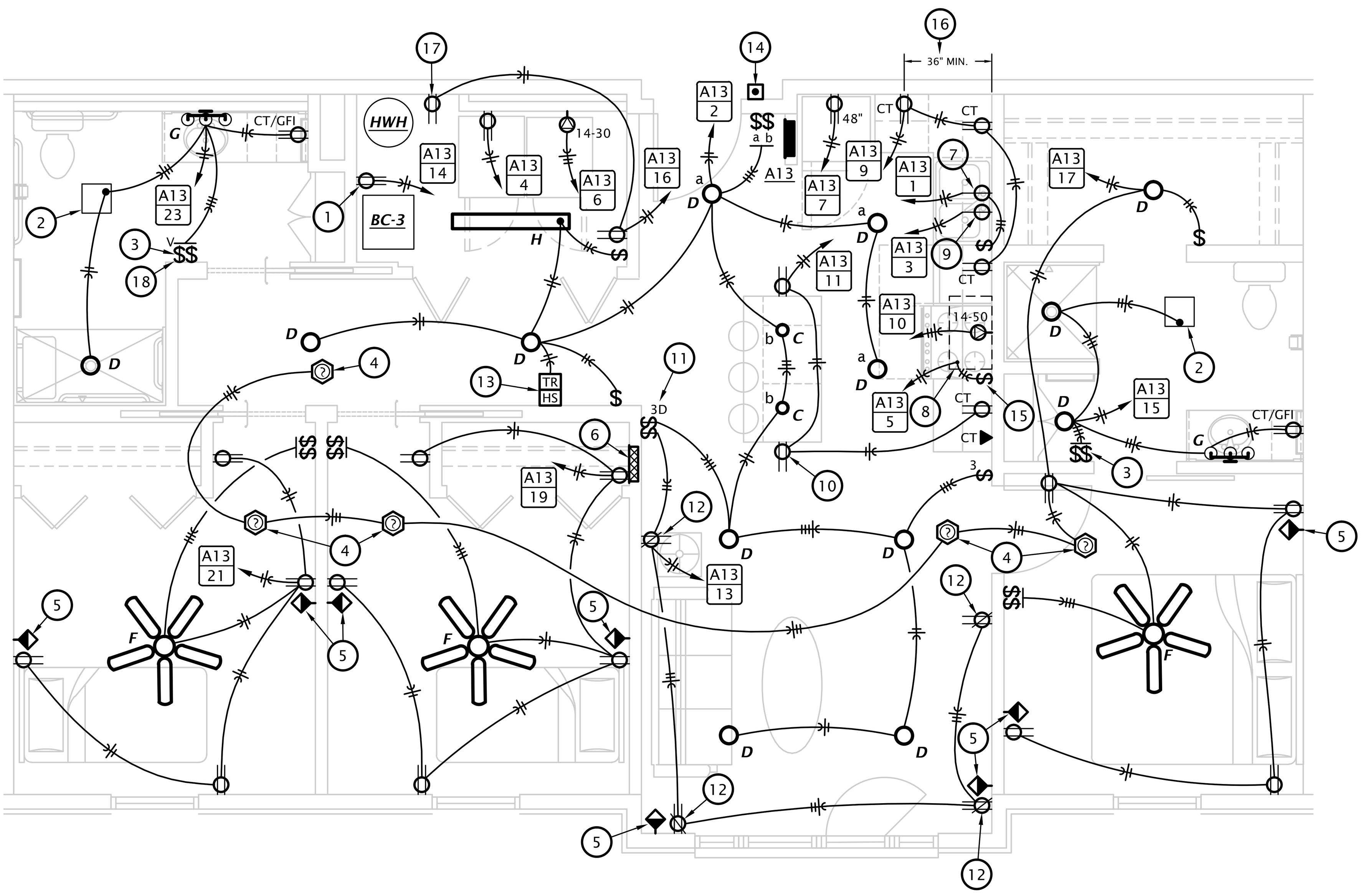
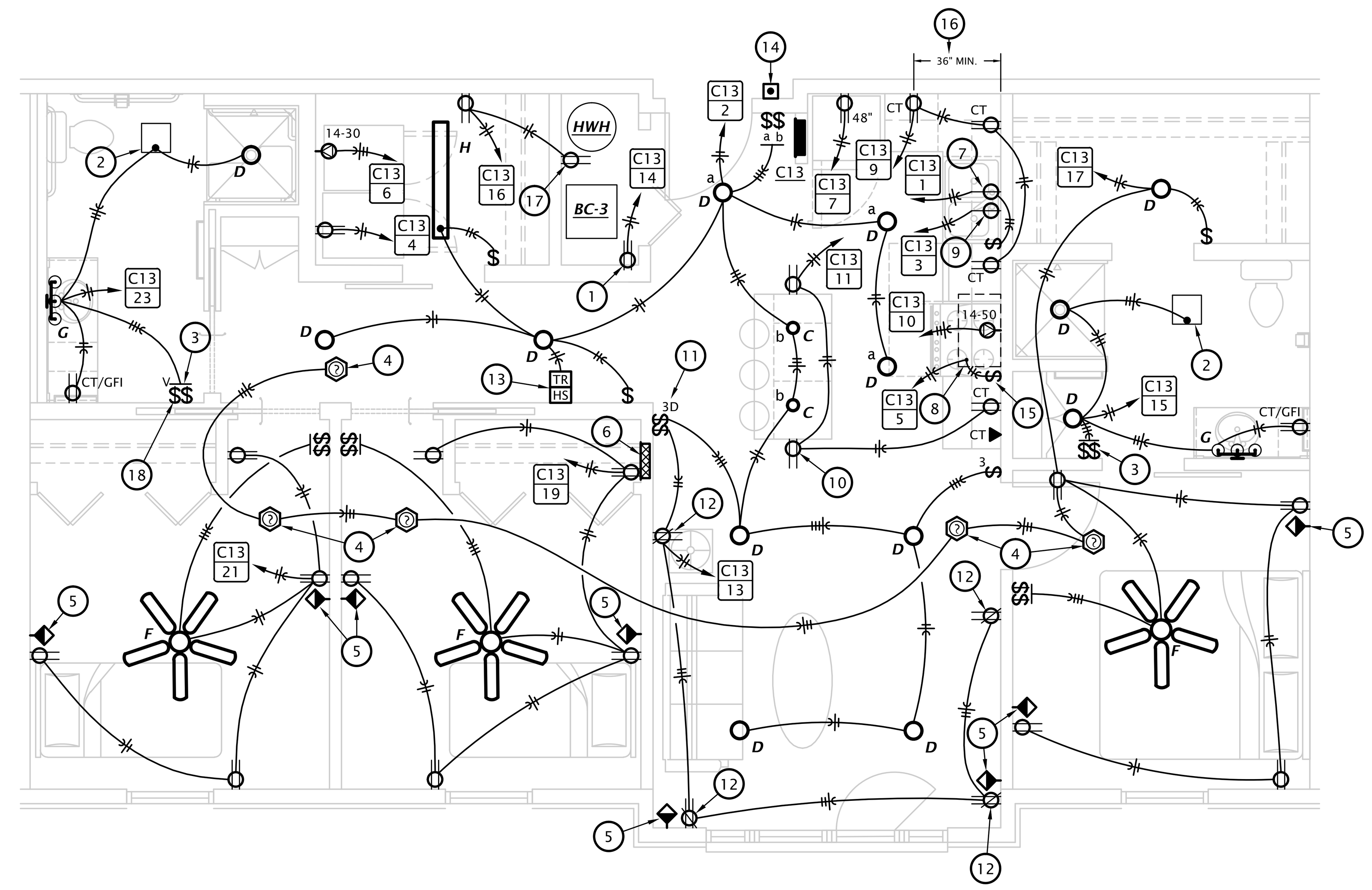
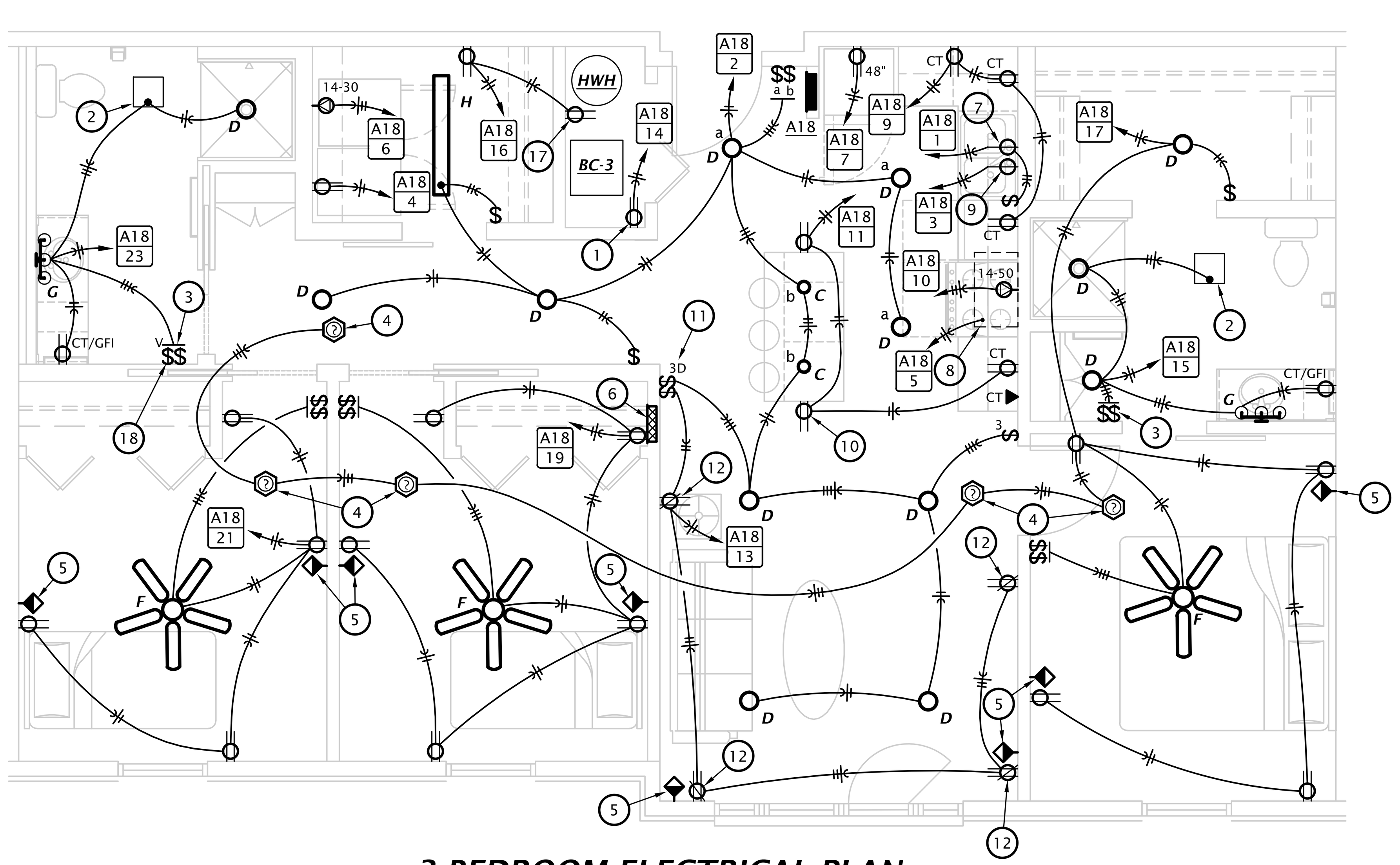


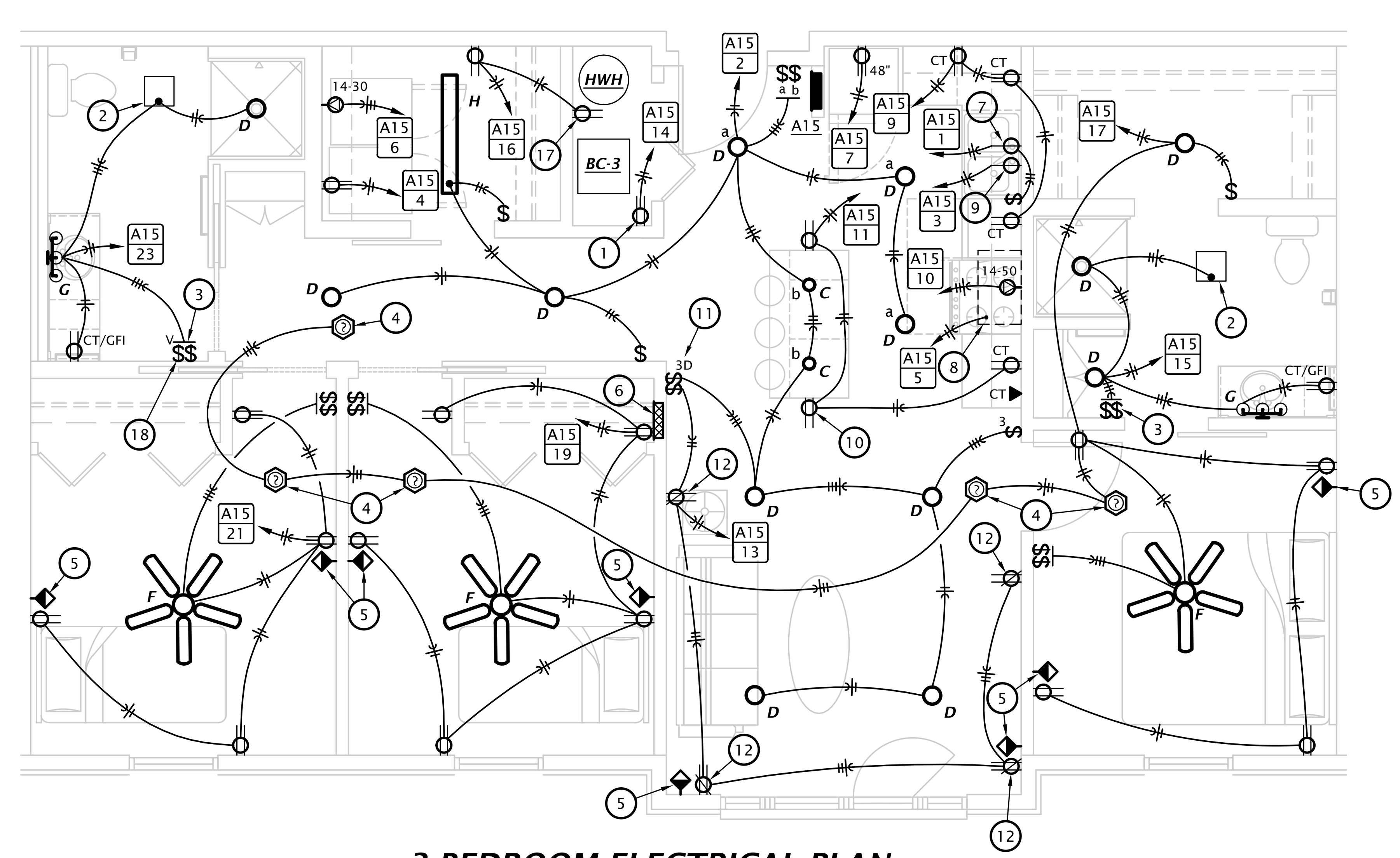
4 3 BEDROOM ACCESSIBLE ELECTRICAL PLAN
1/4" = 1'-0"



3 3 BEDROOM ACCESSIBLE ELECTRICAL PLAN
1/4" = 1'-0"



2 3 BEDROOM ELECTRICAL PLAN
1/4" = 1'-0"



1 3 BEDROOM ELECTRICAL PLAN
1/4" = 1'-0"

PANEL SCHEDULE NOTES BY SYMBOL

1. PROVIDE ARC FAULT CIRCUIT INTERRUPTING (AFCI) BREAKER.
2. PROVIDE COMBINATION ARC FAULT CIRCUIT INTERRUPTING/GROUND FAULT CIRCUIT INTERRUPTING (AFCI/GFCI) BREAKER.

ELECTRICAL PLAN NOTES BY SYMBOL

GENERAL NOTE:

PROVIDE TAMPER PROOF RECEPTACLES IN DWELLING UNITS PER NEC REQUIREMENTS.

1. PROVIDE RECEPTACLE FOR CORD AND PLUG CONNECTION OF BLOWER COIL. PROVIDE 'SO' TYPE CORD AND GROUNDING PLUG FOR BLOWER COIL.
2. CONNECT EXHAUST FAN/LIGHT PROVIDED BY MECHANICAL CONTRACTOR.
3. SWITCH CLOSEST TO THE DOOR SHALL CONTROL ALL LIGHTS IN BATHROOM, AND THE OTHER SWITCH SHALL CONTROL THE EXHAUST FAN.
4. CEILING MOUNTED SMOKE ALARM IN APARTMENTS TO BE 120VAC WITH 9V BATTERY BACKUP, INTERCONNECTED TO OTHERS IN SAME APARTMENT. DEVICE SHALL HAVE CARBON MONOXIDE DETECTOR AND PHOTOELECTRIC TYPE SMOKE DETECTOR WITH SOUNDER HORN HAVING AN 85dB OUTPUT AT 10', SHALL HAVE A SINGLE BUTTON FOR TEST/SILENCE AND LED INDICATOR LIGHTS, AND SHALL BE UL 217 LISTED. BRK #SC7010B OR EQUAL.
5. COORDINATE FINAL LOCATIONS OF ALL CATV AND PHONE OUTLETS WITH OWNER. SEE 5:E6.1 FOR OUTLET DETAILS.
6. TELECOM DISTRIBUTION DEVICE APPROXIMATELY 4'-0" AFF. SEE DETAIL 5:E6.1.
7. SWITCHED RECEPTACLE BELOW COUNTER FOR GARBAGE DISPOSAL.
8. PROVIDE 120V CONNECTION TO RANGE HOOD/MICROWAVE. STANDARD AND ADAPTABLE UNITS WILL HAVE MICROWAVE ABOVE RANGE. ACCESSIBLE UNITS WILL HAVE RANGE HOOD. COORDINATE EXACT ELECTRICAL ROUGH-IN REQUIREMENTS WITH EQUIPMENT PROVIDED. IF EQUIPMENT IS CORD AND PLUG, PROVIDE RECEPTACLE INSIDE CABINET ABOVE RANGE.
9. PROVIDE RECEPTACLE BELOW COUNTER FOR CORD AND PLUG CONNECTION OF DISHWASHER. PROVIDE CORD AND GROUNDING PLUG AS REQUIRED.
10. MOUNT RECEPTACLE IN FACE OF CABINET 6" BELOW COUNTER TOP.
11. PROVIDE PRESET SLIDE DIMMER COMPATIBLE WITH ASSOCIATED LIGHT FIXTURES.
12. SWITCH BOTTOM HALF OF RECEPTACLE AND WIRE TOP HALF TO UNSWITCHED CIRCUIT.
13. PROVIDE DOOR ANNUNCIATOR SYSTEM A/V HORN/STROBE DEVICE AND LOW VOLTAGE TRANSFORMER AT ALL ACCESSIBLE APARTMENTS AND ALSO AT APARTMENTS DESIGNATED FOR HEARING-IMPAIRED GUESTS. REFER TO ARCH DRAWINGS FOR APPLICABLE ROOMS. INSTALL HORN/STROBE APPLIANCE AT 80" AFF PER ADA. INSTALL TRANSFORMER IN DOUBLE GANG JUNCTION BOX ABOVE HORN/STROBE WITH BLANK COVER PLATE AND PROVIDE LOW VOLTAGE CONTROL WIRING. REFER TO DETAIL 2, SHEET E6.1. PROVIDE ENGRAVED SIGN AT THE HORN/STROBE DEVICE TO READ "DOOR".
14. 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. REFER TO DETAIL 2, SHEET E6.1.
15. PROVIDE SWITCH IN ACCESSIBLE UNITS FOR CONTROL OF RANGE HOOD.
16. IN ACCESSIBLE UNITS, INSTALL COUNTERTOP RECEPTACLES A MINIMUM 36" AWAY FROM CORNER PER FAIR HOUSING ACT DESIGN MANUAL CHAPTER 5 'SIDE REACH OVER AN OBSTRUCTION' REQUIREMENTS. WHERE AN OBSTRUCTION PREVENTS 36" DISTANCE REQUIREMENT, INSTALL RECEPTACLE AS FAR FROM CORNER AS POSSIBLE.PROVIDE ADDITIONAL OUTLETS WITHIN 36" OF CORNER TO ENSURE COMPLIANCE WITH NEC SPACING REQUIREMENTS.
17. PROVIDE RECEPTACLE FOR CORD AND PLUG CONNECTION OF WATER HEATER CONTROLS. PROVIDE 'SO' TYPE CORD AND GROUNDING PLUG FOR WATER HEATER.
18. PROVIDE TIMER SWITCH EQUAL TO AIR CYCLER 'SMART EXHAUST' FOR CONTROL OF EXHAUST FAN. SET SWITCH PER MANUFACTURER'S INSTRUCTIONS TO OPERATE FAN AS INDICATED BELOW:
    1 BEDROOM: 16 MINUTES PER HOUR
    2 BEDROOM: 23 MINUTES PER HOUR
    3 BEDROOM: 31 MINUTES PER HOUR

ANGLERS FOUR HUNDRED

APARTMENT COMPLEX

STEAMBOAT SPRINGS, COLORADO

DATE: 05-27-2021
JOB: 19-3047
SHEET: E4.2

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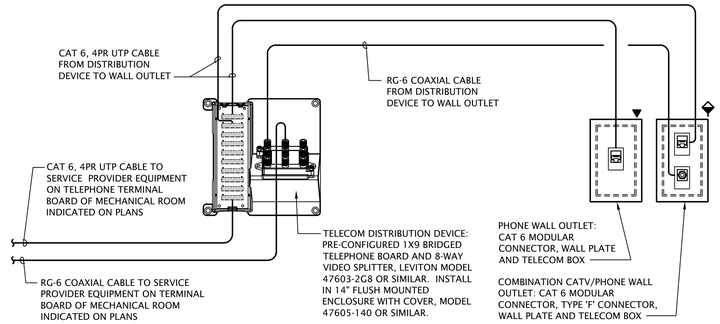
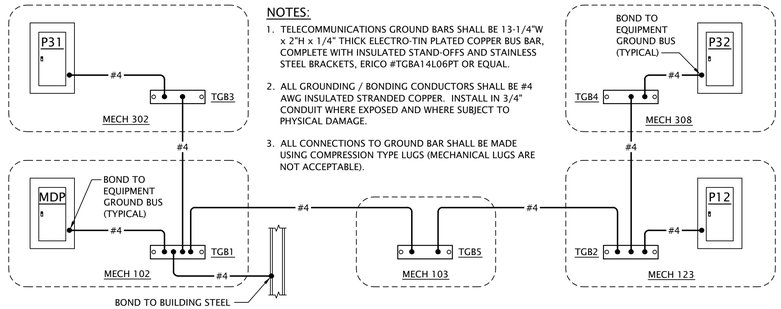
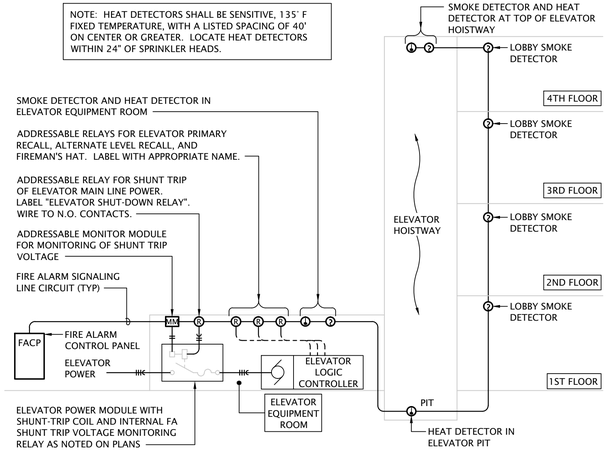
Project 20086 May 2021



5 APARTMENT TELECOM WIRING SCHEMATIC
NO SCALE



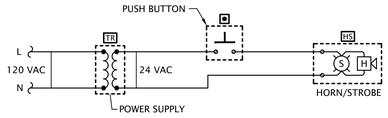
4 TELECOM GROUNDING & BONDING DIAGRAM
No Scale



ELEVATOR SEQUENCE OF OPERATION: (DURING SMOKE/HEAT ALARM)

1. UPON SENSING SMOKE FROM ONE OR MORE LOBBY, ELEVATOR HOISTWAY OR ELEVATOR EQUIPMENT ROOM, THE SMOKE DETECTOR SHALL SIGNAL THE FACP, WHICH WILL FORWARD THE SIGNAL TO THE ELEVATOR LOGIC CONTROLLER TO RECALL ELEVATOR CAB TO THE DESIGNATED MAIN FLOOR. IF DESIGNATED FLOOR'S LOBBY SMOKE DETECTOR SENSES SMOKE AT THAT FLOOR, THE ELEVATOR CONTROLLER WILL SEND THE ELEVATOR CAB TO THE NEXT FLOOR CLEAR OF SMOKE. ONCE THE ELEVATOR CAB HAS REACHED THE DESIGNATED FLOOR, THE ELEVATOR CAB DOORS WILL OPEN AND THE CONTROLLER WILL LOCK THE ELEVATOR CAB AT THAT FLOOR, DISABLING THE ELEVATOR CAB CONTROLS, UNLESS A FIREMAN'S KEY IS USED TO OVERRIDE AUTOMATIC CONTROLS.
2. ALL SMOKE DETECTORS (LOBBIES, HOISTWAY, MACHINE ROOM) SHALL TRANSMIT A SEPARATE AND DISTINCT VISIBLE ANNUNCIATION AT THE FACP AND ANNUNCIATOR PANEL.
3. HEAT DETECTORS IN THE ELEVATOR HOISTWAY AND ELEVATOR EQUIPMENT ROOM WILL SEND A SIGNAL TO THE SHUNT-TRIP SWITCH POWERING THE ELEVATOR SO AS TO SHUT DOWN POWER TO THAT CIRCUIT. (THIS IS A NON-AUTO RESET SWITCH). WHEN THE SPRINKLER HEAD HAS REACHED ITS CRITICAL TEMPERATURE OF 165° F., THE HEAD WILL BEGIN DISCHARGE OF WATER.

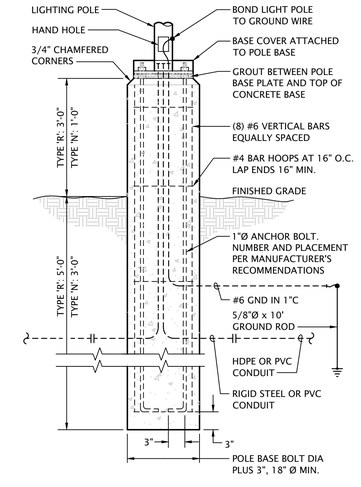
3 ELEVATOR INTERLOCK WITH FIRE ALARM
No Scale



DOOR ALARM BUZZER SYSTEM NOTES

1. PROVIDE DOOR ANNUNCIATOR SYSTEM COMPLETE WITH PUSH BUTTON, HORN/STROBE(S), POWER SUPPLIES AND ALL WIRING REQUIRED. HORN/STROBE SHALL ACTIVATE WHEN PUSH BUTTON IS DEPRESSED.
2. HORN/STROBE SHALL OPERATE AT 24VAC, HAVE A CLEAR LENS WITH 50cd STROBE AND HORN WITH 82dB AT 10', UL 1638 LISTED, EDWARDS #6536-G5. FLUSH MOUNT IN WALL AT 6'-8" AFF.
3. PUSH BUTTON SHALL BE WHITE WITH CHROME RIM, NON-ILLUMINATED, WITH N.O. MOMENTARY CONTACTS, RATED FOR 0.67 AMPS AT 24VAC, EDWARDS #620. PROVIDE WITH STAINLESS STEEL COVER PLATE, EDWARDS #147-10. MOUNT AT 48" AFF.
4. POWER SUPPLY SHALL BE A LOW VOLTAGE CLASS 2 TRANSFORMER WITH 120VAC PRIMARY AND 24VAC SECONDARY, 20VA, EDWARDS #598. FLUSH MOUNT IN 2-GANG WALL BOX WITH BLANK COVER PLATE, DIRECTLY ABOVE HORN/STROBE.
5. LOW VOLTAGE CLASS 2 CABLING SHALL BE MINIMUM 18 AWG UNSHIELDED.

2 APARTMENT DOORBELL WIRING SCHEMATIC
No Scale



1 CONCRETE POLE BASE DETAIL
No Scale

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JONES GILLAM RENZ

ANGLERS FOUR HUNDRED
APARTMENT COMPLEX
STEAMBOAT SPRINGS, COLORADO

DATE: 05–27–2021
JOB: 19–3047
SHEET: E6.1

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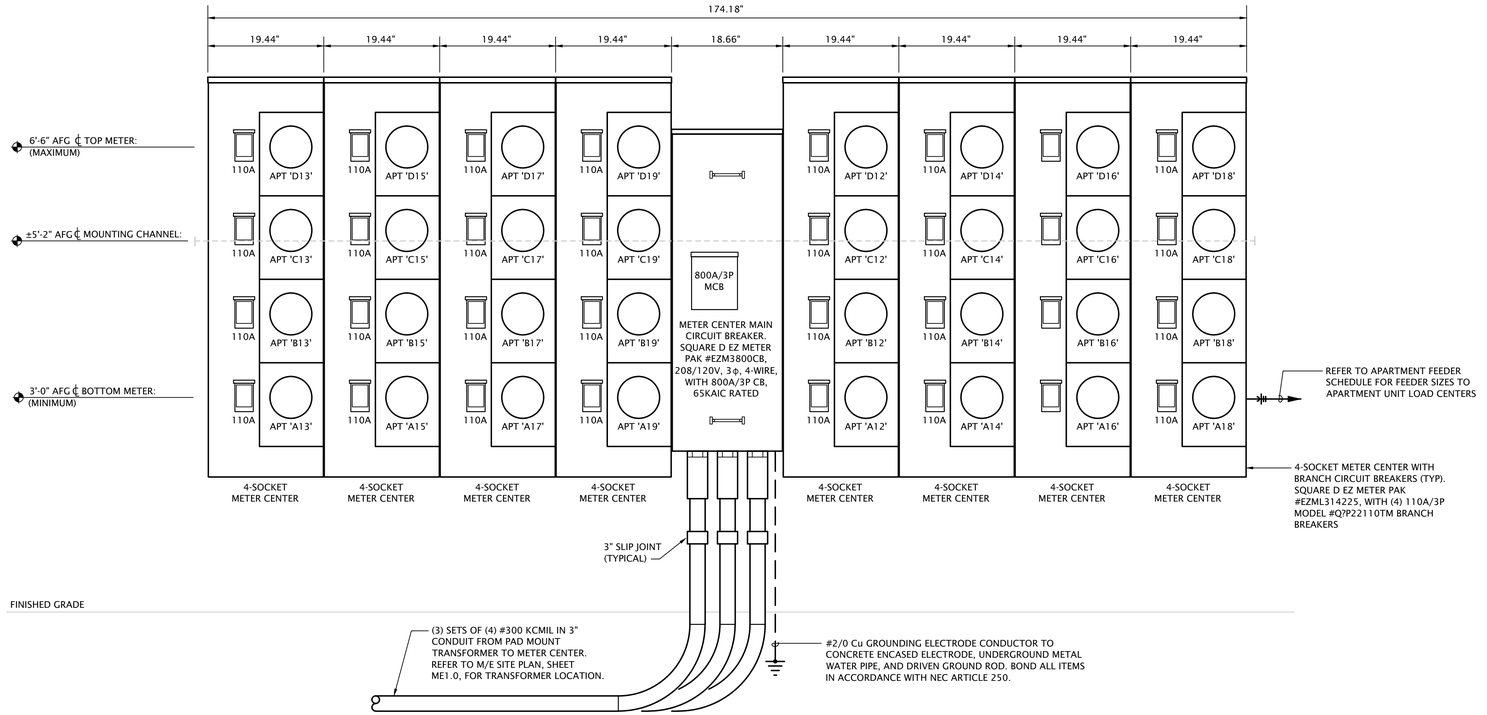
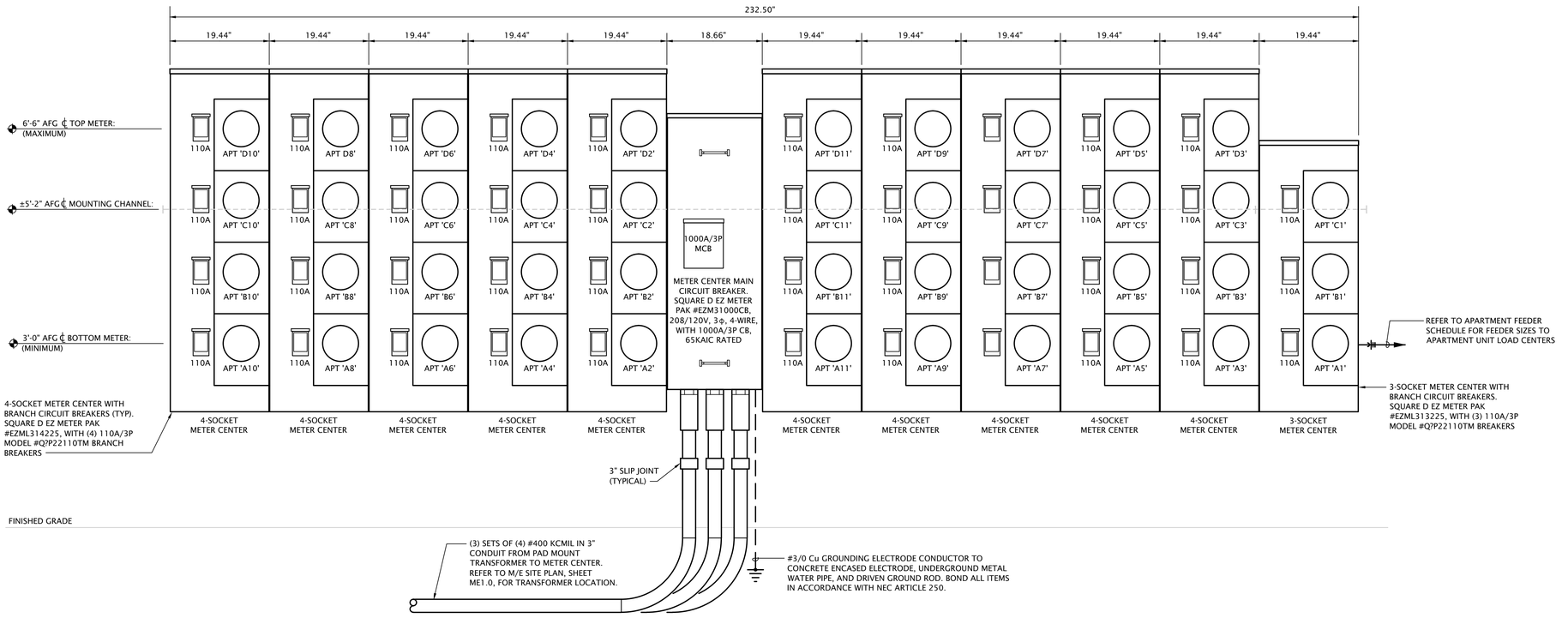


2 ELECTRICAL RISER DIAGRAM - BUILDING B (EAST) TENANT SERVICE

No Scale



1 ELECTRICAL RISER DIAGRAM - BUILDING A (WEST) TENANT SERVICE

No Scale

APARTMENT FEEDER SCHEDULE

Apartment #	Feeder Size
A1, A2, A3, A4, A5, A6, A7, A14, A15, A16, A17, A18, A19, B1, B2, B3, B4, B5, B6, B7, B14, B15, B16, B17, B18, B19, C1, C2, C3, C4, C5, C14, C15, C16, C17, C18, C19, D2, D3, D4, D5, D14, D15, D16, D17, D18, D19	COPPER (BASE BID): (3)#2, #6G IN 1-1/4" C OR MC-CABLE ALUMINUM (ALTERNATE BID): (3)#1/0, #4G IN 1-1/4" C OR MC-CABLE
A12, A13, B12, B13, C6, C7, C12, C13, D6, D7	COPPER (BASE BID): (3)#1, #4G IN 1-1/4" C OR MC-CABLE ALUMINUM (ALTERNATE BID): (3)#2/0, #2G IN 1-1/2" C OR MC-CABLE
A8, A9, A10, B8, B9, B10, C8, C9, D8, D9, D12, D13	COPPER (BASE BID): (3)#1/0, #3G IN 1-1/2" C OR MC-CABLE ALUMINUM (ALTERNATE BID): (3)#3/0, #1G IN 2" C OR MC-CABLE
A11, B11, C10, C11, D10, D11	COPPER (BASE BID): (3)#2/0, #2G IN 1-1/2" C OR MC-CABLE ALUMINUM (ALTERNATE BID): (3)#4/0, #1G IN 2" C OR MC-CABLE

NOTES:

1. Voltage drop has been accounted for in sizes indicated, further up-sizing of feeders is not necessary
2. Ensure panel lugs are adequately sized to handle up-sized feeders.

NOTES:

- Meter Center main circuit breakers shall be 65 kAIC fully rated. Feeder breakers may be series rated with main breaker for a 65 kAIC rating.
- All conductor sizes are based on copper, U.N.O.
- Entire installation shall comply with NEC.
- Coordinate all responsibilities and requirements with utility company and pay associated fees. Contact Information:
  Morgan Carey
  Yampa Valley Electric Association
  MCarey@yvea.com
  (970) 871-2286
- Coordinate final location of meter assemblies with utility company. Provide shop drawings of proposed equipment whether as specified or substituted to utility company for approval.
- All meter center components shall be NEMA 3R
- All dimensions based on Square D equipment, it is the contractor's responsibility to verify the dimensions of substitute equipment
- For each meter, provide a permanent brass, copper or aluminum tag identifying the apartment served. Tags shall be securely fastened to the meter base and be stamped with 1/8" letters, minimum.

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May 2021

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ANGLERS FOUR HUNDRED

APARTMENT COMPLEX

STEAMBOAT SPRINGS, COLORADO

DATE: 05-27-2021

JOB: 19-3047

SHEET: E6.2

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Designation: P12 **Manufacturer:** Square D 'NQ'
Location: MECH 123 **Bus Amps:** 225
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 10 kAIC
Mounting: Surface **Other:**

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: TELECOM BOARD	2
3	LTG: NORTH PARKING/DRIVE	2#10, #10G, 3/4"C	20 / 2	20 / 1	2#12, #12G, 1/2"C	RCPT: TELECOM BOARD	4
5				20 / 1	2#12, #12G, 1/2"C	RCPT: MECH/HALL/EXT	6
7	LTG: EAST EXTERIOR WALL PACKS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL/EXT/STAIR	8
9	'CU-1' (HALL 122)	2#12, #12G, 1/2"C	20 / 2	15 / 1	2#12, #12G, 1/2"C	FURNACE 'F-1'	10
11				20 / 1	2#12, #12G, 1/2"C	ELEC HEAT 'EWH' (STAIR S4)	12
13	'CU-1' (HALL 207)	2#12, #12G, 1/2"C	20 / 2	100 / 3	4#2, #8G, 1-1/4"C	PANELS 'P22' & 'P32'	14
15							16
17	LTG: EAST PARKING/SIDEWALKS	2#10, #10G, 3/4"C	20 / 2				18
19				---	---	SPACE ONLY	20
21	LTG: MONUMENT SIGN	2#10, #10G, 3/4"C	20 / 1	---	---	SPACE ONLY	22
23	SPARE BREAKER	---	20 / 1	---	---	SPACE ONLY	24
25	SPACE ONLY	---	---	---	---	SPACE ONLY	26
27	SPACE ONLY	---	---	---	---	SPACE ONLY	28
29	SPACE ONLY	---	---	---	---	SPACE ONLY	30
31	PANEL 'P42' (SUB-FEED BREAKER)	4#1/0, #6G, 1-1/2"C	150 / 3				

Designation: P13 **Manufacturer:** Square D 'NQ'
Location: JANITOR 109 **Bus Amps:** 225
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 18 kAIC
Mounting: Surface **Other:**

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: ELEV EQPM RM & PIT	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: ELEV EQPM ROOM	2
3	LTG: MAIL/OFFICE/FITNESS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	ELEVATOR CAB LTS/FAN	4
5	LTG: COMMONS/KITCHEN	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: ELEV PIT	6
7	LTG: COMMONS EXTERIOR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	ELEVATOR SUMP PUMP	8
9	LTG: COMMONS ROOFTOP	2#12, #12G, 1/2"C	20 / 1	50 / 2	3#6, #10G, 1"C	KITCHEN RANGE	10
1 11	RCPT: FITNESS DRNK FTN	2#12, #12G, 1/2"C	20 / 1				12
13	RCPT: FITNESS MACHINE	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHEN DISHWASHER	14
15	RCPT: FITNESS MACHINE	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHEN REFRIGERATOR	16
17	RCPT: FITNESS MACHINE	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	KITCHEN COUNTER RCPTS	18
19	RCPT: FITNESS TV	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: RESTROOMS, JAN	20
21	RCPT: FITNESS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: COMMONS DRNK FTN 22 1	
23	RCPT: OFFICE	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: COMMONS, TV	24
25	WALL HEATER HALL 112	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL 112	26
27	WALL HEATER STAIR S2	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL, STAIR, EXT.	28
2 29	FIRE SPRINKLER FLOW/BELL	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	WALL HEATER STAIR S3	30
31	ELEV EQPM RM HEAT PUMP	2#12, #12G, 1/2"C	25 / 2	15 / 1	2#12, #12G, 1/2"C	FURNACE 'F-3'	32
33				15 / 2	2#12, #12G, 1/2"C	WATER HEATER 'HWH-A'	34
35	HOT WATER RECIRC PUMP	2#12, #12G, 1/2"C	15 / 1				36
37	DE-ICING CONTROL PANEL 'C'	3#3, #8G, 1"C	80 / 3	20 / 1	2#12, #12G, 1/2"C	LTG: ROOFTOP COUNTER	38
39				20 / 1	---	SPARE BREAKER	40
41				20 / 1	---	SPARE BREAKER	42
43	SPACE ONLY	---	---	---	---	SPACE ONLY	44
45	SPACE ONLY	---	---	---	---	SPACE ONLY	46
47	SPACE ONLY	---	---	---	---	SPACE ONLY	48
49	SPACE ONLY	---	---	---	---	SPACE ONLY	50
51	SPACE ONLY	---	---	---	---	SPACE ONLY	52
53	SPACE ONLY	---	---	---	---	SPACE ONLY	54

Designation: P11 **Manufacturer:** Square D 'NQ'
Location: MECH 102 **Bus Amps:** 100
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 18 kAIC
Mounting: Surface **Other:**

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	FIRE ALARM PANEL	2 2
3	LTG: NORTHWEST PARKING/SIDEWALKS	2#10, #10G, 3/4"C	20 / 2	20 / 1	2#12, #12G, 1/2"C	RCPT: MAIN TELECOM BD	4
5				20 / 1	2#12, #12G, 1/2"C	RCPT: MAIN TELECOM BD	6
7	LTG: WEST EXTERIOR WALL PACKS (1st Floor)	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: MAIN TELECOM BD	8
9	'CU-3' (COMMONS)	2#10, #10G, 1/2"C	25 / 2	20 / 1	2#12, #12G, 1/2"C	RCPT: MECH 103 I.T. BD	10
11				20 / 1	2#12, #12G, 1/2"C	FIRE SPRINKLER FLOW/BELL	12 2
13	'CU-1' (HALL 101)	2#12, #12G, 1/2"C	20 / 2	20 / 1	2#12, #12G, 1/2"C	RCPT: MECH/EXT/HALL/ STAIR	14
15				20 / 1	2#12, #12G, 1/2"C	RCPT: HALL 101/EXT	16
17	FURNACE 'F-1'	2#12, #12G, 1/2"C	15 / 1	20 / 1	2#10, #10G, 1/2"C	RCPT: HALL 101/EXT/STAIR	18
19	ELEC HEAT 'EWH' (STAIR S1)	2#10, #10G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	EXTERIOR LIGHTING CONTROLS	20
21	'CU-1' (HALL 201)	2#12, #12G, 1/2"C	20 / 2	20 / 1	---	SPARE BREAKER	22
23				20 / 1	---	SPARE BREAKER	24
25	LTG: SOUTH SIDEWALK	2#10, #10G, 3/4"C	20 / 2	---	---	SPACE ONLY	26
27				---	---	SPACE ONLY	28
29	SPACE ONLY	---	---	---	---	SPACE ONLY	30

[#] PANEL SCHEDULE NOTES BY SYMBOL

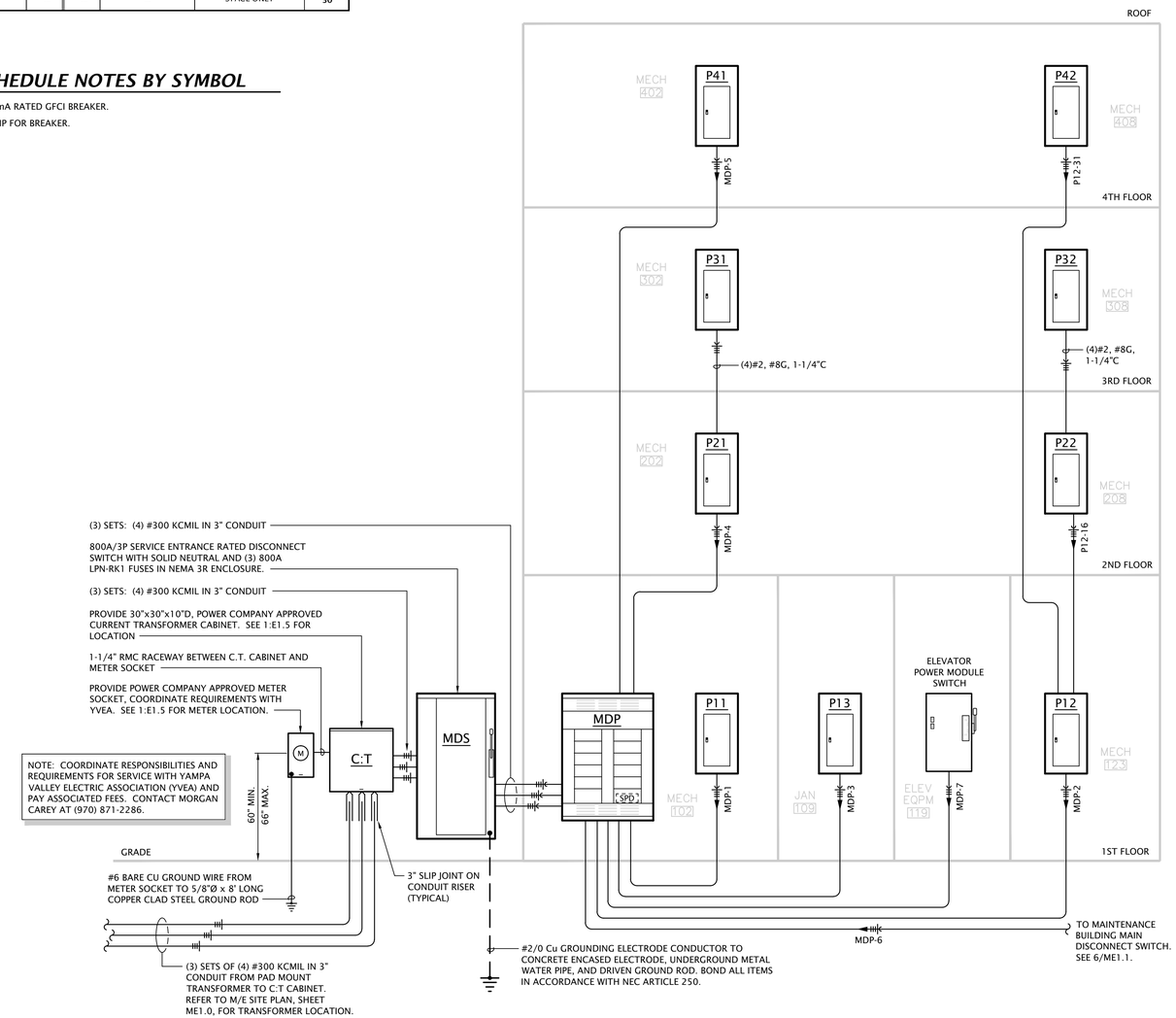
1. PROVIDE CLASS 'A', 5mA RATED GFCI BREAKER.
2. PROVIDE LOCK-ON CLIP FOR BREAKER.

CIRCUIT BREAKER DISTRIBUTION PANEL SCHEDULE

Panel Designation: MDP **Enclosure:** NEMA 1 **Bus Amps:** 800
Location: MECH 102 **Mounting:** Wall **MCB Amps:** MLO
Voltage: 208Y/120V-3Ph-4W **Manufacturer:** Square D 'I-LINE' **KAIC Rating:** 65 kAIC

Circuit #	Equipment Served	Feeder Size	C/B Size	Remarks
1	PANEL 'P11'	4#2, #8G, 1-1/4"C	100/3	
2	PANEL 'P12'	4#250 kcmil, #3G, 2-1/2"C	225/3	
3	PANEL 'P13'	4#3/0, #6G, 2"C	200/3	
4	PANELS 'P21' & 'P31'	4#2, #8G, 1-1/4"C	100/3	
5	PANEL 'P41'	4#1/0, #6G, 1-1/2"C	150/3	
6	PANEL 'M'	4#4, #8G, 1-1/4"C	60/3	
7	ELEVATOR	3#250 kcmil, #4G, 2-1/2"C	250/3	
8	BUSSED SPACE	---	225A	PROVISIONAL SPACE
9	BUSSED SPACE	---	225A	PROVISIONAL SPACE
10	BUSSED SPACE	---	100A	PROVISIONAL SPACE
11	BUSSED SPACE	---	100A	PROVISIONAL SPACE

Notes:
1. Provide panel with integral surge protection per specifications.



1 ELECTRICAL RISER DIAGRAM - HOUSE SERVICE

No Scale

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Project 20086 May 2021

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Project 20086 May 2021

Designation: P41 **Manufacturer:** Square D 'NQ'
Location: MECH 402 **Bus Amps:** 225
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 18 kAIC
Mounting: Surface **Other:**

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: MECH/HALL/STAIR	2
3	ROOFTOP RCPTS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL	4
5	A/C COND. UNIT 'CU-2'	2#10, #10G, 1/2"C	30 / 2	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL/STAIR	6
7				20 / 1	2#12, #12G, 1/2"C	RCPT: RADON FANS	8
9	SPARE BREAKER	---	20 / 1	20 / 1	---	SPARE BREAKER	10
11	SPARE BREAKER	---	20 / 1	20 / 1	---	SPARE BREAKER	12
13				---	---	SPACE ONLY	14
15	DE-ICING CONTROL PANEL	3#2, #8G, 1-1/4"C	100 / 3	---	---	SPACE ONLY	16
17				---	---	SPACE ONLY	18
19	SPACE ONLY	---	---	---	---	SPACE ONLY	20
21	SPACE ONLY	---	---	---	---	SPACE ONLY	22
23	SPACE ONLY	---	---	---	---	SPACE ONLY	24
25	SPACE ONLY	---	---	---	---	SPACE ONLY	26
27	SPACE ONLY	---	---	---	---	SPACE ONLY	28
29	SPACE ONLY	---	---	---	---	SPACE ONLY	30

Designation: P42 **Manufacturer:** Square D 'NQ'
Location: MECH 408 **Bus Amps:** 225
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 10 kAIC
Mounting: Surface **Other:**

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: MECH/HALL/STAIR	2
3	ROOFTOP RCPTS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL/STAIR	4
5	A/C COND UNIT 'CU-2'	2#10, #10G, 1/2"C	30 / 2	20 / 1	2#12, #12G, 1/2"C	RCPT: RADON FANS	6
7							8
9	SPARE BREAKER	---	20 / 1	100 / 3	3#2, #8G, 1-1/4"C	DE-ICING CONTROL PANEL	10
11	SPARE BREAKER	---	20 / 1				12
13	SPACE ONLY	---	---	---	---	SPACE ONLY	14
15	SPACE ONLY	---	---	---	---	SPACE ONLY	16
17	SPACE ONLY	---	---	---	---	SPACE ONLY	18
19	SPACE ONLY	---	---	---	---	SPACE ONLY	20
21	SPACE ONLY	---	---	---	---	SPACE ONLY	22
23	SPACE ONLY	---	---	---	---	SPACE ONLY	24
25	SPACE ONLY	---	---	---	---	SPACE ONLY	26
27	SPACE ONLY	---	---	---	---	SPACE ONLY	28
29	SPACE ONLY	---	---	---	---	SPACE ONLY	30

Designation: M **Manufacturer:** Square D 'NQ'
Location: Maintenance Bldg **Bus Amps:** 100
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 10 kAIC
Mounting: Surface **Other:**

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LIGHTS	2#12, #12G, 1/2"C	20 / 1	30 / 1	2#10, #10G, 1/2"C	WATER HEATER	2
3	RCPTS - NORTH	2#12, #12G, 1/2"C	20 / 1	30 / 2	2#10, #10G, 1/2"C	ELECTRIC HEATER 'EH-1'	4
5	RCPTS - SOUTH	2#12, #12G, 1/2"C	20 / 1				6
7	RCPTS - MECH CLOSET	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	WALL HEATER EWH	8
9	IRRIGATION CONTROL	2#12, #12G, 1/2"C	20 / 1	20 / 1	---	SPARE BREAKER	10
11	SPARE BREAKER	---	20 / 1	20 / 1	---	SPARE BREAKER	12
13	SPACE ONLY	---	---	---	---	SPACE ONLY	14
15	SPACE ONLY	---	---	---	---	SPACE ONLY	16
17	SPACE ONLY	---	---	---	---	SPACE ONLY	18

Designation: P21 **Manufacturer:** Square D 'NQ'
Location: MECH 202 **Bus Amps:** 100
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 18 kAIC
Mounting: Surface **Other:** FEED-THROUGH LUGS

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: MECH/HALL/STAIR	2
3	LTG: WEST WALL GRAZERS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL	4
5	FURNACE 'F-1'	2#12, #12G, 1/2"C	15 / 1	20 / 1	2#10, #10G, 1/2"C	RCPT: HALL/STAIR	6
7	SPACE ONLY	---	---	20 / 1	2#12, #12G, 1/2"C	RCPT: ROOF PATIO	8
9	SPACE ONLY	---	---	20 / 1	2#12, #12G, 1/2"C	ELECTRIC HEAT 'EWH' (HALL)	10
11	SPACE ONLY	---	---	20 / 1	---	SPARE BREAKER	12
13	SPACE ONLY	---	---	---	---	SPACE ONLY	14
15	SPACE ONLY	---	---	---	---	SPACE ONLY	16
17	SPACE ONLY	---	---	---	---	SPACE ONLY	18

Designation: P22 **Manufacturer:** Square D 'NQ'
Location: MECH 208 **Bus Amps:** 100
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 10 kAIC
Mounting: Surface **Other:** FEED-THROUGH LUGS

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL/MECH/STAIR	2
3	FURNACE 'F-1'	2#12, #12G, 1/2"C	15 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL/STAIR	4
5	SPARE BREAKER	---	20 / 1	20 / 1	2#10, #10G, 1/2"C	HEATER 'EWH' (ELEV LOBBY)	6
7	SPACE ONLY	---	---	---	---	SPACE ONLY	8
9	SPACE ONLY	---	---	---	---	SPACE ONLY	10
11	SPACE ONLY	---	---	---	---	SPACE ONLY	12
13	SPACE ONLY	---	---	---	---	SPACE ONLY	14
15	SPACE ONLY	---	---	---	---	SPACE ONLY	16
17	SPACE ONLY	---	---	---	---	SPACE ONLY	18

Designation: P31 **Manufacturer:** Square D 'NQ'
Location: MECH 302 **Bus Amps:** 100
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 18 kAIC
Mounting: Surface **Other:**

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: TELECOM BOARD	2
3	SPARE BREAKER	---	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: TELECOM BOARD	4
5	SPARE BREAKER	---	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: MECH/HALL/STAIR	6
7	FURNACE 'F-2'	2#12, #12G, 1/2"C	15 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL	8
9	ELEC HEAT 'EWH' (STAIR S1)	2#10, #10G, 1/2"C	20 / 1	20 / 1	2#10, #10G, 1/2"C	RCPT: HALL/STAIR	10
11	ELEC HEAT 'EWH' (STAIR S2)	2#12, #12G, 1/2"C	20 / 1	20 / 1	---	SPARE BREAKER	12
13	SPACE ONLY	---	---	---	---	SPACE ONLY	14
15	SPACE ONLY	---	---	---	---	SPACE ONLY	16
17	SPACE ONLY	---	---	---	---	SPACE ONLY	18

Designation: P32 **Manufacturer:** Square D 'NQ'
Location: MECH 308 **Bus Amps:** 100
Voltage: 208Y/120V-3Ph-4W **MCB Amps:** MLO
Enclosure: NEMA 1 **AIC Rating:** 10 kAIC
Mounting: Surface **Other:**

Circuit #	Load Description	Conductors	C/B Size	C/B Size	Conductors	Load Description	Circuit #
1	LTG: HALL/STAIR	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: TELECOM BOARD	2
3	LTG: EAST WALL GRAZERS	2#12, #12G, 1/2"C	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: TELECOM BOARD	4
5	SPARE BREAKER	---	20 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: MECH/HALL/STAIR	6
7	FURNACE 'F-2'	2#12, #12G, 1/2"C	15 / 1	20 / 1	2#12, #12G, 1/2"C	RCPT: HALL/STAIR	8
9	ELEC HEAT 'EWH' (STAIR S3)	2#12, #12G, 1/2"C	20 / 1	---	---	SPACE ONLY	10
11	ELEC HEAT 'EWH' (STAIR S4)	2#12, #12G, 1/2"C	20 / 1	---	---	SPACE ONLY	12
13	SPACE ONLY	---	---	---	---	SPACE ONLY	14
15	SPACE ONLY	---	---	---	---	SPACE ONLY	16
17	SPACE ONLY	---	---	---	---	SPACE ONLY	18

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APARTMENT COMPLEX

STEAMBOAT SPRINGS, COLORADO

DATE: 05-27-2021
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LIGHT FIXTURE SCHEDULE

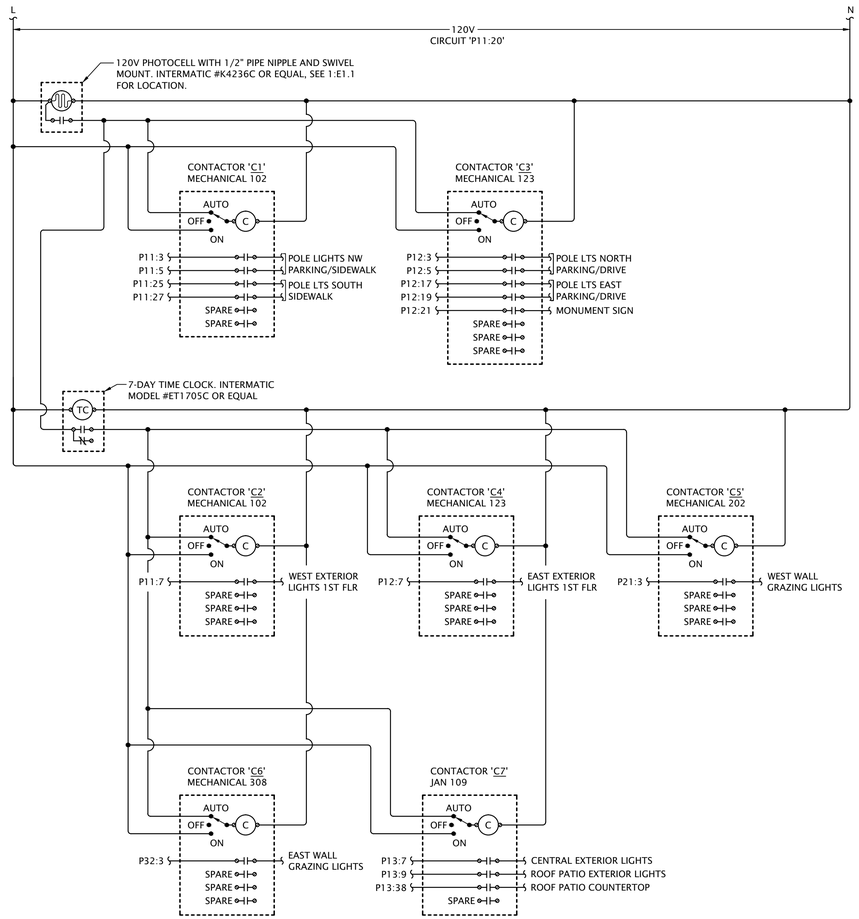
MARK	MANUFACTURER	MODEL NUMBER	LAMP / LED DATA		BALLAST/DRIVER	MOUNTING	FINISH	DESCRIPTION	NOTES
			WATT/LUMENS	COLOR					
A	LUMENS	JBSP122746 (HEX MINI PENDANT)	(9) 9W LED	3000'K	N/A	PENDANT COORD.W/ ARCH	BLACK	(9) LED CORD MOUNT PENDANTS	9
B	FREDRICK RAMOND	640665018387	6W LED	3000'K	N/A	WALL COORD.W/ ARCH	BRASS	LED DECORATIVE WALL SCONCE	9
C	KICHLER	42517OZ	200	3000'K	INTEGRAL DRIVER	PENDANT AT 6'-6" AFF TO BOTTOM	OLD BRONZE	3"Ø x 12" HIGH DECORATIVE MINI-PENDANT	.
D	HALO	SMD6R-6-930-WH	9.6W LED 750 LUMENS	3000'K	INTEGRAL DRIVER	SURFACE	BRONZE	6" ROUND SURFACE MOUNT DOWNLIGHT	.
E	SURE-LITES	SEL25SD	---	WHITE	N/A	WALL AT 7'-6" AFF	WHITE	TWIN HEAD POLYCARBONATE EMERGENCY LIGHT	1,2
E1	MULE	EOE-BB-10L2-X-DG-LT	(2) 10W LED	---	N/A	ON WALL ABOVE DOOR	BLACK	DIE-CAST ALUMINUM EMERGENCY LIGHT WITH POLYCARBONATE LENS, INTEGRAL BATTERY	1,2,3,6
F	SEAGULL	15040EN-782	(2) 10W LED	3000'K	INTEGRAL DRIVER	SURFACE	BRONZE	52" DIAMETER CEILING FAN WITH LED LIGHT KIT	
G	SEAGULL	4423003EN3-710	(3) 9.5W LED	3000'K	INTEGRAL DRIVER	WALL AT 7'-0"	BURNT SIENNA	3-LAMP LED VANITY LIGHT	.
H	SEAGULL	5913291S-15	38W LED 3,500 LUMENS	3000'K	INTEGRAL DRIVER	SURFACE	WHITE	4' LINEAR FLUORESCENT WITH PRISMATIC ACRYLIC LENS	.
J	LITHONIA	FMML-13-830-DDBT	28W LED 1,900 LUMENS	3000'K	INTEGRAL DRIVER	SURFACE	WHITE	13" ROUND LED SURFACE MOUNT	.
K	METALUX	4SNLED-LD4-49SL-LW-UNV-L835-CD1	38W LED 5,000 LUMENS	3500'K	0-10V DIMMING (10%-100%)	SURFACE	WHITE	4' LED STRIP WITH FROSTED LENS, WIDE DISTRIBUTION	.
L2	LITHONIA	WSR-LED-P1-SR2-40K-MVOLT-E20WC	20W LED 2,251 LUMENS	4000'K	STANDARD	WALL	BLACK	EXTERIOR LED WALL PACK WITH IES TYPE II DISTRIBUTION AND INTEGRAL EMERGENCY BATTERY BACKUP	6
L4	LITHONIA	WSR-LED-P1-SR4-40K-MVOLT-E20WC	20W LED 2,053 LUMENS	4000'K	STANDARD	WALL	BLACK	EXTERIOR LED WALL PACK WITH IES TYPE IV DISTRIBUTION AND INTEGRAL EMERGENCY BATTERY BACKUP	6
M	KIM	20L4KUV	21W LED 1600 LUMEN	4000'K	FIXED OUTPUT DRIVER	WALL COORD. W/ ARCH	BLACK	LED FLUSH MOUNTED WALL LIGHT	6
ME	KIM	20L4KUV-EM	21W LED 1600 LUMEN	4000'K	FIXED OUTPUT DRIVER	WALL COORD. W/ ARCH	BLACK	LED FLUSH MOUNTED WALL LIGHT WITH INTEGRAL EMERGENCY BATTERY BACKUP	6
N	LITHONIA	DSXWPM-LED-10C-530-40K-T2S-MVOLT-DBLXD	20 W LED 2,050 LUMENS	4000'K	FIXED OUTPUT DRIVER	11' SSS POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE II DISTRIBUTION	6,8,10
O	KIM	INT-2-24L-30-4K7-WG	30 W LED 3,000 LUMENS	4000'K	FIXED OUTPUT DRIVER	WALL	COORD. W/ ARCH	EXTERIOR LED WALL GRAZER	6,8
P	HALO COMMERCIAL	HC615-D010-HM612-830-61WDH	15W LED 1,500 LUMENS	3000'K	0-10V DIMMING	RECESSED	SEMI-SPECULAR CLEAR	6" ROUND SHALLOW LENS DOWNLIGHT WITH SELF-FLANGED ALUMINUM WIDE BEAM REFLECTOR; 80 CRI	5
Q1	HALO COMMERCIAL	PRS6-10-D010-SM612-8FS-64S-WD-MB	11W LED 1,000 LUMENS	3000'K	0-10V DIMMING	RECESSED	BLACK	6" SQUARE LED, IC RATED DOWNLIGHT, 3000K, BLACK CONE AND FLANGE	
Q1E	HALO COMMERCIAL	PRS6-10-D010-REM7-SM612-8FS-64S-WD-MB	11W LED 1,000 LUMENS	3000'K	0-10V DIMMING	RECESSED	BLACK	6" SQUARE LED, IC-RATED DOWNLIGHT, 3000K, BLACK CONE AND FLANGE, WITH INTEGRAL EMERGENCY BATTERY BACKUP	
Q2	HALO COMMERCIAL	PRS6-15-D010-SM612-8FS-64S-WD-MB	14W LED 1,500 LUMENS	3000'K	0-10V DIMMING	RECESSED	BLACK	6" SQUARE LED, IC RATED DOWNLIGHT, 3000K, BLACK CONE AND FLANGE	
Q2E	HALO COMMERCIAL	PRS6-15-D010-REM7-SM612-8FS-64S-WD-MB	14W LED 1,500 LUMENS	3000'K	0-10V DIMMING	RECESSED	BLACK	6" SQUARE LED, IC-RATED DOWNLIGHT, 3000K, BLACK CONE AND FLANGE, WITH INTEGRAL EMERGENCY BATTERY BACKUP	
R1	LITHONIA	DSX0-LED-P2-40K-T2S-MVOLT-HS-DBLXD	49 W LED 5,500 LUMENS	4000'K	FIXED OUTPUT DRIVER	17' SSS POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE II DISTRIBUTION AND HOUSE SIDE SHIELD	4,6,8
R2	LITHONIA	DSX0-LED-P2-40K-T3M-MVOLT-HS-DBLXD	49 W LED 5,500 LUMENS	4000'K	FIXED OUTPUT DRIVER	17' SSS POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE III DISTRIBUTION AND HOUSE SIDE SHIELD	4,6,8
R3	LITHONIA	DSX0-LED-P2-40K-T4M-MVOLT-HS-DBLXD	49 W LED 5,500 LUMENS	4000'K	FIXED OUTPUT DRIVER	17' SSS POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE IV DISTRIBUTION AND HOUSE SIDE SHIELD	4,6,8
R4	LITHONIA	DSX0-LED-P3-40K-T5W-MVOLT-DBLXD	71W LED 8,200 LUMENS	4000'K	FIXED OUTPUT DRIVER	17' SSS POLE	BLACK	LED AREA LIGHT, SINGLE HEAD FULL CUT-OFF WITH IES TYPE V DISTRIBUTION	4,6,8
S	LUMIERE	303-S1-LEDB2-4000-UNV-T2-DIM10-BK-12	15.5W LED 1,265 LUMEN	4000'K	FIXED OUTPUT DRIVER	SIGN FACE	BLACK	LED, ARM MOUNT, ADJUSTABLE SIGN LIGHTING LUMINAIRE	6
T	WILLIAMS	96-4-L40/830-HIAFR-WET/1-DRV-UNV	30W LED 4,000 LUMENS	3000'K	FIXED OUTPUT DRIVER	SURFACE	WHITE	4' FULLY ENCLOSED AND GASKETED INDUSTRIAL FIXTURE WITH FROSTED, RIBBED, IMPACT-RESISTANT ACRYLIC LENS	.
U	AIDEN	53062BK	36W LED 2,900 LUMEN	3000'K	FIXED OUTPUT DRIVER	WALL COORD. W/ ARCH	BLACK	2' ARCHITECTURAL WALL BRACKET	9
V18	KUZCO	PD85118	32W LED 2,720 LUMEN	3000'K	FIXED OUTPUT DRIVER	PENDANT COORD. W/ ARCH	BLACK	18" SQUARE LED PENDANT	9
V24	KUZCO	PD85124	45W LED 3,825 LUMEN	3000'K	FIXED OUTPUT DRIVER	PENDANT COORD. W/ ARCH	BLACK	24" SQUARE LED PENDANT	9
V32	KUZCO	PD85132	57W LED 4,845 LUMEN	3000'K	FIXED OUTPUT DRIVER	PENDANT COORD. W/ ARCH	BLACK	32" SQUARE LED PENDANT	9
W	LITE CONTROL	2L-DW-AD-3-ASYM-C5-3000-D050-NDM-1C-UNV	16W LED 1,500 LUMEN	3000'K	FIXED OUTPUT DRIVER	RECESSED	BLACK	3 FOOT, IC-RATED, LED, DIRECT ASYMETRIC WALL WASH	-
X	MULE	MXBRU-SD	---	GREEN LETTERS	N/A	CEILING/WALL/END	BLACK	SINGLE/DOUBLE FACE POLYCARBONATE LED EXIT	1,2
XE	MULE	SQC-LED-1-R-WW-SD	--- 1 WATT	GREEN LETTERS	N/A	CEILING/WALL	BLACK	SINGLE FACE COMINATION POLYCARBONATE EXIT SIGN/TWIN HEAD EMERGENCY LIGHT	1,2
Y	LUMIERE	9004-W1-FL-LED4080-W-??-L1-UNV-RSM	10W LED 1000 LUMEN	4000'K	FIXED OUTPUT DRIVER	WALL 6'-6" AFF	BLACK	LED WALL SCONCE	6
Z1	CALIFORNIA ACCENT	ALS50T-SF-3.0K-2W-SO-DRY-UNV-1	2W LED 194 LUMEN	3000'K	REMOTE DRIVER	UNDERCABINET	COORD.W/ ARCH	1 FOOT LED UNDERCABINET LIGHT WITH REMOVE DRIVER	
Z3	CALIFORNIA ACCENT	ALS50T-SF-3.0K-2W-SO-DRY-UNV-3	6W LED 582 LUMEN	3000'K	REMOTE DRIVER	UNDERCABINET	COORD.W/ ARCH	3 FOOT LED UNDERCABINET LIGHT WITH REMOVE DRIVER	

GENERAL:

- All interior LED fixtures shall be 3000°K corrected color temperature, min. 80 CRI.
- All exterior LED fixtures shall be 4000°K corrected color temperature, min. 70 CRI., and shall be fully downcast.
- All light fixtures shall be provided with universal drivers capable of operating at 120V or 208V UNO.
- All LED fixtures shall adhere to LM79 and LM80 standards.
- All apartment light fixtures shall be Energy Star certified.

NOTES:

1. Fixture shall have self-diagnostic/self-testing electronics.
2. Provide with emergency battery integral charger.
3. Fixture shall be capable of operation in temperatures ranging from -40˚F through 104˚F.
4. Provide fixture/pole assembly with 17' round straight steel pole, bronze to match fixture. Fixture height shall not exceed 23'-0" AFG.
5. Provide with bar hangers appropriate for ceiling system in which fixture is installed.
6. U.L. listed for 'wet location'.
7. See detail 3:E1.0 for more information.
8. Fixture/pole assembly shall be rated for 100 mph wind loads. Provide with vibration damper per manufacturer's recommendations.
9. Coordinate fixture mounting location and positioning with Architect and Interior Designer.
10. Provide fixture/pole assembly with 12' round straight steel pole, bronze to match fixture. Fixture height shall not exceed 23'-0" AFG.



1 EXTERIOR LIGHTING CONTROL DIAGRAM

No Scale

PROVIDE LIGHTING CONTACTORS WITH QUANTITY OF POLES SHOWN,120V COIL, INTEGRAL 3-POSITION MANUAL SELECTOR SWITCH, AND NEMA 1 ENCLOSURE.

OCCUPANCY SENSOR SCHEDULE

MARK	MANUFACTURER	MODEL NUMBER	SENSOR TYPE	COVERAGE	MOUNTING	DESCRIPTION	NOTES
^{OS}	WATTSTOPPER	DW-100	DUAL TECHNOLOGY	20'x15' MINOR	WALL	120/277V WALL SWITCH SENSOR	1
OS	WATTSTOPPER	DT-355	DUAL TECHNOLOGY	1000 SF	CEILING	LINE VOLTAGE 360˚ SENSOR	

GENERAL:

- Install and aim sensors as required to achieve optimum coverage.

NOTES:

1. Confirm color of wall mounted sensors with Architect.

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APARTMENT COMPLEX

STEAMBOAT SPRINGS, COLORADO

DATE: 05–27–2021

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