

LIGHTING CONTROL LEGEND		
SYMBOL	DESCRIPTION	HEIGHT
\$	BASIC SINGLE-POLE, SINGLE-THROW SWITCH / ABOVE-COUNTER	46"
\$ <sub>3</sub> / \$ <sub>4</sub>	THREE-WAY / FOUR-WAY SWITCH - GENERAL NOTE #6	46"
\$ <sub>D</sub>	WALL-MOUNTED DIMMER SWITCH	46"
\$ <sub>S</sub>	WATTSTOPPER #DW-310 DUAL TECH WALL SWITCH	46"
\$ <sub>SD</sub>	WATTSTOPPER #DW-311 DUAL TECH DIMMABLE WALL SWITCH	46"
[X]	WATTSTOPPER #WT-2200/BZ-50 TWO WAY CEILING SENSOR	
(OS)	WATTSTOPPER #WT-2200/BZ-50 DUAL TECH TWO WAY CEILING SENSOR	
(DS)	WATTSTOPPER #LMLS-500-U CEILING PHOTO SENSOR	
GENERAL NOTES:		
1.	COORDINATE QUANTITY AND LOCATION OF SENSORS, SWITCHPACKS, AND/OR ROOM CONTROLLERS WITH MANUFACTURER'S FACTORY REPRESENTATIVE.	
2.	PROVIDE SUBMITTAL LAYOUT DRAWINGS FROM SUCCESSFUL BIDDER.	
3.	OCCUPANCY SENSOR LOCATIONS SHOWN ON THE LIGHTING DRAWINGS.	
4.	QUANTITIES AND LOCATIONS OF SWITCHPACKS AND/OR ROOM CONTROLLERS SHALL BE DETERMINED BY THE CONTRACTOR FOR A COMPLETE AND OPERABLE SYSTEM.	
5.	ALL NEW LED FIXTURES SHALL BE PROVIDED WITH 0-10V DIMMING. CONTROL DEVICES SHALL BE COMPATIBLE.	
OCCUPANCY SENSOR NOTES:		
1.	OCCUPANCY SENSOR CONTROLS SHALL BE MANUAL ON (VACANCY MODE) OR CONTROLLED TO AUTOMATICALLY TURN THE LIGHTING ON TO NOT MORE THAN 50% OUTPUT.	
2.	PROVIDE ROOM CONTROLLER(S) CAPABLE OF RECEIVING INPUT FROM SWITCH AND OCCUPANCY SENSOR.	
3.	ALL SENSORS SHOULD BE SET AT THE CODE-MAXIMUM SETTING OF 30 MINUTES. DISABLE AUTO ADAPTING TIME DELAY, WHERE APPLICABLE.	
4.	ALL ENCLOSED OFFICES AND ROOMS SHALL HAVE OCCUPANCY SENSOR COVERAGE.	
5.	ALL SENSOR WALL SWITCHES SHALL FUNCTION AS VACANCY SENSORS (MANUAL-ON, AUTO-OFF).	
6.	DEVICES TO BE SHIPPED FROM THE FACTORY WITH THE CORRECT TIME DELAY (30 MINUTES) AND VACANCY MODE SETTINGS.	
DAYLIGHTING CONTROL NOTES:		
1.	PROVIDE A ROOM CONTROLLER CAPABLE OF ACCEPTING INPUT FROM SWITCH, OCCUPANCY SENSORS AND PHOTOSENSOR.	
2.	LIGHTS SHALL TURN ON WHEN SWITCH IS PRESSED. LIGHTS SHALL SHUT OFF VIA VACANCY SENSOR CONTROL. PHOTOSENSOR SHALL PROVIDE AUTOMATIC DIMMING BASED ON AMBIENT LIGHT IN THE SPACE.	
COMMISSIONING NOTE		
CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING LIGHTING SYSTEM FUNCTIONAL TESTING IN ACCORDANCE WITH THE REQUIREMENTS OF IECC C408.3 AUTOMATIC LIGHT REDUCTIONS CONTROLS (VIA OCCUPANCY SENSORS AND/OR TIME-SWITCH CONTROLS) AND DAYLIGHT RESPONSIVE CONTROLS SHALL BE TESTED AS REQUIRED. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO CERTIFY THAT THE INSTALLED LIGHTING CONTROLS MEET THE REQUIREMENTS OF C408.		

POWER RECEPTACLES NOTE		
•	ALL RECEPTACLES IN PUBLIC AREAS AND UNITS TO BE TAMPER-RESISTANT. IN SERVICE AREAS, THE COLOR SHALL BE WHITE WITH STAINLESS STEEL COVERPLATES, UNLESS NOTED OTHERWISE.	
•	THE RECEPTACLE AND COVERPLATE COLORS SHALL BE COORDINATED WITH THE COLORS OF THE SURROUNDINGS. ARCHITECT TO PROVIDE FINAL APPROVAL BEFORE INSTALLATIONS	

SYSTEMS LOW VOLTAGE INFORMATION		
VOICEDATA SYSTEMS:	PROVIDE OUTLET BOXES AND CONDUIT STUB-UPS WITH PULL STRING ONLY.	
SECURITY / ACCESS CONTROL SYSTEMS:	PROVIDE OUTLET BOXES AND CONDUIT STUB-UPS WITH PULL STRINGS ONLY.	

ELECTRICAL CONTRACTOR UTILITY REQUIREMENTS		
•	CONFIRM SERVICE ENTRY LOCATIONS, ROUTING, AND OTHER REQUIREMENTS WITH UTILITY PROVIDER.	
•	COORDINATE AND PROVIDE TEMPORARY POWER FOR THE COMPLETION OF THIS PROJECT.	

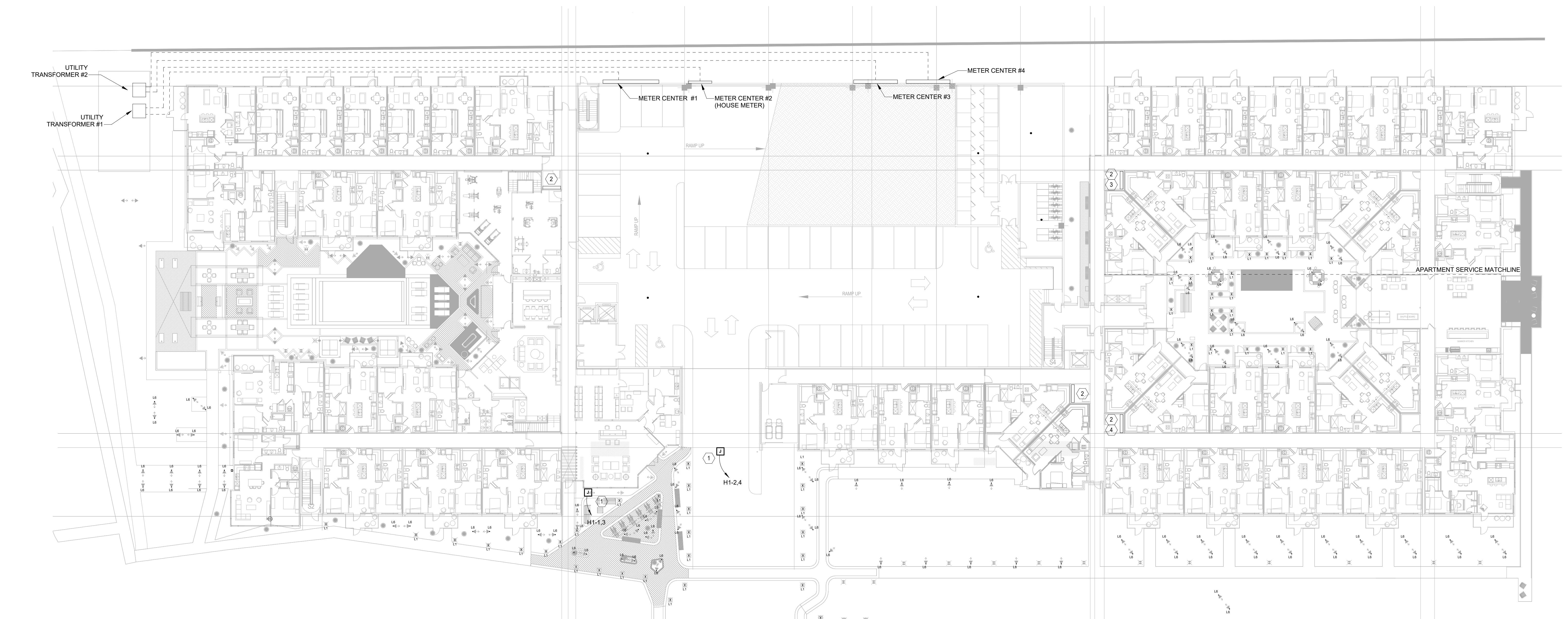
ADDITIONAL SCOPE OF WORK FOR HEARING IMPAIRED UNITS		
FEATURES TO INCLUDE DOORBELL COVERPLATE AT ENTRY, DOORBELL HORN AND STROBE IN UNIT BATHS, DOORBELL HORN AND STROBE IN THE SLEEPING AREAS WITHIN VIEW OF THE BED, AND DOORBELL HORN AND STROBE IN ANY OTHER SEPARATE ROOMS OR AREAS WITHIN UNIT. ADDITIONALLY, AN ADA APPROVED SWITCH SHALL BE INSTALLED CAPABLE OF TURNING DOORBELL 'OFF'. AS NECESSARY, THESE ITEMS ARE IN ADDITION TO AUDIO HORN AND VISUAL STROBE FOR FIRE/SMOKE.		
IN ACCORDANCE WITH NFPA, ALL FIRE/SMOKE ALARMS SHALL ANNUNCIATE AT THE FIRE ALARM PANEL. FOR THOSE ROOMS WITH ONE SMOKE DETECTOR, ACTIVATION OF ANY ONE DETECTOR SHALL ACTIVATE THE SOUNDER BASE OF ALL DETECTORS WITHIN THE ROOM. ACTIVATION OF ANY ONE DETECTOR MUST ALSO ACTIVATE ALL VISUAL STROBES PRESENT WITHIN THE ROOM.		
1. ALL SENSORS SHOULD BE SET AT THE CODE-MAXIMUM SETTING OF 30 MINUTES. DISABLE AUTO ADAPTING TIME DELAY, WHERE APPLICABLE.		
2. ALL ENCLOSED OFFICES AND ROOMS SHALL HAVE OCCUPANCY SENSOR COVERAGE.		
3. ALL SENSOR WALL SWITCHES SHALL FUNCTION AS VACANCY SENSORS (MANUAL-ON, AUTO-OFF).		
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GENERAL NOTES		
1.	ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCE. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND SYSTEMS PRIOR TO SUBMISSION OF BIDS FOR ADDITIONAL WORK WHICH MAY BE REQUIRED AS PART OF THIS WORK. NO ALLOWANCES WILL BE MADE FOR THE LACK OF COORDINATION BETWEEN DISCIPLINES OR SYSTEMS AND EQUIPMENT.	
2.	THE WORK SHALL BE COORDINATED WITH THE ARCHITECTURAL DOCUMENTS FOR THE EXACT LOCATION OF LIGHT FIXTURES, EQUIPMENT, DEVICES, ETC. TO ASSURE PROPER PLACEMENT OF SAID DEVICES AND EQUIPMENT. SWITCHES SHALL BE PLACED ON LATCH SIDE OF ALL DOOR OPENINGS. WHERE A CONFLICT EXISTS BETWEEN ANY TWO DOCUMENTS, NOTIFY THE ARCHITECT PRIOR TO ANY INSTALLATION FOR RESOLUTION.	
3.	THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT BEING INSTALLED PRIOR TO INSTALLATION TO ASSURE THAT THE EQUIPMENT, DISCONNECT, STARTER, OVERCURRENT PROTECTION, ETC. MATCHES THE ACTUAL MANUFACTURER DATA AS SUPPLIED BY THE MANUFACTURER. FULLY COORDINATE EQUIPMENT TO BE PROVIDED TO ASSURE NO ADDITIONAL COSTS TO THE CONTRACT.	
4.	CONDUT HOMERUNS MAY BE COMBINED TO INCLUDE UP TO FOUR (4) CIRCUITS. PROVIDE QUANTITY OF NEUTRALS INDICATED FOR EACH CIRCUIT.	
5.	SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP, AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLIMENT THE PLANS. WORK COLLECTED FOR BY THE CONTRACTOR SHALL BE APPROVED BY THE ARCHITECT. IF REQUIRED BY BOTH PARTIES, WHERE A CONFLICT EXISTS BETWEEN THE PLANS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.	
6.	COORDINATE ALL CUSTOM RECEPTACLES AND CIRCUITS WITH EQUIPMENT FURNISHED BY OWNER. PROVIDE OUTLETS COMPATIBLE WITH EQUIPMENT REQUIREMENTS.	
7.	SUPPORT ALL ELECTRICAL CONDUIT, RACEWAY, OUTLET AND JUNCTION BOXES VIA THREADED ROD OR DEDICATED INDEPENDENT #12 GA GALVANIZED TIE WIRE. DO NOT SECURE ANY ITEM EXCEPT LIGHT FIXTURES TO CEILING CONSTRUCTION OR SUPPORT WIRES. SUPPORT MULTIPLE CONDUITS FROM ADDITIONAL WIRES COMPLYING WITH NEC ART. 300.11. LIGHT FIXTURES SHALL BE SUPPORTED VIA INDEPENDENT SUPPORT WIRES.	
8.	ALL CONDUIT PENETRATIONS OF FIRE RATED WALLS, FLOORS, AND PARTITIONS SHALL BE FIRESTOPPED WITH A UL RECOGNIZED PRODUCT RESTORING THE INTEGRITY OF THE BARRIER PENETRATED. UTILIZE NELSON "FSP" FIRESTOP PUTTY, "PSC" PIPE CHOKE SYSTEM, OR "CLK" FIRESTOP CALK TO PROVIDE A UL LISTED ASSEMBLY, OR APPROVED ALTERNATE.	
9.	CONTRACTOR SHALL TEST EACH AND EVERY WIRING DEVICE AND LIGHT FIXTURE FOR CORRECT OPERATION AND FUNCTION. PROJECT VOLTAGE REQUIREMENTS FOR EACH CIRCUIT OF THE SYSTEM AND PRACTICAL PLANS WITH HIGHLIGHTS AND FIGURES HIGHLIGHTED TO INDICATE SUCCESSFUL TESTING AND OPERATION. SUBMIT TO THE ARCHITECT PRIOR TO REQUEST FOR FINAL CONSTRUCTION REVIEW.	
10.	REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF ALL FLOOR CORES SHOWN ON PLANS. LOCATIONS SHALL BE COORDINATED WITH STRUCTURE BELOW. NOTIFY ARCHITECT OF ANY FIELD CONFLICTS FOR DIRECTION.	
11.	REFER TO EQUIPMENT CUT SHEETS AND MANUFACTURER'S DATA FOR ROUGH IN LOCATIONS OF ELECTRICAL CONNECTIONS AND INTERCONNECTIONS OF ALL EQUIPMENT.	
12.	CONTRACTOR SHALL COORDINATE ELEVATIONS AND PIPING SYSTEM SLOPES SUCH THAT DRAINAGE IS PROPER. PIPING SYSTEMS SHALL ASSEMBLED AND EQUIPMENT IS INSTALLED AT UNIFORM ELEVATIONS WITH MINIMAL OFFSET. PROVIDE COORDINATION DRAWING TO ENGINEER FOR REVIEW PRIOR TO EQUIPMENT ORDERS AND ROUGH-IN.	
13.	COORDINATE WITH SPECIALTY SYSTEMS VENDORS TO PROVIDE RACEWAY AND CABLING, POWER AND CONTROL INTERFACES FOR COMPLETE, OPERABLE SYSTEMS.	
14.	ALL ELECTRICAL EQUIPMENT SHALL BE MARKED WITH ARC FLASH HAZARD WARNING LABELS IN ACCORDANCE WITH THE REQUIREMENTS OF NEC 110.16.	
15.	AFTER INSTALLATION OF ALL NEW DISTRIBUTION EQUIPMENT, THE CONTRACTOR SHALL CONDUCT A FULL SHORT CIRCUIT COORDINATION STUDY TO CONFIRM REQUIRED CIRCUIT BREAKER ADJUSTABLE SETTINGS AND FUSE RATINGS FOR ALL EQUIPMENT TO BE PROVIDED. PROVIDE REPORT INDICATING RECOMMENDED SETTINGS AND TRIP CURVES.	
16.	PROVIDE FIRE ALARM CONTROL PANEL AT LOCATION SHOWN IN ACCORDANCE WITH NFPA 72. PROVIDE ADEQUATE ALARM RECEIVING AND OUTPUT MODULES TO ACCOMMODATE DEVICES SHOWN ON PLANS. ALL COMPONENTS OF THE FIRE ALARM SYSTEM SHALL CONFORM TO ADA GUIDELINES.	
17.	FOR 120V AND 277V RUNS OVER 100' AND 200' RESPECTIVELY, PROVIDE #10AWG CONDUCTORS.	
18.	EXPANSION FITTINGS SHALL BE INSTALLED AT CONDUIT PENETRATIONS THRU, AROUND, OR WITHIN EXPANSION JOINTS.	
19.	FIRE ALARM VISUAL SIGNALING DEVICES SHALL BE 75cd STROBES MINIMUM AND SHALL COMPLY WITH UL 1368.	
20.	ALL ELECTRICAL EQUIPMENT SHALL BE MARKED WITH ARC FLASH HAZARD WARNING LABELS IN ACCORDANCE WITH THE REQUIREMENTS OF NEC 110.16.	
21.	CONTRACTOR SHALL INCLUDE PRICING FOR EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEM.	
22.	PROVIDE NEMA 5-20R FOR ALL DEDICATED RECEPTACLES. 5-15R SHALL BE ACCEPTABLE WHERE MULTIPLE RECEPTACLES ARE ON A CIRCUIT.	

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MTO HT UNO
	ARROWHEAD INDICATES HOMERUN. X-1,3, AND 5 ADJACENT TO HOMERUN ARROWHEADS INDICATES HOMERUN TO PANEL X. CIRCUIT NUMBERS 1, 3, AND 5.	
	INDICATES CIRCUIT CONTINUATION OF CIRCUITS 3 AND 5 OF PANEL X.	
	MARKS ACROSS RACEWAY SYMBOLS INDICATE THE NUMBER OF #12 CONDUCTORS, UNLESS OTHERWISE NOTED. NO MARKS INDICATE TWO #12 CONDUCTORS. EQUIPMENT GROUNDING CONDUCTORS ARE NOT INDICATED BY MARKS, BUT ARE REQUIRED.	
	RACEWAY INSTALLED CONCEALED IN WALL OR ABOVE CEILING / CONCEALED BELOW FLOOR	
	DUPLEX RECEPTACLE OUTLET	18"
	WEATHERPROOF DUPLEX RECEPTACLE OUTLET	18"
	QUADRUPLEX RECEPTACLE OUTLET	18"
	DUPLEX OR QUAD ON DEDICATED CIRCUIT - NOTE 5	18"
	GFCI DUPLEX RECEPTACLE OUTLET	18"
	SWITCH RECEPTACLE OUTLET	18"
	DUPLEX RECEPTACLE OUTLET WITH USB-C PORTS	18"
	COMBINATION DATA/TELEPHONE OUTLET	18"
	SPECIAL PURPOSE RECEPTACLE OUTLET, NEMA CONFIGURATION AS NOTED ON THE PLANS.	18"
	DOORBELL	
	DOORBELL TRANSFORMER	
	TELEVISION OUTLET - NOTE 4	
	FLUSH POKE-THRU QUADRAPELX DEVICE WITH DATA - NOTE 7	
	PANEL AS NOTED	
	FUSIBLE / NON-FUSED DISCONNECT SWITCH	
	BADGE READER BY TENANT'S VENDOR	
	JUNCTION BOX - CEILING MOUNTED / WALL MOUNTED	
	TELEPHONE BACKBOARD	
	CEILING MOUNTED EXIT SIGN - NOTE 6	
	FIRE ALARM AUDIO/VISUAL SIGNALING DEVICE - WALL MOUNTED / CEILING MOUNTED - NOTE 3	90° TO BOTTOM
	FIRE ALARM VISUAL SIGNALING DEVICE - NOTE 3	80° TO BOTTOM
	FIRE ALARM PULSATION DEVICE - NOTE 3	45°
	FIRE ALARM AUDIO DEVICE - NOTE 3	82°
	TWO-WAY COMMUNICATION INTERCOM	48°
	WATER FLOW SWITCH	
	VALVE TAMPER SWITCH	

## LEGEND NOTES:

1. UNLESS NOTED OTHERWISE, MOUNTING HEIGHT DIMENSIONS ARE TO THE CENTERLINE OF THE DEVICE OR OUTLET ABOVE GRADE OR FINISHED



1 ELECTRICAL SITE PLAN  
E1.10 1" = 20'-0"

#### KEY NOTES

- ① PROVIDE JUNCTION BOX FOR SIGNAGE. SIGNAGE IS TO BE CONTROLLED THROUGH TIMER/LOCK PROVIDED IN MAIN ELECTRICAL ROOM. COORDINATE POWER REQUIREMENTS WITH MANUFACTURER.
- ② PROVIDE A VERTICAL CHASE IN ROOM AS SHOWN TO HOUSE FEEDERS FOR APARTMENT UNITS.
- ③ VERTICAL CHASE PROVIDED IS TO FEED ALL APARTMENTS ABOVE MATCHLINE SHOWN.
- ④ VERTICAL CHASE PROVIDED IS TO FEED ALL APARTMENTS BELOW MATCHLINE SHOWN.

#### REVISIONS

Δ	DESCRIPTION	DATE
	ISSUE FOR PRICING / BIDDING	12/15/2023

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SHEET NAME

ELECTRICAL  
SITE PLAN

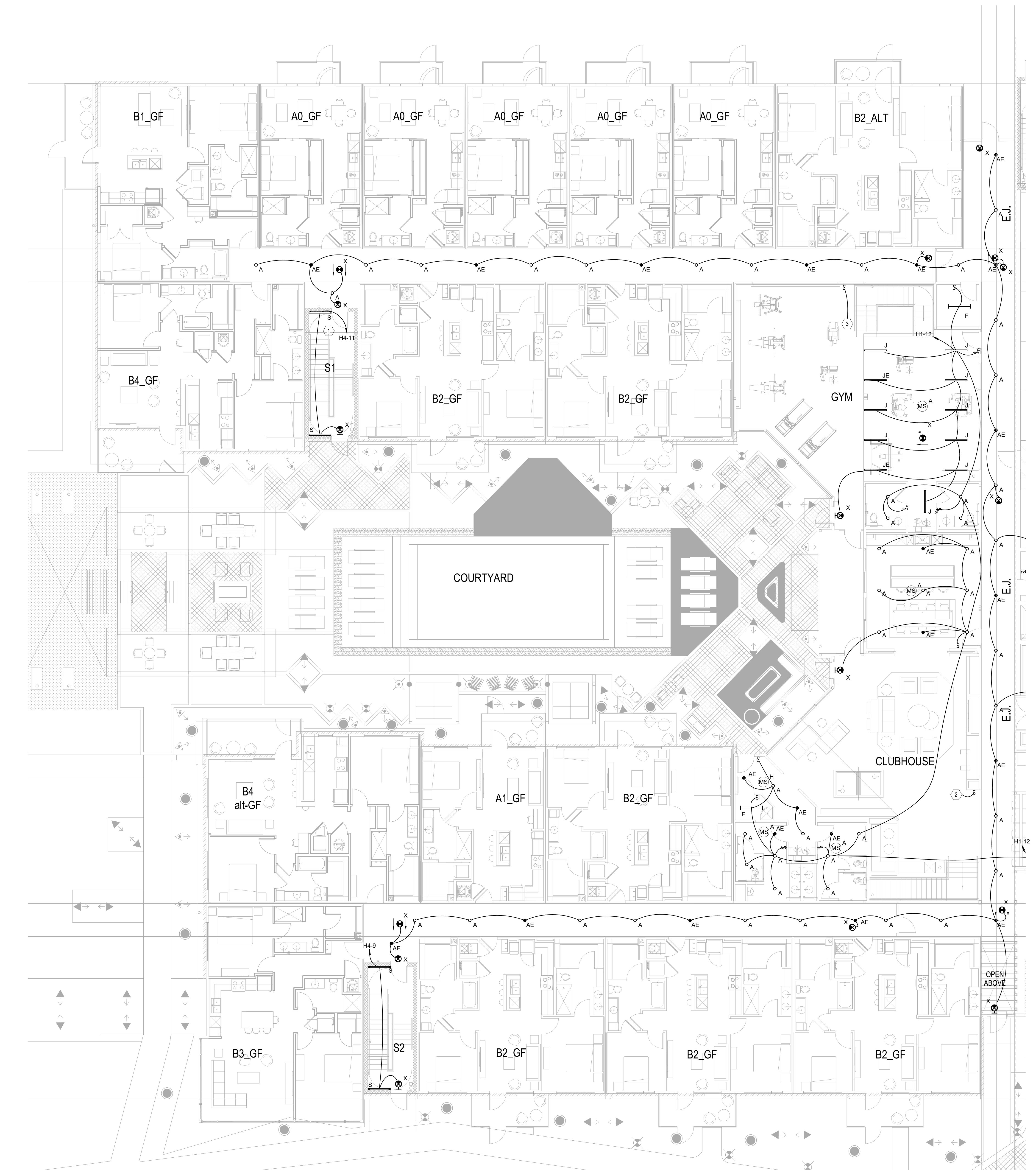
SHEET NUMBER REVISION  
E1.10

## GENERAL NOTES:

- REFER TO INTERIOR DESIGN'S REFLECTED CEILING PLAN FOR EXACT PLACEMENT OF ALL LIGHTING FIXTURES SHOWN.
- REFER TO LIGHTING FIXTURE SCHEDULE ON E0.00.
- ALL EMERGENCY LIGHTING FIXTURES SHOWN SHALL OPERATE AS UNSWITCHED NIGHT LIGHT FIXTURES, UNLESS NOTED OTHERWISE. WHERE REQUIRED BY LOCAL AUTHORITY, PROVIDE 24 HOUR POWER FROM LOCAL LIGHTING BRANCH CIRCUIT.
- PROVIDE 24-HOUR, UNSWITCHED POWER TO ALL EGRESS AND EXIT LIGHT FIXTURES.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 90 DEGREE ANGLES. ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- TYPE "C" FIXTURES ARE EQUIPPED WITH INTEGRAL OCCUPANCY SENSORS FOR AUTOMATIC CONTROLS.
- LIGHTING IN APARTMENT CORRIDORS ARE TO BE ON 24 HOURS.
- PROVIDE 3/12 - 1/2" C OR LOW VOLTAGE WIRING AS APPROPRIATE BETWEEN CORRESPONDING 3-WAY SWITCHES SHOWN ON THE FLOOR PLAN.

## KEY NOTES

- EXTEND AND CONNECT TO ALL LIGHTING AT STAIRWELL LANDINGS ABOVE.
- SWITCH TO CONTROL LIGHTS IN CLUBHOUSE SHOWN ON E2.21.
- SWITCH TO CONTROL LIGHTS IN HIGH CEILING IN THE GYM SHOWN ON E2.21.

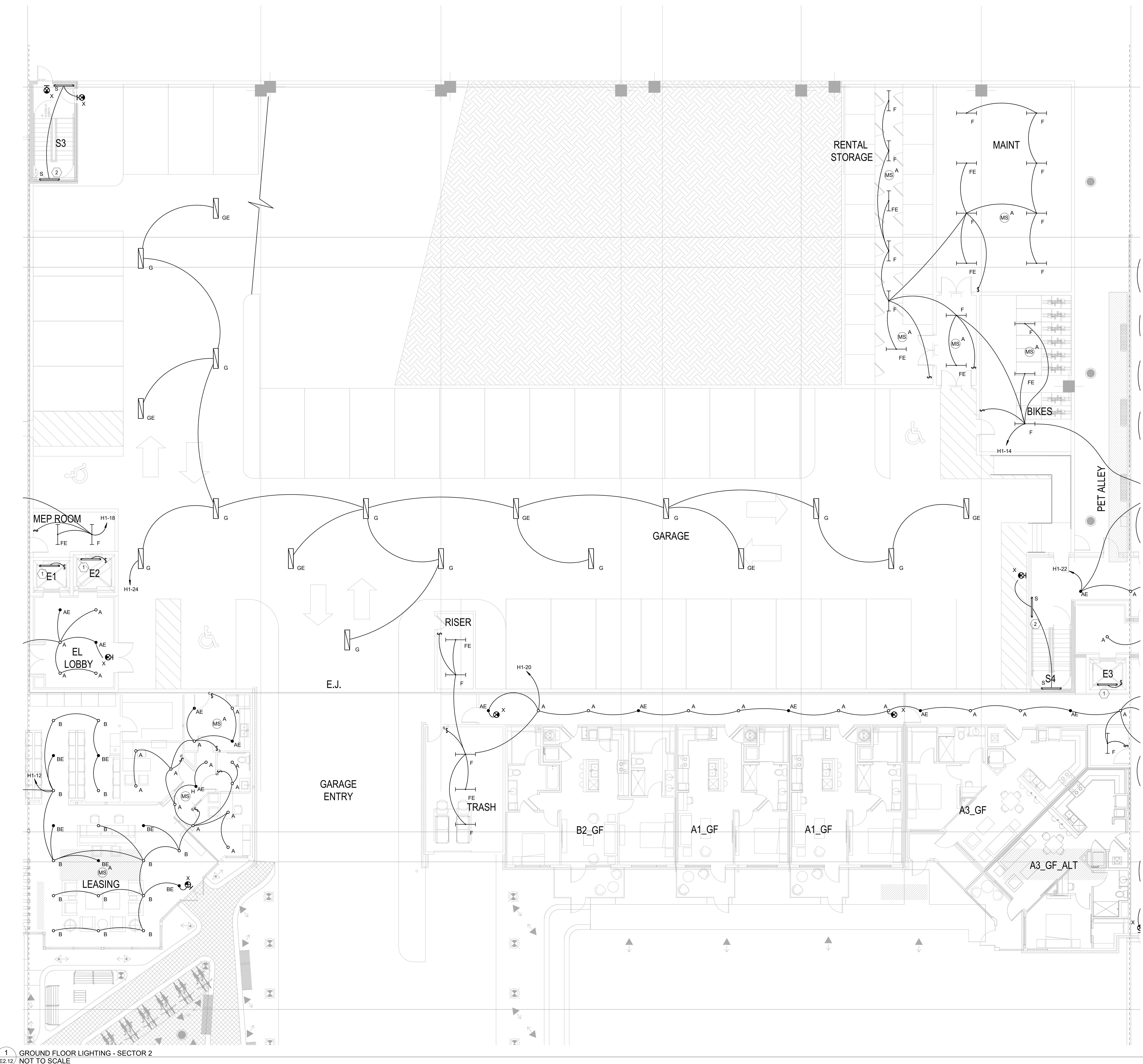
1 GROUND FLOOR LIGHTING - SECTOR 1  
E2.11 NOT TO SCALE

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## KEY NOTES

- 1 PROVIDE LED STRIP LIGHT WITH WIREGUARD AT EACH ACCESSIBLE LEVEL OF THE ELEVATOR PIT. PROVIDE LIGHT SWITCH NEAR ELEVATOR CONTROL ACCESS.
- 2 EXTEND AND CONNECT TO ALL LIGHTING AT STAIRWELL LANDINGS ABOVE.



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- LIGHTING IN APARTMENT CORRIDORS ARE TO BE ON 24 HOURS.
- PROVIDE 3W/2 - 1/2'C OR LOW VOLTAGE WIRING AS APPROPRIATE BETWEEN CORRESPONDING 3-WAY SWITCHES SHOWN ON THE FLOOR PLAN.

## KEY NOTES

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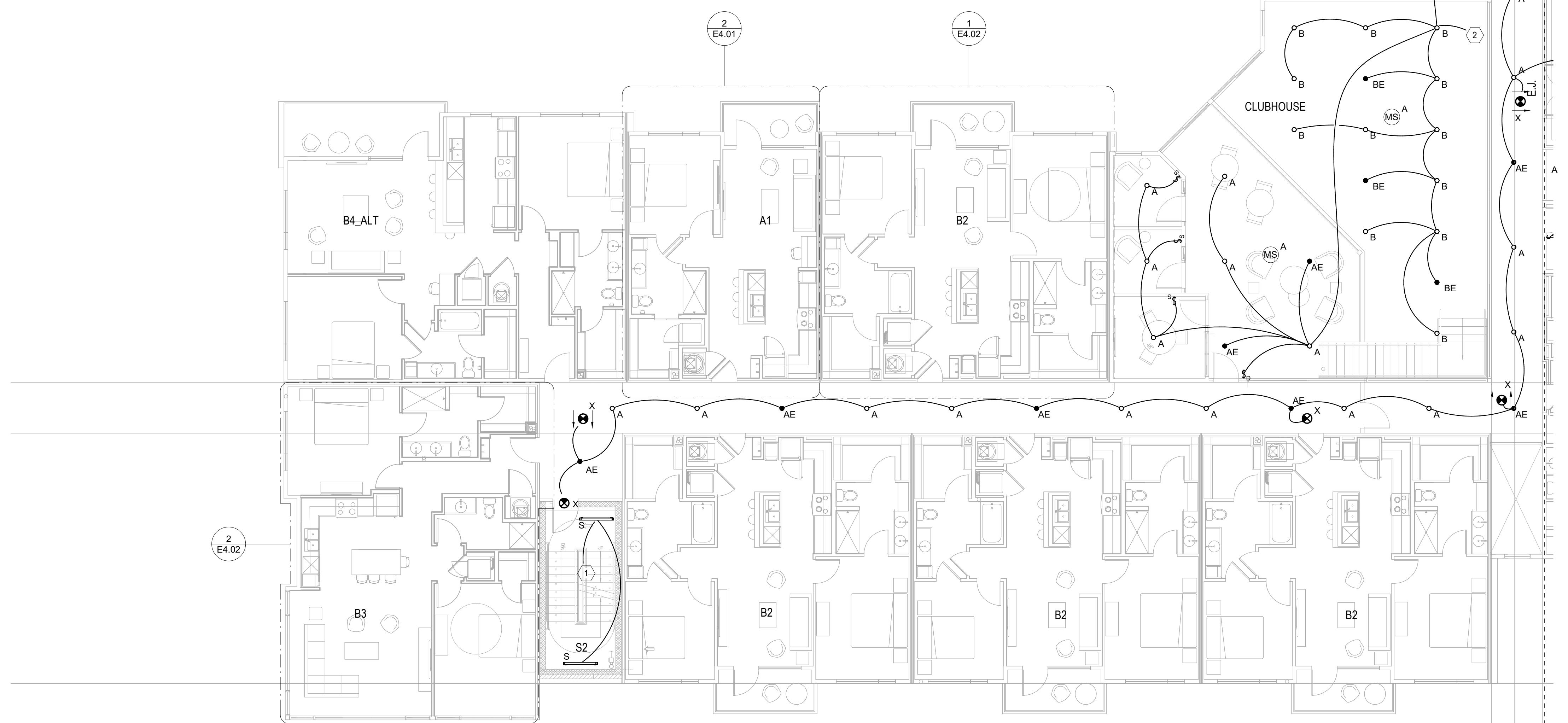
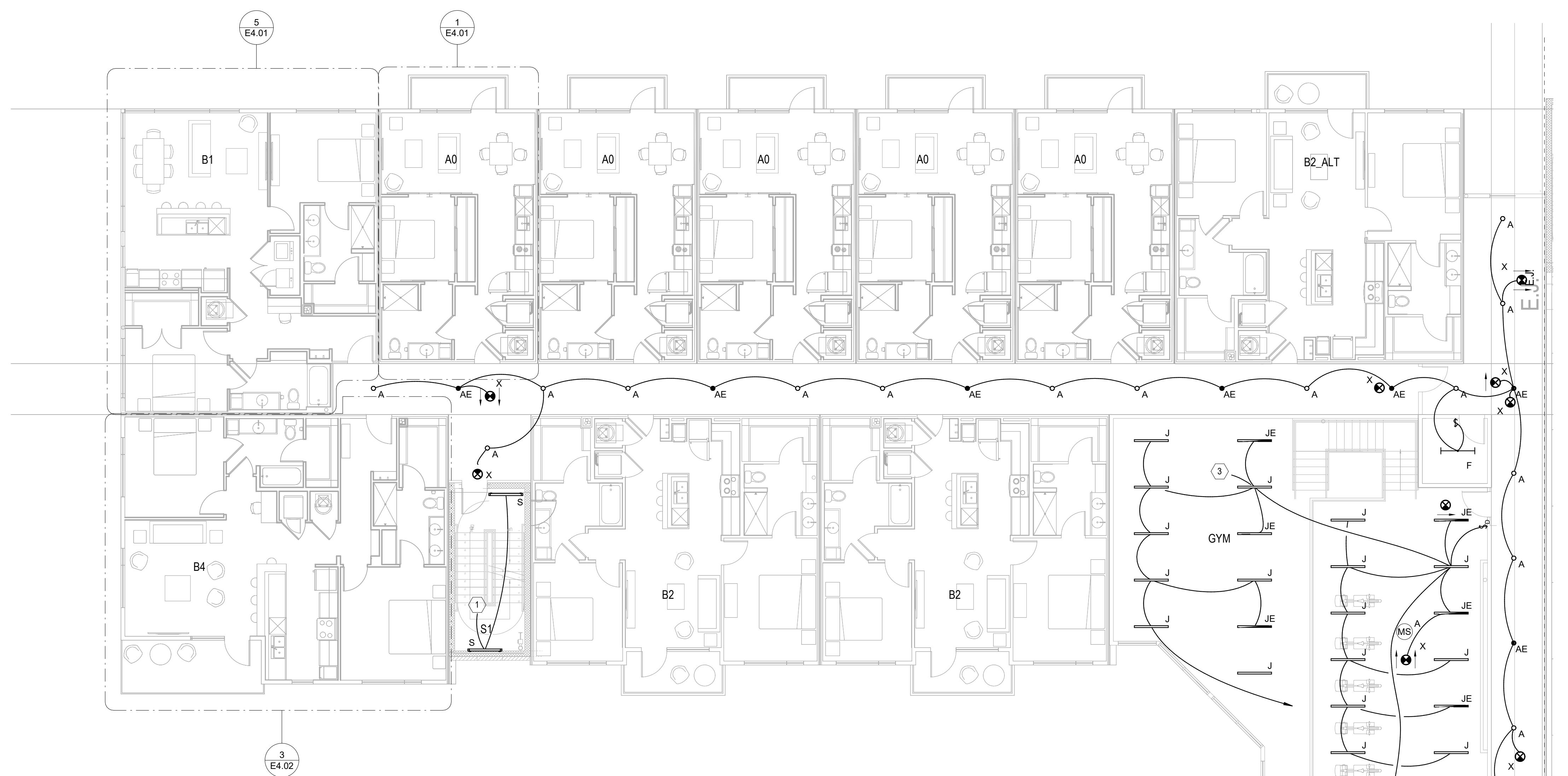
1 GROUND FLOOR LIGHTING - SECTOR 3  
NOT TO SCALE  
E2.13

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## KEY NOTES

- EXTEND AND CONNECT TO ALL LIGHTING AT STAIRWELL LANDINGS ABOVE AND BELOW.
- LIGHTS TO BE CONTROLLED WITH SWITCH SHOWN ON LEVEL 1 OF CLUBHOUSE ON 1/E2.11
- LIGHTS TO BE CONTROLLED WITH SWITCH SHOWN ON LEVEL 1 OF GYM ON 1/E2.11

1 SECOND FLOOR LIGHTING - SECTOR 1  
E2.21 NOT TO SCALE

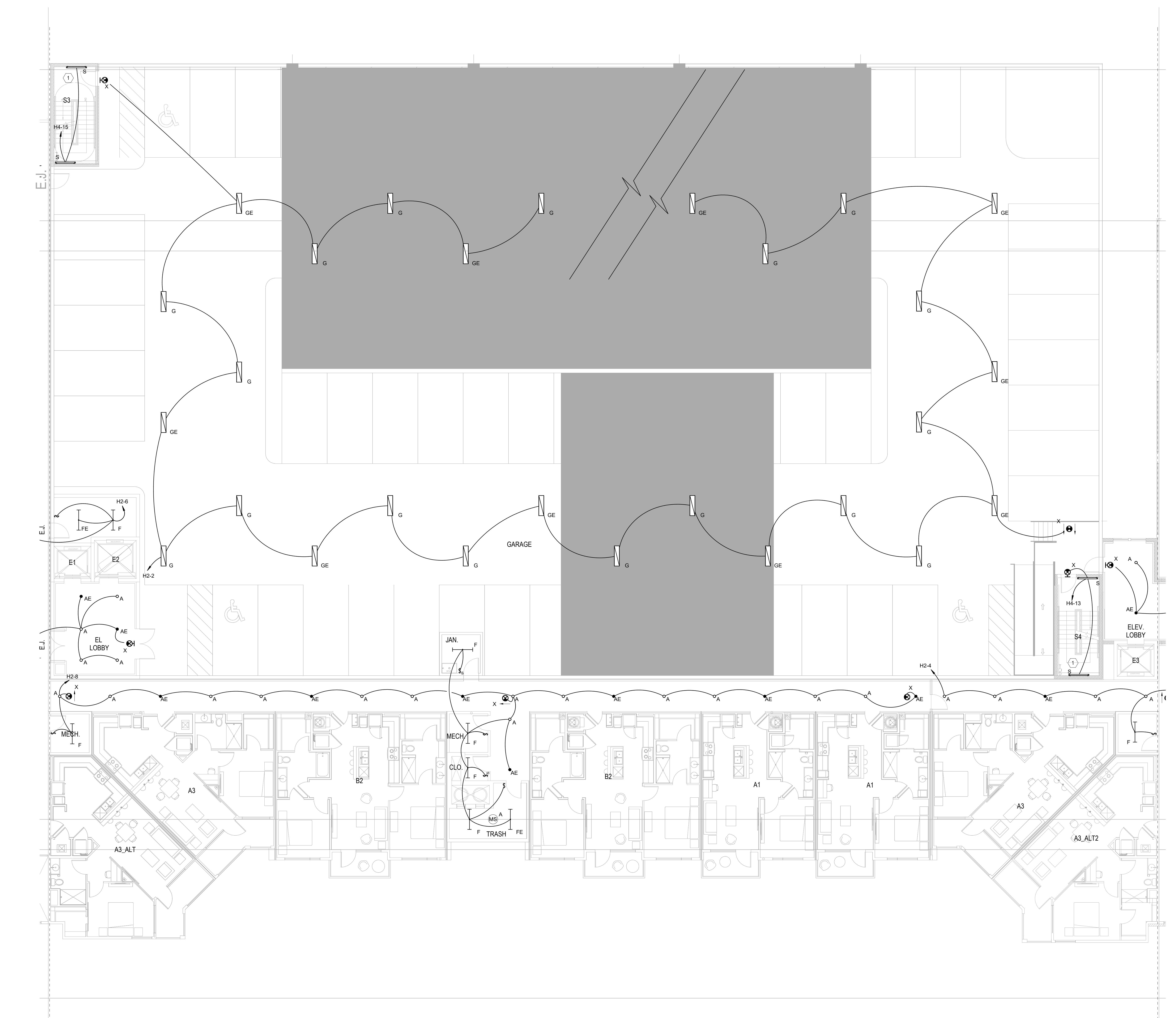


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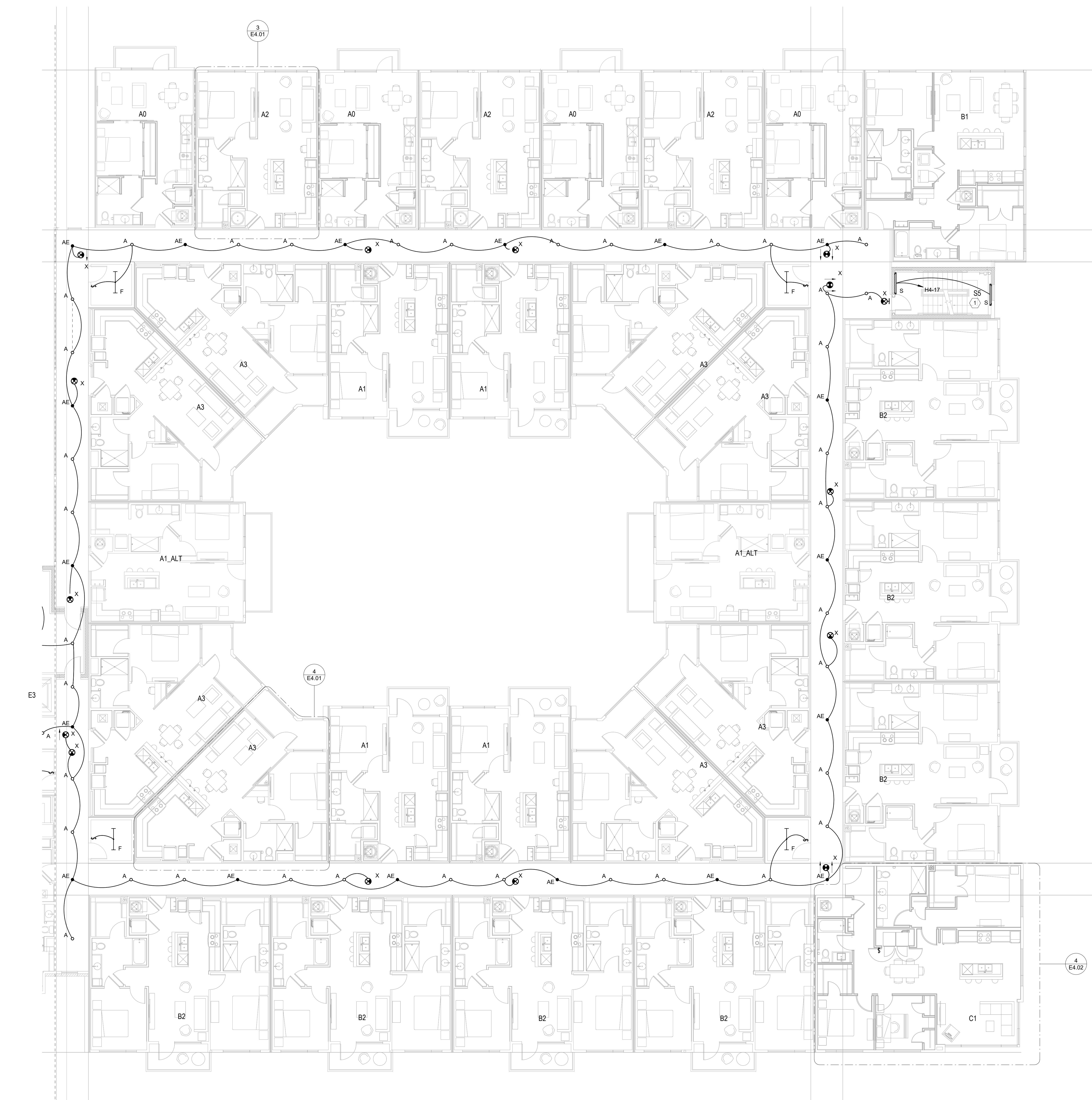


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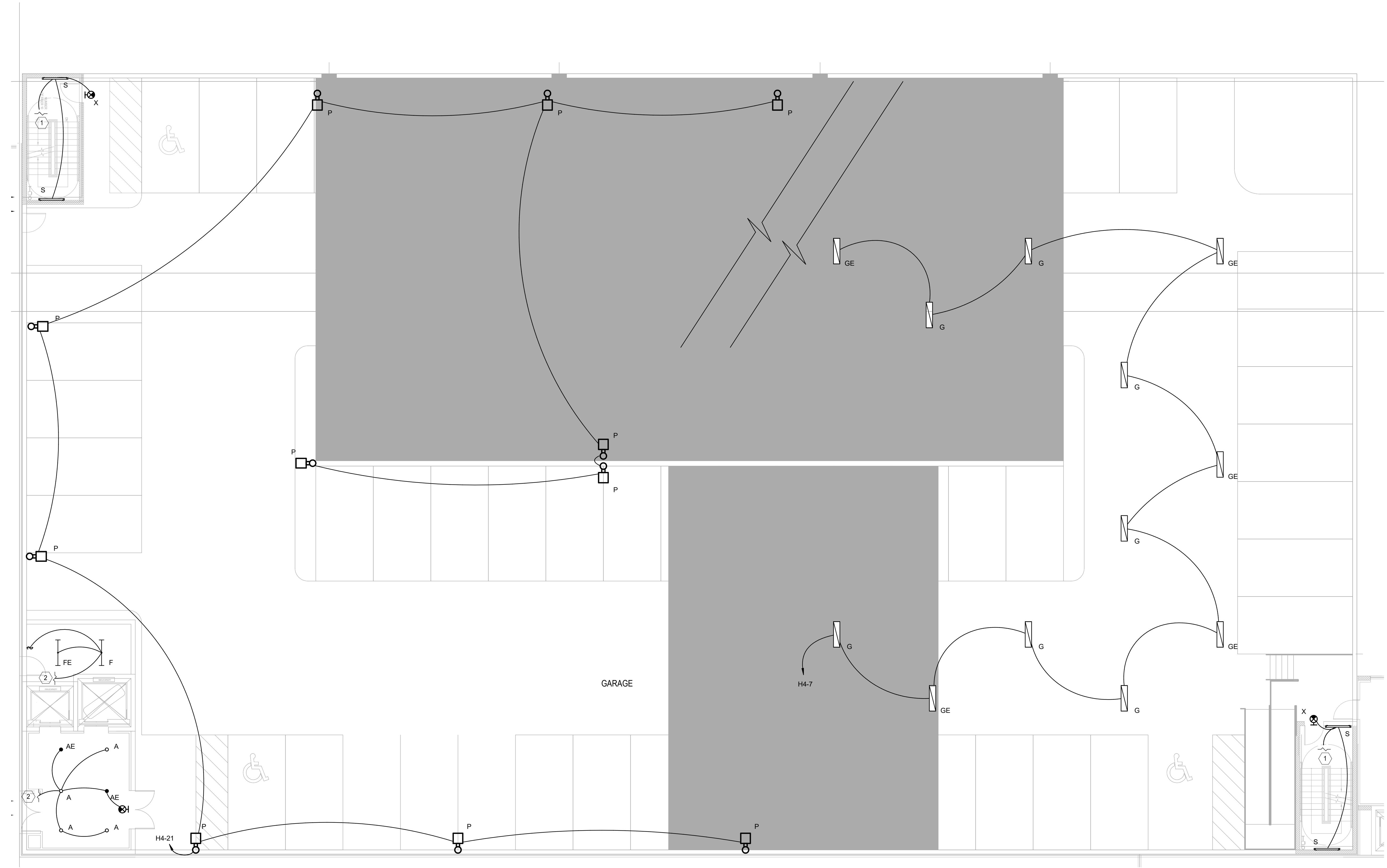
1 TYPICAL FLOOR LIGHTING - SECTOR 3 (TYPICAL FOR LEVELS 2-4)  
E2.33 NOT TO SCALE

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- ALL EMERGENCY LIGHTING FIXTURES SHOWN SHALL OPERATE AS UNSWITCHED NIGHT LIGHT FIXTURES, UNLESS NOTED OTHERWISE. WHERE REQUIRED BY LOCAL AUTHORITY, PROVIDE 24 HOUR POWER FROM LOCAL LIGHTING BRANCH CIRCUIT.
- PROVIDE 24-HOUR, UNSWITCHED POWER TO ALL EGRESS AND EXIT LIGHT FIXTURES.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 90 DEGREE ANGLES. ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- TYPE "G" FIXTURES ARE EQUIPPED WITH INTEGRAL OCCUPANCY SENSORS FOR AUTOMATIC CONTROLS.
- LIGHTING IN APARTMENT CORRIDORS ARE TO BE ON 24 HOURS.
- PROVIDE 3#12 - 1/2" C OR LOW VOLTAGE WIRING AS APPROPRIATE BETWEEN CORRESPONDING 3-WAY SWITCHES SHOWN ON THE FLOOR PLAN.

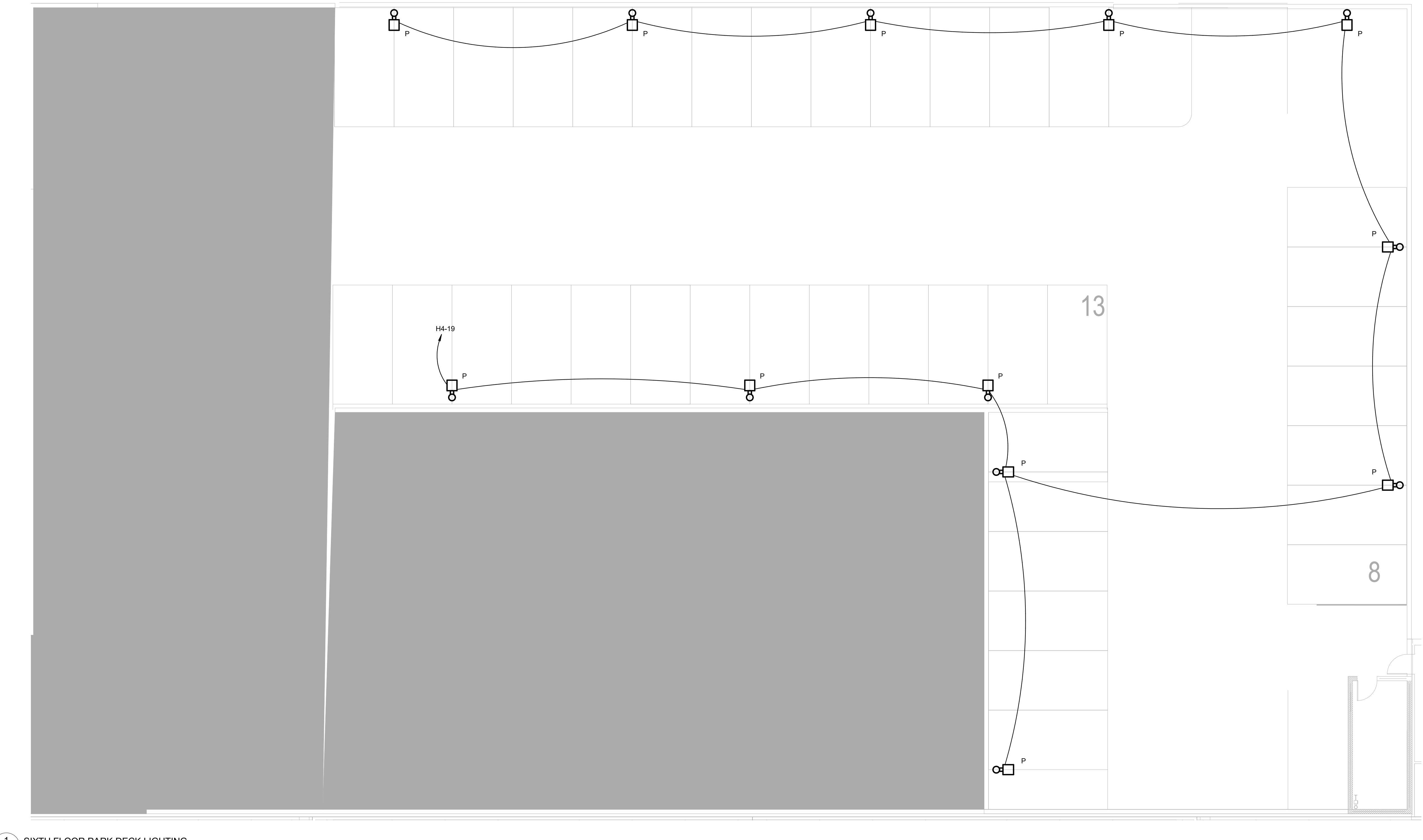
## KEY NOTES

- EXTEND AND CONNECT TO ALL LIGHTING AT STAIRWELL LANDINGS ABOVE AND BELOW.
- EXTEND AND CONNECT TO LIGHTING CIRCUIT SERVING CORRIDOR.

1 FIFTH FLOOR PARKING DECK LIGHTING  
E2.51 1/8" = 1'0"

## GENERAL NOTES:

- REFER TO INTERIOR DESIGN'S REFLECTED CEILING PLAN FOR EXACT PLACEMENT OF ALL LIGHTING FIXTURES SHOWN.
- REFER TO LIGHTING FIXTURE SCHEDULE ON E0.00.
- ALL EMERGENCY LIGHTING FIXTURES SHOWN SHALL OPERATE AS UNSWITCHED NIGHT LIGHT FIXTURES, UNLESS NOTED OTHERWISE. WHERE REQUIRED BY LOCAL AUTHORITY, PROVIDE 24 HOUR POWER FROM LOCAL LIGHTING BRANCH CIRCUIT.
- PROVIDE 24-HOUR, UNSWITCHED POWER TO ALL EGRESS AND EXIT LIGHT FIXTURES.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 90 DEGREE ANGLES. ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- TYPE "G" FIXTURES ARE EQUIPPED WITH INTEGRAL OCCUPANCY SENSORS FOR AUTOMATIC CONTROLS.
- LIGHTING IN APARTMENT CORRIDORS ARE TO BE ON 24 HOURS.
- PROVIDE 3H12 - 1/2" C OR LOW VOLTAGE WIRING AS APPROPRIATE BETWEEN CORRESPONDING 3-WAY SWITCHES SHOWN ON THE FLOOR PLAN.



## GENERAL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLAN IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE SPECIFICATIONS AND THE PLAN, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
- ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 30 DEGREES AND 45 DEGREES. ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- PROVIDE UL-LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
- ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

## KEY NOTES

- CARD READER. PROVIDE JUNCTION BOX WHERE SHOWN. INTERFACE WITH DOOR HARDWARE. PROVIDE ALL NECESSARY POWER/LOW-VOLTAGE TRANSFORMERS.
- FLUSH FLOOR BOX FOR POWER. DOUBLE GANG WITH CAPACITY FOR ONE (1) DUPLEX RECEPTACLE AND TWO (2) CAT5 JACKS TRENCHED IN SLAB. PROVIDE WIREMOLD RIF-B4 OR EQUAL.
- RECEPTACLES ARE TO BE MOUNTED ON MILLWORK. COORDINATE LOCATION WITH VENDOR PRIOR TO INSTALLATION.
- PROVIDE (6) CONDUITS GOING UP VERTICAL CHASE TO 2ND FLOOR TO FEED UNITS ON FLOORS ABOVE.
- CONFIRM LAYOUT OF EQUIPMENT WITH OWNER AND VENDOR PRIOR TO INSTALLATION OF EQUIPMENT.

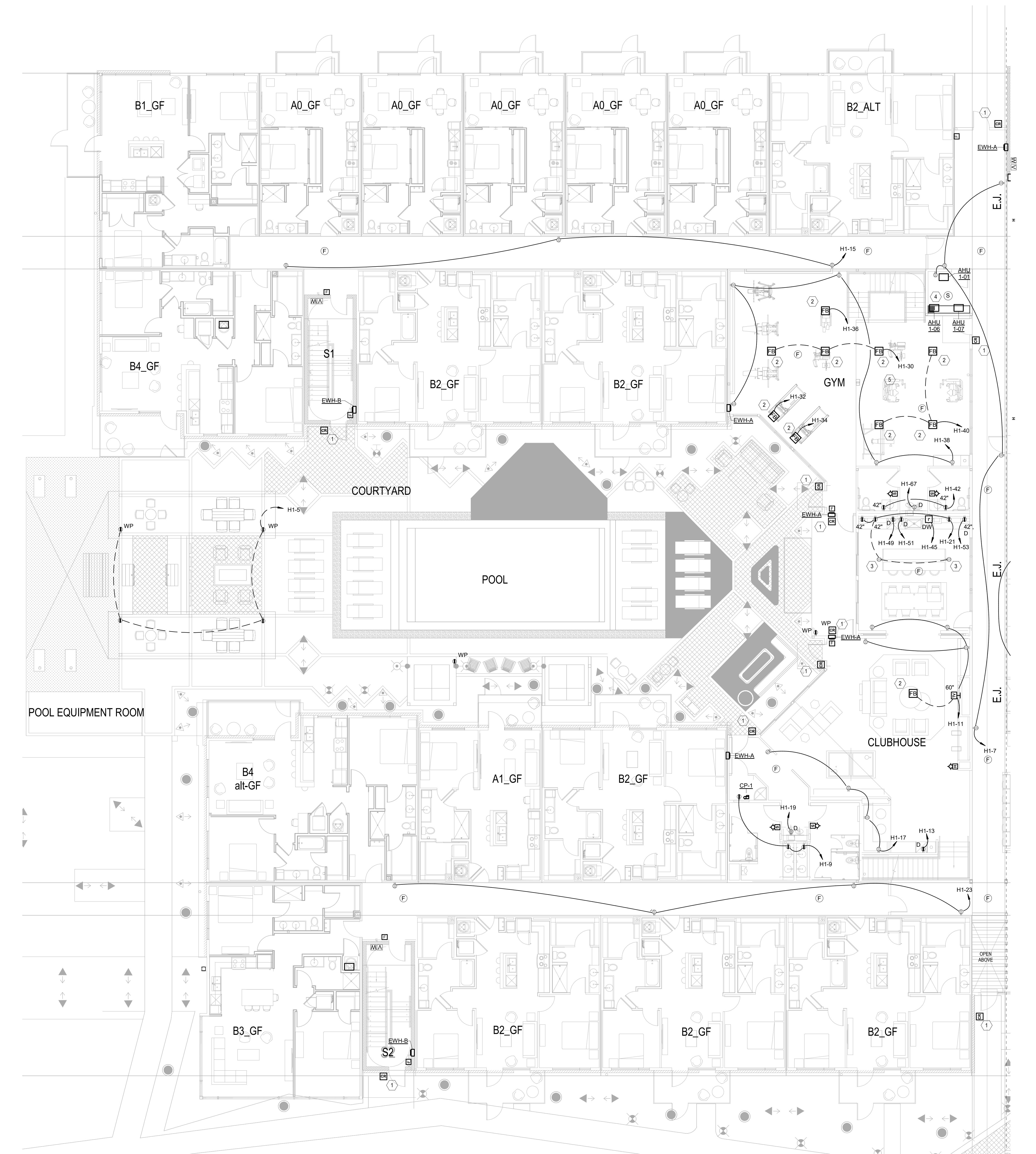
## POOL EQUIPMENT ROOM

PROVIDE CONNECTIONS TO THE FOLLOWING IN POOL EQUIPMENT RM:

EQUIPMENT	CONNECTION	BREAKER
POOL FILTER PUMP, 208V, 1Ø	(SWITCH)	40/2 GFCI
POOL HEATER, 120V, 1Ø	(SWITCH)	20/1 GFCI
POOL CHEM EQUIP, 120V, 1Ø	(RECEPTACLE)	20/1 GFCI
POOL LTS, 120V, 1Ø	(TIMER)	20/1 GFCI
SPILL AWAY PUMP, 208V, 1Ø	(SWITCH)	20/1 GFCI

COORDINATE LOCATIONS WI/POOL EQUIP VENDOR

ALL EQUIPMENT IN THE POOL AREA & POOL EQUIPMENT ROOM SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 680. PROVIDE EQUIPMENTAL BONDING SYSTEM WITH SOLID #8 CU FOR ALL METALLIC OBJECTS INCLUDING REINFORCING STEEL.



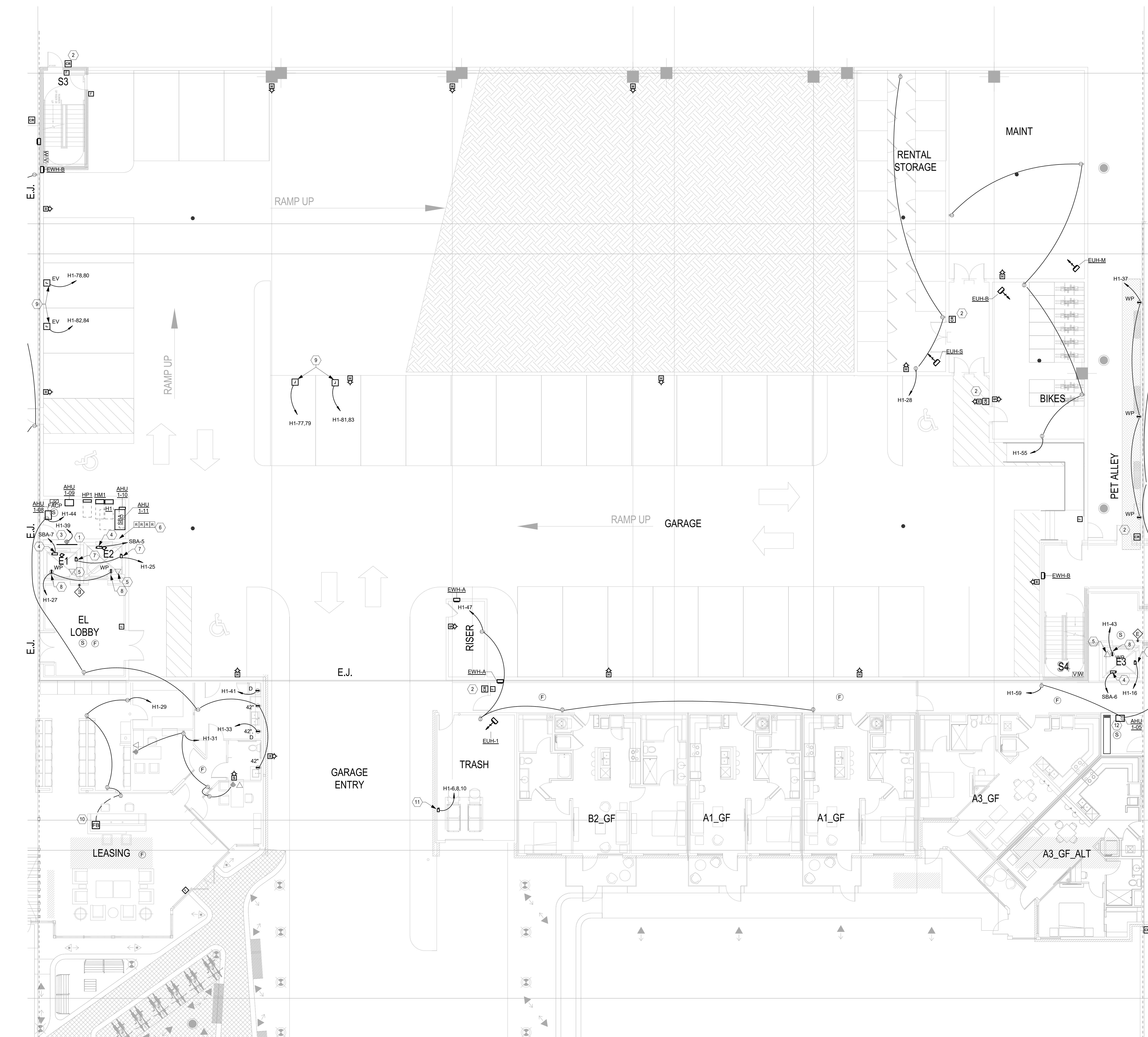
1 GROUND FLOOR ELECTRICAL - SECTOR 1  
E3.11 1/8" = 1'-0"

## GENERAL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLAN IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE SPECIFICATIONS AND THE PLAN, THE STRIGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
- ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROURED A NEAT, WORKMANLIKE MANNER AT 90 DEGREES AND ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- PROVIDE UL-LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
- ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

## KEY NOTES

- FIRST FLOOR BASE BUILDING ELECTRICAL ROOM.
- CARD READER: PROVIDE JUNCTION BOX WHERE SHOWN. INTERFACE WITH DOOR HARDWARE. PROVIDE ALL NECESSARY POWER/LOW-VOLTAGE TRANSFORMERS.
- PROVIDE 2" CONDUIT WITH PULLSTRING AT TELEPHONE BACKBOARD SHOWN TO BASE BUILDING TELEPHONE ROOM. PROVIDE GROUND BAR WITH #6 GROUND TO PANEL SERVING EQUIPMENT IN THIS ROOM.
- ELEVATOR DISCONNECT SWITCH: CONNECT 208V/3Ø POWER FEED TO ELEVATOR. CONNECT AUX CONTACT TO ELEVATOR. COORDINATE FINAL LOCATION AND POWER REQUIREMENTS WITH MANUFACTURERS' SPECIFICATIONS PRIOR TO ROUGH-IN.
- PROVIDE AND CONNECT 3/4" TELEPHONE FEED TO ELEVATOR. COORDINATE CONNECTION LOCATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
- FIRE ALARM RELAYS CONNECT TO ELEVATOR CONTROLLER FOR:  
A. RECALL TO PRIMARY LEVEL  
B. RECALL TO ALTERNATE LEVEL  
C. WARNING TO ELEVATOR CAB - HOISTWAY  
D. WARNING TO ELEVATOR CAB - ELEVATOR MACHINE ROOM.
- PROVIDE 20A/1P ENCLOSED CIRCUIT BREAKER FOR ELEVATOR CAB LIGHT AND MAIN FINAL CONNECTIONS AS REQUIRED.
- PROVIDE ELEVATOR MAINTENANCE RECEPTACLE AT EACH LEVEL OF ELEVATOR PIT.
- PROVIDE TWO (2) 208V/1Ø, 60A BRANCH CIRCUITS TO SINGLE ELECTRIC VEHICLE CHARGING STATION. EACH SET OF CONDUCTORS SHALL CONSIST OF 2/4A #10G - 1 1/4" C BRANCH CIRCUIT WIRING. COORDINATE ALL REQUIREMENTS WITH EQUIPMENT PROVIDER.
- FLUSH FLOOR BOX FOR POWER. DOUBLE GANG WITH CAPACITY FOR TWO (2) DUPLEX RECEPTACLES TRENCHED IN SLAB. PROVIDE WIREMOLD #RFB2 OR EQUAL.
- TRASH COMPACTOR - PROVIDE 208V/3Ø CONNECTION WITH 3#10, #10G - 3/4" C. COORDINATE EXACT ELECTRICAL CONNECTIONS WITH MANUFACTURER.
- PROVIDE (24) CONDUITS GOING UP VERTICAL CHASE TO 2ND FLOOR TO FEED UNITS ON FLOORS ABOVE.

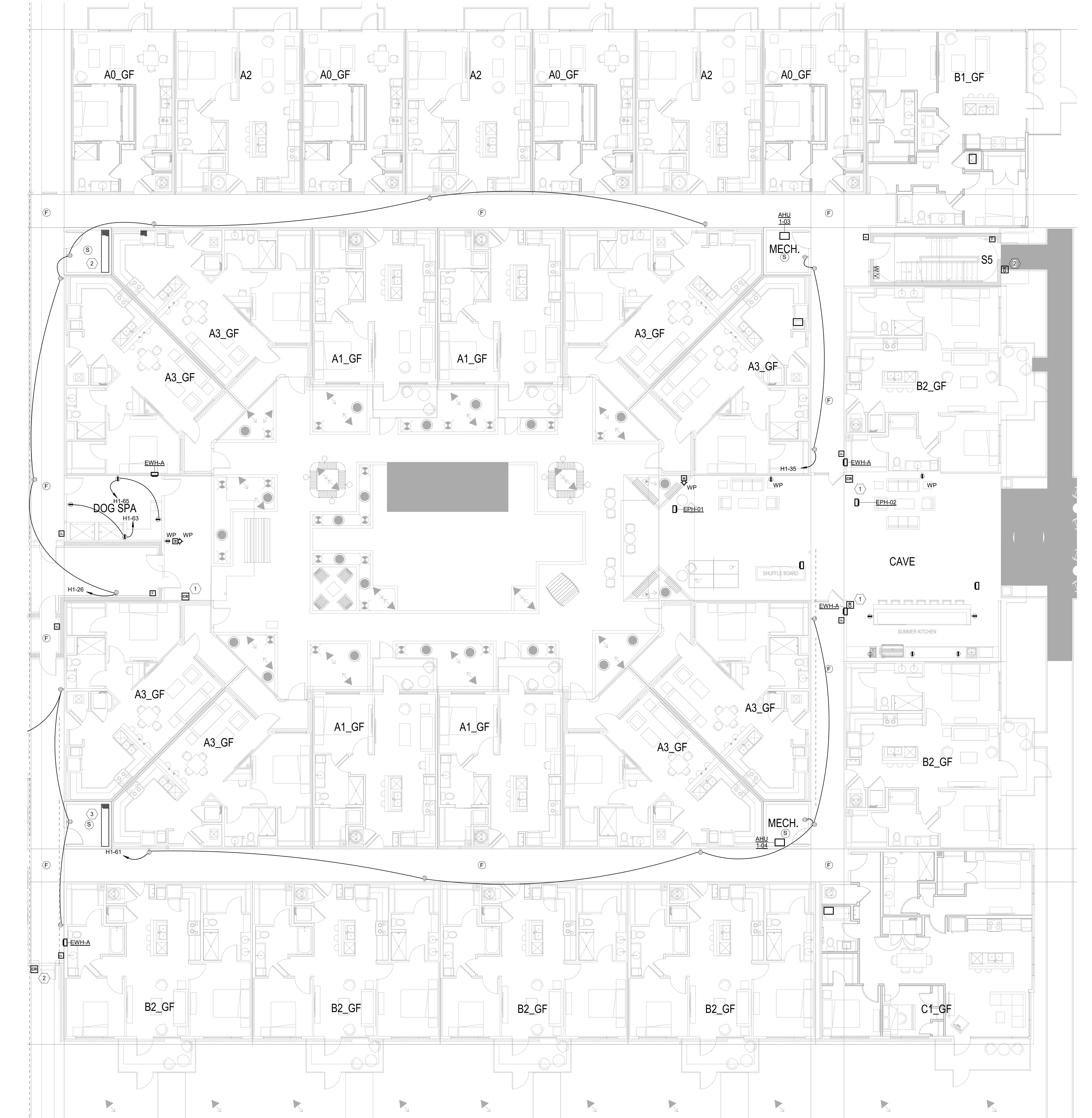


## GENERAL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
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- REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
- ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 90 DEGREES AND ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- PROVIDE UL-LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
- ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

## KEY NOTES

- CARD READER. PROVIDE JUNCTION BOX WHERE SHOWN. INTERFACE WITH DOOR HARDWARE. PROVIDE ALL NECESSARY POWER/LOW-VOLTAGE TRANSFORMERS.
- PROVIDE (51) CONDUITS GOING UP VERTICAL CHASE TO 2ND FLOOR TO FEED UNITS ON FLOORS ABOVE.
- PROVIDE (39) CONDUITS GOING UP VERTICAL CHASE TO 2ND FLOOR TO FEED UNITS ON FLOORS ABOVE.

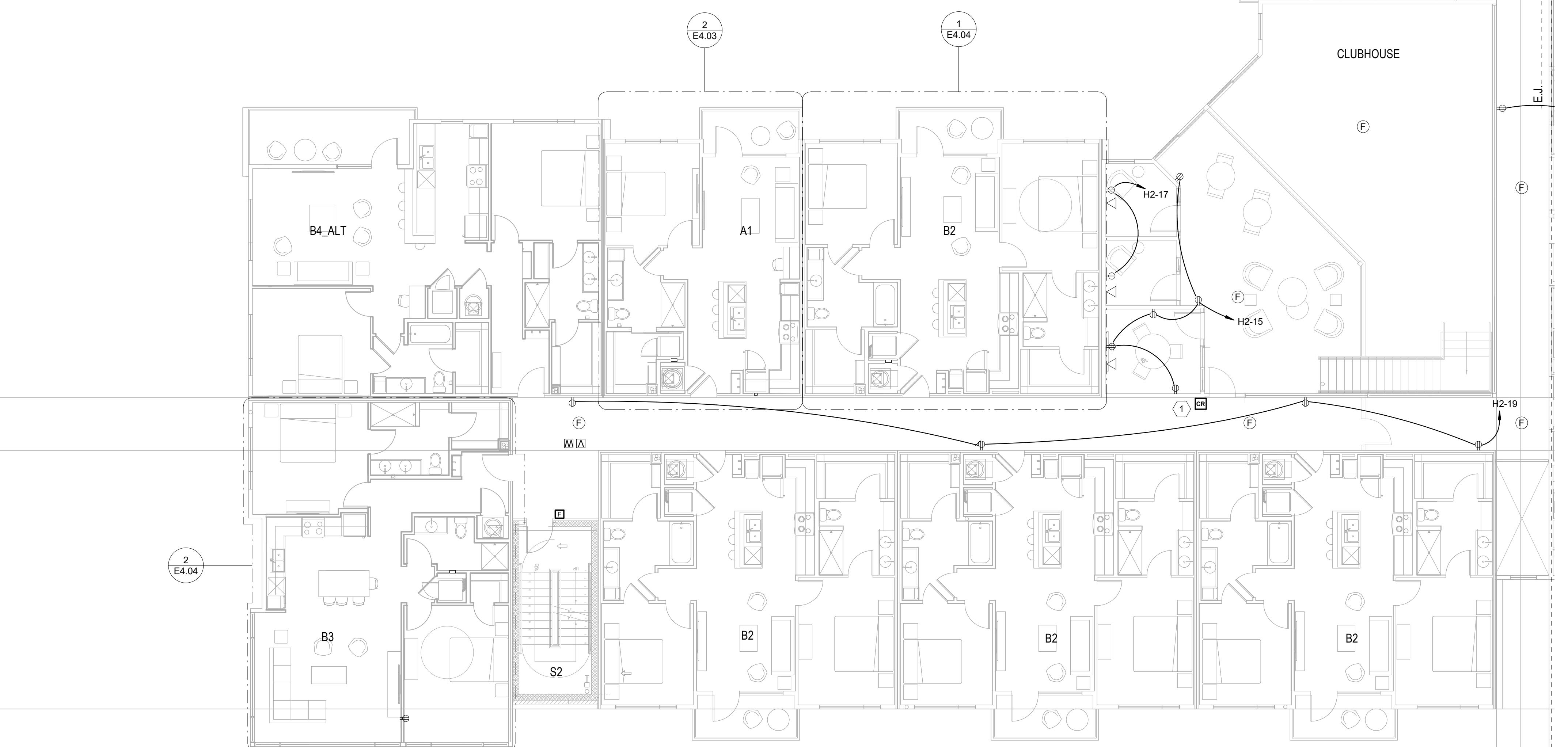
1 GROUND FLOOR ELECTRICAL - SECTOR 3  
E3.13 1/8" = 1'-0"

## GENERAL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLAN IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE SPECIFICATIONS AND THE PLAN, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
- ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 90 DEGREES AND AS NECESSARY TO ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- PROVIDE UL-LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
- ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

## KEY NOTES

- CARD READER. PROVIDE JUNCTION BOX WHERE SHOWN. INTERFACE WITH DOOR HARDWARE. PROVIDE ALL NECESSARY POWERLOW-VOLTAGE TRANSFORMERS.
- FLUSH FLOOR BOX FOR POWER. DOUBLE GANG WITH CAPACITY FOR ONE (1) DUPLEX RECEPTACLE AND TWO (2) CAT5 JACKS TRENCHED IN SLAB. PROVIDE WIREMOLD IRR-B4 OR EQUAL.
- PROVIDE (44) CONDUITS GOING UP VERTICAL CHASE TO 3RD FLOOR TO FEED UNITS ON FLOORS ABOVE.
- CONFIRM LAYOUT OF EQUIPMENT WITH OWNER AND VENDOR PRIOR TO INSTALLATION OF EQUIPMENT.

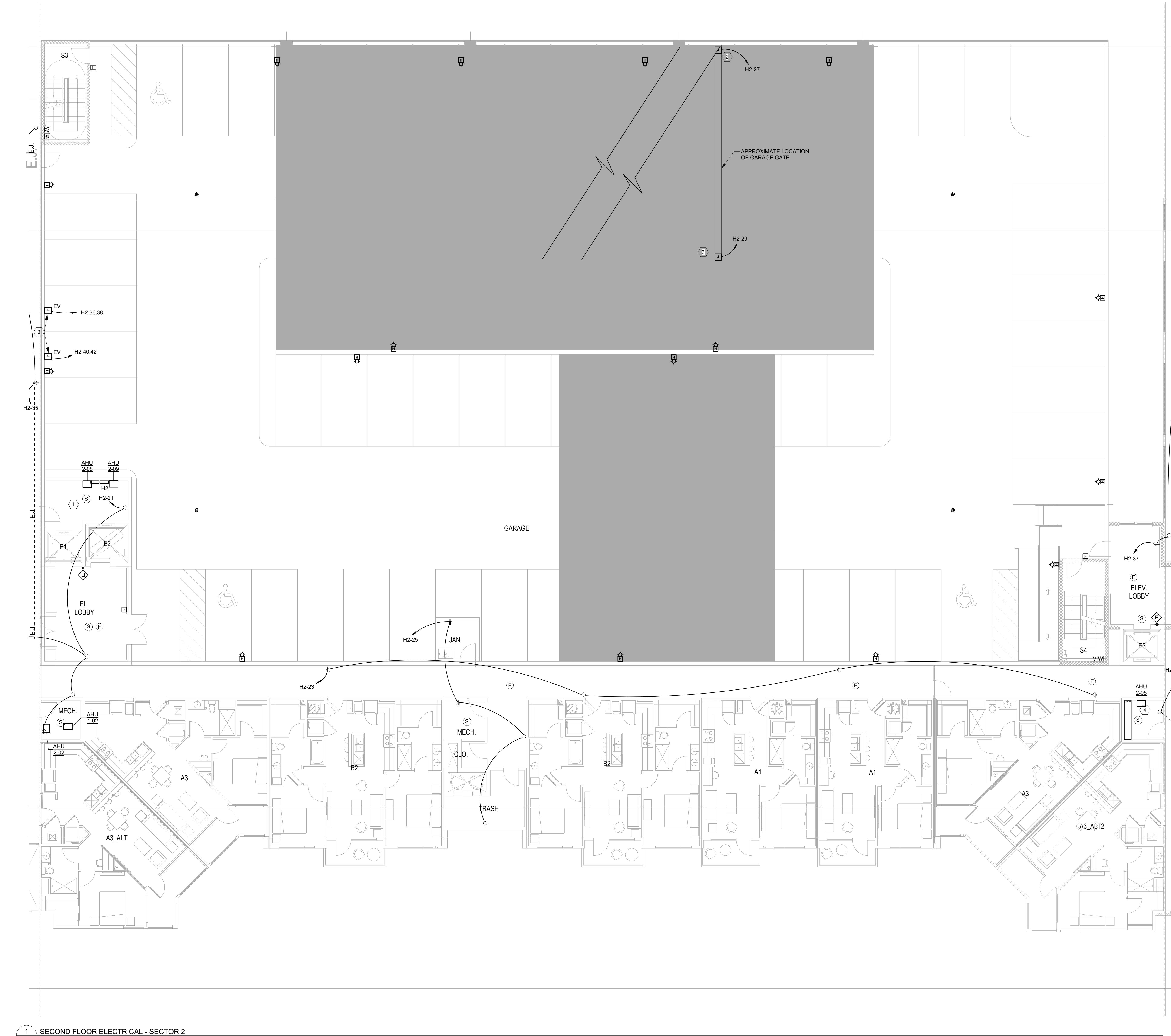
1 SECOND FLOOR ELECTRICAL - SECTOR 1  
E3.21 NOT TO SCALE

## GENERAL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLAN IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE SPECIFICATIONS AND THE PLAN, MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
- ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 90 DEGREES AND ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- PROVIDE UL-LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
- ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

## KEY NOTES

- SECOND FLOOR BASE BUILDING ELECTRICAL ROOM.
- PROVIDE POWER FOR MOTORIZED GATES. COORDINATE EXACT LOCATION WITH OWNER AND ARCHITECT.
- PROVIDE TWO (2) 208V/10, 50A BRANCH CIRCUITS TO SINGLE ELECTRIC VEHICLE CHARGING STATION. EACH SET OF CONDUCTORS SHALL CONSIST OF 2/4 #10G-1 1/4°C BRANCH CIRCUIT WIRING. COORDINATE ALL REQUIREMENTS WITH EQUIPMENT PROVIDER.
- PROVIDE (16) CONDUITS GOING UP VERTICAL CHASE TO 3RD FLOOR TO FEED UNITS ON FLOORS ABOVE.



## GENERAL NOTES:

1. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
2. SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLAN IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE SPECIFICATIONS AND THE PLAN, MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
3. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
4. ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
5. ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 90 DEGREES AND AS NECESSARY COORDINATE WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
6. PROVIDE UL-LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
7. ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

## KEY NOTES

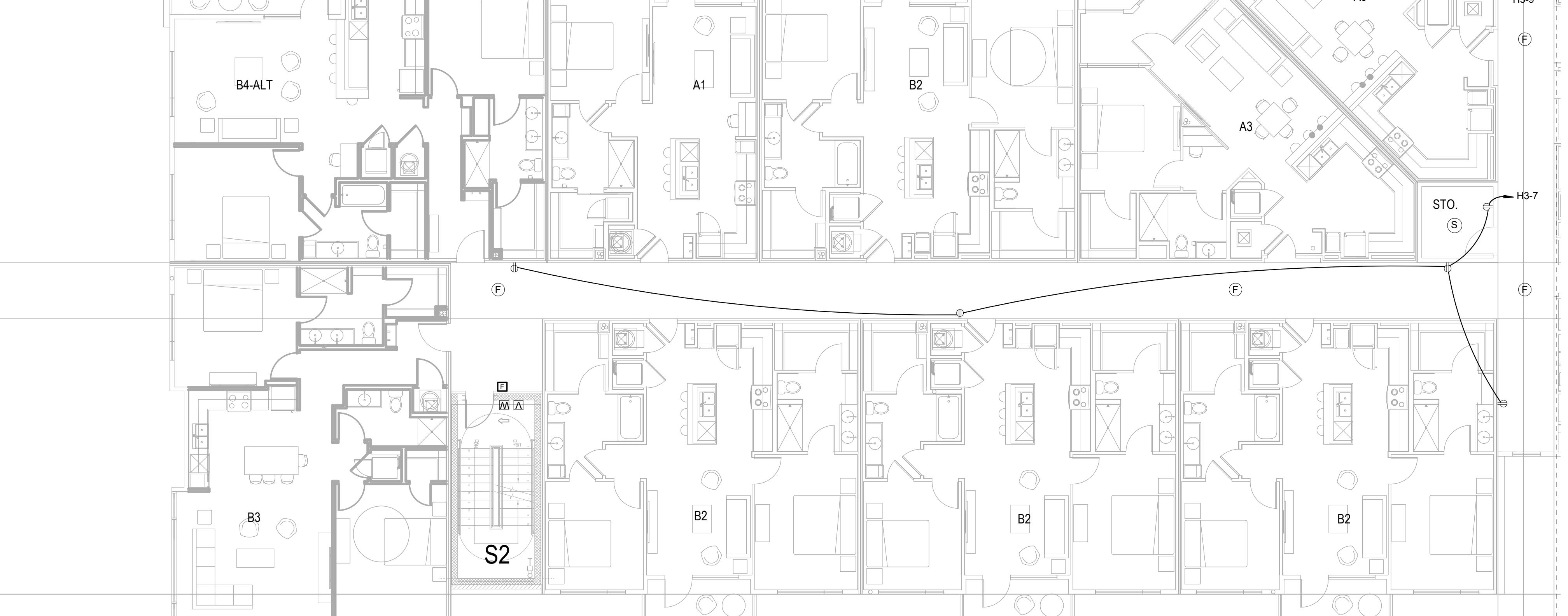
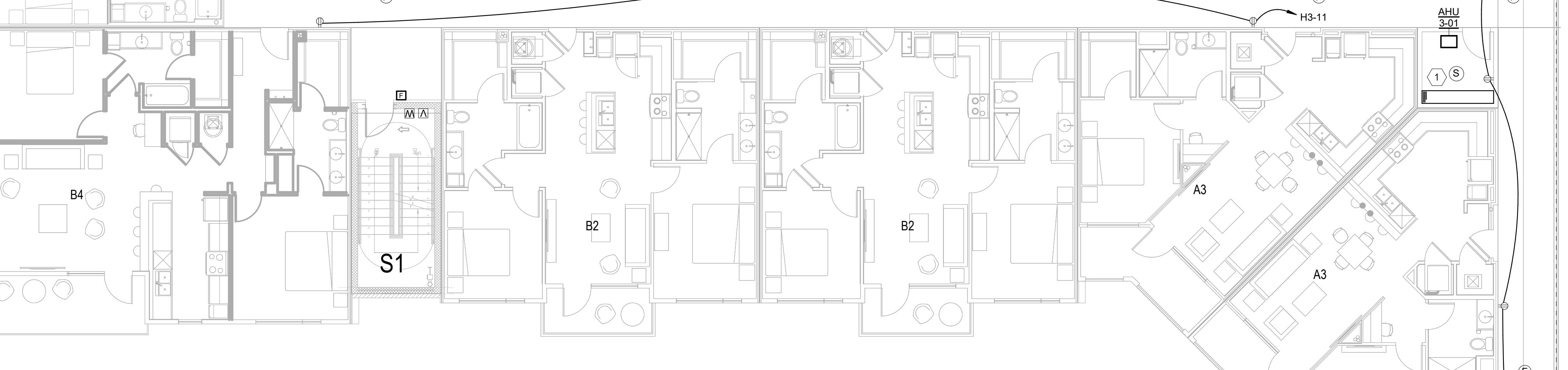
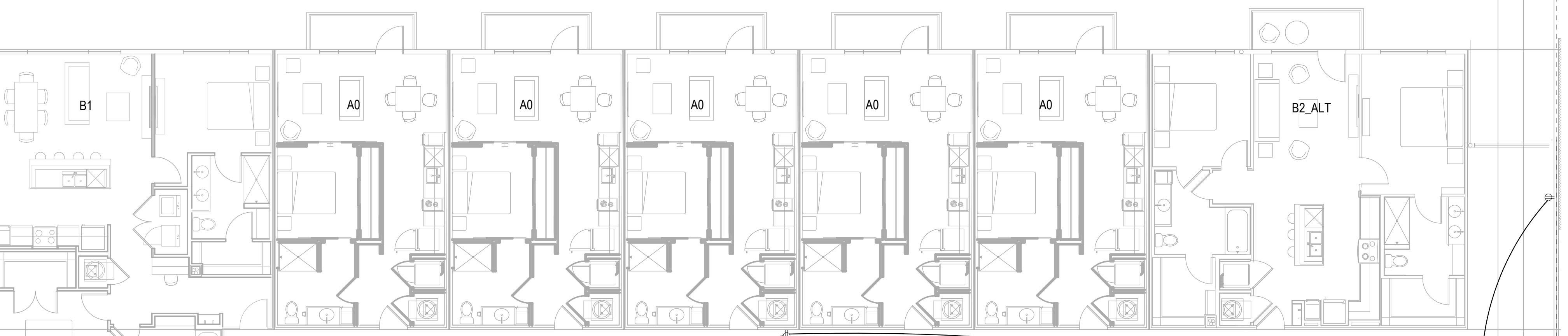
- 1 PROVIDE (34) CONDUITS GOING UP VERTICAL CHASE TO 3RD FLOOR TO FEED UNITS ON FLOORS ABOVE.
- 2 PROVIDE (26) CONDUITS GOING UP VERTICAL CHASE TO 3RD FLOOR TO FEED UNITS ON FLOORS ABOVE.



1 SECOND FLOOR ELECTRICAL - SECTOR 3  
 NOT TO SCALE  
 E3.23

## GENERAL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLAN IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE REQUIREMENTS SPECIFIED IN THE PLANS AND THE REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
- ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
- ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 90 DEGREES AND AS NECESSARY COORDINATE WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
- PROVIDE UL-LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
- ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

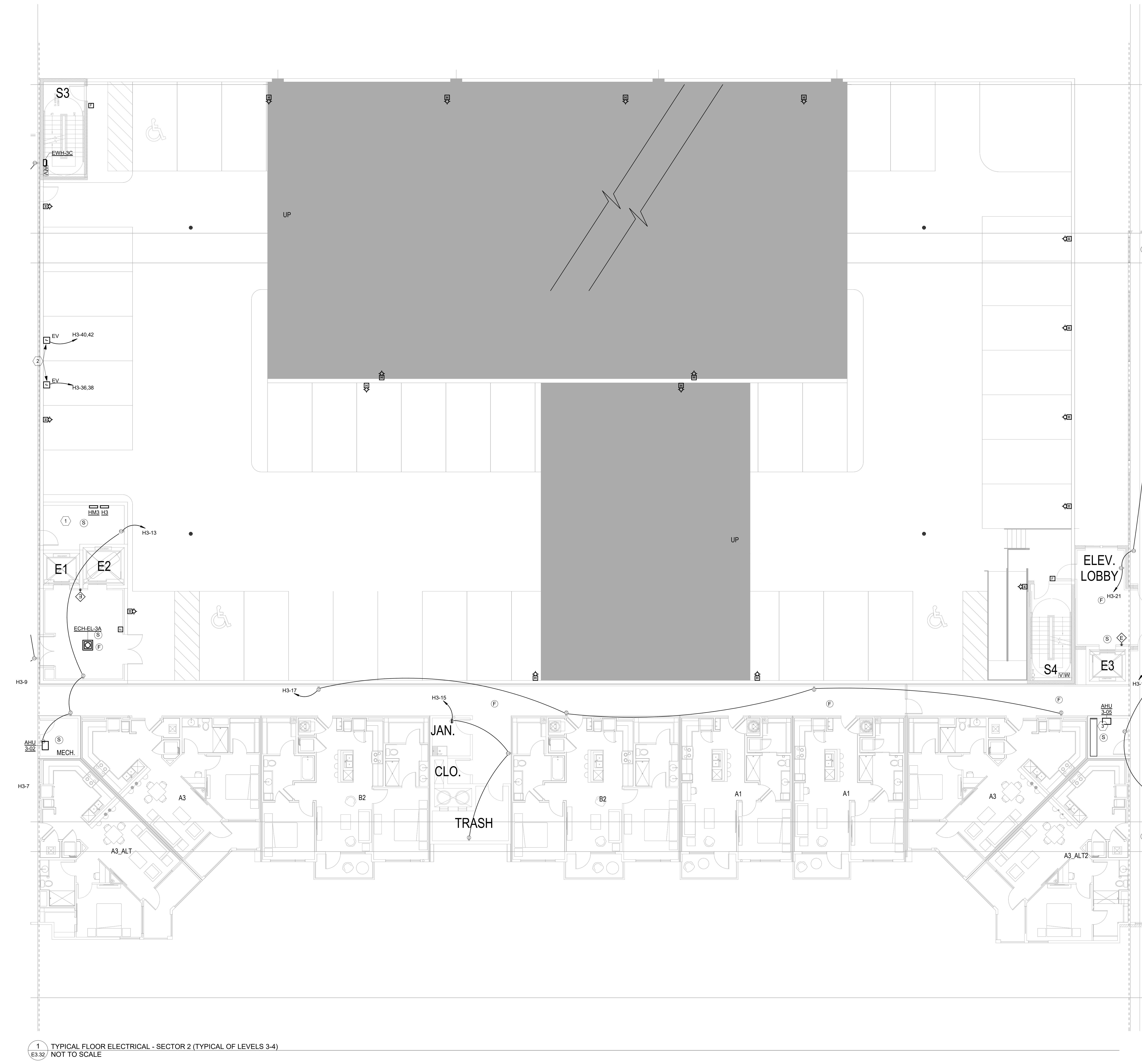


## GENERAL NOTES:

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- PROVIDE UL-LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
- ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

## KEY NOTES

- 1 TYPICAL FLOOR BASE BUILDING ELECTRICAL ROOM. PANEL H4 PROVIDED ON THE 4TH FLOOR. SEE PANEL SCHEDULE ON SHEET E6.03
- 2 PROVIDE TWO (2) 208V/10,60A BRANCH CIRCUITS TO SINGLE ELECTRIC VEHICLE CHARGING STATION. EACH SET OF CONDUCTORS SHALL CONSIST OF 2/4, #10G - 1 1/4" C BRANCH CIRCUIT WIRING. COORDINATE ALL REQUIREMENTS WITH EQUIPMENT PROVIDER. PROVIDE A NEMA 3R RATING ENCLOSURE FOR THE CHARGING STATIONS ON THE 4TH FLOOR PARKING DECK.
- 3 PROVIDE (8) CONDUITS GOING UP VERTICAL CHASE TO 4TH FLOOR TO FEED UNITS ON FLOORS ABOVE.



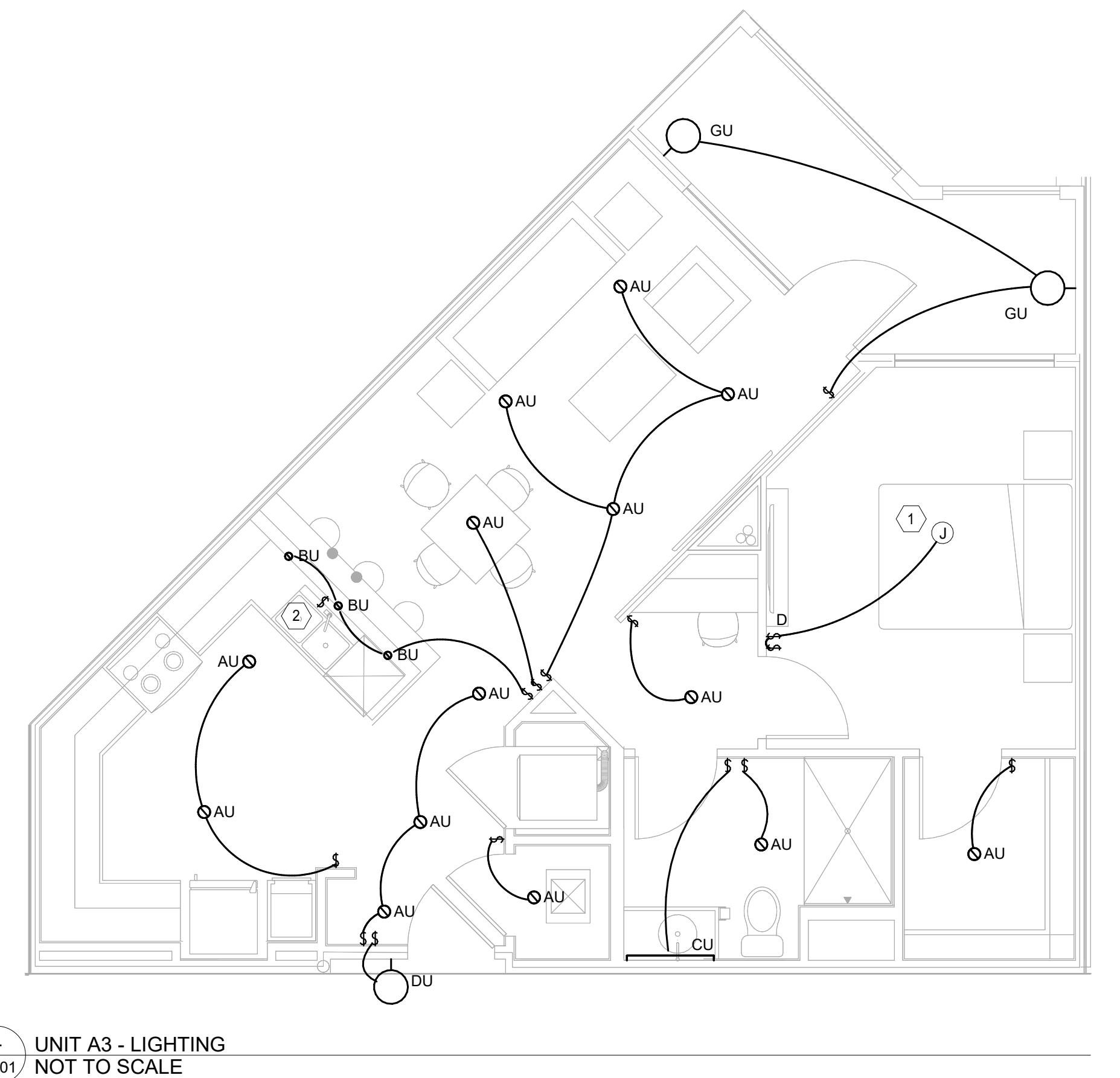
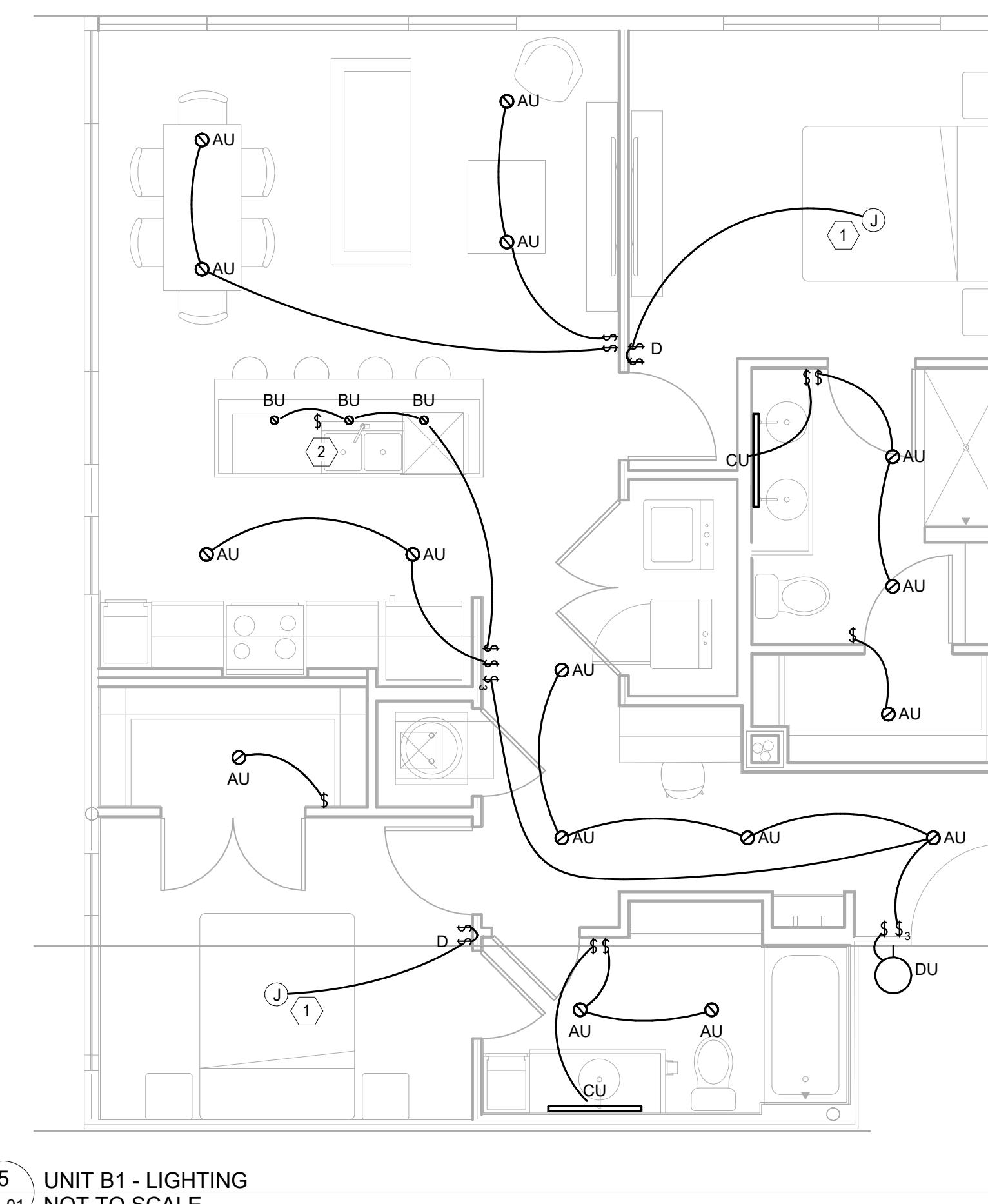
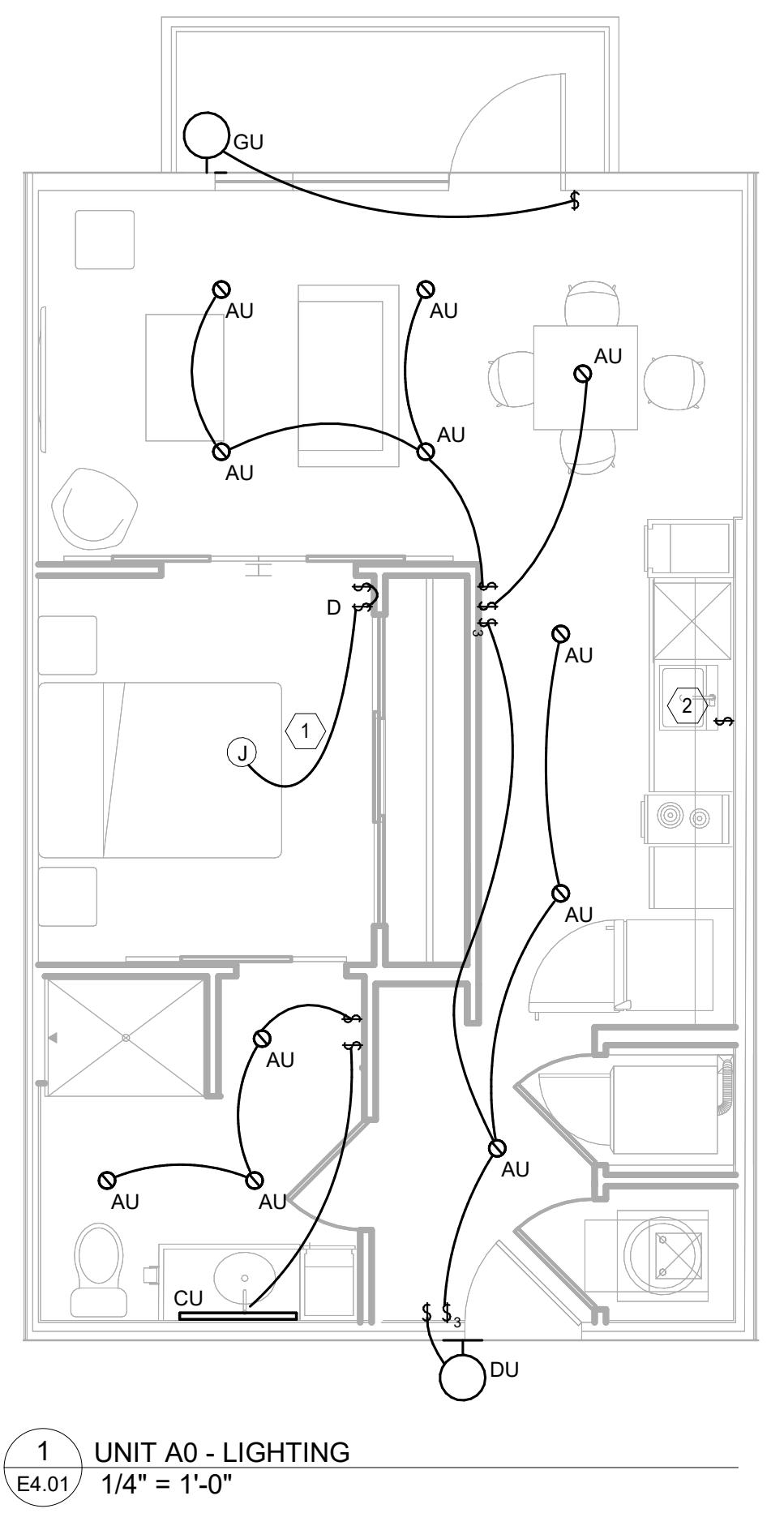
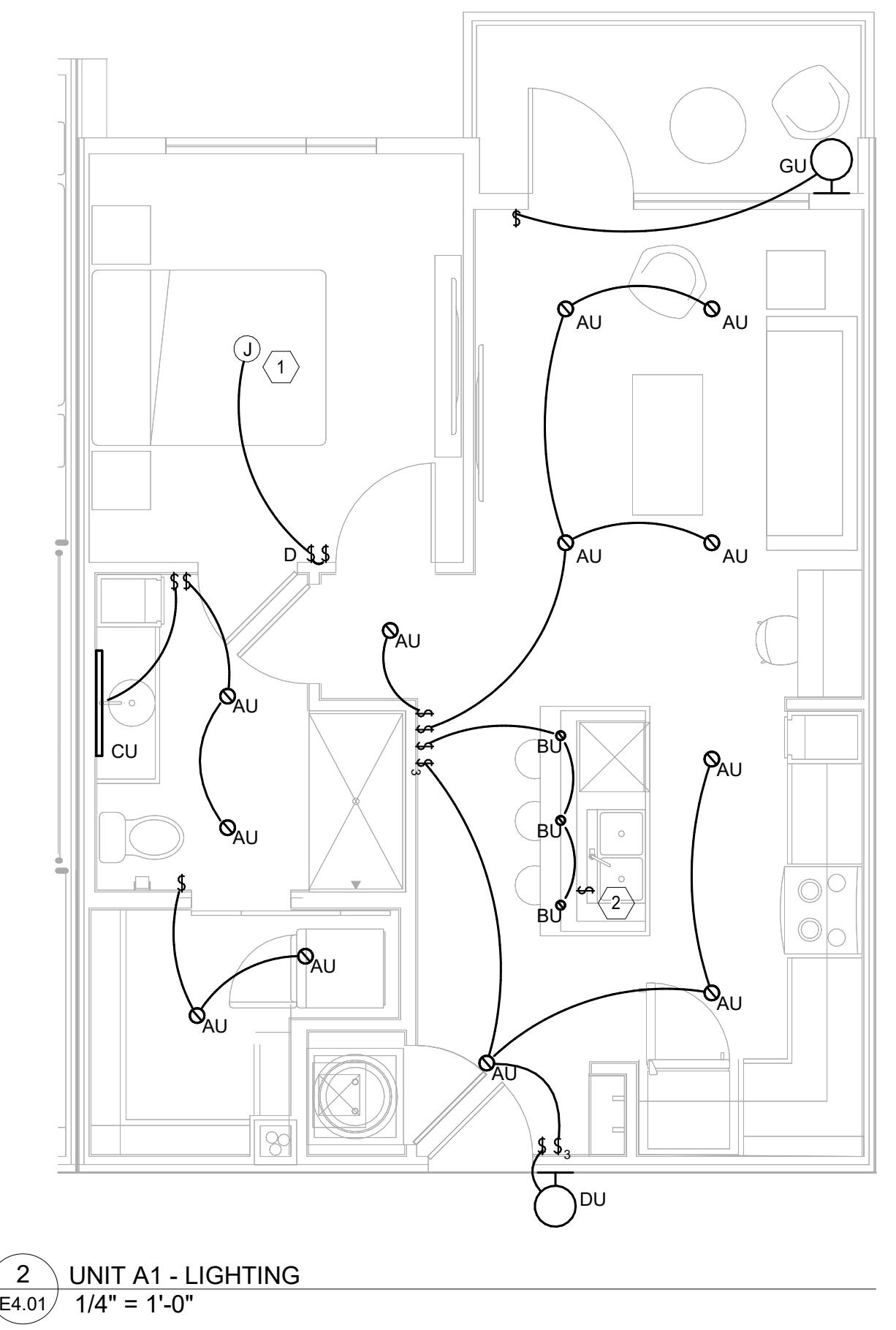
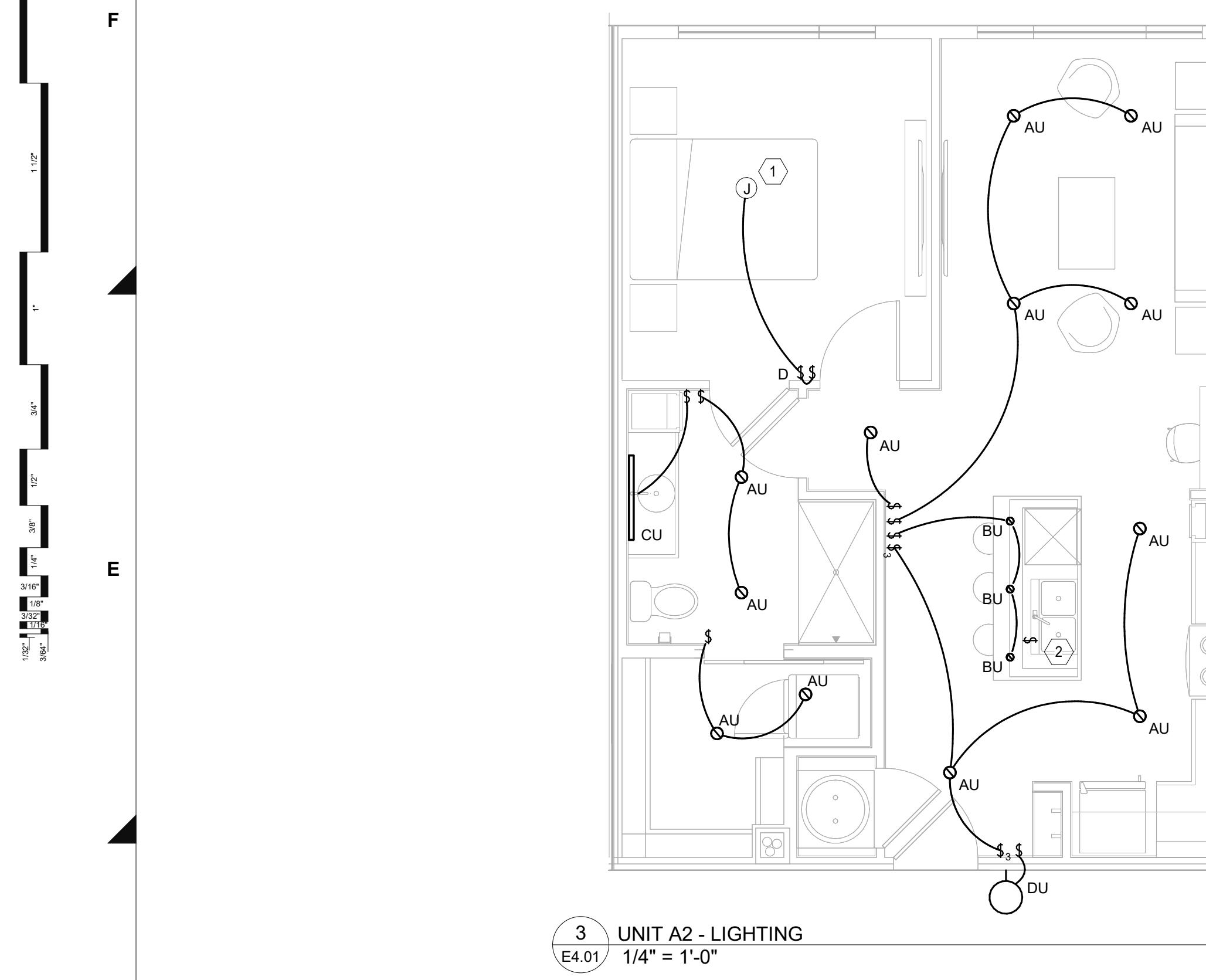
## GENERAL NOTES:

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3. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
4. ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
5. ALL OVERHEAD CONDUIT WHERE CEILING IS OPEN TO STRUCTURE SHALL BE TYPE EMT AND ROUTED IN A NEAT, WORKMANLIKE MANNER AT 30 DEGREES AND ENSURE COORDINATION WITH OTHER TRADES TO MINIMIZE CONFLICT AND APPEARANCE.
6. PROVIDE UL LISTED JUNCTION BOXES FOR NEW POWER AND COMMUNICATION OUTLETS WITHIN FIRE RATED ASSEMBLIES.
7. ALL AV AND LOW VOLTAGE BACKBOX LOCATIONS SHOWN SHALL BE COORDINATED WITH EQUIPMENT VENDORS PRIOR TO INSTALLATION.

## KEY NOTES

1. PROVIDE (17) CONDUITS GOING UP VERTICAL CHASE TO 4TH FLOOR TO FEED UNITS ON FLOORS ABOVE.
2. PROVIDE (13) CONDUITS GOING UP VERTICAL CHASE TO 4TH FLOOR TO FEED UNITS ON FLOORS ABOVE.

1 TYPICAL FLOOR ELECTRICAL - SECTOR 3 (TYPICAL OF LEVELS 3-4)  
E3.33 NOT TO SCALE

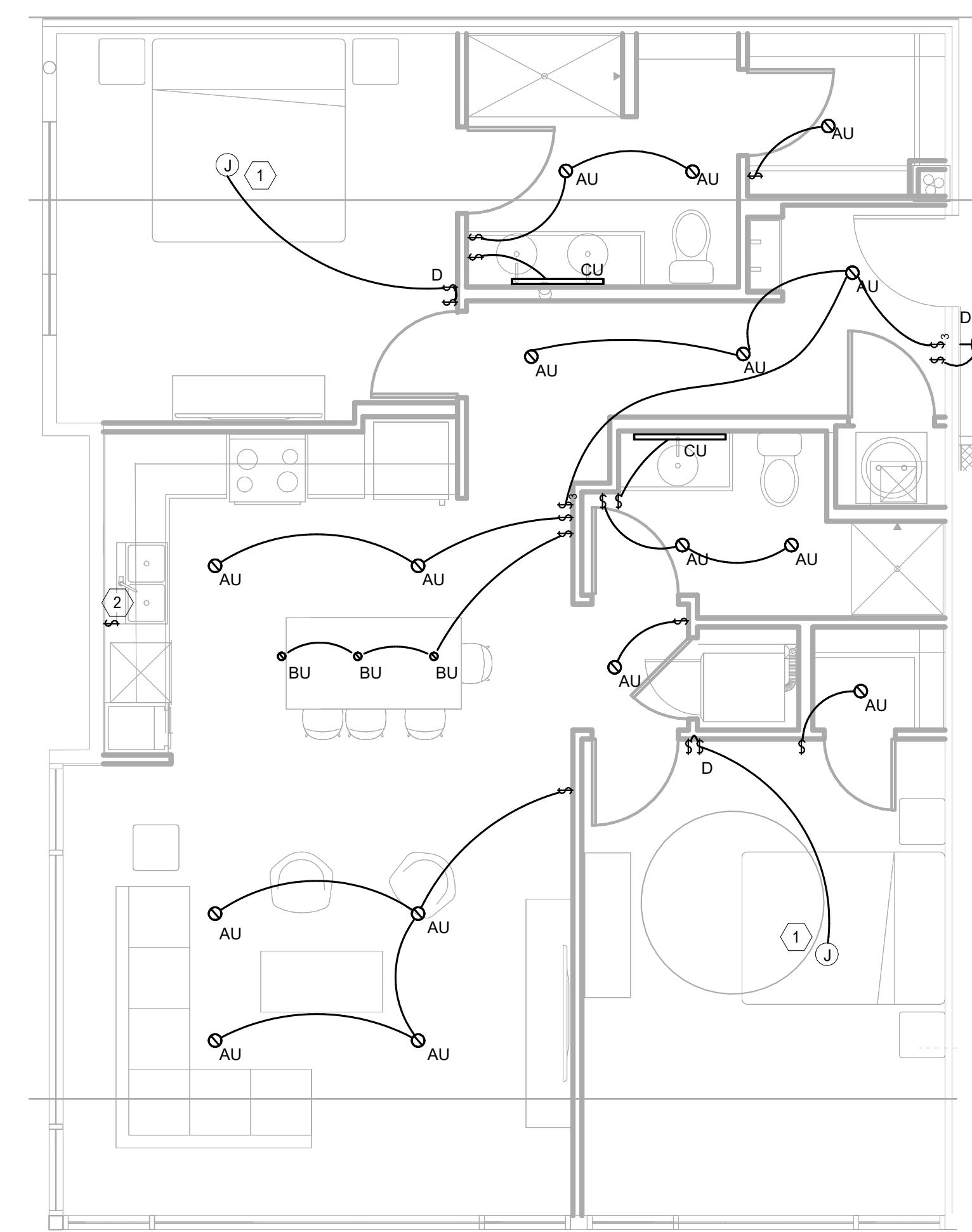


## GENERAL NOTES:

1. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
2. SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLANS IS REQUIRED THE SAME AS IS REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE PLANS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
3. REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
4. ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
5. PROVIDE TYPEWRITTEN PANEL SCHEDULES IN ALL PANELBOARDS.
6. CONTRACTOR SHALL EXTRAPOLATE THE ELECTRICAL AND LIGHTING LAYOUT FOR EACH UNIT SHOWN AND APPLY THEM TO THE UNIT ALT TYPES.
7. ALL LIGHTS WITHIN UNITS TO BE WIRED TO 20A/120 CIRCUIT. "21" SERVING THE INDIVIDUAL UNITS UNLESS NOTED OTHERWISE. SEE PANEL SCHEDULES ON SHEET E6.04 FOR MORE INFORMATION.

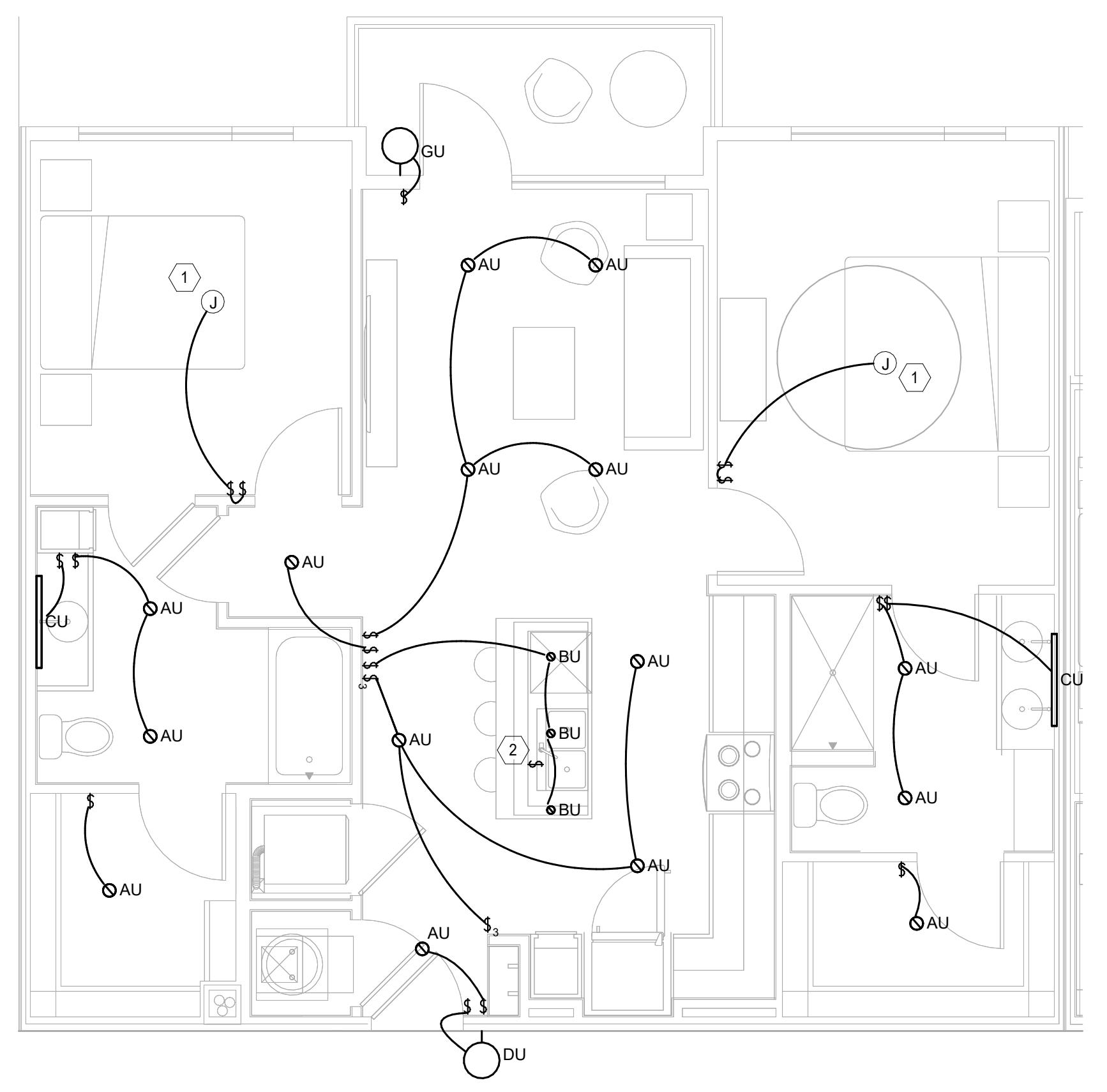
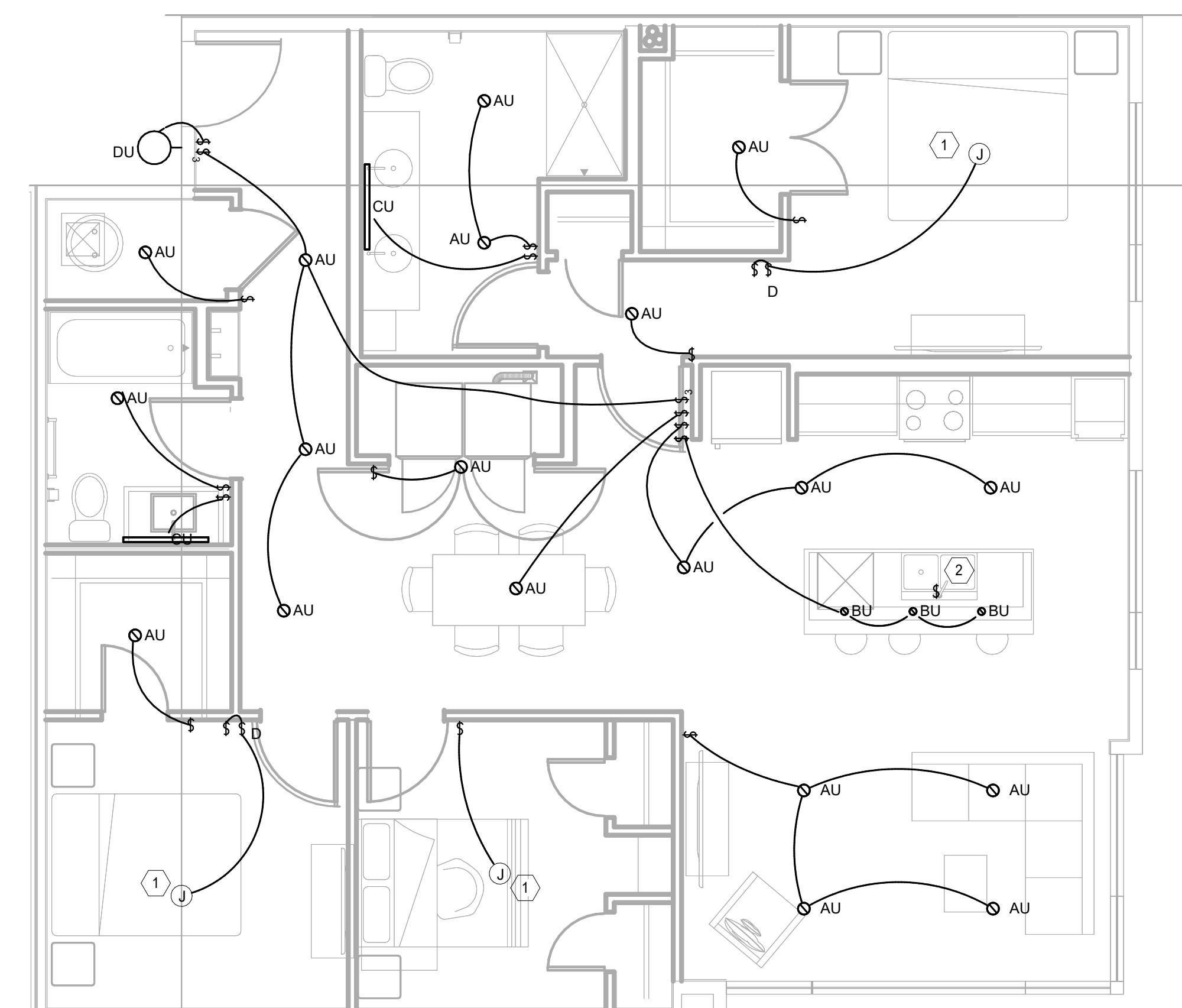
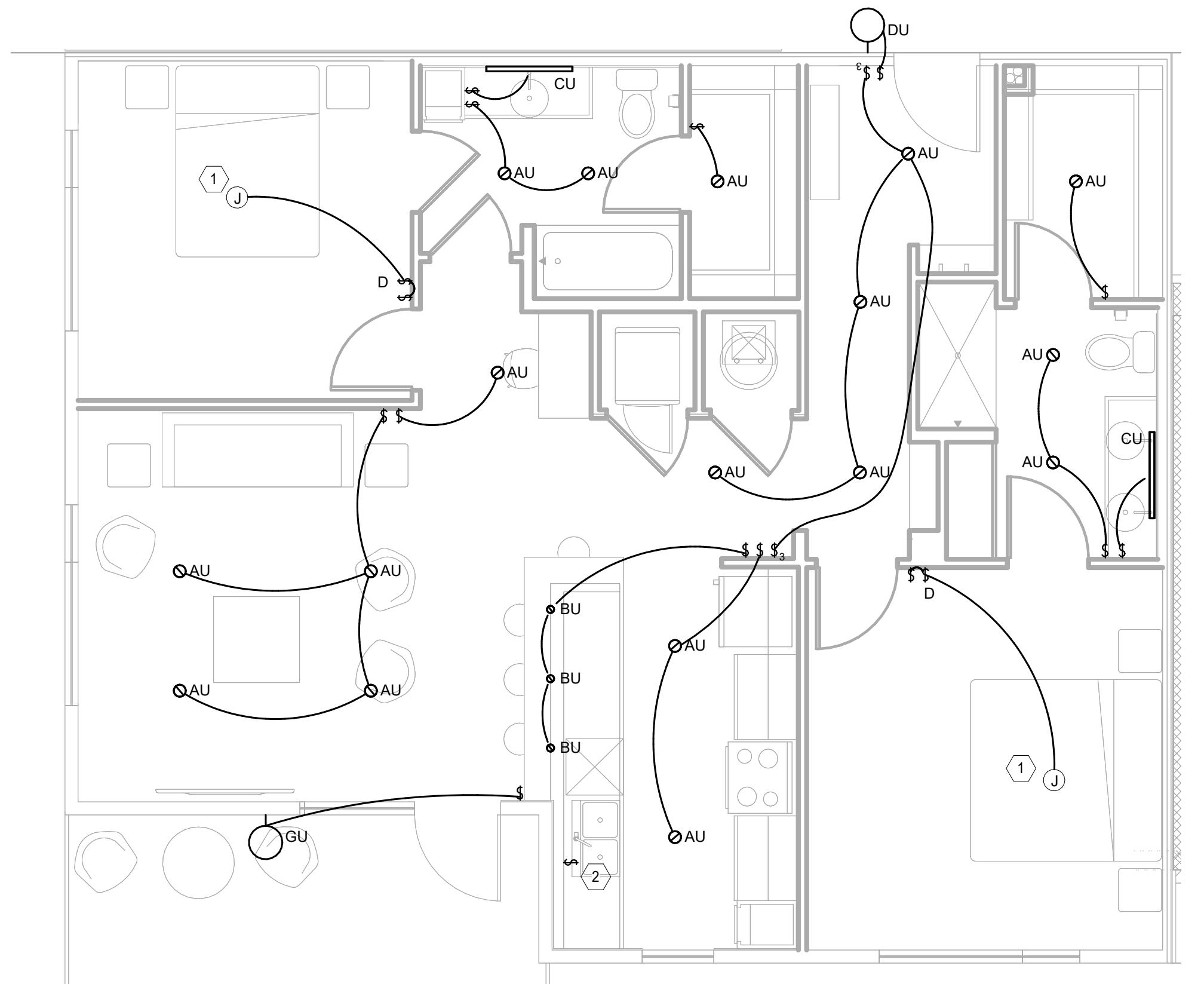
## KEY NOTES

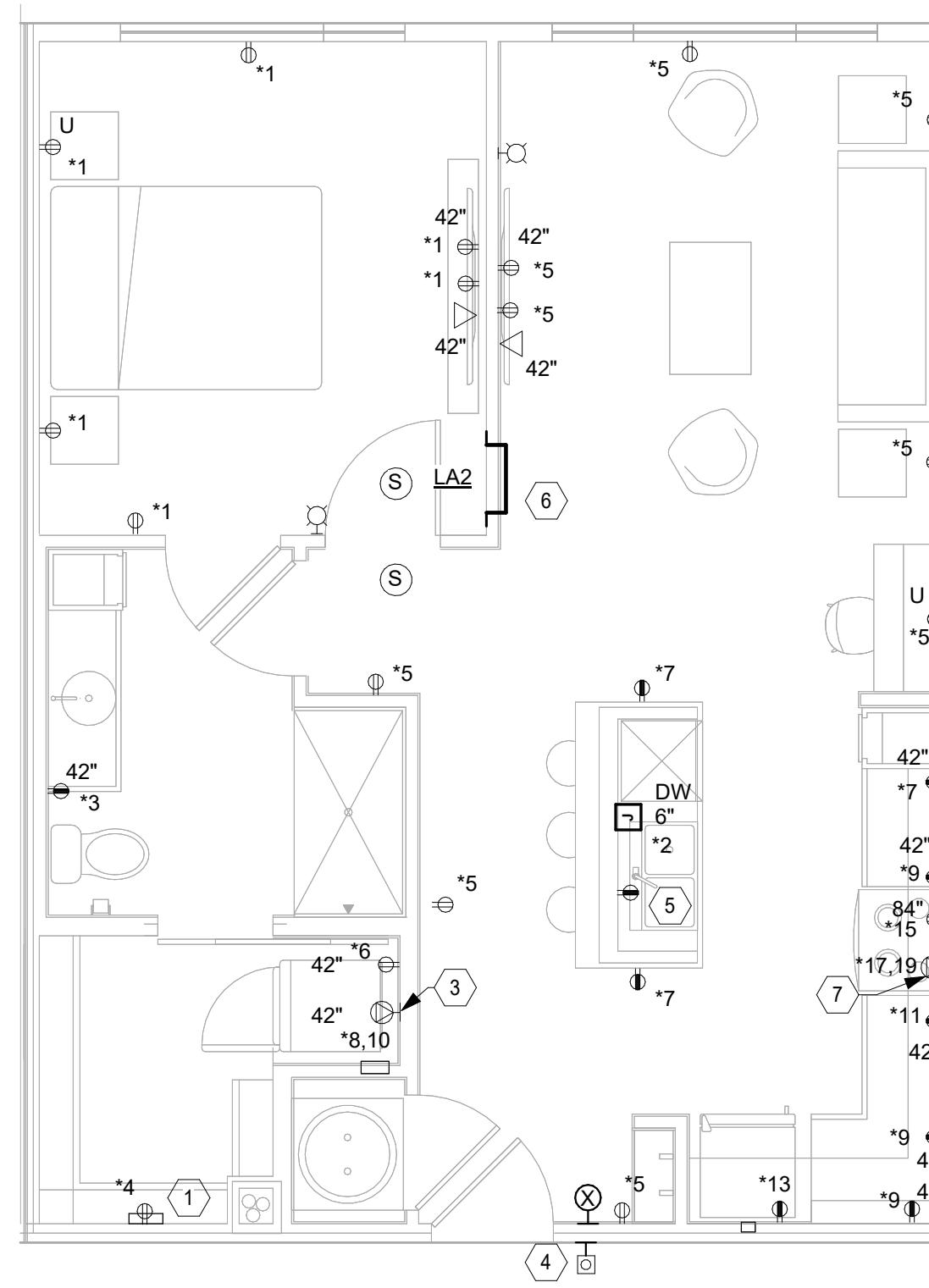
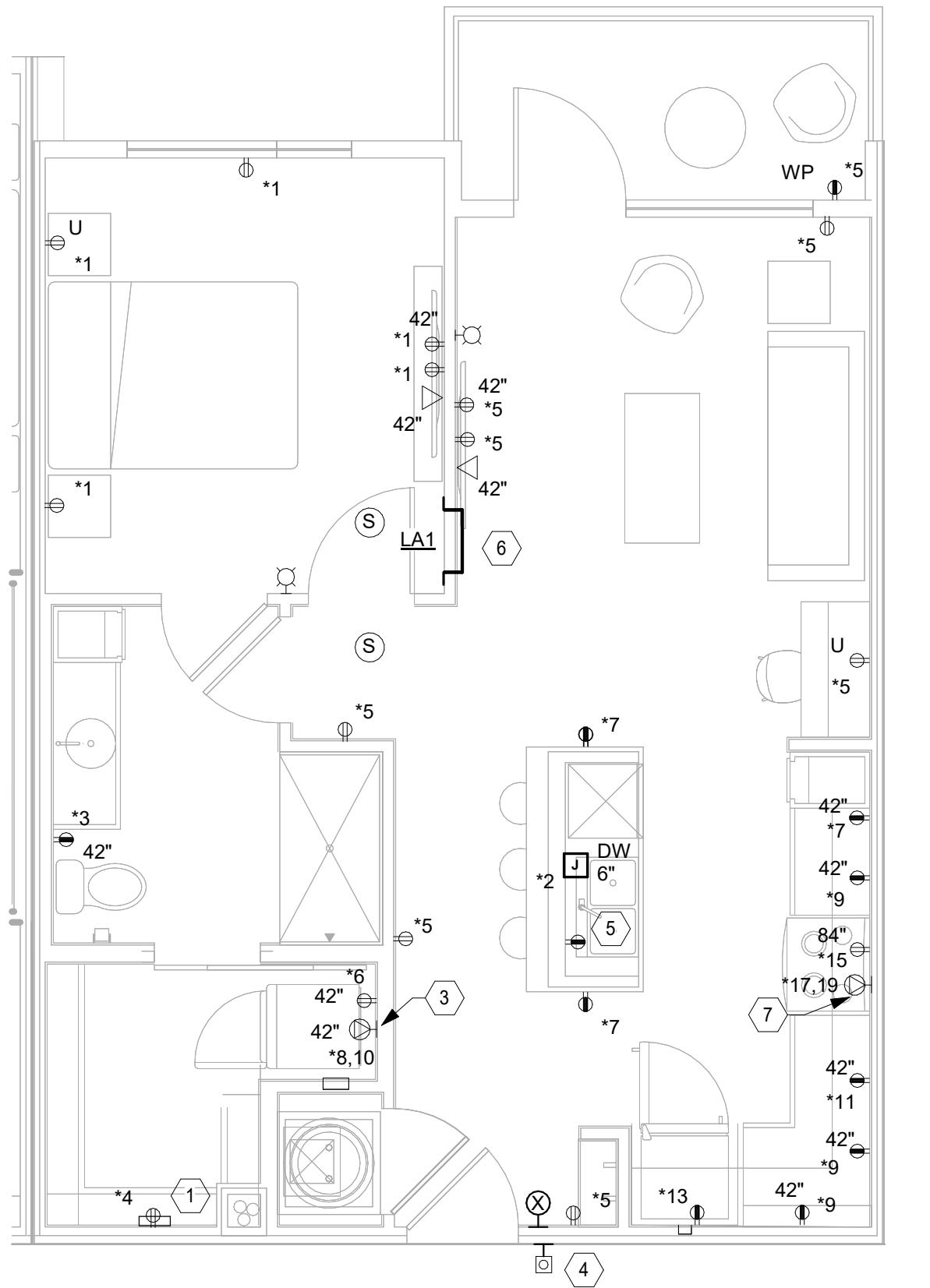
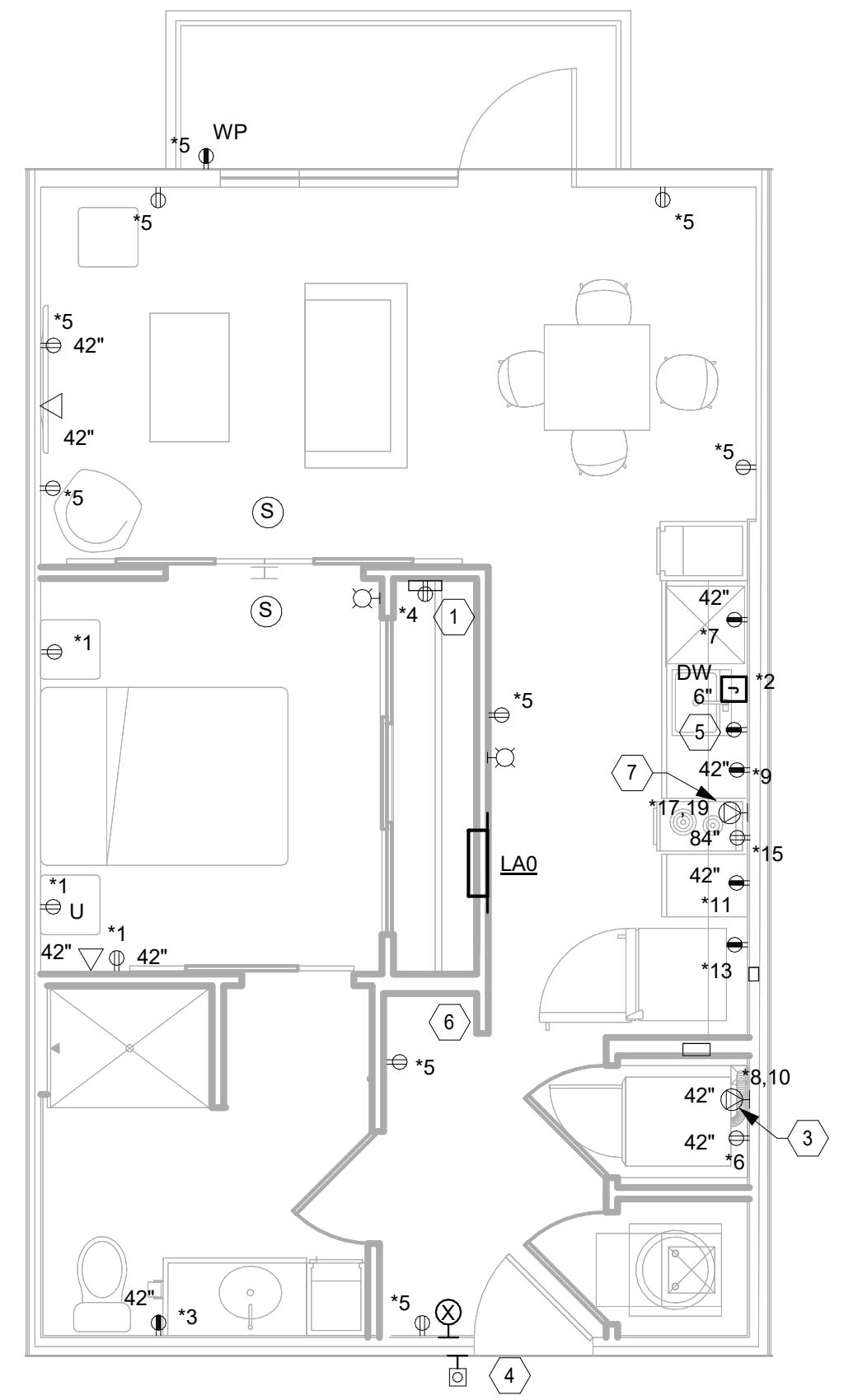
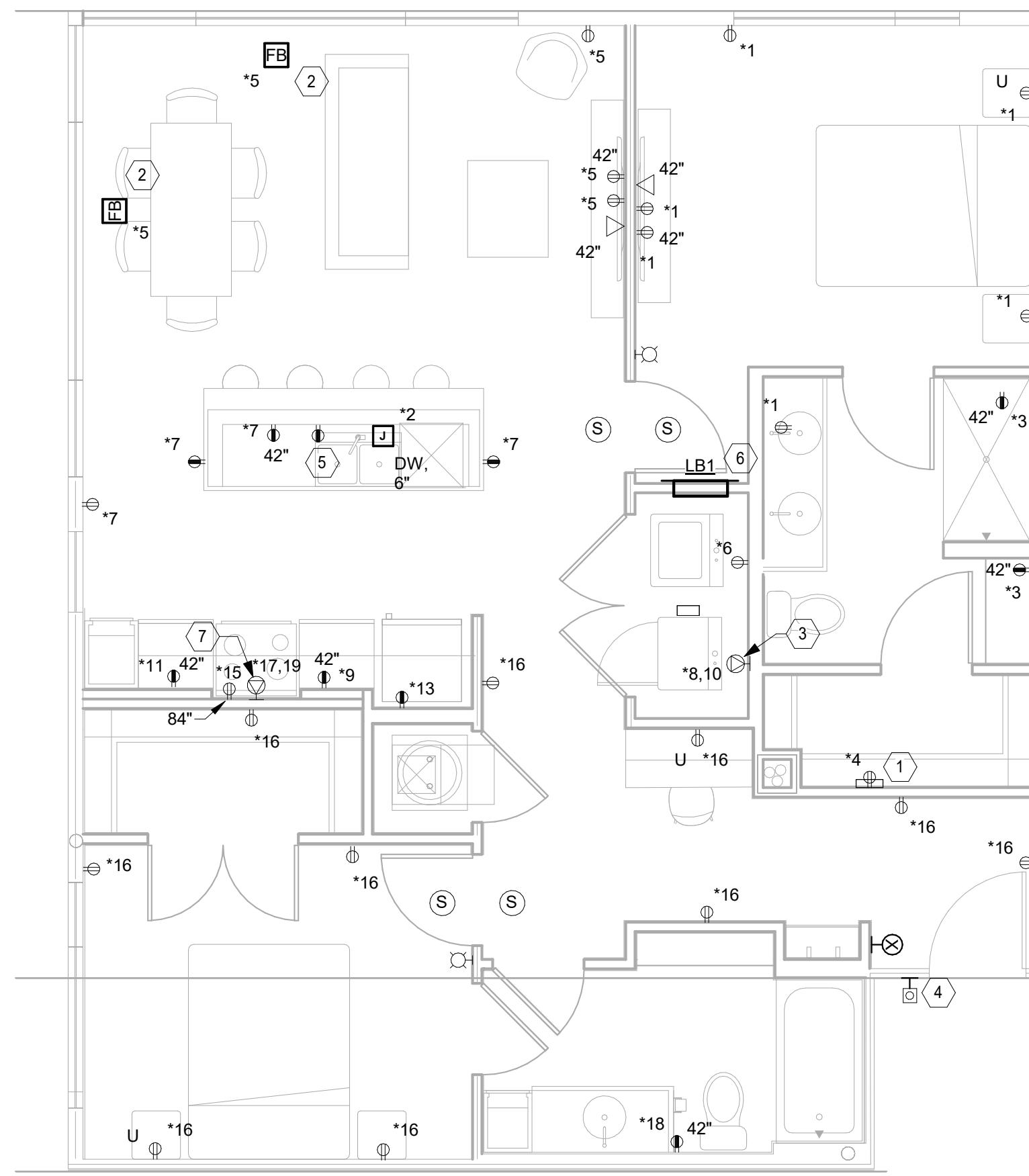
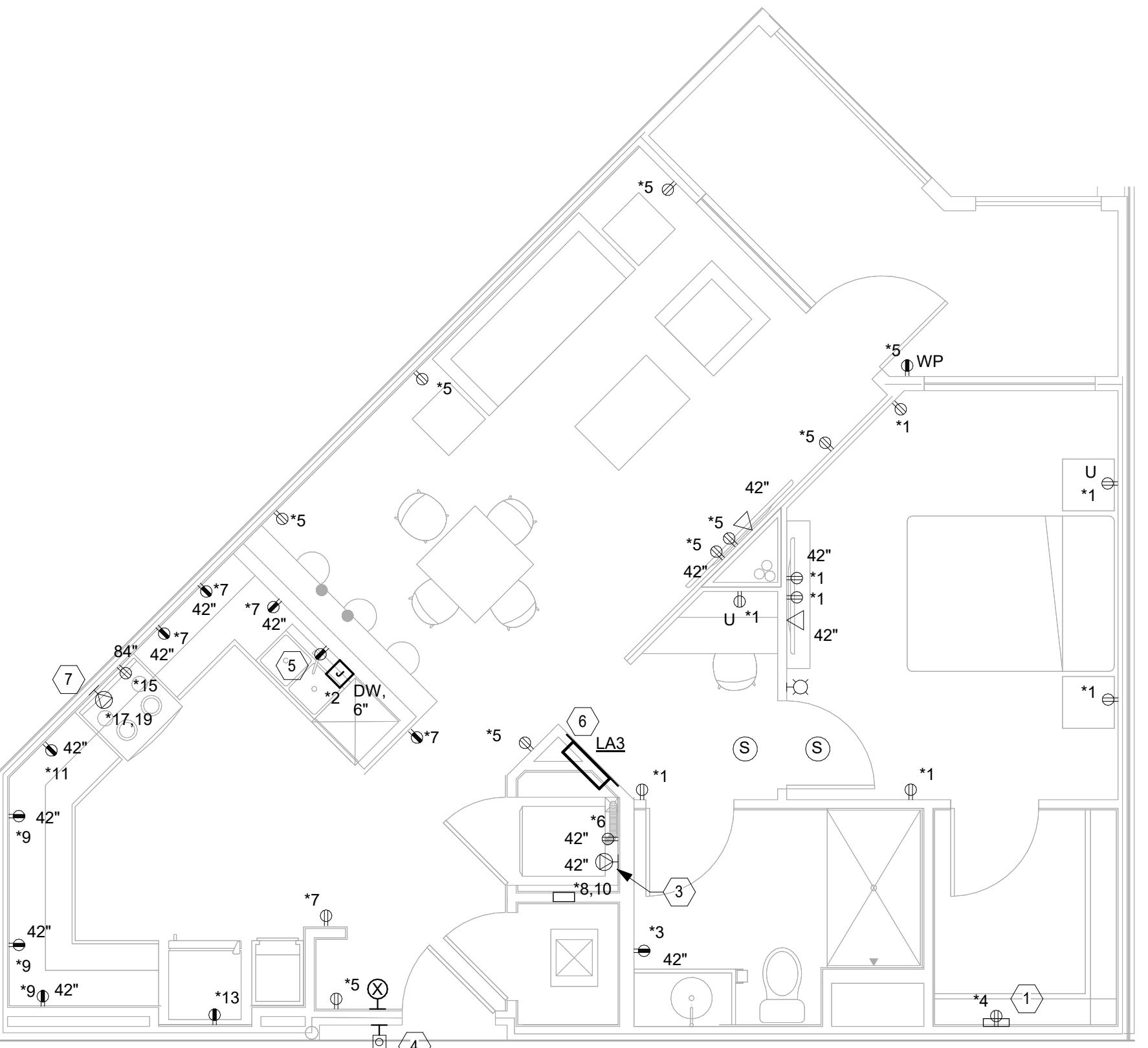
(1) PROVIDE JUNCTION BOX FOR CEILING FANLIGHT COMBO. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS.  
(2) COUNTER-TOP MOUNTED AIR SWITCH FOR GARBAGE DISPOSAL. COORDINATE ELECTRICAL CONNECTIONS WITH MANUFACTURER.

2 UNIT B3 - LIGHTING  
E4.02 1/4" = 1'-0"

## GENERAL NOTES:

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT. CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH NAMEPLATE DATA OF ACTUAL EQUIPMENT PROVIDED.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS BY BOTH; WHERE A CONFLICT EXISTS BETWEEN THE PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ARCHITECT/ENGINEER.
- REFER TO ARCHITECTURAL DRAWINGS FOR COLOR OF ALL COVER PLATES AND OUTLET DEVICES.
- ELECTRICAL ROUGH-IN BOXES SHALL NOT BE LOCATED BACK-TO-BACK. ELECTRICAL BOXES ON OPPOSITE SIDE OF THE SAME WALL SHALL NOT BE PLACED WITHIN THE SAME STUD BAY.
- PROVIDE TYPEWRITTEN PANEL SCHEDULES IN ALL PANELBOARDS.
- CONTRACTOR SHALL EXTRAPOLATE THE ELECTRICAL AND LIGHTING LAYOUT FOR EACH UNIT SHOWN AND APPLY THEM TO THE UNIT ALT TYPES.
- ALL LIGHTS WITHIN UNITS TO BE WIRED TO 20A/12 CIRCUIT, "21" SERVING THE INDIVIDUAL UNITS UNLESS NOTED OTHERWISE. SEE PANEL SCHEDULES ON SHEET E5.04 FOR MORE INFORMATION.

1 UNIT B2 - LIGHTING  
E4.02 1/4" = 1'-0"4 UNIT C1 - LIGHTING  
E4.02 1/4" = 1'-0"3 UNIT B4 - LIGHTING  
E4.02 1/4" = 1'-0"

3 UNIT A2 - ELECTRICAL  
E4.03 1/4" = 1'-0"2 UNIT A1 - ELECTRICAL  
E4.03 1/4" = 1'-0"1 UNIT A0 - ELECTRICAL  
E4.03 1/4" = 1'-0"5 UNIT B1 - ELECTRICAL  
E4.03 1/4" = 1'-0"4 UNIT A3 - ELECTRICAL  
E4.03 1/4" = 1'-0"

## REVISIONS

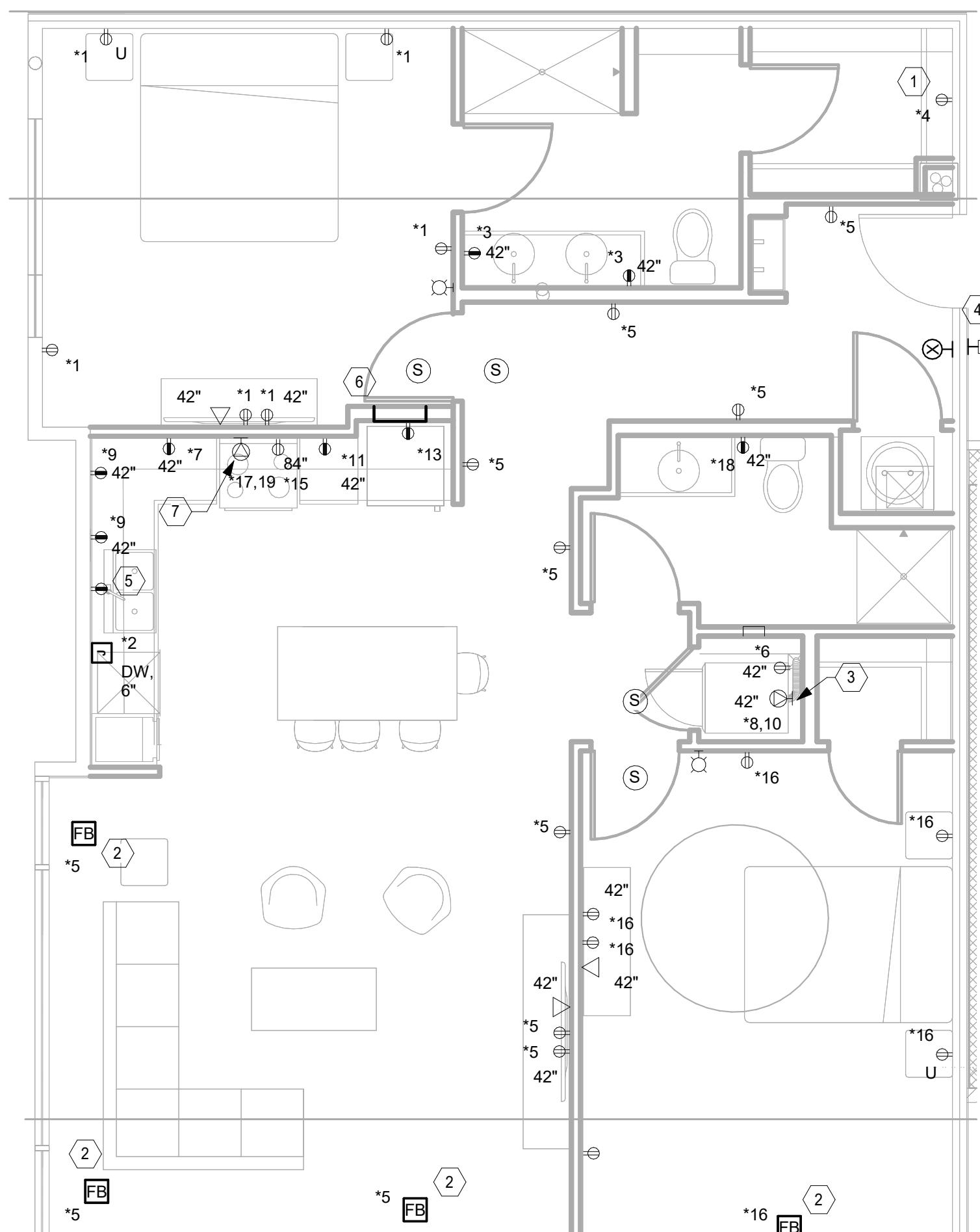
△	DESCRIPTION	DATE
	ISSUE FOR PRICING / BIDDING	12/15/2023

CHECKED BY TLE DRAWN BY MVC

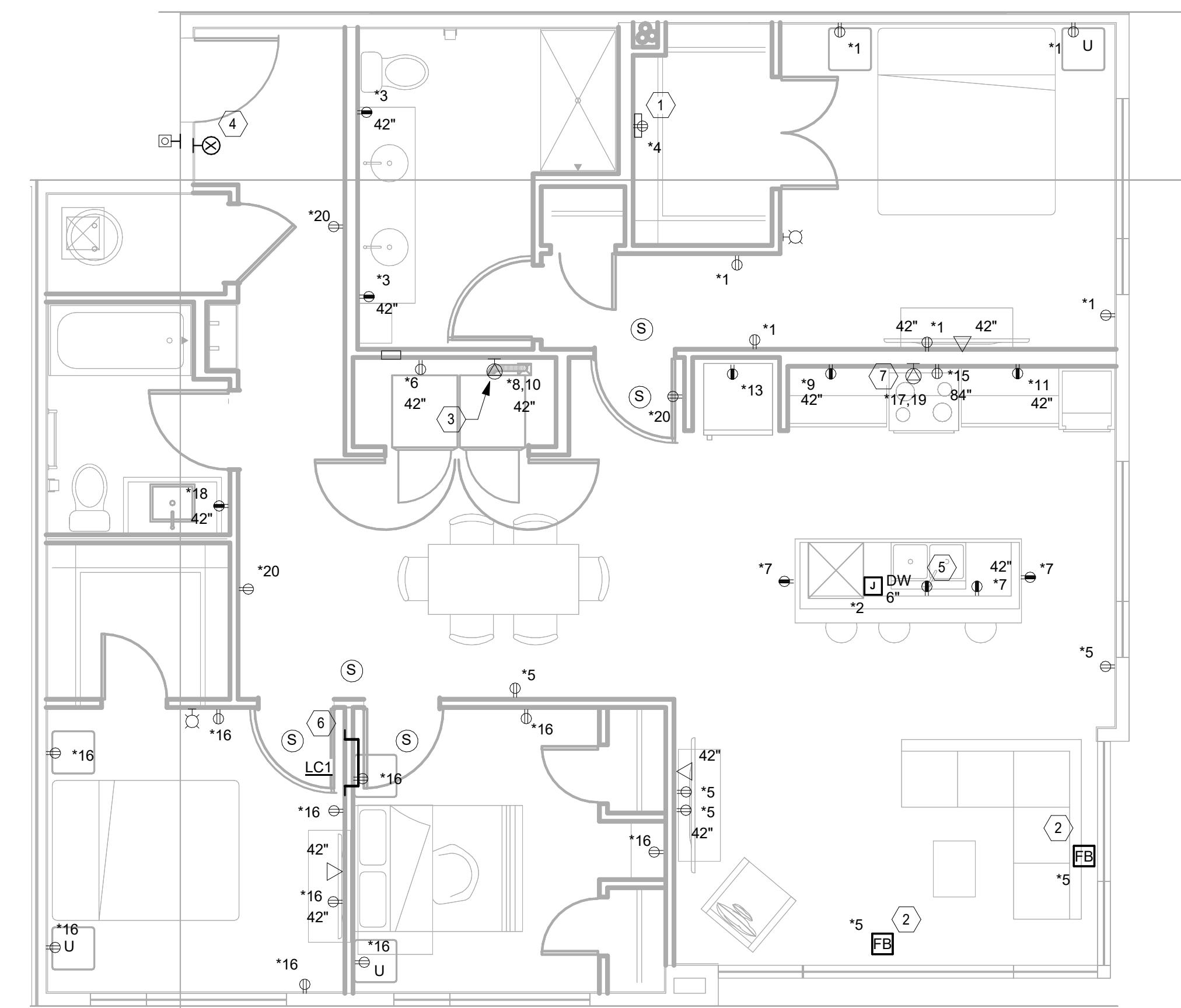
SHEET NAME

## ENLARGED UNIT PLANS - ELECTRICAL

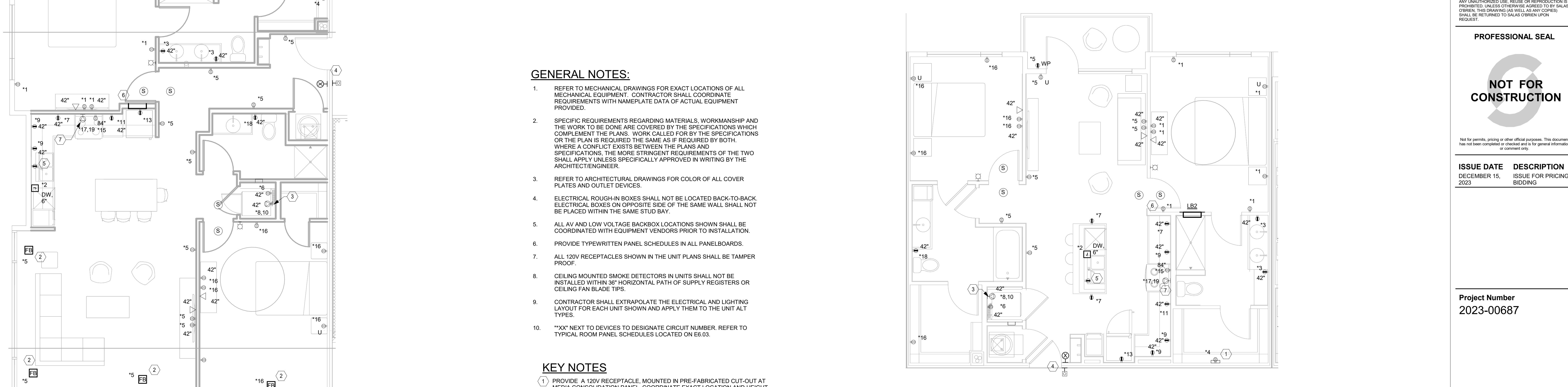
SHEET NUMBER E4.03 | REVISION



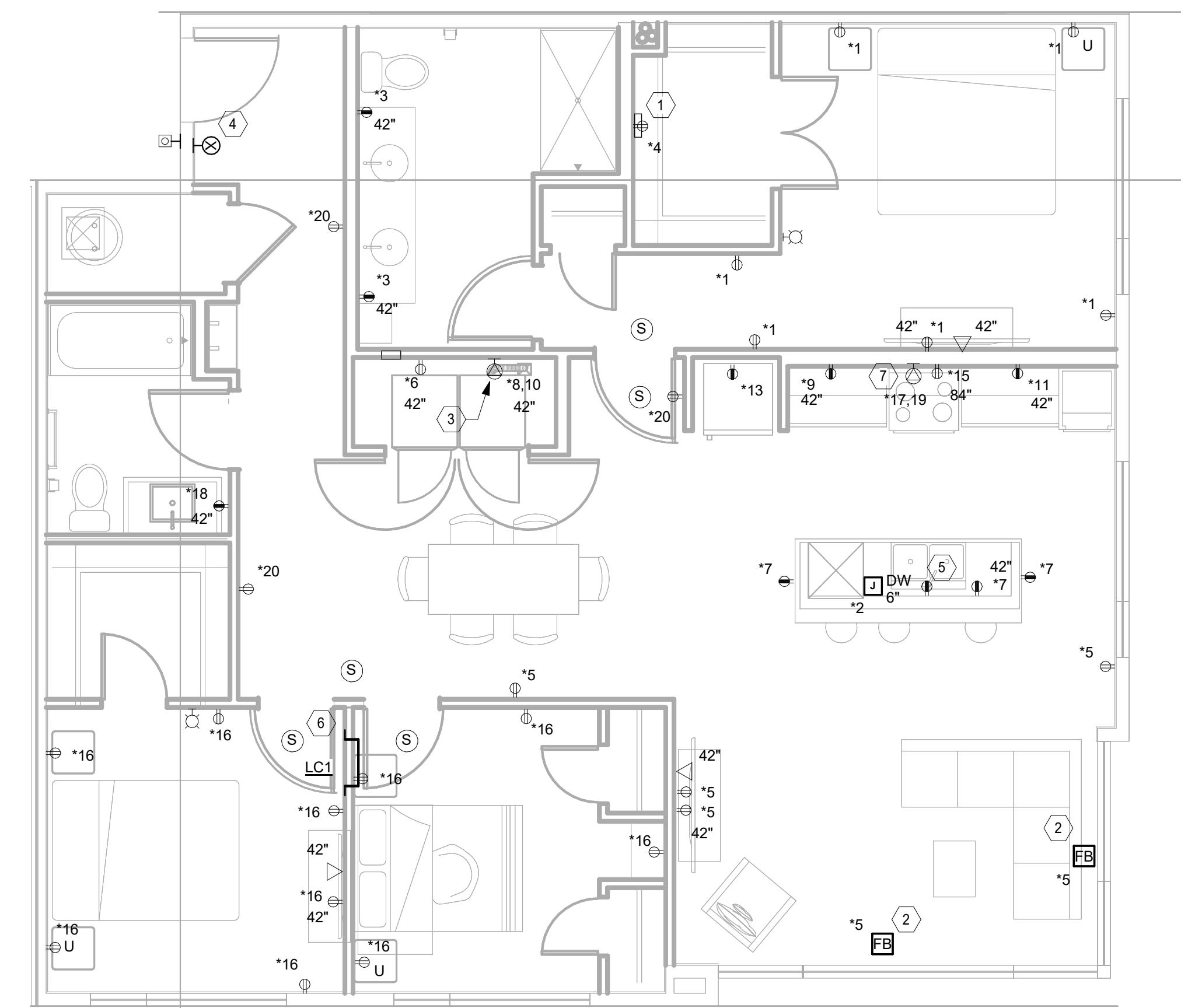
2) UNIT B3 - ELECTRICAL  
E4.04 1/4" = 1'-0"



4) UNIT C1 - ELECTRICAL  
E4.04 1/4" = 1'-0"



1) UNIT B2 - ELECTRICAL  
E4.04 1/4" = 1'-0"



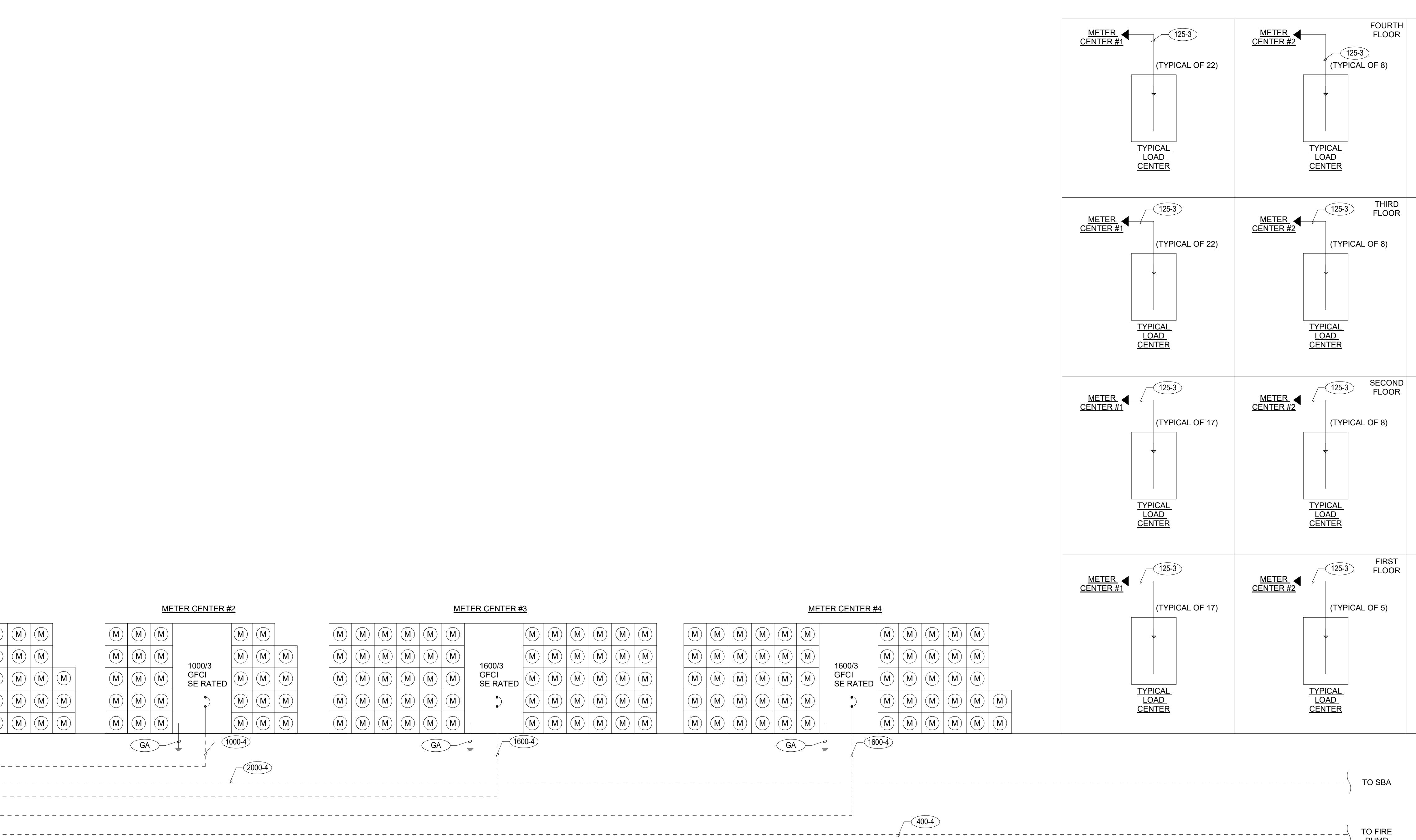
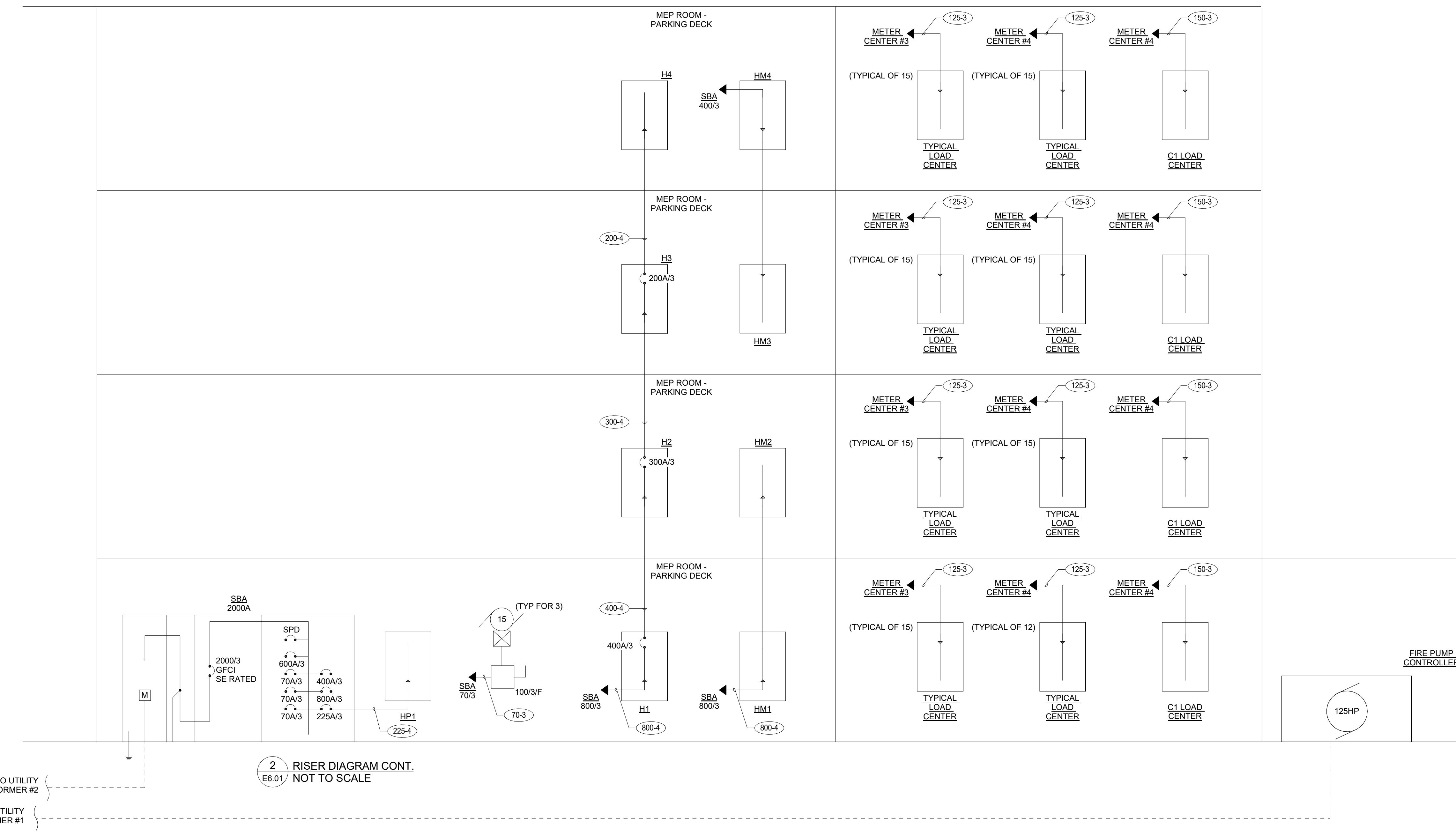
3) UNIT B4 - ELECTRICAL  
E4.04 1/4" = 1'-0"

## FEEDER SCHEDULE

SYMBOL	SETS	COPPER	
		HOT / NEUT	GND / COND
(4000-4)	11	4#500	1#500 3-1/2"
(4000-3)	11	3#500	1#500 3"
(3000-4)	8	4#500	1#500 3-1/2"
(3000-3)	8	3#500	1#500 3"
(2500-4)	7	4#500	1#350 3-1/2"
(2500-3)	7	3#500	1#350 3"
(2000-4)	6	4#400	1#250 2-1/2"
(2000-3)	6	3#400	1#250 2-1/2"
(1600-4)	5	4#400	1#40 3"
(1600-3)	5	3#400	1#40 2-1/2"
(1200-4)	4	4#350	1#30 3"
(1200-3)	4	3#350	1#30 2-1/2"
(1000-4)	4	4#400	1#20 3"
(1000-3)	4	3#400	1#20 2-1/2"
(800-4)	3	4#300	1#10 2-1/2"
(800-3)	3	3#300	1#10 2-1/2"
(600-4)	2	4#350	1#1 3"
(600-3)	2	3#350	1#1 2-1/2"
(450-4)	2	4#40	1#2 2-1/2"
(450-3)	2	3#40	1#2 2"
(400-4)	1	4#500	1#3 2"
(400-3)	1	3#500	1#3 2"
(300-4)	1	4#350	1#4 3"
(300-3)	1	3#350	1#4 2-1/2"
(250-4)	1	4#250	1#4 2-1/2"
(250-3)	1	3#250	1#4 2-1/2"
(225-4)	1	4#40	1#4 2-1/2"
(225-3)	1	3#40	1#4 2"
(200-4)	1	4#30	1#6 2"
(200-3)	1	3#30	1#6 2"
(150-4)	1	4#10	1#6 2"
(150-3)	1	3#10	1#6 1-1/2"
(125-4)	1	4#1	1#6 1-1/2"
(125-3)	1	3#1	1#6 1-1/4"
(100-4)	1	4#3	1#8 1-1/4"
(100-3)	1	3#3	1#8 1-1/4"
(80-4)	1	4#3	1#8 1-1/4"
(80-3)	1	3#3	1#8 1-1/4"
(70-4)	1	4#4	1#8 1-1/4"
(70-3)	1	3#4	1#8 1"
(60-4)	1	4#4	1#10 1-1/4"
(60-3)	1	3#4	1#10 1"
(50-4)	1	4#6	1#10 1"
(50-3)	1	3#6	1#10 3/4"
(40-4)	1	4#8	1#10 3/4"
(40-3)	1	3#8	1#10 3/4"
(30-4)	1	4#10	1#10 1/2"
(30-3)	1	3#10	1#10 1/2"
(20-4)	1	4#12	1#12 1/2"
(20-3)	1	3#12	1#12 1/2"
(GA)	1		1#3/0 3/4"
(GB)	1		1#2/0 3/4"
(GC)	1		1#1/0 1/2"
(GD)	1		1#2 1/2"
(GE)	1		1#4 1/2"
(GF)	1		1#6 1/2"
(GG)	1		1#8 1/2"

NOTES:  
1. METAL CLAD CABLE (MC) IS ACCEPTABLE IN LIEU  
OF WIRE IN CONDUIT.

UNIT FEEDER SCHEDULE	
TOTAL COND. LENGTH	MINIMUM FEEDER & CONDUIT REQUIRED FOR 125A DWELLING UNITS (CU)
0' - 125' 0"	3#1, #6G - 1 1/4"C
125' 1" - 200' 0"	3#1/0, #6G - 1 1/2"C
200' 1" - 300' 0"	3#3/0, #6G - 2"C
300' 1" +	3#4/0, #4G - 2"C



## Branch Panel: HM1

SUPPLY FROM: SBA  
MOUNTING: Surface  
ENCLOSURE: IndoorVOLTS: 120/208 Wye  
PHASES: 3  
WIRES: 4A.I.C. RATING:  
MAINS TYPE: MLO  
MAINS RATING: 800 A

FEED THRU LUGS: NO

CKT	CIRCUIT DESCRIPTION	TRIP	POL...	A	B	C	POL...	TRIP	CIRCUIT DESCRIPTION	CKT				
1	AHU 1-01	30	2	2172	1500		2	20	EWH-A	2				
3	--	--		2172	1500		--	--	--	4				
5	AHU 1-02	30	2	--	2172	1500	2	20	EWH-A	6				
7	--	--		2172	1500		--	--	--	8				
9	AHU 1-03	50	2	3436	1500		2	20	EWH-A	10				
11	--	--		3436	1500		--	--	--	12				
13	AHU 1-04	50	2	3436	1500		2	20	EWH-A	14				
15	--	--		3436	1500		--	--	--	16				
17	AHU 1-05	30	2	2172	1500		2	20	EWH-A	18				
19	--	--		2172	1500		--	--	--	20				
21	AHU 1-06	60	2	4200	1500		2	20	EWH-A	22				
23	--	--		4200	1500		--	--	--	24				
25	AHU 1-07	30	2	2172	2400		2	30	EWH-B	26				
27	--	--		2172	2400		--	--	--	28				
29	AHU 1-08	50	2	3436	2400		2	30	EWH-B	30				
31	--	--		3436	2400		--	--	--	32				
33	AHU 1-09	50	2	3436	2400		2	30	EWH-B	34				
35	--	--		3436	2400		--	--	--	36				
37	AHU 1-10	30	2	2172	2400		2	30	EWH-B	38				
39	--	--		2172	2400		--	--	--	40				
41	AHU 1-11	60	2	4400	2400		2	30	EWH-B	42				
43	--	--		4400	2400		--	--	--	44				
45	EF-BK	20	2	217	2000		2	30	ECH-EL-1A	46				
47	--	--		217	2000		--	--	--	48				
49	EF-ST	20	2	333	2000		2	30	ECH-EL-1B	50				
51	--	--		333	2000		--	--	--	52				
53	EF-MN	20	2	333	3000		2	40	EPH-01, EPH-02	54				
55	--	--		333	3000		--	--	--	56				
57	EF-DS	20	2	217	5000		2	70	EUH-1, EUH-M	58				
59	--	--		217	5000		--	--	--	60				
61	EWH-A	20	2	1500	5000		2	70	EUH-B, EUH-S	62				
63	--	--		1500	5000		--	--	--	64				
65	EWH-A	20	2	1500	1498		2	30	DFC-01	66				
67	--	--		1500	1498		--	--	--	68				
69	EWH-A	20	2	1500	916		2	30	DFC-02	70				
71	--	--		1500	916		--	--	--	72				
73	EWH-A	20	2	1500	5546		3	60	DBP-1	74				
75	--	--		1500	5546		--	--	--	76				
77	EWH-A	20	2	1500	--		2	78	Space	80				
79	--	--		1500	--		1	--	Space	82				
81	EWH-A	20	2	1500	--		1	--	Space	84				
TOTAL LOAD (VA): 61442 VA														
FEED THRU LOAD (VA): 21594 VA														
PANEL TOTALS (VA): 8303 VA														
LOAD CLASSIFICATION														
CONNECTED LOAD			DEMAND FACTOR		ESTIMATED...		PANEL TOTALS							
Cooling			4828 VA		100.00%		4828 VA							
Heating			223200 VA		100.00%		223200 VA							
Motor			18849 VA		122.07%		23009 VA							
TOTAL CONNECTED LOAD (VA): 251														
TOTAL CONNECTED LOAD (VA): 685														
TOTAL CONNECTED LOAD (VA): 697														
NOTES:														

## Branch Panel: HM2

SUPPLY FROM: HM1

VOLTS: 120/208 Wye

PHASES: 3

WIRES: 4

FEED THRU LUGS: NO

A.I.C. RATING:  
MAINS TYPE: MLO  
MAINS RATING: 800 A

ENCLOSURE: Indoor

CKT	CIRCUIT DESCRIPTION	TRIP	POL...	A	B	C	POL...	TRIP	CIRCUIT DESCRIPTION	CKT
1	AHU 2-01	30	2	2172	2000		2	30	ECH-EL-2A	2
3	--	--		2172	2000		--	--	--	4
5	AHU 2-02	30	2	--	2172	2000	2	30	ECH-EL-2B	6
7	--	--		2172	2000		--	--	--	8
9	AHU 2-03	50	2	3436	--	1	--	--	Space	10
11	--	--		3436	--	1	--	--	Space	12
13	AHU 2-04	50	2	3436	--	1	--	--	Space	14
15	--	--		3436	--	1	--	--	Space	16
17	AHU 2-05	50	2	3436	--	1	--	--	Space	18
19	--	--		3436	--	1	--	--	Space	20
21	AHU 2-06	30	2	2172	--	1	--	--	Space	22
23	--	--		2172	--	1	--	--	Space	24
25	AHU 2-07	30	2	2172	--	1	--	--	Space	26
27	--	--		2172	--	1	--	--	Space	28
29	AHU 2-08	60	2	--	4200	--	1	--	Space	30
31										

Branch Panel: HP1										
SUPPLY FROM: SBA		VOLTS: 120/208 Wye		A.I.C. RATING:		MAINS TYPE: MLO		ENCLOSURE: Indoor		
PHASES: 3		WIRES: 4		MAINS RATING: 400 A						
CKT	CIRCUIT DESCRIPTION	TRIP	POL...	A	B	C	POL...	TRIP	CIRCUIT DESCRIPTION	CKT
1										2
3										4
5										6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42
TOTAL LOAD (VA):		0 VA		0 VA		0 VA				
FEED THRU LOAD (VA):		0 VA		0 VA		0 VA				
PANEL TOTALS (VA):										
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS					
TOTAL CONNECTED LOAD (VA): 0										
TOTAL DEMAND LOAD (KVA): 0										
TOTAL CONNECTED LOAD (A): 0										
TOTAL DEMAND LOAD (A): 0										
NOTES:										

Branch Panel: HM4										
SUPPLY FROM: SBA		VOLTS: 120/208 Wye		A.I.C. RATING:		MAINS TYPE: MLO		ENCLOSURE: Indoor		
PHASES: 3		WIRES: 4		MAINS RATING: 400 A						
CKT	CIRCUIT DESCRIPTION	TRIP	POL...	A	B	C	POL...	TRIP	CIRCUIT DESCRIPTION	CKT
1	AHU 4-01	30	2	2172	1174		2	20	CU 2-06	2
3	--	--		2172	1174		--	--	--	4
5	AHU 4-02	30	2	2172	1174	2	20		CU 2-07	6
7	--	--		2172	1174		--	--	--	8
9	AHU 4-03	50	2	3436	1398	2	30		CU 2-08	10
11	--	--		3436	1398	2	20		CU 2-09	12
13	AHU 4-04	50	2	3436	1174		2	20	CU 3-01	14
15	--	--		3436	1174		--	--	--	16
17	AHU 4-05	30	2	2172	974	2	20		CU 3-02	22
19	--	--		2172	974	2	20		CU 3-03	24
21	CU 1-01	20	2	974	974	2	20		CU 3-04	26
23	--	--		974	974		--	--	CU 4-01	30
25	CU 1-02	20	2	974	1398	2	30		CU 4-02	32
27	--	--		974	1398		--	--	CU 4-03	34
29	CU 1-03	30	2	1398	1398	2	30		CU 4-04	36
31	--	--		1398	1398		--	--	CU 4-05	38
33	CU 1-04	30	2	1398	1398	2	30		CU 4-06	40
35	--	--		1398	1398		--	--	CU 4-07	42
37	CU 1-05	20	2	974	42	2	20		CU 4-08	44
39	--	--		974	42		--	--	CU 4-09	46
41	CU 1-06	30	2	1506	42	2	20		CU 4-10	48
43	--	--		1506	42		--	--	CU 4-11	50
45	CU 1-07	20	2	1174	78	2	30		CU 4-12	52
47	--	--		1174	78		--	--	CU 4-13	54
49	CU 1-08	30	2	1398	78	2	30		CU 4-14	56
51	--	--		1398	78		--	--	CU 4-15	58
53	CU 1-09	30	2	1398	78	2	30		CU 4-16	60
55	--	--		1398	78		--	--	CU 4-17	62
57	CU 1-10	20	2	974	217	2	15		CU 4-18	64
59	--	--		974	217		--	--	CU 4-19	66
61	CU 1-11	35	2	1739	2000	2	30		CU 4-20	68
63	--	--		1739	2000		--	--	CU 4-21	70
65	CU 2-01	20	2	974	2000	2	30		CU 4-22	72
67	--	--		974	2000		--	--	RTU-01	74
69	CU 2-02	20	2	974	1664	2	30		RTU-02	76
71	--	--		974	1664		--	--	Space	78
73	CU 2-03	30	2	1398	1664	2	30		Space	80
75	--	--		1398	1664		--	--	Space	82
77	CU 2-04	30	2	1398	--	1	--		Space	84
79	--	--		1398	--	1	--		Space	86
81	CU 2-05	30	2	1398	--	1	--		Space	88
83	--	--		1398	--	1	--		Space	90
TOTAL LOAD (VA):		36304 VA		35678 VA		32741 VA				
FEED THRU LOAD (VA):		11952 VA		13044 VA		9780 VA				
PANEL TOTALS (VA):										
LOAD CLASSIFICATION		CONNECTED LOAD</								

## BRANCH PANEL: LA2

SUPPLY FROM: VOLTS: 120/208 Single  
MOUNTING: RECESSED PHASES: 1  
ENCLOSURE: TYPE 1 WIRES: 3

A.I.C. RATING: MAINS TYPE: MLO  
MAINS RATING: 125 A  
FEED THRU LUGS: NO

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECEP - BEDROOM	20	1	0	0	1	20	DISHWASHER (GFCI)	2
3	RECEP - RESTROOM	20	1	0	0	1	20	MEDIA PANEL	4
5	RECEP - LIVING ROOM	20	1	0	0	1	20	WASHING MACHINE (GFCI)	6
7	RECEP - KITCHEN	20	1	0	0	2	30	DRYER	8
9	RECEP - KITCHEN	20	1	0	0	1	20	WATER HEATER	12
11	MICROWAVE	20	1	0	0	2	30	REFRIGERATOR	14
13	REFRIGERATOR	20	1	0	0	2	20	KITCHEN HOOD	16
15	KITCHEN HOOD	20	1	0	0	2	20	ELECTRIC RANGE	18
17	ELECTRIC RANGE	50	2	0	0	0	0	AHU-A	20
19	-	-	-	0	0	2	30	-	22
21	LIGHTING	20	1	0	0	1	20	Spare	24
23	Spare	20	1	0	0	1	20	Spare	26
25	Spare	20	1	0	0	1	20	Spare	28
27	Spare	20	1	0	0	1	20	Spare	30
29	Space	-	1	-	-	1	-	Space	30
TOTAL LOAD (VA):									
0									

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
				TOTAL CONNECTED LOAD...: 0
				TOTAL DEMAND LOAD (KVA): 0
				TOTAL CONNECTED LOAD (A): 0
				TOTAL DEMAND LOAD (A): 0

NOTES:  
1. PROVIDE ARC-FAULT BREAKERS FOR ALL KITCHEN, LIVING ROOM, DINING ROOM, BEDROOM, HALLWAY AND LIGHTING BRANCH CIRCUITS PER NEC 210.12

## BRANCH PANEL: LA1

SUPPLY FROM: VOLTS: 120/208 Single  
MOUNTING: RECESSED PHASES: 1  
ENCLOSURE: TYPE 1 WIRES: 3

A.I.C. RATING: MAINS TYPE: MLO  
MAINS RATING: 125 A  
FEED THRU LUGS: NO

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECEP - BEDROOM	20	1	0	0	1	20	DISHWASHER (GFCI)	2
3	RECEP - RESTROOM	20	1	0	0	1	20	MEDIA PANEL	4
5	RECEP - LIVING ROOM	20	1	0	0	1	20	WASHING MACHINE (GFCI)	6
7	RECEP - KITCHEN	20	1	0	0	2	30	DRYER	8
9	RECEP - KITCHEN	20	1	0	0	1	20	WATER HEATER	12
11	MICROWAVE	20	1	0	0	2	30	REFRIGERATOR	14
13	REFRIGERATOR	20	1	0	0	1	20	KITCHEN HOOD	16
15	KITCHEN HOOD	20	1	0	0	1	20	ELECTRIC RANGE	18
17	ELECTRIC RANGE	50	2	0	0	1	20	RECEP - BEDROOM / ENTRY	20
19	-	-	-	0	0	2	30	RECEP - RESTROOM	22
21	LIGHTING	20	1	0	0	1	20	Spare	24
23	Spare	20	1	0	0	1	20	Spare	26
25	Spare	20	1	0	0	1	20	Spare	28
27	Spare	20	1	0	0	1	20	Spare	30
29	Space	-	1	-	-	1	-	Space	30
TOTAL LOAD (VA):									
0									

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
				TOTAL CONNECTED LOAD...: 0
				TOTAL DEMAND LOAD (KVA): 0
				TOTAL CONNECTED LOAD (A): 0
				TOTAL DEMAND LOAD (A): 0

NOTES:  
1. PROVIDE ARC-FAULT BREAKERS FOR ALL KITCHEN, LIVING ROOM, DINING ROOM, BEDROOM, HALLWAY AND LIGHTING BRANCH CIRCUITS PER NEC 210.12

## BRANCH PANEL: LA0

SUPPLY FROM: VOLTS: 120/208 Single  
MOUNTING: RECESSED PHASES: 1  
ENCLOSURE: TYPE 1 WIRES: 3

A.I.C. RATING: MAINS TYPE: MLO  
MAINS RATING: 125 A  
FEED THRU LUGS: NO

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A	B	POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	RECEP - BEDROOM	20	1	0	0	1	20	DISHWASHER (GFCI)	2
3	RECEP - RESTROOM	20	1	0	0	1	20	MEDIA PANEL	4
5	RECEP - LIVING ROOM	20	1	0	0	1	20	WASHING MACHINE (GFCI)	6
7	RECEP - KITCHEN	20	1	0	0	2	30	DRYER	8
9	RECEP - KITCHEN	20	1	0	0	1	20	WATER HEATER	12
11	MICROWAVE	20	1	0	0	2	30	REFRIGERATOR	14
13	REFRIGERATOR	20	1	0	0	1	20	KITCHEN HOOD	16
15	KITCHEN HOOD	20	1	0	0	1	20	ELECTRIC RANGE	18
17	ELECTRIC RANGE	50	2	0	0	1	20	RECEP - BEDROOM / ENTRY	20
19	-	-	-	0	0	2	30	RECEP - RESTROOM	22
21	LIGHTING	20	1	0	0	1	20	Spare	24
23	Spare	20	1	0	0	1	20	Spare	26
25	Spare	20	1	0	0	1	20	Spare	28
27	Spare	20	1	0	0	1	20	Spare	30
29	Space	-	1	-	-	1	-	Space	30
TOTAL LOAD (VA):									
0									

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS
				TOTAL CONNECTED LOAD...: 0
				TOTAL DEMAND LOAD (KVA): 0
				TOTAL CONNECTED LOAD (A): 0
				TOTAL DEMAND LOAD (A): 0

NOTES:  
1. PROVIDE ARC-FAULT BREAKERS FOR ALL KITCHEN, LIVING ROOM, DINING ROOM, BEDROOM, HALLWAY AND LIGHTING BRANCH CIRCUITS PER NEC 210.12

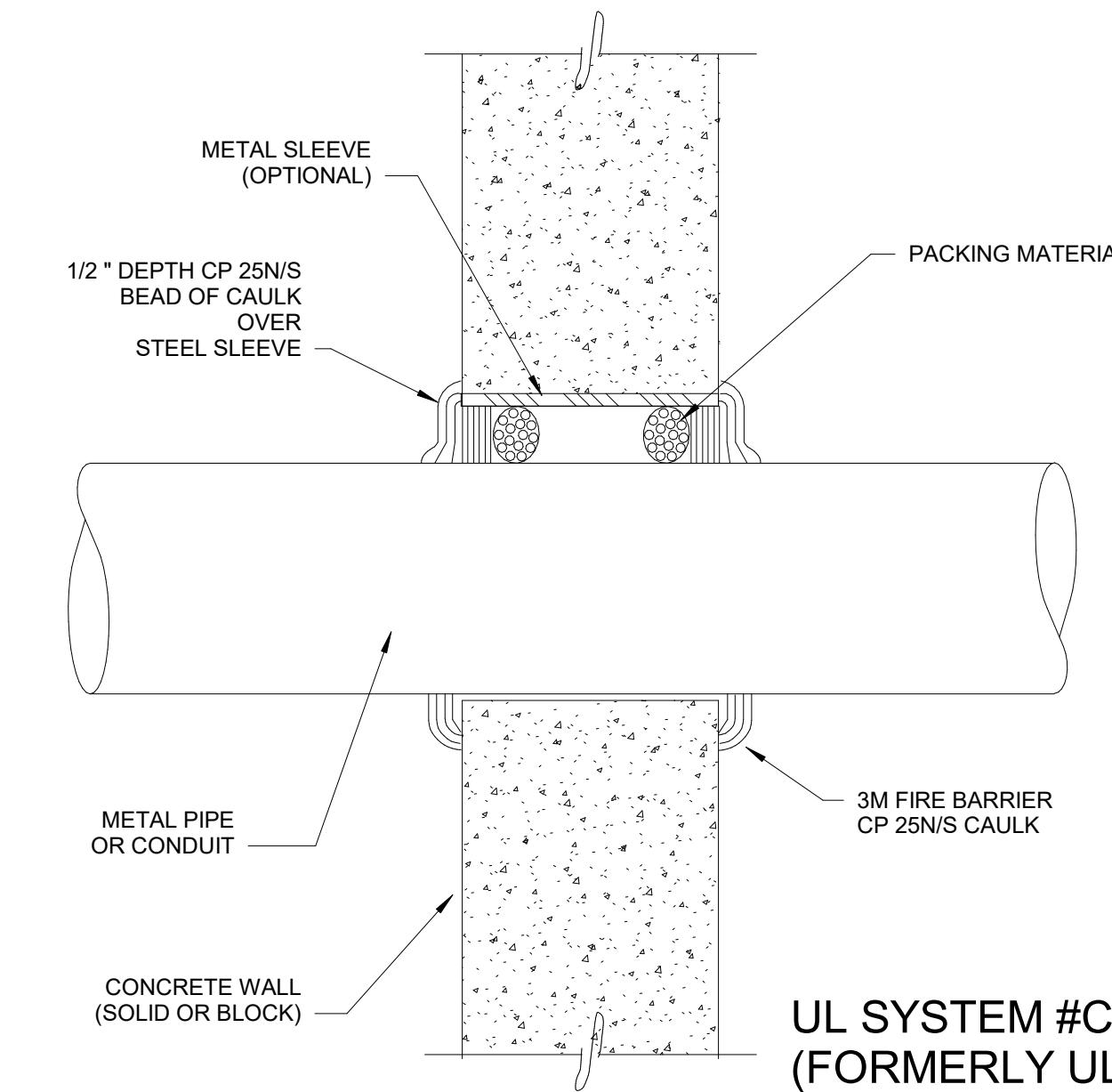
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED...	PANEL TOTALS

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△	DESCRIPTION	DATE
	ISSUE FOR PRICING / BIDDING	12/15/2023

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE - APARTMENTS											
ITEM#	DESCRIPTION	WIRING	VOLTAGE/PHASE	HP/FLA/KW	PANEL	CIRCUIT #	DISCONNECT/FUSES	LOCATION	NOTES	Comments	
UNIT A0	AHU-A FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	23.6 MCA			30A/2P/F	MECH CLOSET	1	UNIT A0	
	CU-A FAN COIL UNIT	2#12, #12G - 1/2"	208V/1	13.4 MCA			30A/2P/F/3R	MECH CLOSET	1.24	UNIT A0	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT A0	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT A0	
UNIT A1	AHU-A FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	23.6 MCA			30A/2P/F	MECH CLOSET	1	UNIT A1	
	CU-A FAN COIL UNIT	2#12, #12G - 1/2"	208V/1	13.4 MCA			30A/2P/F/3R	MECH CLOSET	1.24	UNIT A1	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT A1	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT A1	
UNIT A2	AHU-A FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	23.6 MCA			30A/2P/F	MECH CLOSET	1	UNIT A2	
	CU-A FAN COIL UNIT	2#12, #12G - 1/2"	208V/1	13.4 MCA			30A/2P/F/3R	MECH CLOSET	1.24	UNIT A2	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT A2	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT A2	
UNIT A3	AHU-A FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	23.6 MCA			30A/2P/F	MECH CLOSET	1	UNIT A3	
	CU-A FAN COIL UNIT	2#12, #12G - 1/2"	208V/1	13.4 MCA			30A/2P/F/3R	MECH CLOSET	1.24	UNIT A3	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT A3	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT A3	
UNIT B1	AHU-C FAN COIL UNIT	2#6, #10G - 1"	208V/1	35.5 MCA			60A/2P/F	MECH CLOSET	1	UNIT B1	
	CU-C FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	18.2 MCA			30A/2P/F/3R	MECH CLOSET	1.24	UNIT B1	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT B1	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT B1	
UNIT B2	AHU-B FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	23.9 MCA			30A/2P/F	MECH CLOSET	1	UNIT B2	
	CU-B FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	14.5 MCA			30A/2P/F/3R	MECH CLOSET	1.24	UNIT B2	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT B2	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT B2	
UNIT B3	AHU-D FAN COIL UNIT	2#6, #10G - 1"	208V/1	36.2 MCA			60A/2P/F	MECH CLOSET	1	UNIT B3	
	CU-D FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	20.3 MCA			30A/2P/F/3R	MECH CLOSET	1.24	UNIT B3	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT B3	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT B3	
UNIT B4	AHU-C FAN COIL UNIT	2#6, #10G - 1"	208V/1	35.5 MCA			60A/2P/F	MECH CLOSET	1	UNIT B4	
	CU-C FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	18.2 MCA			30A/2P/F/3R	MECH CLOSET	1.24	UNIT B4	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT B4	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT B4	
UNIT C1	AHU-E FAN COIL UNIT	2#6, #10G - 1"	208V/1	43.3 MCA			60A/2P/F	MECH CLOSET	1	UNIT C1	
	CU-E FAN COIL UNIT	2#8, #10G - 3/4"	208V/1	24.7 MCA			60A/2P/F/3R	MECH CLOSET	1.24	UNIT C1	
EF-A	BATHROOM EXHAUST FAN	2#12, #12G - 1/2"	120V/1	4 W			SEE NOTE 3	DWELLING UNIT BATHROOM	1.3.5.6	UNIT C1	
EWH	WATER HEATER	2#10, #10G - 3/4"	208V/1	4.5 KW			MOTOR RATED SWITCH	MECH CLOSET	1	UNIT C1	
APARTMENT MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE NOTES:											
1.	INSTALL OVERCURRENT PROTECTION AND BRANCH CIRCUITS PER UL LISTED REQUIREMENTS FOR EQUIPMENT SERVED. REFER TO EQUIPMENT CUT SHEETS AND MANUFACTURER'S DATA FOR ROUGHIN LOCATIONS OF ELECTRICAL CONNECTIONS AND INTERCONNECTIONS FOR ALL EQUIPMENT. PROVIDE DISCONNECT SWITCH (NON-FUSED, UNLESS NOTED OTHERWISE). COORDINATE EXACT NAMEPLATE DATA OF EQUIPMENT TO BE USED WITH MECHANICAL CONTRACTOR. PROVIDE HACR CIRCUIT BREAKER OR FUSIBLE SWITCH FOR ALL MECHANICAL EQUIPMENT.										
2.	PROVIDE WP DEVICES (NEMA 3R RATING) IN ALL EXTERIOR OR DAMP LOCATIONS.										
3.	DISCONNECT PROVIDED WITH EQUIPMENT OR BY MECHANICAL CONTRACTOR.										
4.	PROVIDE DUPLEX RECEPTACLE ON ROOF FOR REQUIREMENTS OF NEC 210.63. EXTEND AND CONNECT TO COMMON 120V BRANCH CIRCUIT.										
5.	EXTEND AND CONNECT TO LOCAL 120/20A RECEPTACLE BRANCH CIRCUIT.										
6.	PROVIDE COMBINATION STARTER/DISCONNECT ABOVE CEILING. PROVIDE SWITCH WITHIN RESTROOM NEAR LIGHT SWITCH TO CONTROL EXHAUST FAN.										

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE											
ITEM#	DESCRIPTION	WIRING	VOLTAGE/PHASE	HP/FLA/KW	PANEL	CIRCUIT #	DISCONNECT/FUSES	LOCATION	NOTES		
1ST FLOOR											
AHU-1-01	FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	26.1 MCA	HM1	1.3	30A/2P/F	NW CORRIDOR (SECTOR 1)	1		
AHU-1-02	FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	26.1 MCA	HM1	5.7	30A/2P/F	SW CORRIDOR (SECTOR 1)	1		
AHU-1-03	FAN COIL UNIT	2#6, #10G - 1"	208V/1	41.3 MCA	HM1	9.11	60A/2P/F	NE CORRIDOR (SECTOR 3)	1		
AHU-1-04	FAN COIL UNIT	2#6, #10G - 1"	208V/1	41.3 MCA	HM1	13.15	60A/2P/F	SE CORRIDOR (SECTOR 3)	1		
AHU-1-05	FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	26.1 MCA	HM1	17.19	30A/2P/F	CENTER CORRIDOR (SECTOR 2)	1		
AHU-1-06	FAN COIL UNIT	2#4, #10G - 1 1/4"	208V/1	50.4 MCA	HM1	21.23	30A/2P/F	GYM 1ST FLOOR	1		
AHU-1-07	FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	26.1 MCA	HM1	25.27	30A/2P/F	GYM 1ST FLOOR	1		
AHU-1-08	FAN COIL UNIT	2#6, #10G - 1"	208V/1	41.3 MCA	HM1	29.31	60A/2P/F	CLOTHESLINE 1ST FLOOR	1		
AHU-1-09	FAN COIL UNIT	2#6, #10G - 1"	208V/1	41.3 MCA	HM1	33.35	60A/2P/F	CLUBHOUSE 1ST FLOOR	1		
AHU-1-10	FAN COIL UNIT	2#10, #10G - 3/4"	208V/1	26.1 MCA	HM1	37.39	30A/2P/F	AMENITY AREA 1ST FLOOR	1		
AHU-1-11	FAN COIL UNIT	2#4, #10G - 1 1/4"	208V/1	52.8 MCA	HM1	41.43	60A/2P/F	AMENITY			



HVAC LEGEND	
SYMBOLS	DESCRIPTION
	SUPPLY AIR DEVICE
	RETURN/EXHAUST AIR DEVICE
	LINED DUCTWORK
	FLEXIBLE DUCT CONNECTION
	EXISTING EQUIPMENT TO REMAIN
	EXISTING EQUIPMENT RELOCATED
	EXISTING EQUIPMENT TO BE REMOVED
	END CAP (PIPE OR DUCT)
	DUCT RISE
	DUCT DROP
	MANUAL DAMPER
	FIRE DAMPER (HORIZONTAL/VERTICAL)
	MOTOR OPERATED FIRE SMOKE DAMPER
	MOTOR OPERATED DAMPER
	THERMOSTAT/SENSOR/HUMIDISTAT
	SMOKE DETECTOR
	DRAIN
	CONDENSER WATER SUPPLY/CONDENSER WATER RETURN
	CHILLED WATER SUPPLY/CHILLED WATER RETURN
	HEATING WATER SUPPLY/HEATING WATER RETURN
	REFRIGERANT LINE (SUCTION/LIQUID)
	BALL VALVE
	BUTTERFLY VALVE (BV)
	GATE VALVE (GV)
	3-WAY CONTROL VALVE
	NON-SLAM CHECK VALVE (CV)
	PRESSURE REDUCING VALVE
	STRAINER
	GAUGE COCK
	PRESSURE GAUGE
	THERMOMETER
	TEST WELL
	UNION
	FLANGE
	PUMP

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.

ABBREVIATION/DEFINITION	ABBREVIATION/DEFINITION
A/C ABOVE CEILING	MAX MAXIMUM
AD ACCESS DOOR	MBH 1000 BTU/HOUR
ADJ ADJUSTABLE	MD MANUAL DAMPER
AFF ABOVE FINISHED FLOOR	MIN MINIMUM
ARCH ARCHITECT	MOD MOTOR OPERATED DAMPER
BEL BELOW	MOV MOTOR OPERATED VALVE
BD BACKDRAFT DAMPER	MTD MOUNTED
B/F BELOW FLOOR	N/A NOT APPLICABLE
BTUH BRITISH THERMAL UNIT/HOUR	NC NOISE CRITERIA
C CONVECTOR	N.C. NORMALLY CLOSED
CAP CAPACITY	N.I.C. NOT IN CONTRACT
CD CEILING DIFFUSER	N.O. NORMALLY OPEN
CF CUBIC FEET	NO NUMBER OR DESIGNATION
CFM CUBIC FEET PER MINUTE	NOM NOMINAL
CLG CEILING	NPSHA NET POSITIVE SUCTION HEAD AVAIL
CO CLEANOUT	OA OUTSIDE AIR
CONC CONCRETE	OBD OPPOSED BLADE DAMPER
CONN CONNECTION	OC ON CENTERS
CONT CONTINUATION	OPNG OPENING
D DRAIN	OP PRESSURE DROP
DB DRY BULB	PH ELECTRICAL PHASE
DG DOOR GRILLE	PIU POWERED INDUCTION UNIT
DIA DIAMETER (Ø)	PLBG PLUMBING
DIFF DIFFUSER	PRV PRESSURE REDUCING VALVE
DN DOWN	PSIA POUNDS PER SQ. IN. ABSOLUTE
DWGS DRAWINGS	PSIG POUNDS PER SQ. IN. GAUGE
EA EACH	RA RETURN AIR
EAT ENTERING AIR TEMPERATURE	RAG RETURN AIR GRILLE
EG EXHAUST GRILLE	RAR RETURN AIR REGISTER
ELEC ELECTRICAL	REG RESTRAINT
ENG ENGINEER	RH RELATIVE HUMIDITY
ER EXHAUST REGISTER	RL REFRIGERANT LIQUID
ESP EXTERNAL STATIC PRESSURE (IN WG)	RPM ROTATIONS PER MINUTE
EWT ENTERING WATER TEMPERATURE	RS REFRIGERANT SUCTION
EXH EXHAUST	SA SUPPLY AIR
FA FREE AREA	SD SMOKE DAMPER
FD FIRE DAMPER	SF SQUARE FEET
FLR FLOOR	SG SUPPLY GRILLE
FLEX FLEXIBLE	SP STATIC PRESSURE (IN. W.G.)
FOD FACE OPERATED DAMPER	SQ SQUARE
FPM FEET PER MINUTE	SR SUPPLY REGISTER
FSD FIRE/SMOKE DAMPER	SS STAINLESS STEEL
FT FEET	STR STRUCTURAL
GAL GALLON(S)	TE TOILET EXHAUST
GPM GALLONS PER MINUTE	TG TRAVELER GRILLE
GR GRAB	THRU THROUGH
HD HEAD (FT WC)	TRANS TRANSITION
HIP HORSEPOWER	TSTAT THERMOSTAT
HR HOUR	TY TYPICAL
IN INCHES	UC UNDERCUT
KW KILOWATT	UNO UNLESS NOTED OTHERWISE
L&S LOUVER & SCREEN	VAV VARIABLE AIR VOLUME UNIT
LAT LEAVING AIR TEMPERATURE	VEL VELOCITY
LBG LINEAR BAR GRILLE	W/ WITH
LBS POUNDS	WB WET BULB
LSD LINEAR SLOT DIFFUSER	WC WATER COLUMN
LF LINEAR FEET	WG WATER GAUGE
LWT LEAVING WATER TEMPERATURE	°F DEGREES FAHRENHEIT

NOTE: THESE ARE STANDARD ABBREVIATIONS. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.

## GENERAL NOTES:

1. FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND TOOLS  
REQUIRED TO COMPLETE INSTALLATION OF THE MECHANICAL  
SYSTEM INCLUDING BUT NOT LIMITED TO DUCTWORK, PIPING,  
INSULATION, AIR DISTRIBUTION DEVICES, EQUIPMENT, CONTROLS,  
AND ALL OTHER WORK INDICATED ON THE DRAWINGS OR AS  
SPECIFIED HEREIN.

2. OBTAIN ALL PERMITS, INSPECTIONS, AND APPROVALS  
BY LOCAL AUTHORITIES HAVING JURISDICTION AND  
DELIVER CERTIFICATE OF APPROVAL TO THE GENERAL  
CONTRACTOR. ALL ASSOCIATED FEES SHALL BE PAID BY THE  
CONTRACTOR.

3. CONTRACTOR SHALL COMPLY WITH OSHA REQUIREMENTS.

4. ALL MATERIALS AND EQUIPMENT OF THE MECHANICAL SYSTEMS  
NECESSARY TO ITS PROPER OPERATION BUT NOT SPECIFICALLY  
MENTIONED OR SHOWN ON THE DRAWINGS, SHALL BE FURNISHED  
AND INSTALLED WITHOUT ADDITIONAL CHARGE.

5. THE CONTRACTOR SHALL FULFILL ALL REQUIREMENTS OF THE  
CONTRACT DOCUMENTS AND SHALL COMPLETE THE  
IMPROVEMENTS SHOWN ON THE DRAWINGS AND INDICATED IN  
THE GENERAL NOTES AND SPECIFICATIONS. ALL SYSTEMS SHALL  
BE FINISHED AND PROVEN TO BE FULLY OPERATIONAL AND  
USABLE FOR COMMISSIONING, TESTING, ADJUSTING, AND BALANCING FOR  
THE MECHANICAL AIR SYSTEMS AS PROVIDED BY AN AGENCY CERTIFIED BY  
"AABC" OR "NEBB".

6. VISIT SITE AND CAREFULLY EXAMINE EXISTING SITE CONDITIONS  
PRIOR TO SUBMITTING BID. NO ALLOWANCE WILL BE MADE FOR  
LACK OF KNOWLEDGE OF EXISTING SITE CONDITIONS. ANY  
ADJUSTMENTS IN DUCTWORK ROUTING SHALL BE PROVIDED AT  
NO ADDITIONAL COST TO THE OWNER.

7. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT  
INTENDED TO INDICATE ALL POSSIBLE CONDITIONS. IT IS  
INTENDED THAT A COMPLETE MECHANICAL SYSTEM BE PROVIDED  
WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND  
CONTROLS AS DEPICTED IN CONTRACT DOCUMENTS. ALL DISCIPLINES  
AND COORDINATED IN THE CONTRACT DOCUMENTS. THE  
PARAMETERS INDICATED IN THESE CONTRACT DOCUMENTS  
SHALL BE STRICTLY CONFORMED TO AS SPECIFIED. ANY ITEMS  
AND LABOR REQUIRED FOR A COMPLETE MECHANICAL SYSTEM IN  
ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE  
DISCIPLINES AND COORDINATED IN THE CONTRACT DOCUMENTS  
SHALL BE FURNISHED AND INSTALLED WITHOUT INCURRING ANY ADDITIONAL COST TO THE  
OWNER. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND  
WORK OF OTHER TRADES PRIOR TO THE PREPARATION OF SHOP  
DRAWING SUBMITTALS.

8. COORDINATE ALL WORK WITH ALL TRADES. IT IS THE  
RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACTUAL  
LOCATION OF EQUIPMENT, CONDUIT, PANELS, DUCTWORK,  
EQUIPMENT SUPPORTS, PIPES, ETC. AND MAKE THE  
INSTALLATION ACCURATELY. EXACT LOCATIONS FOR  
CONNECTIONS TO THE MECHANICAL SYSTEM SHALL BE FIELD  
VERIFIED.

9. ALL MATERIAL SHALL FIT THE SPACE AVAILABLE. VERIFY  
DIMENSIONS AND CLEARANCES AT BUILDING BEFORE  
COMMENCING WORK.

10. TRANSITION RECTANGULAR DUCTWORK ON BOTTOM AND SIDES  
INSTALL DUCT AS HIGH AS POSSIBLE AND MAINTAIN TOP OF  
DUCTWORK LEVEL.

11. FLEXIBLE DUCT RUNOUTS TO CEILING DIFFUSERS SHALL BE AS  
STRAIGHT AS POSSIBLE AND FREE OF SAGS AND KINKS WITH  
PROPER STRAP SUPPORTS CONNECTED TO THE STRUCTURE.

12. DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.

13. PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES AND  
REGISTERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.

14. ALL FANS, DAMPERS, AND OTHER MECHANICAL ITEMS ABOVE  
CEILING SHALL BE ACCESSIBLE. CONTRACTOR SHALL  
COORDINATE AT ACCESS PANELS IN CEILINGS OR WALLS.  
REFER TO THE PROJECT SPECIFICATIONS FOR ACCESS  
PANEL REQUIREMENTS.

15. CONTRACTORS SHALL COORDINATE VOLTAGE AND PHASE OF  
EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR  
PRIOR TO ORDERING.

16. INSTALL THERMOSTATS AND TEMPERATURE SENSORS AT  
PROPER ELEVATIONS TO COORDINATE WITH LATEST ADA  
REQUIREMENTS WITH ASSOCIATED CONTROL WIRING  
AND CONDUIT. REFER TO SPECIFICATIONS.

17. COORDINATE DUCTWORK INSTALLATION WITH PLUMBING, FIRE  
PROTECTION AND ELECTRICAL SYSTEMS. MAKE OFFSETS AND  
TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT  
ADDITIONAL CHARGE.

18. INSTALL HVAC EQUIPMENT AS INDICATED IN THE CONTRACT  
DOCUMENTS AND IN ACCORDANCE TO MANUFACTURER'S  
RECOMMENDATIONS.

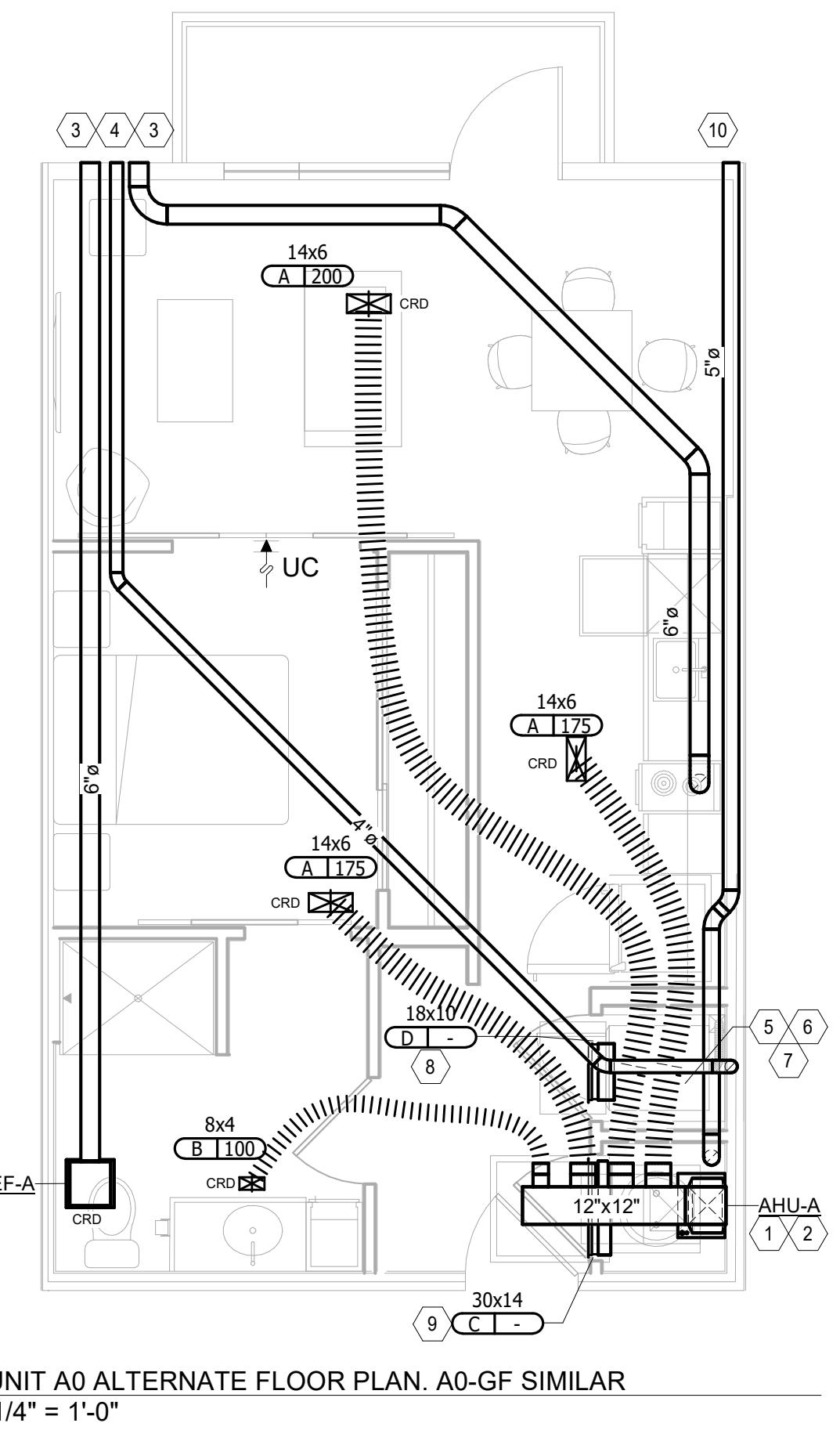
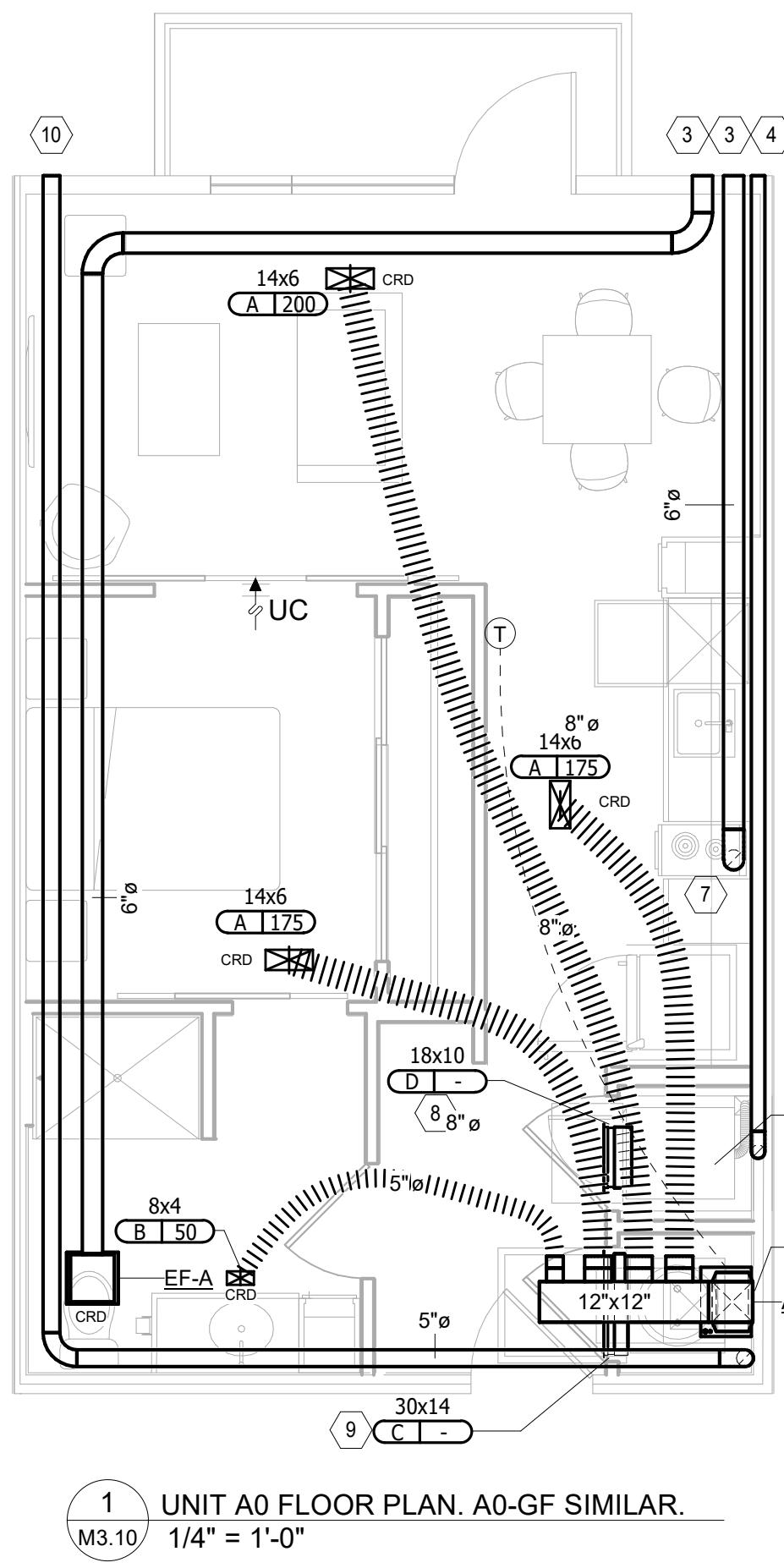
19. GUARANTEE ALL HVAC EQUIPMENT AND SYSTEMS FOR ONE YEAR  
AFTER OWNER ACCEPTANCE. ALL HVAC EQUIPMENT WITH  
COMPRESSORS SHALL INCLUDE EXTENDED PARTS WARRANTY TO  
COVER COMPRESSORS FOR 5 YEARS AFTER OWNER ACCEPTANCE.

20. AIR MOVING EQUIPMENT SHALL NOT BE OPERATED UNTIL 2" THICK  
TEMPORARY AIR FILTERS ARE IN PLACE. IF ANY EQUIPMENT IS  
OPERATED WITHOUT ANY PART OF CONSTRUCTION, NEW CLEAN  
FILTERS SHALL BE PROVIDED AT LEAST WEEKLY. PROVIDE AN  
EXTRA SET OF CLEAN FILTERS AT THE TIME OF FINAL INSPECTION  
BY THE ENGINEER.

21. INSTALL RESTRAINTS AND FASTENERS TO MEET LOCAL SEISMIC  
AND WIND LOAD CODES. SEE CONTRACT DOCUMENTS FOR  
COORDINATE WHAT MEET THESE REQUIREMENTS. INSTALL  
ADDITIONAL SUPPORTS, VIBRATION ISOLATION, SPECIALTY  
CONNECTIONS/FITTINGS, AND ATTACH ROOF CURBS TO  
STRUCTURE. PROVIDE RATIONAL ANALYSIS CALCULATIONS  
IF REQUIRED. COORDINATE WITH ARCHITECT AND  
STRUCTURAL ENGINEER.

22. UNLESS NOTED OTHERWISE, ALL HVAC THERMOSTATS SHALL BE  
7-DAY PROGRAMMABLE TYPE WITH THE FOLLOWING FEATURES:  
OC/PIR/PIR/OC/PIR/OC/PIR, 7 DAY SETBACK, 7 DAY  
GROSVENOR PROTECTION, BATT/BATT BACKUP, OVERRIDE BUTTON  
(2 HR DURATION), PROGRAM EQUIPMENT SETPOINTS IN  
ACCORDANCE WITH CODE REQUIREMENTS, 75 DEGREES F  
(COOLING) AND 70 DEGREES F (HEATING) FOR OCCUPIED MODE;  
85 DEGREES F (COOLING) AND 65 DEGREES F (HEATING) FOR  
UNOCCUPIED MODE.

23. PROVIDE MINIMUM OF 36" CLEARANCE DEPTH IN FRONT OF  
CONTROL PANELS, VFD'S AND OTHER ELECTRICAL COMPONENTS  
OF HVAC EQUIPMENT. PROVIDE 12" CLEARANCE FOR  
EQUIPMENT UP TO 150 V. INCREASE CLEARANCE TO 42" FOR  
EQUIPMENT UP TO 300 V. INCREASE CLEARANCE TO 60" FOR  
EQUIPMENT UP TO 600 V. INCREASE CLEARANCE TO 72" FOR  
EQUIPMENT UP TO 1000 V. INCREASE CLEARANCE TO 84" FOR  
EQUIPMENT UP TO 1500 V. INCREASE CLEARANCE TO 96" FOR  
EQUIPMENT UP TO 2000 V. INCREASE CLEARANCE TO 108" FOR  
EQUIPMENT UP TO 2500 V. INCREASE CLEARANCE TO 120" FOR  
EQUIPMENT UP TO 3000 V. INCREASE CLEARANCE TO 132" FOR  
EQUIPMENT UP TO 3500 V. INCREASE CLEARANCE TO 144" FOR  
EQUIPMENT UP TO 4000 V. INCREASE CLEARANCE TO 156" FOR  
EQUIPMENT UP TO 4500 V. INCREASE CLEARANCE TO 168" FOR  
EQUIPMENT UP TO 5000 V. INCREASE CLEARANCE TO 180" FOR  
EQUIPMENT UP TO 5500 V. INCREASE CLEARANCE TO 192" FOR  
EQUIPMENT UP TO 6000 V. INCREASE CLEARANCE TO 204" FOR  
EQUIPMENT UP TO 6500 V. INCREASE CLEARANCE TO 216" FOR  
EQUIPMENT UP TO 7000 V. INCREASE CLEARANCE TO 228" FOR  
EQUIPMENT UP TO 7500 V. INCREASE CLEARANCE TO 240" FOR  
EQUIPMENT UP TO 8000 V. INCREASE CLEARANCE TO 252" FOR  
EQUIPMENT UP TO 8500 V. INCREASE CLEARANCE TO 264" FOR  
EQUIPMENT UP TO 9000 V. INCREASE CLEARANCE TO 276" FOR  
EQUIPMENT UP TO 9500 V. INCREASE CLEARANCE TO 288" FOR  
EQUIPMENT UP TO 10000 V. INCREASE CLEARANCE TO 300" FOR  
EQUIPMENT UP TO 10500 V. INCREASE CLEARANCE TO 312" FOR  
EQUIPMENT UP TO 11000 V. INCREASE CLEARANCE TO 324" FOR  
EQUIPMENT UP TO 11500 V. INCREASE CLEARANCE TO 336" FOR  
EQUIPMENT UP TO 12000 V. INCREASE CLEARANCE TO 348" FOR  
EQUIPMENT UP TO 12500 V. INCREASE CLEARANCE TO 360" FOR  
EQUIPMENT UP TO 13000 V. INCREASE CLEARANCE TO 372" FOR  
EQUIPMENT UP TO 13500 V. INCREASE CLEARANCE TO 384" FOR  
EQUIPMENT UP TO 14000 V. INCREASE CLEARANCE TO 396" FOR  
EQUIPMENT UP TO 14500 V. INCREASE CLEARANCE TO 408" FOR  
EQUIPMENT UP TO 15000 V. INCREASE CLEARANCE TO 420" FOR  
EQUIPMENT UP TO 15500 V. INCREASE CLEARANCE TO 432" FOR  
EQUIPMENT UP TO 16000 V. INCREASE CLEARANCE TO 444" FOR  
EQUIPMENT UP TO 16500 V. INCREASE CLEARANCE TO 456" FOR  
EQUIPMENT UP TO 17000 V. INCREASE CLEARANCE TO 468" FOR  
EQUIPMENT UP TO 17500 V. INCREASE CLEARANCE TO 480" FOR  
EQUIPMENT UP TO 18000 V. INCREASE CLEARANCE TO 492" FOR  
EQUIPMENT UP TO 18500 V. INCREASE CLEARANCE TO 504" FOR  
EQUIPMENT UP TO 19000 V. INCREASE CLEARANCE TO 516" FOR  
EQUIPMENT UP TO 19500 V. INCREASE CLEARANCE TO 528" FOR  
EQUIPMENT UP TO 20000 V. INCREASE CLEARANCE TO 540" FOR  
EQUIPMENT UP TO 20500 V. INCREASE CLEARANCE TO 552" FOR  
EQUIPMENT UP TO 21000 V. INCREASE CLEARANCE TO 564" FOR  
EQUIPMENT UP TO 21500 V. INCREASE CLEARANCE TO 576" FOR  
EQUIPMENT UP TO 22000 V. INCREASE CLEARANCE TO 588" FOR  
EQUIPMENT UP TO 22500 V. INCREASE CLEARANCE TO 600" FOR  
EQUIPMENT UP TO 23000 V. INCREASE CLEARANCE TO 612" FOR  
EQUIPMENT UP TO 23500 V. INCREASE CLEARANCE TO 624" FOR  
EQUIPMENT UP TO 24000 V. INCREASE CLEARANCE TO 636" FOR  
EQUIPMENT UP TO 24500 V. INCREASE CLEARANCE TO 648" FOR  
EQUIPMENT UP TO 25000 V. INCREASE CLEARANCE TO 660" FOR  
EQUIPMENT UP TO 25500 V. INCREASE CLEARANCE TO 672" FOR  
EQUIPMENT UP TO 26000 V. INCREASE CLEARANCE TO 684" FOR  
EQUIPMENT UP TO 26500 V. INCREASE CLEARANCE TO 696" FOR  
EQUIPMENT UP TO 27000 V. INCREASE CLEARANCE TO 708" FOR  
EQUIPMENT UP TO 27500 V. INCREASE CLEARANCE TO 720" FOR  
EQUIPMENT UP TO 28000 V. INCREASE CLEARANCE TO 732" FOR  
EQUIPMENT UP TO 28500 V. INCREASE CLEARANCE TO 744" FOR  
EQUIPMENT UP TO 29000 V. INCREASE CLEARANCE TO 756" FOR  
EQUIPMENT UP TO 29500 V. INCREASE CLEARANCE TO 768" FOR  
EQUIPMENT UP TO 30000 V. INCREASE CLEARANCE TO 780" FOR  
EQUIPMENT UP TO 30500 V. INCREASE CLEARANCE TO 792" FOR  
EQUIPMENT UP TO 31000 V. INCREASE CLEARANCE TO 804" FOR  
EQUIPMENT UP TO 31500 V. INCREASE CLEARANCE TO 816" FOR  
EQUIPMENT UP TO 32000 V. INCREASE CLEAR



## GENERAL NOTES:

1. FLEXIBLE DUCTWORK ON RESIDENTIAL LEVELS NOT TO EXCEED 25 FEET.
2. BALANCE OA TO EACH UNIT AS SHOWN IN MECHANICAL VENTILATION SCHEDULES.
3. PROTECT ALL DUCT PENETRATIONS THROUGH CORRIDOR WALLS WITH A THROUGH-PENETRATION FIRE STOP SYSTEM.
4. DRYER VENTING INSTALLATION SHALL COMPLY WITH THE LOUISIANA MECHANICAL CODE. DRYER VENTING SHALL NOT EXCEED 35 FEET OF EQUIVALENT LENGTH OVERCOMING THE RESISTANCE OF THE ACTUAL VENTING INSTALLATION AND RATED FOR MINIMUM OF 120 FEET WITH FOUR (4) 90-DEGREE ELBOWS.
5. WHERE THE DRYER EXHAUST DUCT EQUIVALENT LENGTH EXCEEDS 35 FT THE CONTRACTOR SHALL PROVIDE A PERMANENT LABEL OR TAG IDENTIFYING THE EQUIVALENT LENGTH OF THE EXHAUST DUCT FACTORING IN ELBOWS. THE LABEL OR TAG SHALL BE LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION.
6. PROVIDE MANUAL BALANCING DAMPERS WHERE OUTSIDE AIR DUCTS PENETRATE INTO INDIVIDUAL MECHANICAL CLOSETS.
7. ROUTE RS&L LINES FROM MECHANICAL CLOSET UP TO ROOF. SIZE REFRIGERANT PER MANUFACTURER'S SPECIFICATIONS TYPICAL.

KE ROUTE INSULATED 3/4" CONDENSATE DRAIN WITH P-TRAP FROM AIR HANDLER TO HUB DRAIN LOCATED IN MECHANICAL CLOSET. SEE PLUMBING DRAWINGS FOR DRAIN LOCATION.

② PROVIDE CEILING RADIATION DAMPER IN VERTICAL DUCTWORK AT CEILING PENETRATION.

③ FOR TOILET AND KITCHEN EXHAUST, FURNISH AND INSTALL SINGLE LOUVERED WALL CAP WITH BWD. EQUAL SIZE TO DRYER EXHAUST WALL CAP. COORDINATE MOUNTING HEIGHT AND LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN. KEEP MINIMUM 10'-0" FROM ALL BUILDING INLETS. PROVIDE WITH INSECT SCREEN.

④ FOR DRYER EXHAUST, FURNISH AND INSTALL HOODED WALL CAP COORDINATE MOUNTING HEIGHT AND LOCATION AS DETERMINED BY SCREENS OR FASTENERS EXTRUDING INTO THE PATH OF AIRFLOW.

⑤ ULLISTED DRYER BOX TO BE PROVIDED AND INSTALLED IN A 6" WALL FOR DRYER CONNECTION. COORDINATE EXHAUST MOUNTING HEIGHT WITH DRYER DISCHARGE POINT PRIOR TO ROUGH-IN.

⑥ PROVIDE AND INSTALL WALL-MOUNTED DRYER SIGN. INDICATE LENGTH OF DRYER DUCT AND NUMBER OF ELBOWS. SEE DRYER VENT WARNING SIGN DETAIL.

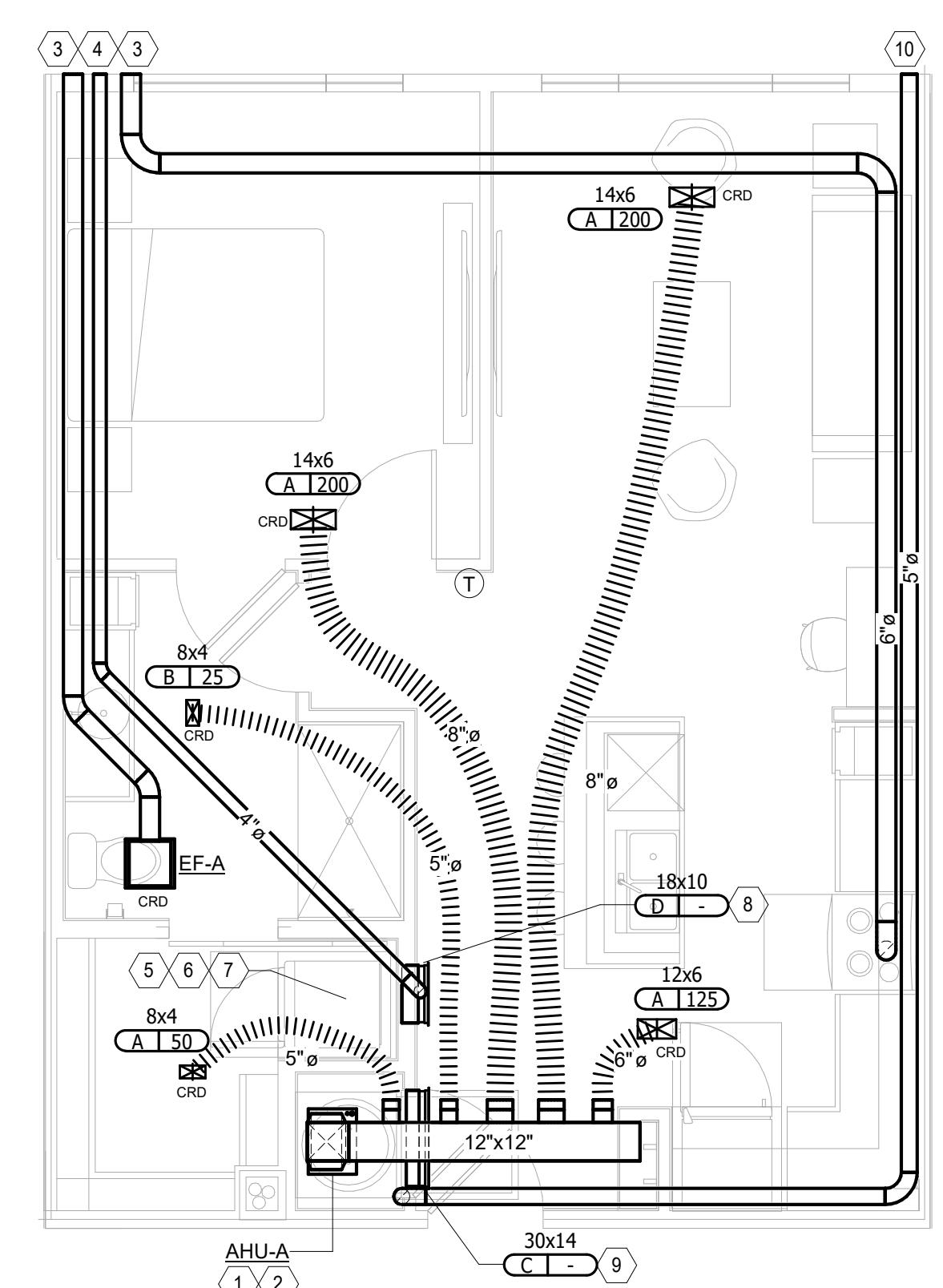
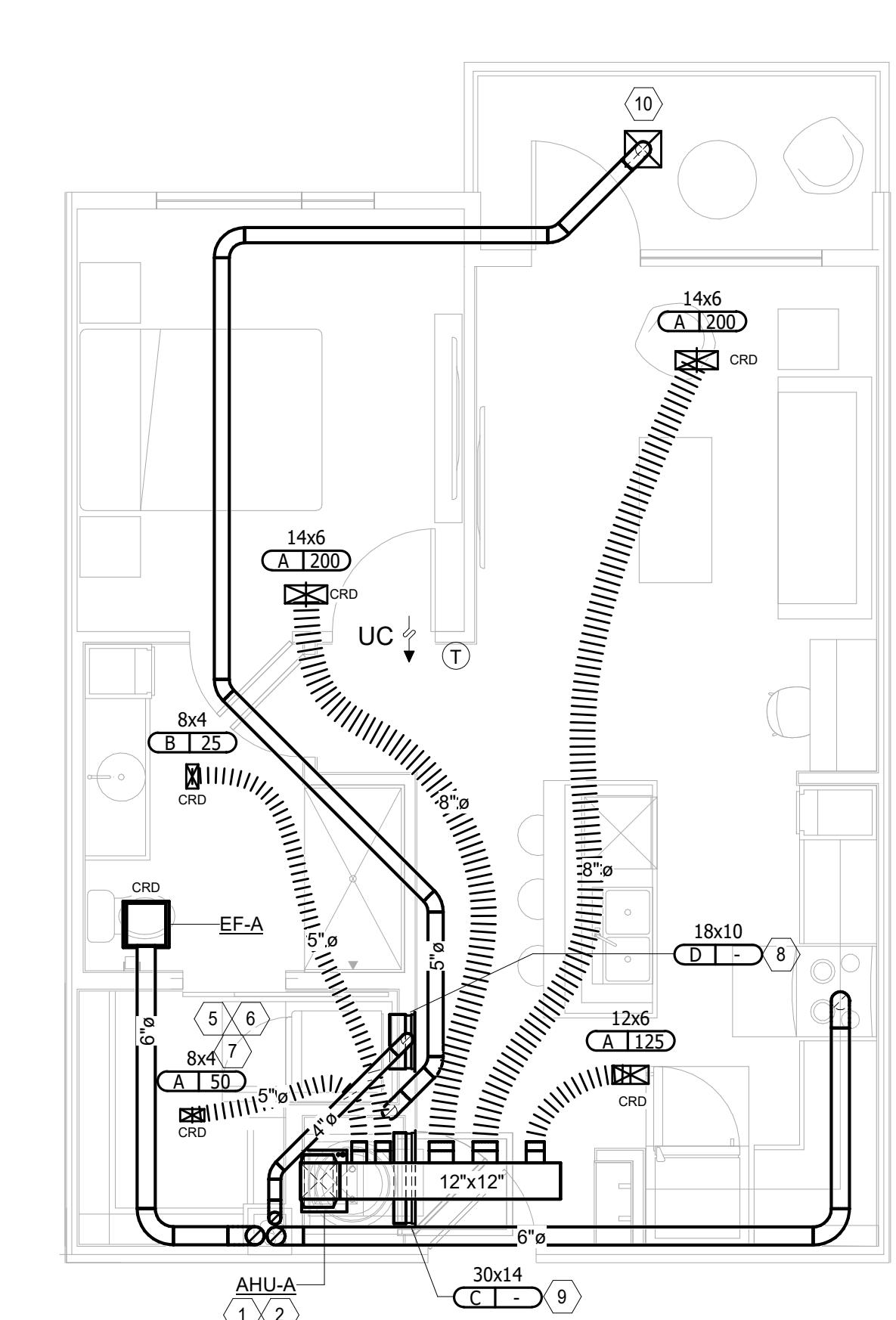
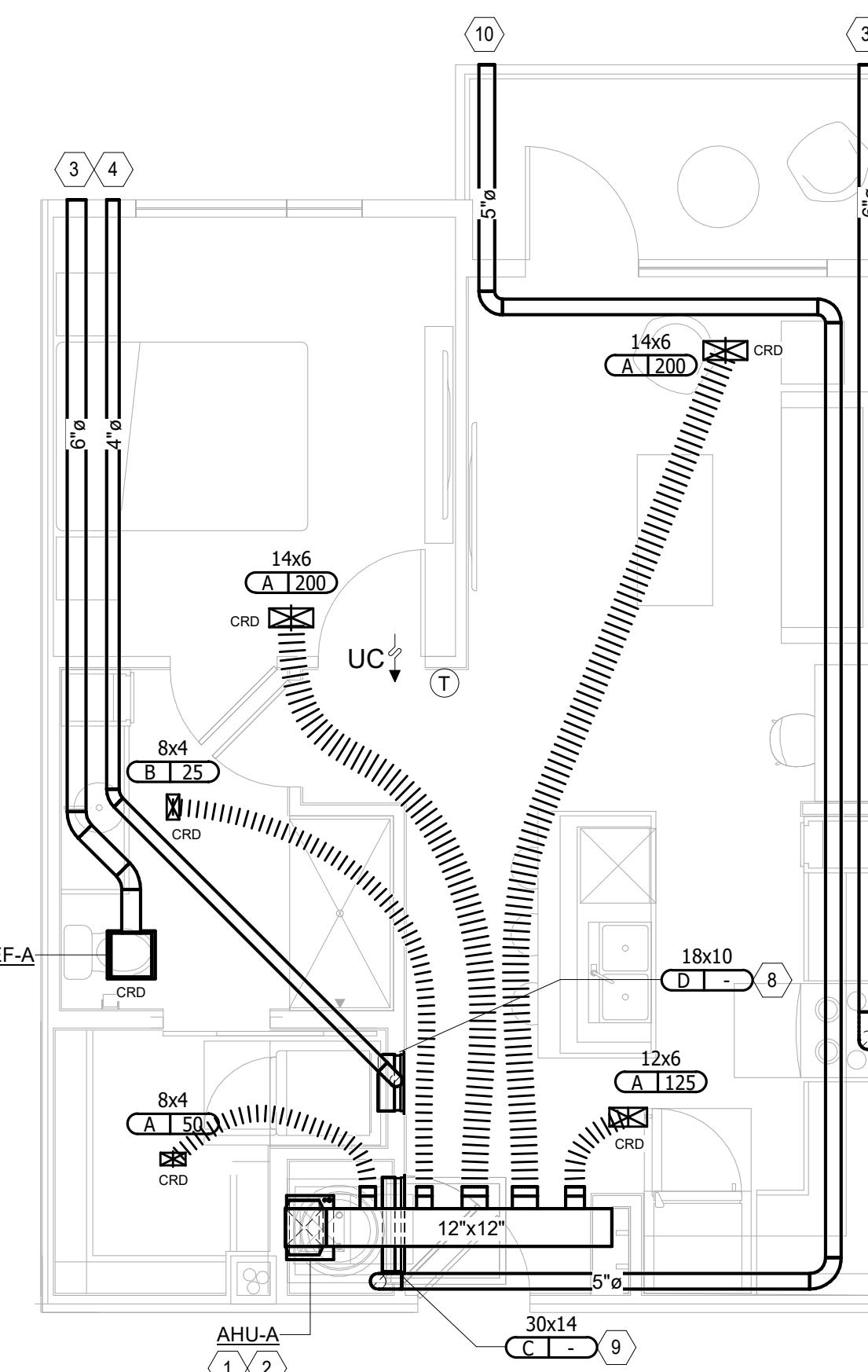
⑦ FIRE STOP DRYER EXHAUST DUCT AT TOP PLATE PENETRATION. SEE DRYER EXHAUST ROUTING DETAIL.

⑧ 18x10 DRYER MAKEUP GRILL. LOCATE ABOVE DOOR.

⑨ RETURN AIR GRILLE. LOCATE ABOVE DOOR.

⑩ OUTSIDE AIR INTAKE. MOUNT AT SAME HEIGHT AS TOILET, KITCHEN, AND DRYER EXHAUST VENTS. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.

⑪ ROUTE TOILET, KITCHEN, AND DRYER EXHAUST UP THROUGH SHAFT TO GOOSENECK CAP ON ROOF. SEE ARCHITECTURAL DRAWINGS.



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**ISSUE DATE** DECEMBER 15, 2023 **DESCRIPTION** ISSUE FOR PRICING BIDDING

**Project Number**  
**2023-00687**

## **GENERAL NOTES:**

1. FLEXIBLE DUCTWORK ON RESIDENTIAL LEVELS NOT TO EXCEED 25 FEET.
2. BALANCE OA TO EACH UNIT AS SHOWN IN MECHANICAL VENTILATION SCHEDULES.
3. PROTECT ALL DUCT PENETRATIONS THROUGH CORRIDOR WALLS WITH A THROUGH-PENETRATION FIRE STOP SYSTEM.
4. DRYER VENTING INSTALLATION SHALL COMPLY WITH THE LOUISIANA MECHANICAL CODE, SECTION 504. DRYERS SHALL BE LONG VENT TYPE, CAPABLE OF OVERCOMING THE RESISTANCE OF THE ACTUAL VENTING INSTALLATION AND RATED FOR MINIMUM OF 120 FEET WITH FOUR (4) 90-DEGREE ELBOWS.
5. WHERE THE DRYER EXHAUST DUCT EQUIVALENT LENGTH EXCEEDS 35 FT THE CONTRACTOR SHALL PROVIDE A PERMANENT LABEL OR TAG IDENTIFYING THE EQUIVALENT LENGTH OF THE EXHAUST DUCT FACTORING IN ELBOWS. THE LABEL OR TAG SHALL BE LOCATED WITHIN 6 FEET OF THE EXHAUST DUCT CONNECTION.
6. PROVIDE MANUAL BALANCING DAMPERS WHERE OUTSIDE AIR DUCTS PENETRATE INTO INDIVIDUAL MECHANICAL CLOSETS.
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- 1 ROUTE 3/4" CONDENSATE DRAIN WITH P-TRAP FROM AIR HANDLER TO HUB DRAIN. SEE PLUMBING DRAWINGS FOR DRAIN LOCATION.
- 2 PROVIDE CEILING RADIATION DAMPER IN VERTICAL DUCTWORK AT CEILING PENETRATION.
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- 11 ROUTE TOILET, KITCHEN, AND DRYER EXHAUST UP THROUGH SHAFT TO GOOSENECK CAP ON ROOF. SEE ARCHITECTURAL DRAWINGS.

# RESIDENCES @ HIGHLAND

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BATON ROUGE, LOUISIANA

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## REVISIONS

Δ	DESCRIPTION	DATE
	ISSUE FOR PRICING / BIDDING	12/15/2018

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DBS                    SSL

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**SHEET NAME**

# FLOOR PLAN

## UNITS A3, B1, B2

### - MECHANICAL

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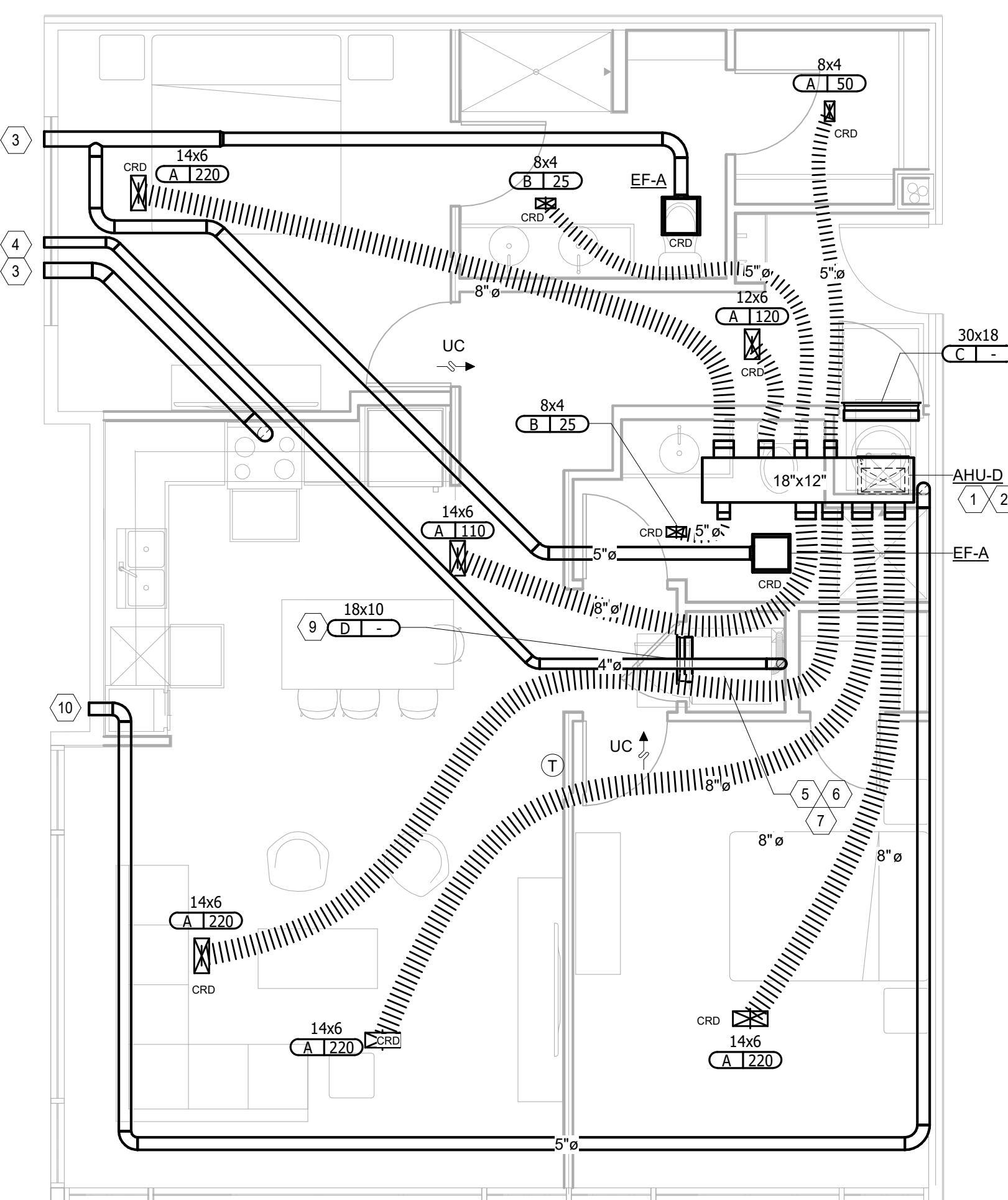
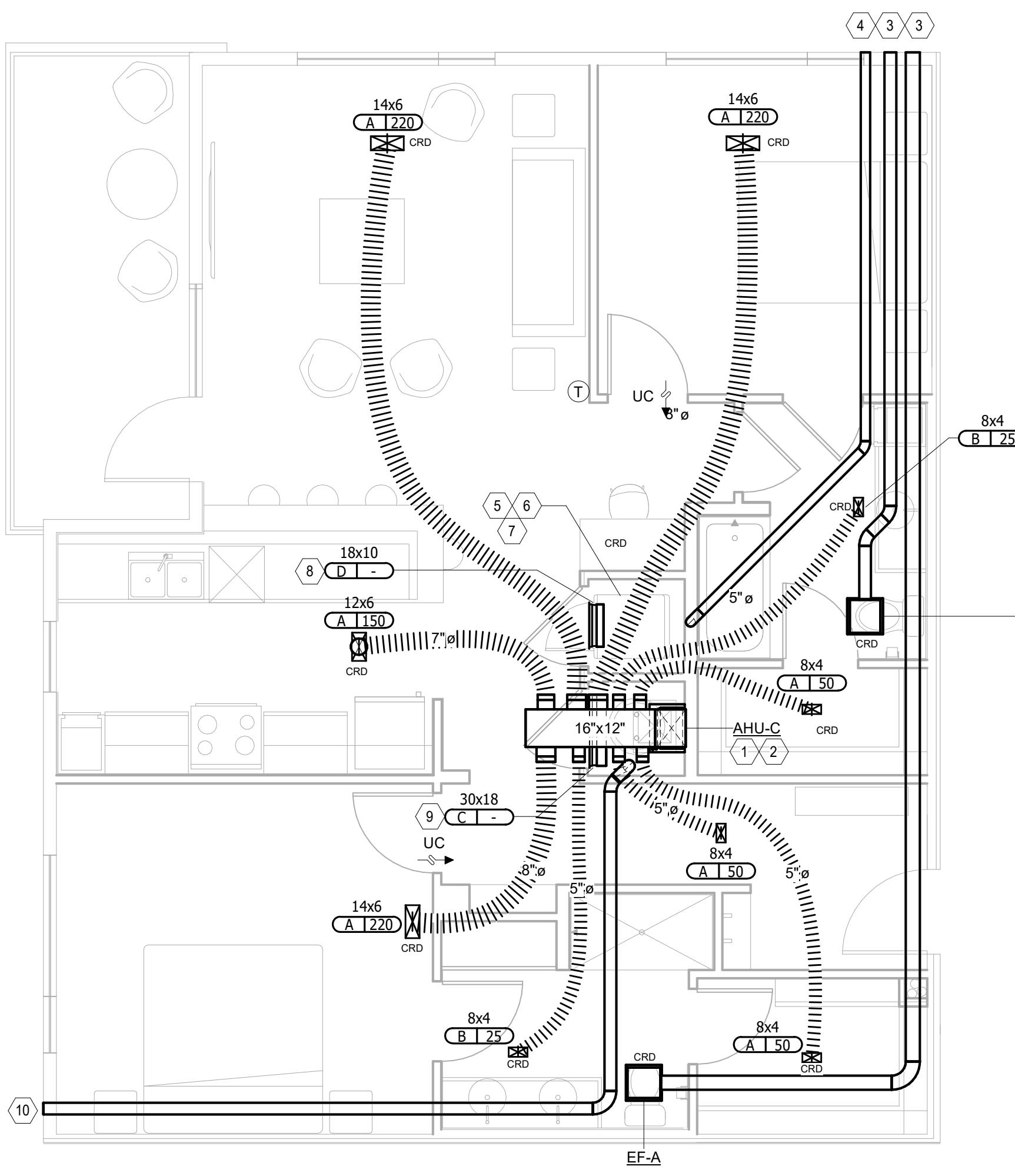
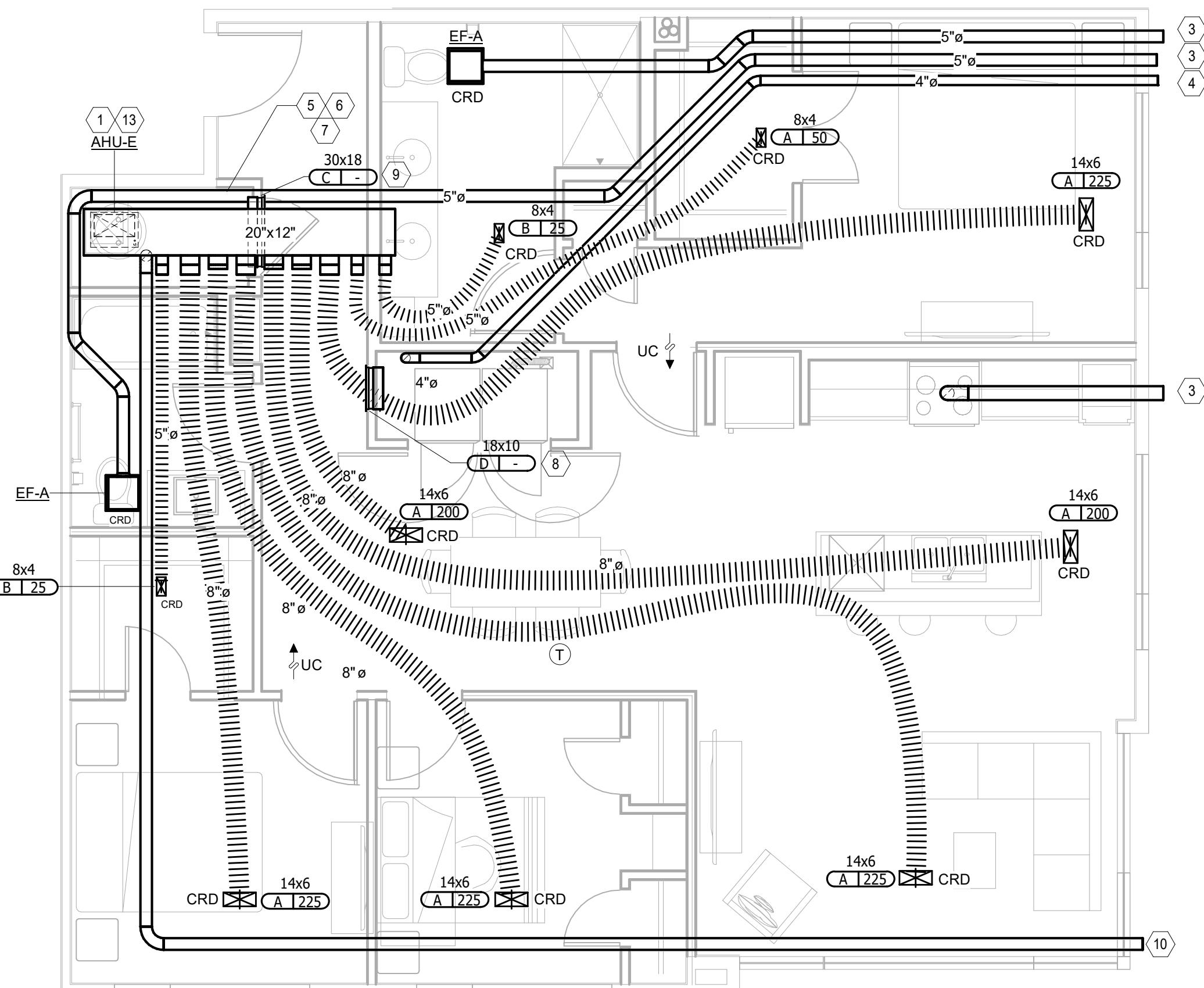
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<b>M3.11</b>	

## GENERAL NOTES:

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6. PROVIDE MANUAL BALANCING DAMPERS WHERE OUTSIDE AIR DUCTS PENETRATE INTO INDIVIDUAL MECHANICAL CLOSETS.
7. ROUTE RSL LINES FROM MECHANICAL CLOSET UP TO ROOF. SIZE REFRIGERANT PER MANUFACTURER'S SPECIFICATIONS TYPICAL.

## KEYED NOTES:

1. ROUTE 3/4" CONDENSATE DRAIN WITH P-TRAP FROM AIR HANDLER TO HUB DRAIN. SEE PLUMBING DRAWINGS FOR DRAIN LOCATION.
2. PROVIDE CEILING RADIATION DAMPER IN VERTICAL DUCTWORK AT CEILING CELESTATION.
3. FOR TOILET AND KITCHEN EXHAUST, FURNISH AND INSTALL SINGLE LOUVERED WALL CAP WITH BBD, EQUAL SIZE TO DRYER EXHAUST WALL CAP COLLAR, TRANSITION, AND 4" DUCT. ALL WALL CAPS SHALL BE OF EXACT SIZE AND MOUNTED AT THE SAME HEIGHTS. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.
4. FOR DRYER EXHAUST, FURNISH AND INSTALL HOODED WALL CAP, COLLAR, AND 4" DUCT. EXHAUST SHALL NOT BE OBSTRUCTED BY SCREENS OR FASTENERS EXTRUDING INTO THE PATH OF AIRFLOW.
5. UL LISTED DRYER BOX TO ROOF AND INSTALLED IN A 6" WALL FOR DRYER CONNECTION. COORDINATE EXACT MOUNTING HEIGHT WITH DRYER DISCHARGE POINT PRIOR TO ROUGH-IN.
6. PROVIDE AND INSTALL WALL-MOUNTED DRYER SIGN. INDICATE LENGTH OF DRYER DUCT AND NUMBER OF ELBOWS. SEE DRYER VENT WARNING SIGN DETAIL.
7. FIRE STOP DRYER EXHAUST DUCT AT TOP PLATE PENETRATION. SEE DRYER EXHAUST ROUTING DETAIL.
8. 18x10 DRYER MAKEUP GRILLE, LOCATE ABOVE DOOR.
9. RETURN AIR GRILLE, LOCATE ABOVE DOOR.
10. OUTSIDE AIR INTAKE, MOUNT AT SAME HEIGHT AS TOILET, KITCHEN, AND DRYER EXHAUST VENTS. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.
11. MOUNT SIDEWALL REGISTER VERTICALLY. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.
12. ROUTE TOILET, KITCHEN, AND DRYER EXHAUST UP THROUGH SHAFT TO GOOSENECK CAP ON ROOF. SEE ARCHITECTURAL DRAWINGS.
13. PROVIDE CEILING RADIATION DAMPER IN HORIZONTAL DUCTWORK IN CEILING. PROVIDE WITH ACCESS PANEL IN MECHANICAL CLOSET FOR ACCESS.

1 UNIT B3 FLOOR PLAN. B3-GF SIMILAR  
M3.12 1/4" = 1'-0"2 UNIT B4 FLOOR PLAN. B4-ALT, B4-GF, B4-GF-ALT SIMILAR  
M3.12 1/4" = 1'-0"3 UNIT C1 FLOOR PLAN. C1-ALT SIMILAR.  
M3.12 1/4" = 1'-0"

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ISSUE DATE DECEMBER 15, 2023  
DESCRIPTION ISSUE FOR PRICING / BIDDING

Project Number  
2023-00687

RESIDENCES @  
HIGHLAND

BATON ROUGE, LOUISIANA

REVISIONS  
N 1 GROUND FLOOR OVERALL - MECHANICAL  
M4.10 1" = 20'-0"

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SHEET NAME

GROUND FLOOR  
MECHANICAL  
PLAN - OVERALL

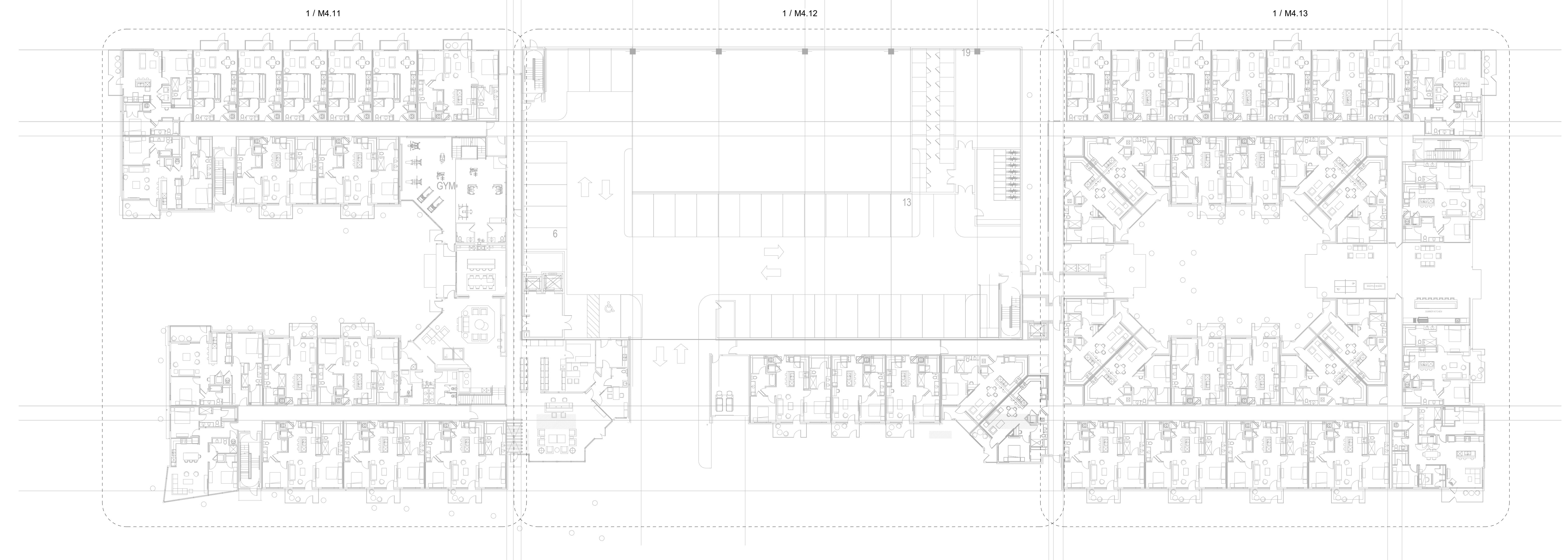
SHEET NUMBER M4.10  
REVISION

F  
12'-0"  
11'-0"  
10'-0"  
9'-0"  
8'-0"  
7'-0"  
6'-0"  
5'-0"  
4'-0"  
3'-0"  
2'-0"  
1'-0"  
0'-0"B  
A

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N  
1  
M4.10  
1" = 20'-0"

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## KEYED NOTES:

- ① CONNECT RETURN GRILLE DIRECTLY TO BOTTOM OF RETURN AIR DUCT.
- ② ROUTE SUPPLY AND RETURN DUCTWORK TO MECHANICAL ROOM. SEE DRAWING M4.12 FOR CONTINUATION.
- ③ 12x12 TRANSFER AIR GRILLE ABOVE DOOR.
- ④ PROVIDE WITH RETURN AIR DUCT MOUNTED SMOKE DETECTORS TIED TOGETHER FOR SHUT DOWN.
- ⑤ ROUTE CONDENSATE TO DRAIN WITHIN ROOM. TERMINATE WITH INDIRECT CONNECTION.
- ⑥ ROUTE R&L LINES FROM MECHANICAL ROOM UP TO ROOF. SIZE REFRIGERANT PER MANUFACTURER'S SPECIFICATIONS.

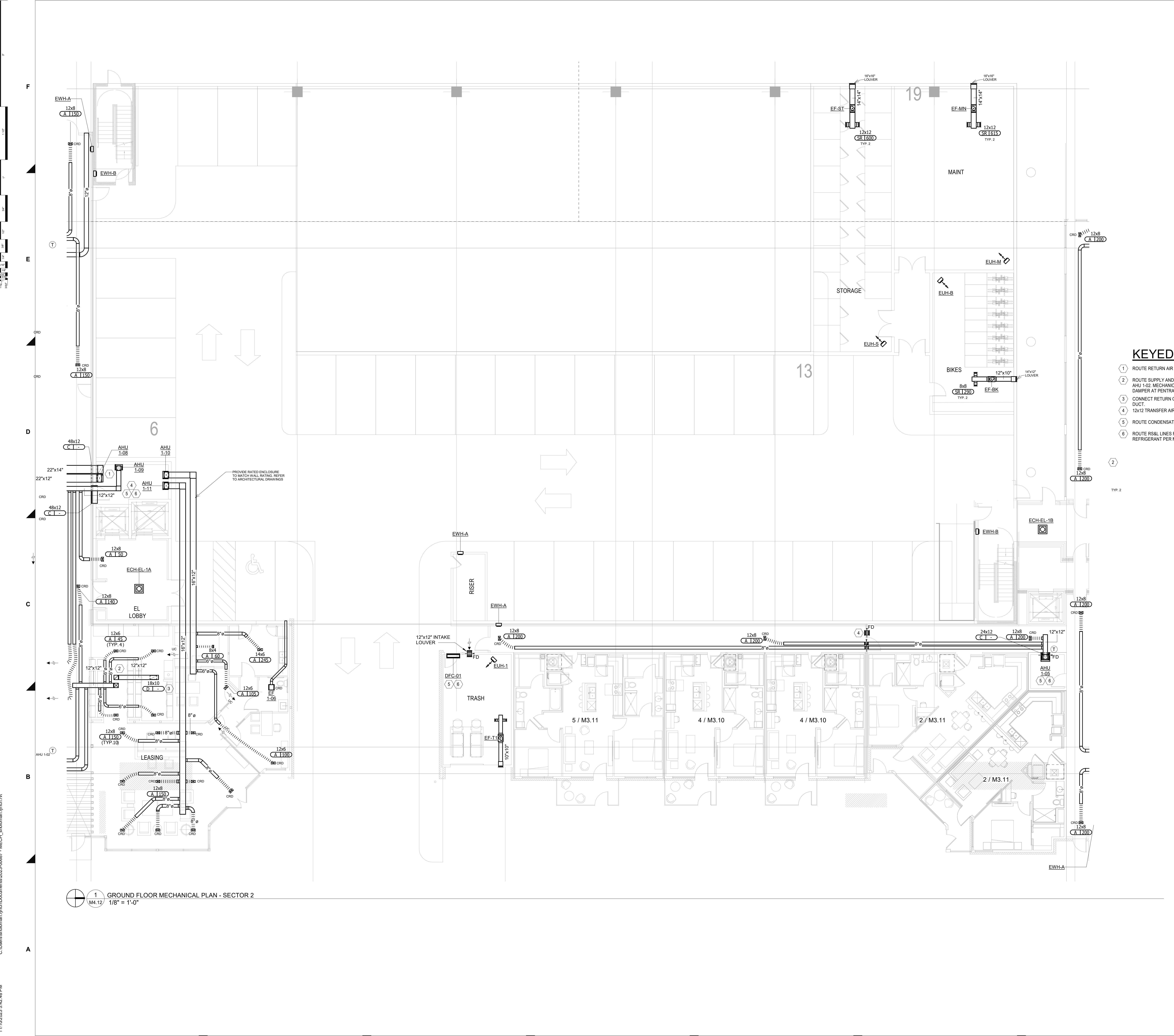
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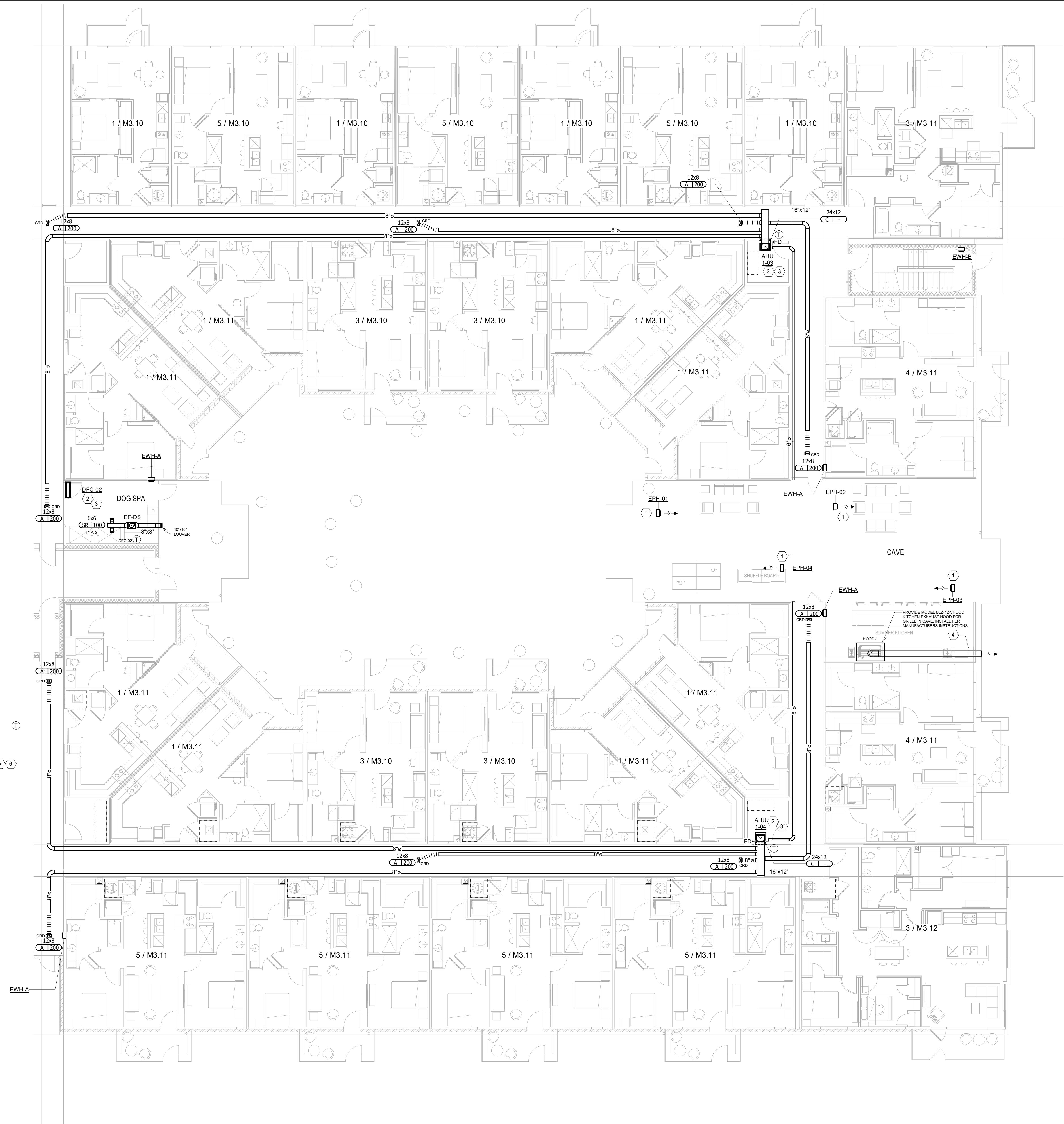
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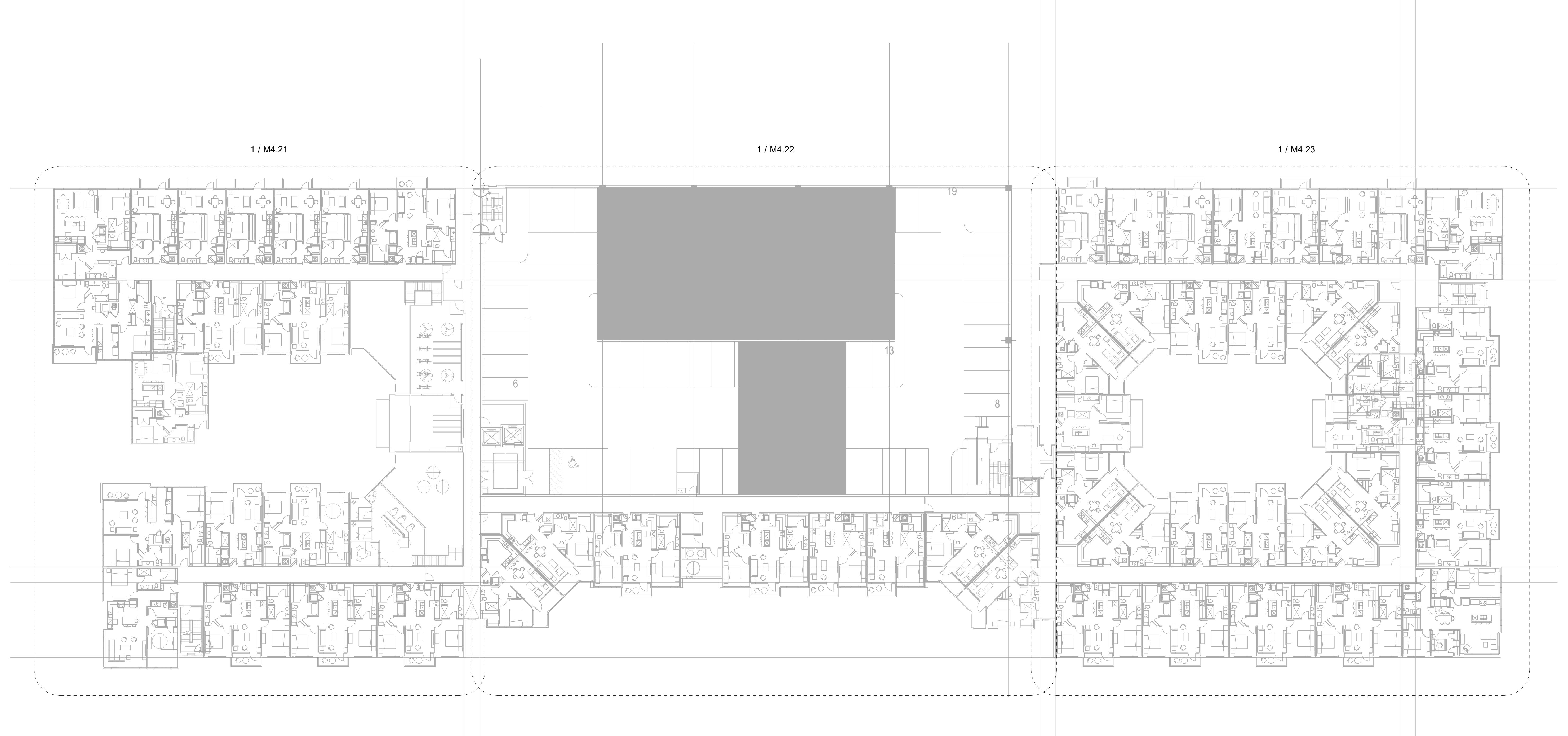
SHEET NAME

GROUND FLOOR  
MECHANICAL  
PLAN - SECTOR  
1



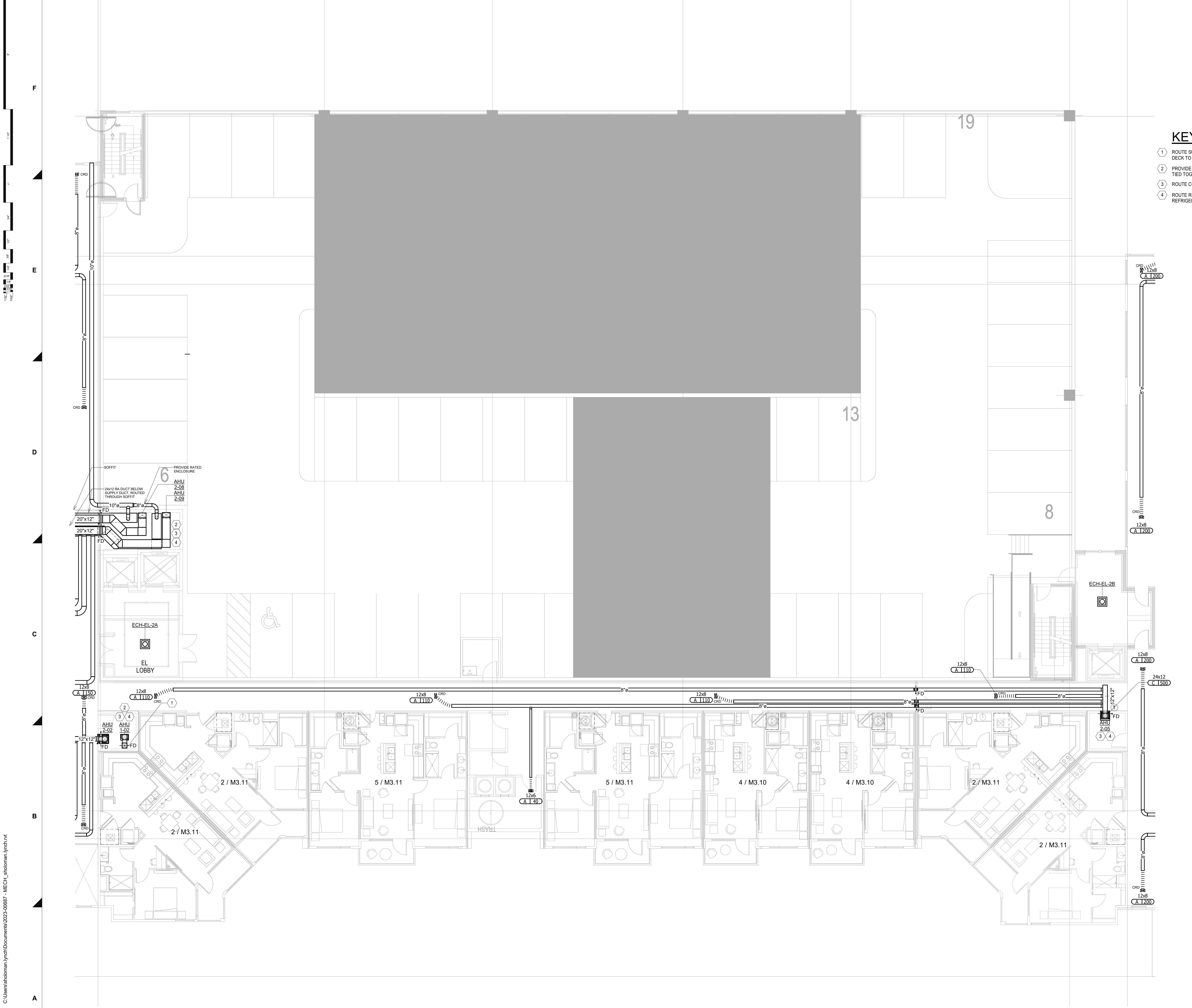


1 GROUND FLOOR MECHANICAL PLAN - SECTOR 3  
M4.13 1/8" = 1'-0"



N  
1 / M4.20 2ND FLOOR MECHANICAL PLAN - OVERALL  
1" = 20'-0"



1 2ND FLOOR MECHANICAL PLAN - SECTOR 2  
M4.22 1/8" = 1'-0"

2ND FLOOR MECHANICAL PLAN - SECTOR 3  
M4.23 1/8" = 1'-0"

## KEYED NOTES:

(1) ROUTE CONDENSATE TO DRAIN WITHIN ROOM.  
(2) ROUTE RSAL LINES FROM MECHANICAL ROOM UP TO ROOF SIZE  
REFRIGERANT PER MANUFACTURER'S SPECIFICATIONS.



F  
12'-0"  
11'-0"  
10'-0"  
9'-0"  
8'-0"  
7'-0"  
6'-0"  
5'-0"  
4'-0"  
3'-0"  
2'-0"  
1'-0"  
7'-0"

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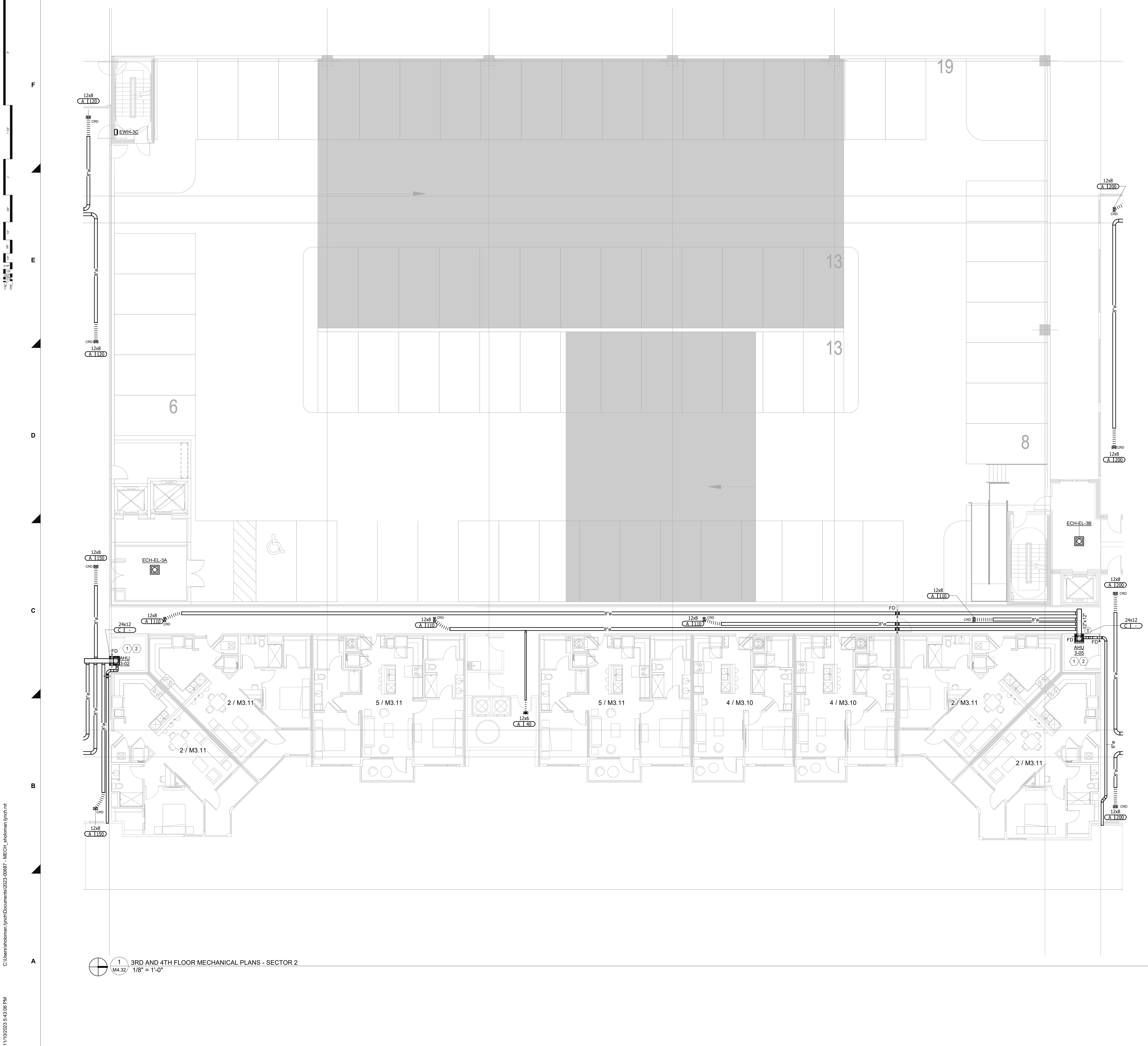
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1 3RD AND 4TH FLOOR MECHANICAL PLANS - SECTOR 1  
M4.31 1/8" = 1'-0"

## KEYED NOTES:

(1) ROUTE CONDENSATE TO DRAIN WITHIN ROOM.  
(2) ROUTE RSAL LINES FROM MECHANICAL ROOM UP TO ROOF. SIZE  
REFRIGERANT PER MANUFACTURER'S SPECIFICATIONS.



## KEYED NOTES:

- ① ROUTE CONDENSATE TO DRAIN WITHIN ROOM.
- ② ROUTE RS&L LINES FROM MECHANICAL ROOM UP TO ROOF. SIZE REFRIGERANT PER MANUFACTURER'S SPECIFICATIONS.



1 3RD AND 4TH FLOOR MECHANICAL PLANS - SECTOR 3  
M4.33 1/8" = 1'-0"

## KEYED NOTES:

(1) ROUTE CONDENSATE TO DRAIN WITHIN ROOM.  
(2) ROUTE RS&L LINES FROM MECHANICAL ROOM UP TO ROOF. SIZE REFRIGERANT PER MANUFACTURER'S SPECIFICATIONS.

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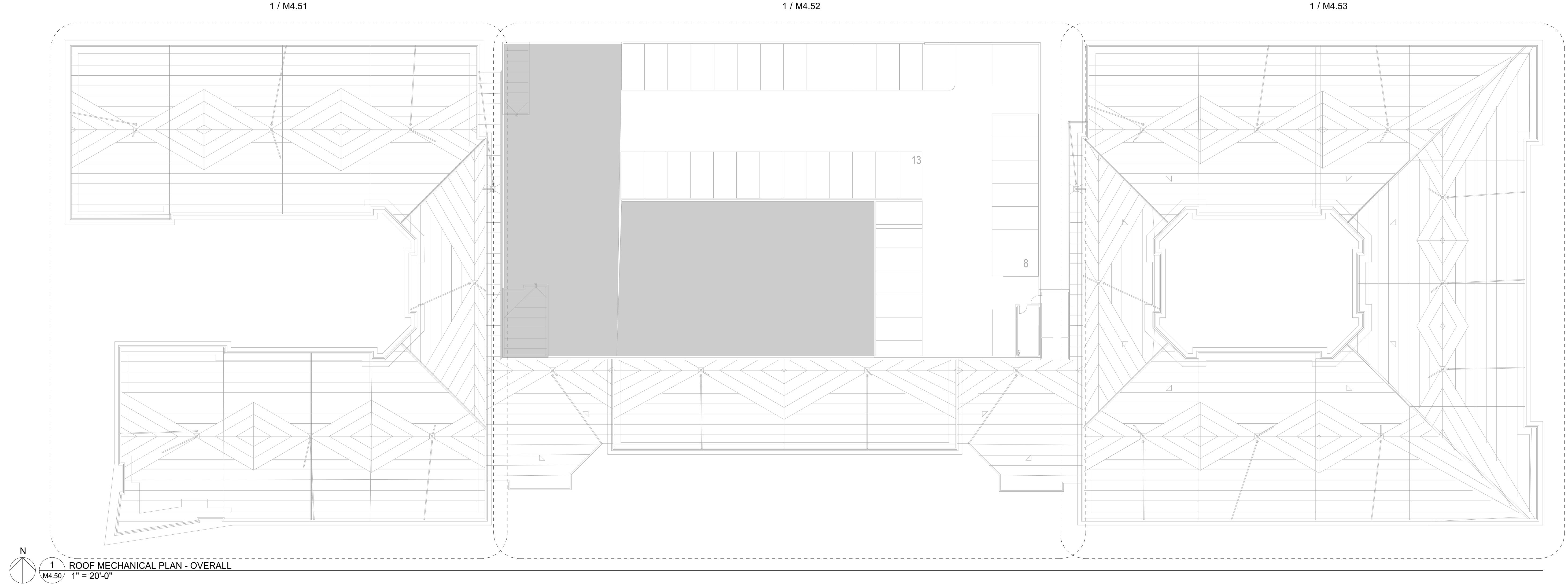
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ISSUE DATE	DESCRIPTION
DECEMBER 15, 2023	ISSUE FOR PRICING BIDDING

Project Number  
2023-00687

# RESIDENCES @ HIGHLAND

ATON ROUGE, LOUISIANA



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# ROOF MECHANICAL PLAN - OVERALL

HEET NUMBER | REVISION  
**M4.50**

RESIDENCES @  
HIGHLAND

BATON ROUGE, LOUISIANA

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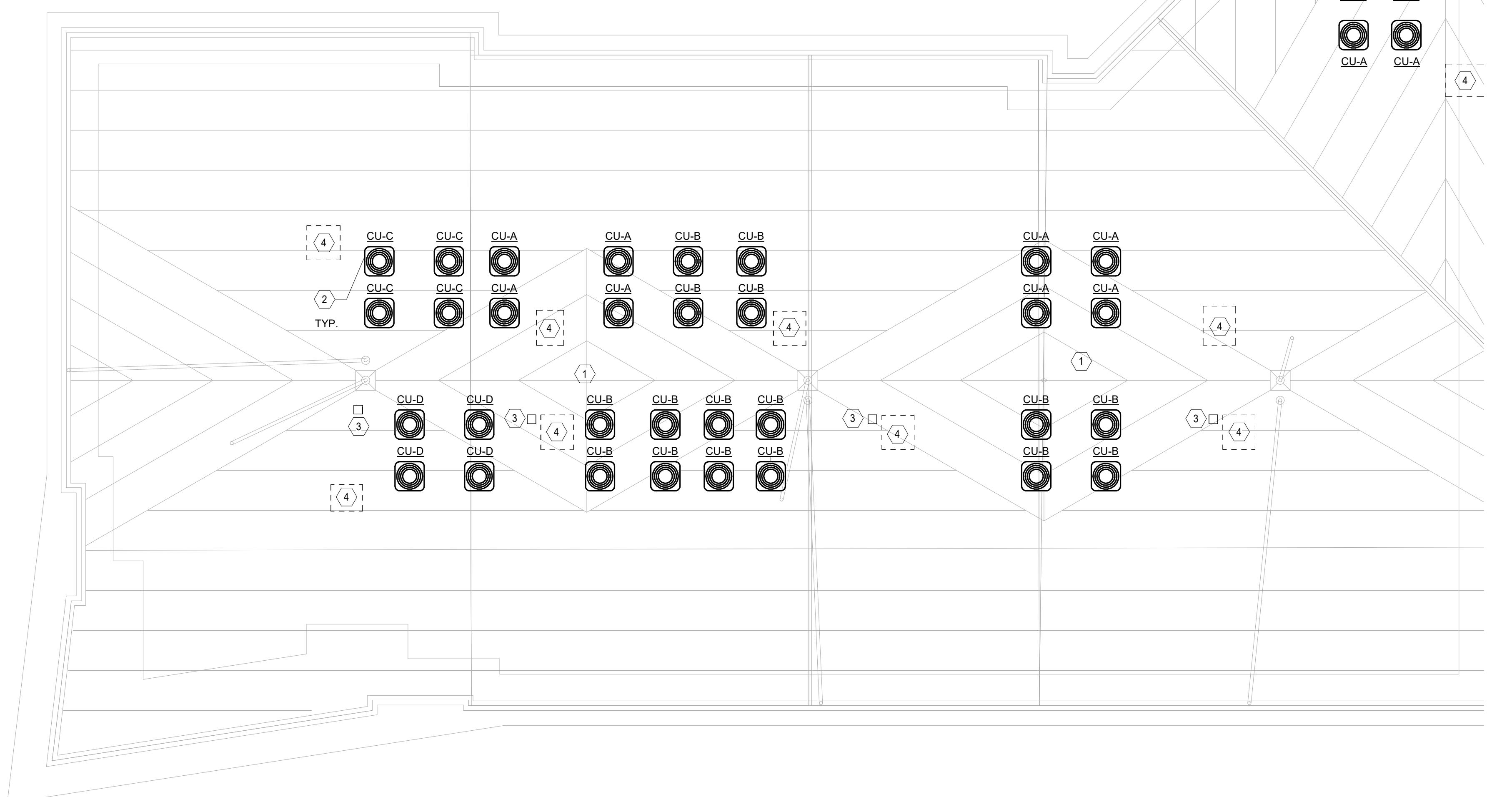
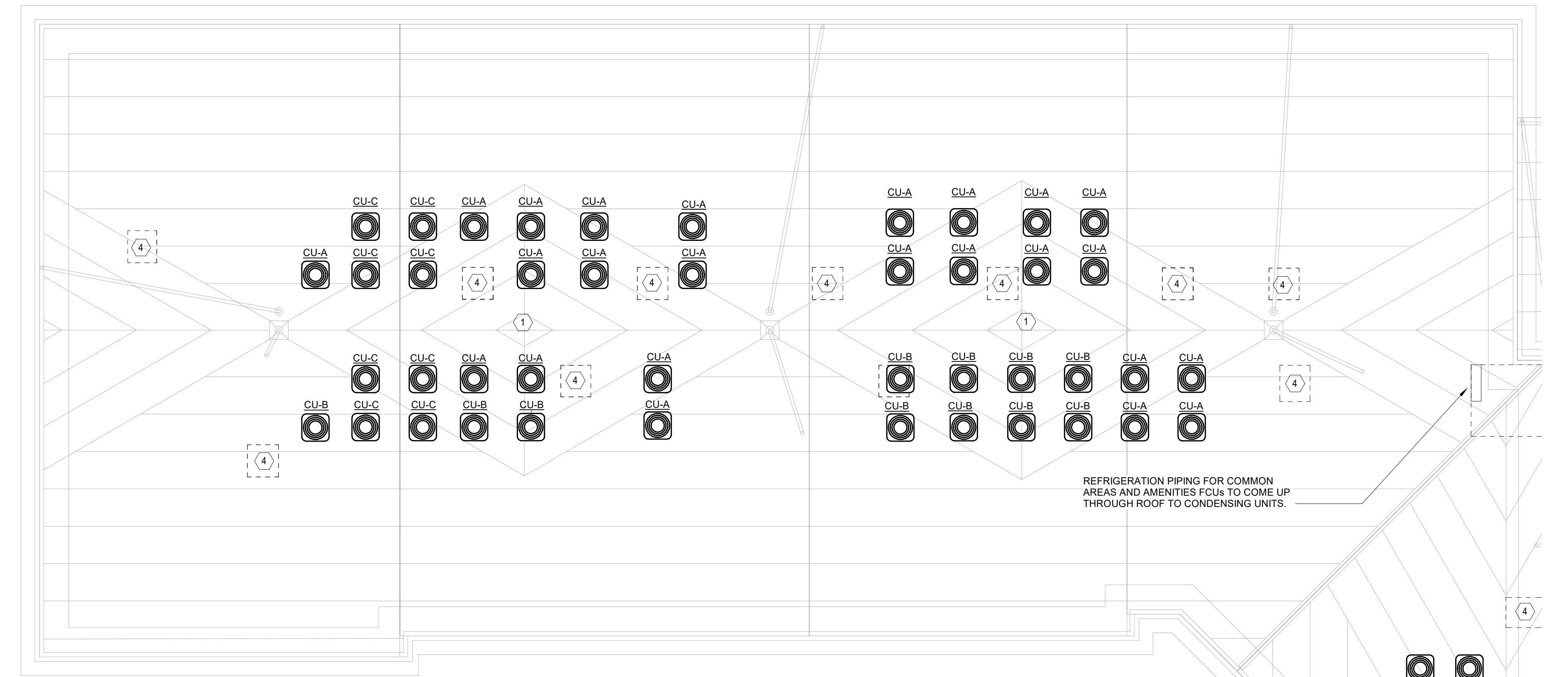
ROOF  
MECHANICAL  
PLAN - SECTOR  
1

## GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY COUNT OF UNITS PRIOR TO ORDERING.
2. PROVIDE BIG FOOT SYSTEMS MULTIFRAME 80720 OR SIMILAR FOR CONDENSING UNIT PLATFORM. CONTRACTOR SHALL REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND VIBRATION ISOLATION. SUPPORTS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW.

## KEYED NOTES:

- 1 FIELD ROUTE CONDENSING UNIT REFRIGERANT LINES DOWN INSIDE EXTERIOR WALL TO CEILING SPACE. SIZE REFRIGERANT LINES PER MANUFACTURER REQUEST. TYPICAL ALL CONDENSING UNITS.
- 2 PROVIDE WITH ROOF TOP MOUNTED EQUIPMENT SUPPORTING RACK WITH SPRING ISOLATION VIBRATION DAMPERS. TYPICAL ALL CONDENSING UNITS THIS AREA.
- 3 EXHAUST DUCTS UP TO ROOF FROM SHAFT TO TERMINATE IN ROOF HOOD. PROVIDE BACKDRAFT DAMPER ON DRYER VENT DUCT.
- 4 RS&L ROUTED FROM FCUs IN APARTMENTS BELOW TO CONDENSING UNITS ON ROOF. SIZE REFRIGERANT LINES PER MANUFACTURER REQUEST. TYPICAL ALL CONDENSING UNITS.
- 5 ROUTE SUPPLY AND RETURN DUCTWORK TO ELEVATOR SHAFT.



1  
M4.51  
ROOF MECHANICAL PLAN - SECTOR 1  
NOT TO SCALE

Project Number  
2023-00687RESIDENCES @  
HIGHLAND

BATON ROUGE, LOUISIANA

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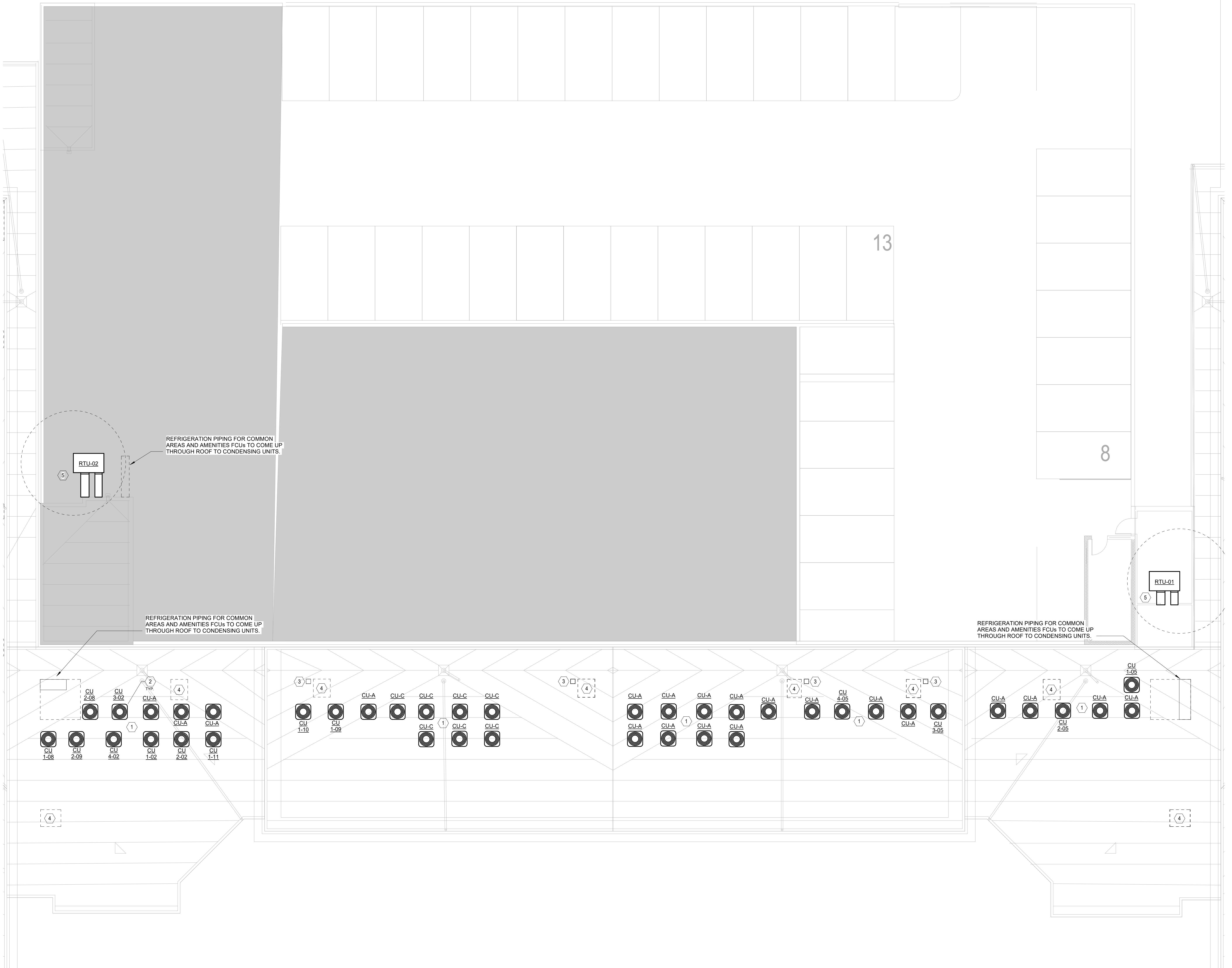
ROOF  
MECHANICAL  
PLAN - SECTOR  
2

## GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY COUNT OF UNITS PRIOR TO ORDERING.
2. PROVIDE BIG FOOT SYSTEMS MUL-TIFRAME BB720 OR SIMILAR FOR CONDENSING UNIT PLATFORM. CONTRACTOR SHALL REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND VIBRATION ISOLATION. SUPPORTS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW.

## KEYED NOTES:

- 1 FIELD ROUTE CONDENSING UNIT REFRIGERANT LINES DOWN INSIDE EXTERIOR WALL TO CEILING SPACE. SIZE REFRIGERANT LINES PER MANUFACTURER REQUEST. TYPICAL ALL CONDENSING UNITS.
- 2 PROVIDE WITH ROOF TOP MOUNTED EQUIPMENT SUPPORTING RACK WITH SPRING ISOLATION VIBRATION DAMPERS. TYPICAL ALL CONDENSING UNITS THIS AREA.
- 3 EXHAUST DUCTS UP TO ROOF FROM SHAFT TO TERMINATE IN ROOF HOOD. PROVIDE BACKRAFT DAMPER ON DRYER VENT DUCT.
- 4 RSLL ROUTED FROM FCUs IN APARTMENTS BELOW TO CONDENSING UNITS ON ROOF. SIZE REFRIGERANT LINES PER MANUFACTURER REQUEST. TYPICAL ALL CONDENSING UNITS.
- 5 ROUTE SUPPLY AND RETURN DUCTWORK TO ELEVATOR SHAFT.



1 ROOF MECHANICAL PLAN - SECTOR 2  
M4.52  
NOT TO SCALE

**GENERAL NOTES:**

1. CONTRACTOR SHALL VERIFY COUNT OF UNITS PRIOR TO ORDERING.
2. PROVIDE BIG FOOT SYSTEMS MULTIFRAME BP720 OR SIMILAR FOR CONDENSING UNIT PLATFORM. CONTRACTOR SHALL REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND VIBRATION ISOLATION. SUPPORTS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW.

**KEYED NOTES:**

- 1 FIELD ROUTE CONDENSING UNIT REFRIGERANT LINES DOWN INSIDE EXTERIOR WALL TO CEILING SPACE. SIZE REFRIGERANT LINES PER MANUFACTURER REQUEST. TYPICAL ALL CONDENSING UNITS.
- 2 PROVIDE WITH ROOF TOP MOUNTED EQUIPMENT SUPPORTING RACK WITH SPRING ISOLATION VIBRATION DAMPERS. TYPICAL ALL CONDENSING UNITS THIS AREA.
- 3 EXHAUST DUCTS UP TO ROOF FROM SHAFT TO TERMINATE IN ROOF HOOD. PROVIDE BACKDRAFT DAMPER ON DRYER VENT DUCT.
- 4 RSLS ROUTED FROM FCUs IN APARTMENTS BELOW TO CONDENSING UNITS ON ROOF. SIZE REFRIGERANT LINES PER MANUFACTURER REQUEST. TYPICAL ALL CONDENSING UNITS.
- 5 ROUTE SUPPLY AND RETURN DUCTWORK TO ELEVATOR SHAFT.

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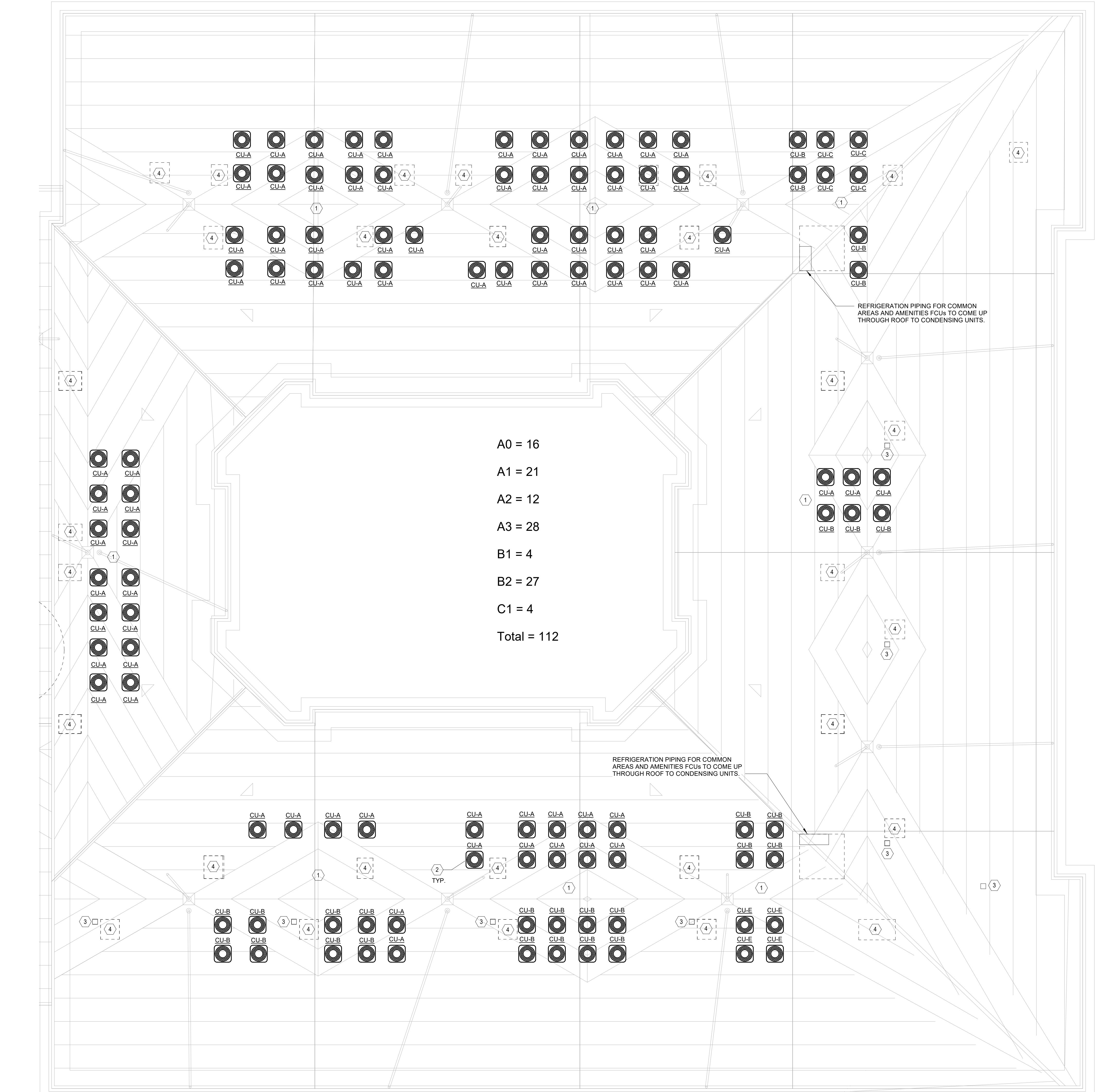
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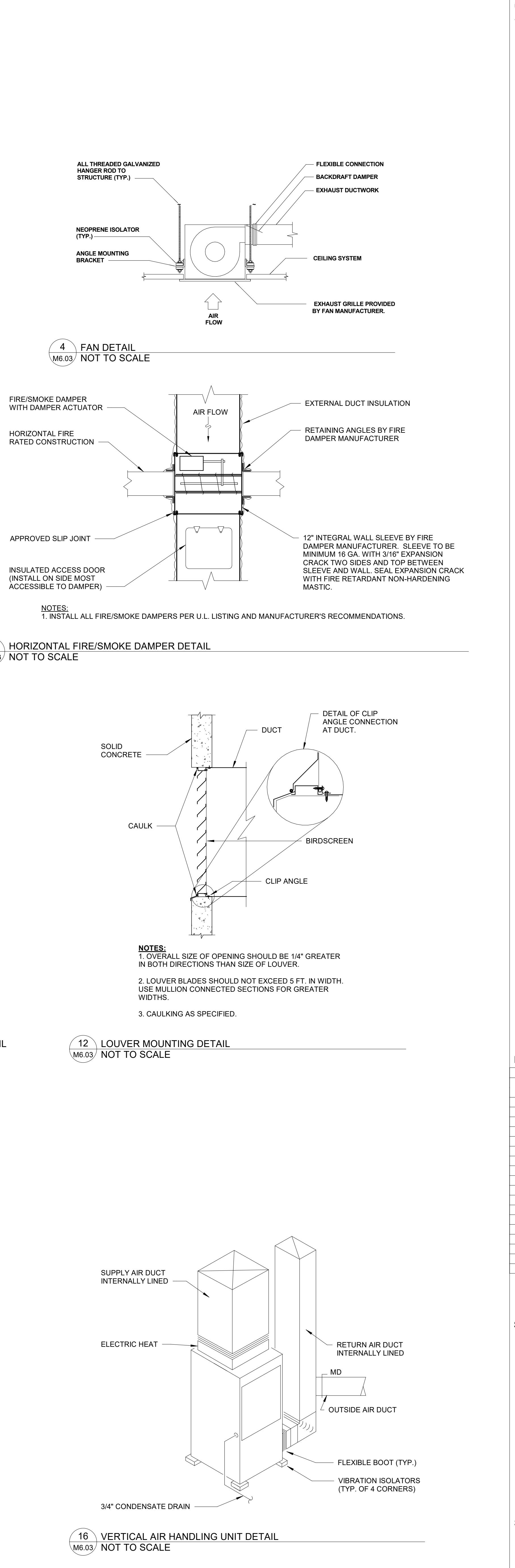
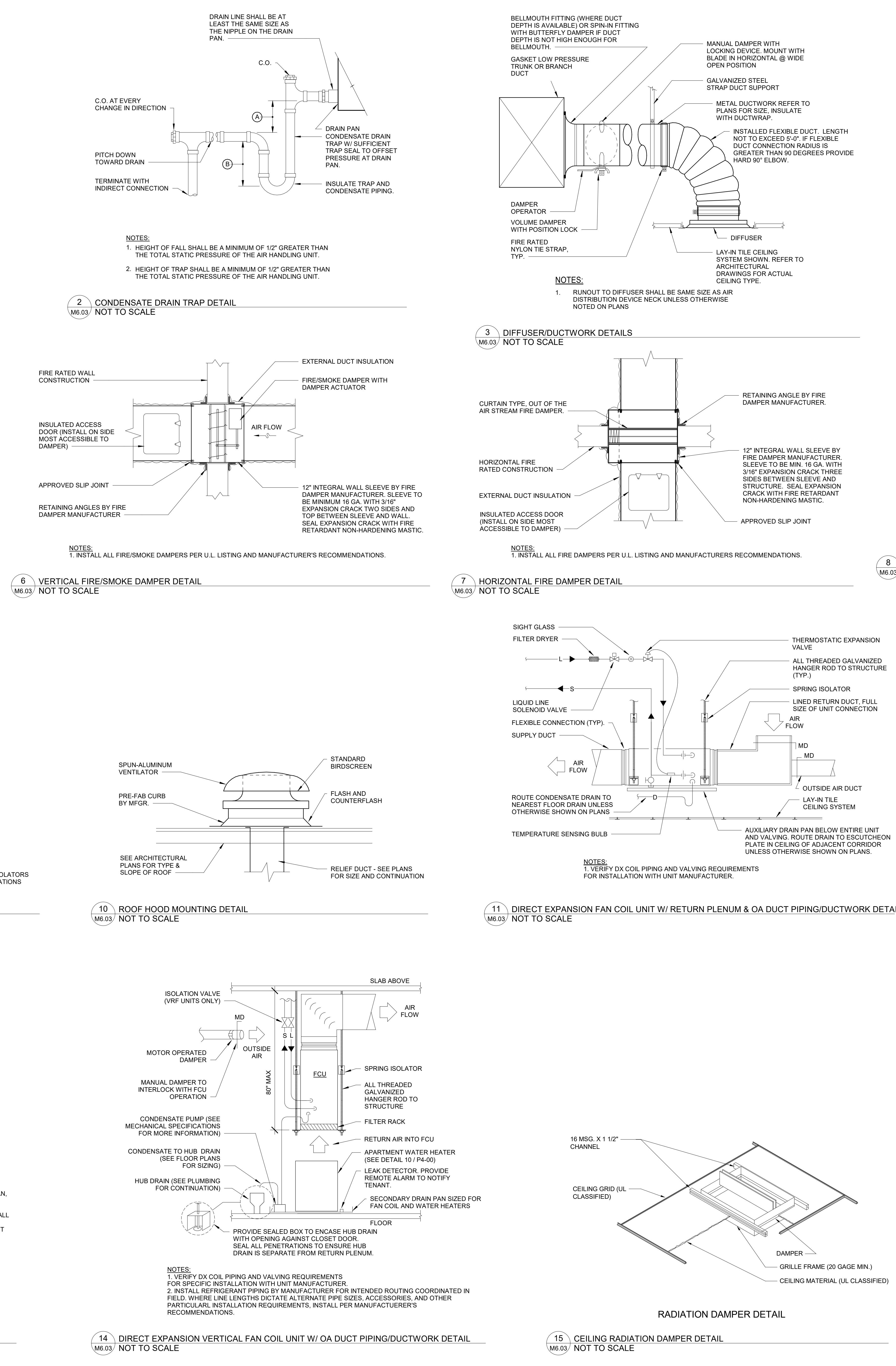
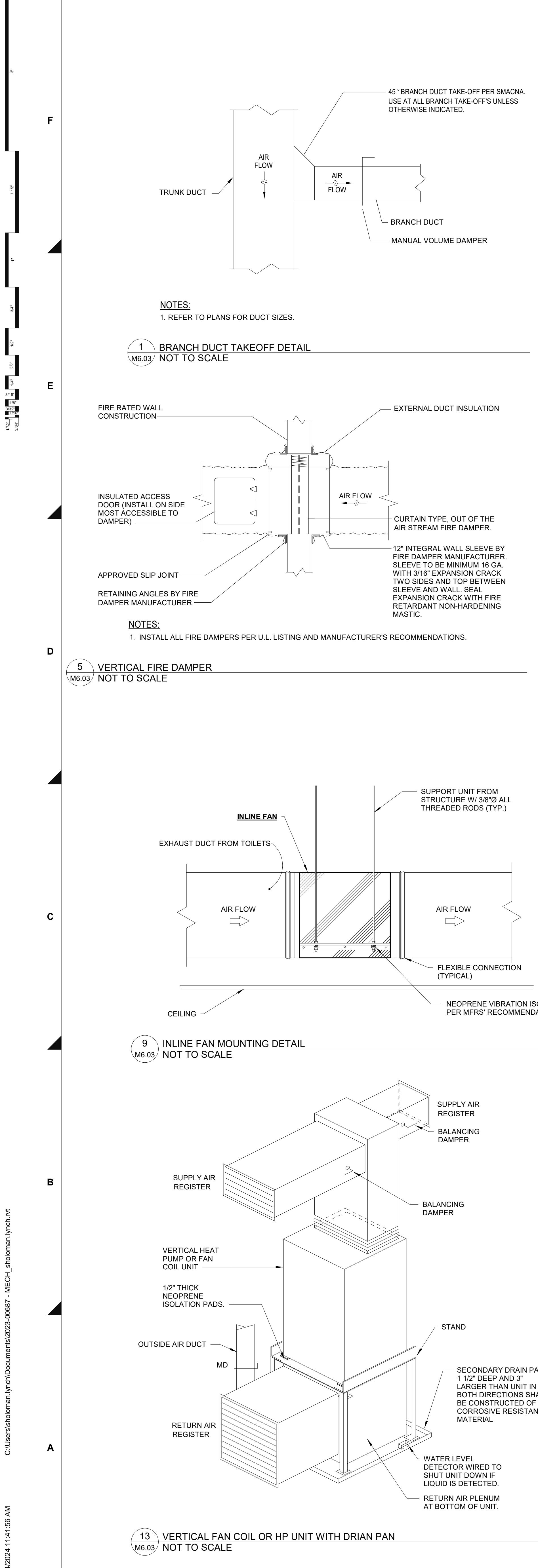
**ROOF  
MECHANICAL  
PLAN - SECTOR  
3**

SPLIT SYSTEM AIR CONDITIONING UNITS - COMMON AREAS																
UNIT NUMBER	AREA SERVED	FAN COIL UNIT		CAPACITY			BASIS OF DESIGN INDOOR/OUTDOOR	SINGLE POINT POWER CONNECTION		FAN MOTOR POWER (W)	SEER2	APPROX WEIGHT (LBS) INDOOR/OUTDOOR	REMARKS			
		TYPE	CFM	SENSIBLE CAPACITY (MBH)	TOTAL CAPACITY (MBH)	AUXILIARY HEAT (kW)		VOLTS	PHASE							
AHU 1-01/CU 1-01	NW CORRIDOR	V	600	13.5	18.0	3.8	CARRIER FX4D/24ACC4	208	1	--	14.0	31/97	(1 2 3 4)			
AHU 1-02/CU 1-02	SW CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-03/CU 1-03	NE CORRIDOR	V	1,000	22.5	30.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-04/CU 1-04	SE CORRIDOR	V	1,000	22.5	30.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-05/CU 1-05	CENTER CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-06/CU 1-06	FITNESS	V	1,200	27.0	36.0	6	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-07/CU 1-07	FITNESS	V	800	18.0	24.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-08/CU 1-08	CLUBHOUSE	V	1,600	36.0	48.0	3.8	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-09/CU 1-09	CLUBHOUSE	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-10/CU 1-10	LEASING BREAK	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 1-11/CU 1-11	LEASING	V	1,600	36.0	48.0	6	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-01/CU 2-01	NW CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-02/CU 2-02	SW CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-03/CU 2-03	NE CORRIDOR	V	1,000	22.5	30.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-04/CU 2-04	SE CORRIDOR	V	1,000	22.5	30.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-05/CU 2-05	CENTER CORRIDOR	V	1,000	22.5	30.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-06/CU 2-06	GYM	V	800	18.0	24.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-07/CU 2-07	GYM	V	800	18.0	24.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-08/CU 2-08	CLUBHOUSE	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 2-09/CU 2-09	CLUBHOUSE	V	800	18.0	24.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 3-01/CU 3-01	NW CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 3-02/CU 3-02	SW CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 3-03/CU 3-03	NE CORRIDOR	V	1,000	22.5	30.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 3-04/CU 3-04	SE CORRIDOR	V	1,000	22.5	30.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 3-05/CU 3-05	CENTER CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 4-01/CU 4-01	NW CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 4-02/CU 4-02	SW CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 4-03/CU 4-03	NE CORRIDOR	V	1,000	22.5	30.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 4-04/CU 4-04	SE CORRIDOR	V	1,000	22.5	30.0	5	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			
AHU 4-05/CU 4-05	CENTER CORRIDOR	V	600	13.5	18.0	3	CARRIER FX4D/24ACC4	208	1		14.0		(1 2 3 4)			

- 1 PROVIDE WIRED WALL MOUNT UNIT CONTROLLER.
- 2 PROVIDE INTEGRAL CONDENSATE PUMP AND SAFETY SWITCH.
- 3 SIZE REFRIGERANT PIPING PER MANUFACTURER'S REQUIREMENTS.
- 4 PROVIDE LOW AMBIENT OPERATION KIT.

SPLIT SYSTEM AIR CONDITIONING UNITS - DWELLING UNITS																
UNIT NUMBER	FAN COIL UNIT		CAPACITY			BASIS OF DESIGN INDOOR/OUTDOOR	SINGLE POINT POWER CONNECTION		FAN MOTOR POWER (W)	SEER2	APPROX WEIGHT (LBS) INDOOR/OUTDOOR	REMARKS				
	TYPE	CFM	OA CFM	MAX FAN HP	ESP (IN W.C.)		SENSIBLE CAPACITY (MBH)	TOTAL CAPACITY (MBH)	AUXILIARY HEAT (kW)							
AHU-A/CU-A	W	600	50	1/6	0.40	13.5	18.0	3.0	CARRIER FMA4/24SCA	208	1	--	15	79/113	(1 2 3 4)	
AHU-B/CU-B	W	800	60	1/4	0.40	18.0	24.0	3.0	CARRIER FMA4/24SCA	208	1	--	14.3	79/123	(1 2 3 4)	
AHU-C/CU-C	W	1000	65	1/3	0.40	22.5	30.0	5.0	CARRIER FMA4/24SCA	208	1	--	14.3	97/144	(1 2 3 4)	
AHU-D/CU-D	W	1200	85	1/2	0.40	27.0	36.0	6.0	CARRIER FMA4/24SCA	208	1	--	15	97/151	(1 2 3 4)	
AHU-E/CU-E	W	1400	105	1/2	0.40											







## PLUMBING GENERAL NOTES:

- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC, PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
- ALL PIPING SHALL BE CONCEALED INSIDE WALLS, BELOW FLOORS OR ABOVE CEILINGS UNLESS INDICATED OTHERWISE. REMOVE ALL EXISTING WATER PIPING NOT IN USE.
- ALL PIPING SHALL BE SLOPED AS PER THE MINIMUM GRADE REQUIRED BY CODE (UNLESS NOTED OTHERWISE) FOR EACH PARTICULAR PIPE SIZE.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES. EXACT LOCATION OF ALL FIXTURES MUST BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION. FINAL LOCATION SHALL BE AS DIRECTED BY ARCHITECT.
- DO NOT RUN PLUMBING PIPING THROUGH ELECTRICAL/COMPUTER ROOMS OR DIRECTLY ABOVE ELECTRICAL PANELS.
- INSTALL WATER HAMMER ARRESTORS (PDIs) ON DOMESTIC COLD & HOT WATER LINES AS INDICATED ON THE DRAWINGS, IN ACCORDANCE WITH THE LOCAL PLUMBING CODE, AND/OR STANDARD PDI-WH201. ARRESTORS SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL COORDINATION AND INFORMATION.
- ALL FIXTURES SHALL BE FURNISHED WITH QUARTER-TURN STOP VALVES. VALVES MAY BE IN SUPPLY PIPES OR INTEGRAL WITH SUPPLY FITTINGS.
- PLUMBING CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL COSTS INVOLVED.
- INSULATE SUPPLY PIPES, STOPS AND DRAIN AT EACH ADA SINK WITH FIRE RESISTANT MOLDED FOAM INSULATING DEVICE TUBRO ADA LAV GUARD.
- MINIMUM FIXTURE CONNECTION SIZES SHALL BE MADE IN ACCORDANCE WITH THE PLUMBING FIXTURE SCHEDULE.
- ALL EQUIPMENT, PIPING, APPURTENANCES SHALL BE PROTECTED FROM DEBRIS AND DAMAGE. EQUIPMENT SHALL NOT BE DELIVERED TO THE JOB SITE UNTIL SUCH TIME AS IT IS TO BE INSTALLED. PIPING ENDS SHALL BE CLOSED BY TEMPORARY MEANS WHEN PORTIONS OF THE SYSTEM ARE NOT COMPLETE.
- LOCATE ALL VALVES WHERE THEY ARE ACCESSIBLE FOR SERVICE AND USE. WHERE ACCESS PANELS ARE REQUIRED, COORDINATE SELECTION AND LOCATION WITH ARCHITECT.
- PROVIDE TRAP PRIMER AND CONNECTION FOR ANY FLOOR DRAIN, FLOOR SINK OR HUB DRAIN NOT SUBJECT TO REGULAR FLOW.
- ALL PIPES DROPPING AT COLUMNS SHALL BE INSTALLED WITHIN THE ENCLOSURE DETAILED ON THE ARCHITECTURAL DRAWINGS SUCH THAT THE DIMENSIONS OF THE ENCLOSURE ARE NOT ALTERED.
- INSULATE ALL NEW HOT AND COLD WATER PIPING. SIZE PER SPECIFICATIONS.
- ALL PENETRATIONS AT FLOORS AND RATED PARTS SHALL HAVE A UL CLASSIFIED FIRE STOP SYSTEM TESTED TO ASTM B140 AND UL 1479 BY UNDERWRITERS LABORATORIES. FIRE STOP SYSTEMS SHALL BE PROSET SYSTEMS, PENSIL FIRESTOP SYSTEMS OR 3M COMPANY.
- ALL MATERIAL SHALL FIT THE SPACE AVAILABLE. VERIFY DIMENSIONS AND CLEARANCES AT BUILDING BEFORE COMMENCING WORK.
- EXPOSED PIPING IN CONNECTION WITH PLUMBING FIXTURES SHALL BE CHROMIUM PLATED. WHERE PIPES PASS THROUGH WALLS, PROVIDE CHROMIUM PLATE ESCUTCHEONS AND FIRMLY SECURE IN PLACE.
- PROVIDE APPROVED FLANGES FOR CONNECTIONS BETWEEN DRAINAGE PIPING AND FLOOR OUTLET PLUMBING FIXTURES.
- DEFECTIVE WORK IF INSPECTION OR TESTS SHOW DEFECTS, SUCH DEFECTIVE WORK OR MATERIAL SHALL BE REPLACED AND INSPECTION AND TESTS SHALL BE REPEATED. ALL REPAIRS TO PIPING SHALL BE MADE WITH NEW MATERIAL. NO CAULKING OF SCREWED JOINTS OR HOLES WILL BE ACCEPTABLE.
- CONTRACTOR TO SUBMIT ADDITIONAL SET OF GAS DRAWINGS TO HVAC PLANS REVIEWER. NOTE: SEE PLUMBING DRAWINGS FOR ANY ADDITIONAL PLUMBING SPECIFICATIONS.
- ALL SANITARY/WASTE PIPING SHALL BE SLOPED AT 1/8" PER FOOT AND ALL GREASE WASTE PIPING SHALL BE SLOPED AT 1/4" PER FOOT UNLESS NOTED OTHERWISE.

## FIRE PROTECTION GENERAL NOTES:

- THE ARCHITECTURAL AND MECH DRAWINGS TO BE REFERENCED FOR COORDINATION ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO INDICATE ALL POSSIBLE CONDITION. IT IS INTENDED THAT COMPLETE FIRE PROTECTION SYSTEMS BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND INTERFACES COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS INDICATED IN THESE CONTRACT DOCUMENTS SHALL BE STRICTLY FOLLOWED. CONTRACTOR SHALL NOT BE REQUIRED TO PROVIDE A COMPLETE FIRE PROTECTION SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS. SHALL BE FURNISHED AND INSTALLED WITHOUT INCURRING ANY ADDITIONAL COST TO THE OWNER. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS, EXISTING CONDITIONS, AND WORK OF OTHER TRADES PRIOR TO THE PREPARATION OF SHOP DRAWING SUBMITTALS.
- ALL MATERIAL SHALL FIT THE SPACE AVAILABLE. VERIFY DIMENSIONS AND CLEARANCES AT BUILDING BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL FULFILL ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHALL COMPLETE THE WORK INDICATED ON THE DRAWINGS. ALL SYSTEMS SHALL BE FINISHED, TESTED, AND ADJUSTED, AND PROVEN TO BE FULLY OPERATIONAL AND USEABLE.
- GUARANTEE ALL EQUIPMENT AND SYSTEMS FOR ONE YEAR AFTER OWNER ACCEPTANCE.
- COORDINATE ALL WORK WITH EXISTING CONDITIONS AND ALL TRADES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACTUAL LOCATION OF EQUIPMENT, CONDUIT, PANELS, DUCTWORK, EQUIPMENT SUPPORTS, PIPING, ETC. AND COORDINATE THE INSTALLATION ACCORDINGLY.
- THE FIRE PROTECTION SPRINKLER SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13, LATEST EDITION AND THE LOCAL AUTHORITIES HAVING JURISDICTION. SUBMIT FLOW TEST RESULTS, SHOP DRAWINGS, DETAILS, HYDRAULIC CALCULATIONS, ETC. AS REQUIRED BY THE LOCAL AUTHORITIES HAVING JURISDICTION. OBTAIN FLOW TEST INFORMATION AS REQUIRED TO PROVIDE THE PROPER SPRINKLER SYSTEM FOR THE SYSTEM. REFER TO THE CONTRACT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PREPARE A REFLECTED CEILING PLAN INDICATING THE SPRINKLER HEAD LOCATIONS AND SUBMIT THIS TO THE ARCHITECT FOR REVIEW (NOT FOR ENGINEER REVIEW). COORDINATE THE SPRINKLER HEAD LOCATIONS WITH THE LIGHTING AND DIFFUSER/GRILLE LAYOUT. SPRINKLER HEADS SHALL BE LOCATED AT THE CENTER POINT OF CEILING TILES OR AN ORGANIZED PATTERN FOR GYPSUM BOARD TYPE CEILINGS.
- ALL NEW SPRINKLERS SHALL MATCH TEMPERATURE AND RTI (RESPONSE TIME INDEX) OF EXISTING SPRINKLERS. 10 AREAS WHERE GLASS IS USED IN A 1 HOUR RATED PARTITION AND GLASS IS NOT SPECIFIED BY ARCHITECT TO MEET THIS RATING. "GLASS WASH" SPRINKLERS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODE AT 6'-0" ON CENTER WITHIN 12" OF GLASS.
- SCOPE
  - FURNISH ALL LABOR, MATERIAL, EQUIPMENT AND TOOLS REQUIRED TO COMPLETE INSTALLATION OF THE FIRE PROTECTION SYSTEMS INCLUDING BUT NOT LIMITED TO PIPING, INSULATION, EQUIPMENT, SPRINKLER HEADS, AND ALL OTHER WORK INDICATED ON THE DRAWINGS OR AS SPECIFIED.
  - OBTAİN ALL PERMITS, INSPECTIONS, AND APPROVALS AS REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION AND DELIVER CERTIFICATE OF APPROVAL TO THE GENERAL CONTRACTOR. ALL ASSOCIATED FEES SHALL BE PAID BY THE CONTRACTOR.
  - CONTRACTOR SHALL COMPLY WITH OSHA REQUIREMENTS.
  - ALL MATERIALS AND EQUIPMENT OF THE FIRE PROTECTION SYSTEMS NECESSARY TO ITS PROPER OPERATION, BUT NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, SHALL BE FURNISHED AND INSTALLED WITHOUT ADDITIONAL CHARGE.
  - VISIT SITE AND CAREFULLY EXAMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID. NO ALLOWANCE WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS. ANY ADJUSTMENTS IN PIPE ROUTING SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
  - WORK SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE AND CURRENT BUILDING CODE. FIRE PROTECTION CODE, NFPA 13, AND LOCAL AUTHORITIES HAVING JURISDICTION.

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
	WASTE (SOIL PIPE)
—	VENT
—	COLD WATER
—	HOT WATER
—	HOT WATER RETURN
—	PIPING BELOW SLAB/FLOOR
CG	TRAP
—	RISER DOWN (ELBOW)
—	RISER UP (ELBOW)
—	RISER OR DROP
—	BRANCH - BOTTOM CONNECTION
—	BRANCH - TOP CONNECTION
—	BRANCH - SIDE CONNECTION
—	CLEANOUT
—	POINT OF CONN. BETWEEN NEW & EXIST.
—	VALVE
—	BALANCING VALVE (CIRCUIT SETTER)

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.

ADA COMPLIANCE	
1. VERIFY FIXTURES THAT ARE INTENDED FOR HANDICAP USE WITH CURRENT ARCHITECTURAL DRAWINGS.	
2. PLUMBING FIXTURES DESIGNATED FOR HANDICAP USE SHALL COMPLY WITH ADA AND ALL STATE, CITY, AND LOCAL REQUIREMENTS PERTAINING TO HANDICAP ACCESSIBILITY.	
3. FIXTURE INSTALLATION SHALL COMPLY WITH ADA AND ANY STATE, CITY, AND LOCAL REQUIREMENTS PERTAINING TO HANDICAP ACCESSIBILITY.	
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ADA AND ALL STATE, CITY, AND LOCAL REQUIREMENTS PERTAINING TO PLUMBING FIXTURES AND PLUMBING FIXTURE INSTALLATION FOR USE BY THE HANDICAPPED.	

NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.

WATER HAMMER ARRESTER SCHEDULE					
CHART A - FOR GROUPED FIXTURES		CHART B - FOR LONG PIPE RUNS			
P.D.I. SIZE	Fixture Units	P.D.I. WATER HAMMER ARRESTERS			
A	1-11	LENGTH OF PIPE			
B	12-32	1/2"	3/4"	1"	1 1/4"
C	33-60	25'	A	B	C
D	61-113	50'	A	B	C
E	114-154	75'	B	C	D
F	155-330	100'	C	D	E
		125'	C	D	F
		150'	D	E	F
				DF	FFF

NOTES:

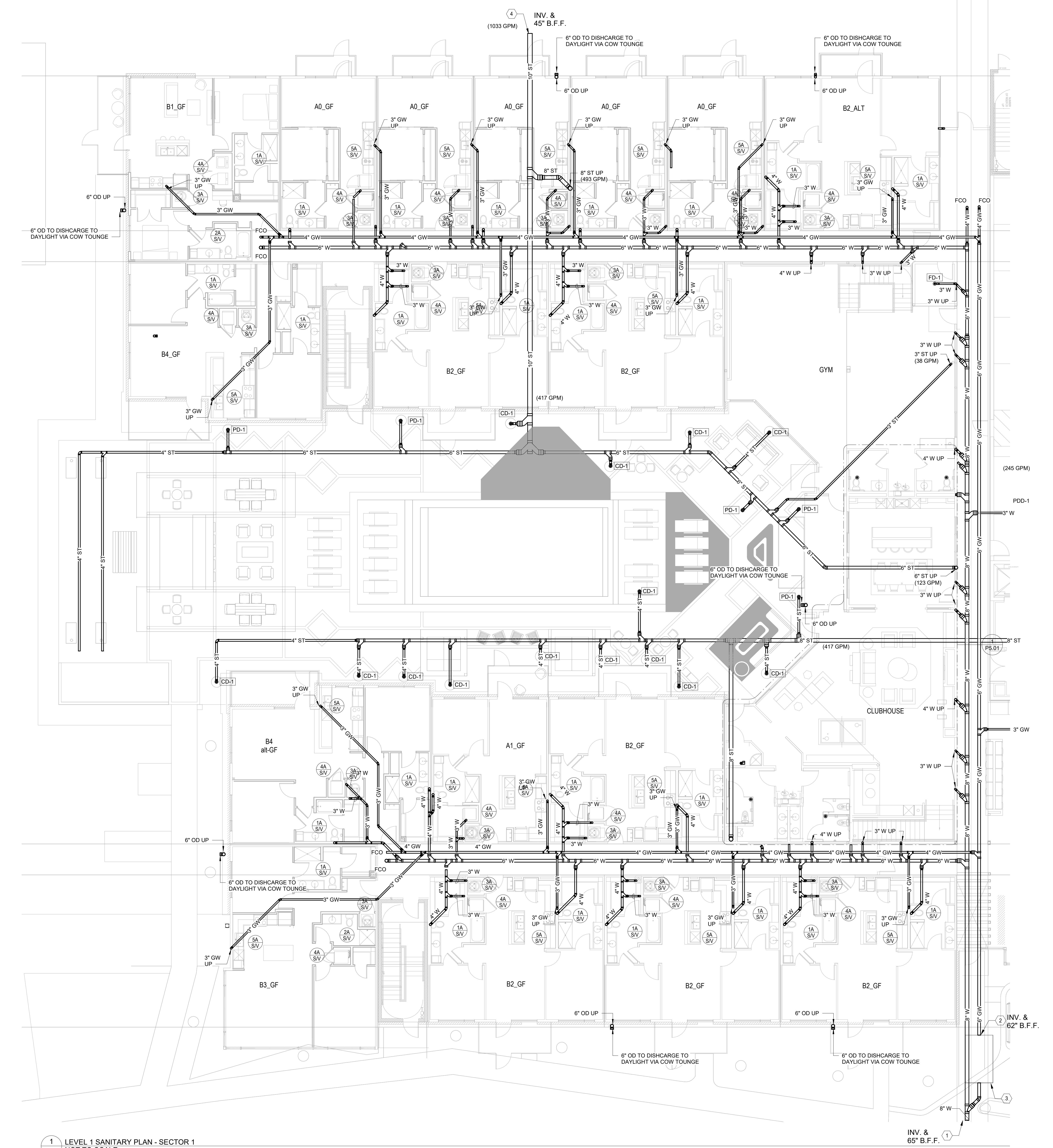
- WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD PDI-WH201.

Sheet Number	Sheet Name
P0.00	PLUMBING GENERAL
P2.11	FIRST FLOOR SANITARY PLAN - SECTOR 1
P2.12	FIRST FLOOR SANITARY PLAN - SECTOR 2
P2.13	FIRST FLOOR SANITARY PLAN - SECTOR 3
P2.21	SECOND FLOOR SANITARY PLAN - SECTOR 1
P2.22	SECOND FLOOR SANITARY PLAN - SECTOR 2
P2.23	SECOND FLOOR SANITARY PLAN - SECTOR 3
P2.31	TYPICAL FLOOR SANITARY PLAN - SECTOR 1
P2.32	TYPICAL FLOOR SANITARY PLAN - SECTOR 2
P2.33	TYPICAL FLOOR SANITARY PLAN - SECTOR 3
P2.51	ROOF DRAINAGE PLAN - SECTOR 1
P2.52	ROOF DRAINAGE PLAN - SECTOR 2
P2.53	ROOF DRAINAGE PLAN - SECTOR 3
P3.11	FIRST FLOOR SUPPLY PLAN - SECTOR 1
P3.12	FIRST FLOOR SUPPLY PLAN - SECTOR 2
P3.13	FIRST FLOOR SUPPLY PLAN - SECTOR 3
P3.21	SECOND FLOOR SUPPLY PLAN - SECTOR 1
P3.22	SECOND FLOOR SUPPLY PLAN - SECTOR 2
P3.23	SECOND FLOOR SUPPLY PLAN - SECTOR 3
P3.31	TYPICAL FLOOR SUPPLY PLAN - SECTOR 1
P3.32	TYPICAL FLOOR SUPPLY PLAN - SECTOR 2
P3.33	TYPICAL FLOOR SUPPLY PLAN - SECTOR 3
P4.01	ENLARGED UNIT PLUMBING PLANS
P4.02	ENLARGED UNIT PLUMBING PLANS
P4.03	ENLARGED UNIT PLUMBING PLANS
P4.04	ENLARGED UNIT PLUMBING PLANS
P5.01	ENLARGE PLUMBING PLANS
P6.01	RISER DIAGRAMS
P7.01	PLUMBING DETAILS

PLUMBING ABBREVIATIONS	
ABBR.	DESCRIPTION
A/C	ABOVE CEILING
AAV	AIR ADMITTANCE VALVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
B/F	BELOW FLOOR
B/G	BELOW GRADE
C	CENTER LINE
CO	CLEANOUT
CLG	CEILING
CW	COLD WATER
DN	DISCHARGE
EWC	ELECTRIC WATER COOLER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
GCO	GRADE CLEANOUT
GT	GREASE TRAP
GV	GATE VALVE
GW	GREASE WASTE
HD	HUB DRAIN
HW	HOT WATER
INV EL	INVERT ELEVATION
LV	LAVATORY
N/A	NOT APPLICABLE
O/H	OVERHEAD
OD	OVERFLOW DRAINAGE
ORD	OVERFLOW ROOF DRAIN
RD	ROOF DRAIN
SAN	SANITARY
SK	SINK
SS	SANITARY SEWER
ST	STORM
TYP	TYPICAL
UR	URINAL
V	VENT
VTR	VENT THRU ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
W	WASTE
TP	TRAP PRIMER
U/C	UNDER COUNTER

NOTE: THESE ARE STANDARD ABBREVIATIONS. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.

PLUMBING FIXTURE SCHEDULE							
MARK	DESCRIPTION	MAKE/MODEL	Fixture Support	MIN. CONNECTION SIZE	VENT SIZE	REMARKS	
BT-1	BATHTUB/SHOWER	---	FLOOR	1/2"	1/2"	2"	SEE PLANS
CD-1	COURTYARD DRAIN	MIFAB / F1100-C-N	FLOOR	---	---	---	COURTYARD DRAIN WITH TRACTOR GRATE. COORDINATE ALL DRAIN LOCATION WITH LANDSCAPE PLANS
FD-1	FLOOR DRAIN	MIFAB / F1103-C-TS	FLOOR	**1/2"	---	---	SEE PLANS
HD-1	HUB DRAIN	---	---	**1/2"	3"X2"	---	SEE PLANS
IMB-1	ICE MAKER BOX	OATEY / 37385	WALL	1/2"	---	---	FIRE RATED ICE MAKER SUPPLY BOX WITH INTEGRAL WATER HAMMER ARRESTORS AND QUARTER TURN STOP VALVE. OATEY MODEL 37385 TO BE USED IN LIEU OF MODEL SPECIFIED FOR ANY IMB INSTALLED IN NON-FIRE RATED ASSEMBLIES.
LV-1	LAVATORY	---	COUNTER	1/2"	1/2"	2"	---
OD-1	OVERFLOW DRAIN	ZURN / Z100F-89	ROOF	---	---	---	HIGH FLOW OVERFLOW DRAIN WITH 2" DAM.
PD-1	PLANTER DRAIN	MIFAB / CAPOD	FLOOR	---	---	---	PLANTER DRAIN WITH TRACTOR GRATE. COORDINATE ALL DRAIN LOCATION WITH LANDSCAPE PLANS
PDD-1	PARKING DECK DRAIN	MIFAB / F1320-C	FLOOR				



## KEYED NOTES

- ① 6" SANITARY WASTE LINE - SEE SITE CIVIL FOR CONTINUATION.
- ② 6" GREASE WASTE LINE TO 1000 GALLON GREASE INTERCEPTOR. - SEE SITE CIVIL FOR CONTINUATION.
- ③ 1000 GALLON GREASE INTERCEPTOR, MIFAB MODEL SUPER 1000.
- ④ 10' STORM LINE - SEE SITE CIVIL FOR CONTINUATION.

## KEYED NOTES

- 1 8" SANITARY WASTE LINE - SEE SITE CIVIL FOR CONTINUATION.
- 2 6" GREASE WASTE LINE TO 1000 GALLON GREASE INTERCEPTOR. - SEE SITE CIVIL FOR CONTINUATION.
- 3 1000 GALLON GREASE INTERCEPTOR. MIFAB MODEL SUPER 1000.
- 4 15" STORM LINE - SEE SITE CIVIL FOR CONTINUATION.

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**Project Number**  
**2023-00687**

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BATON ROUGE, LOUISIANA

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Δ	DESCRIPTION	DATE
	ISSUE FOR PRICING / BIDDING	12/15/2023

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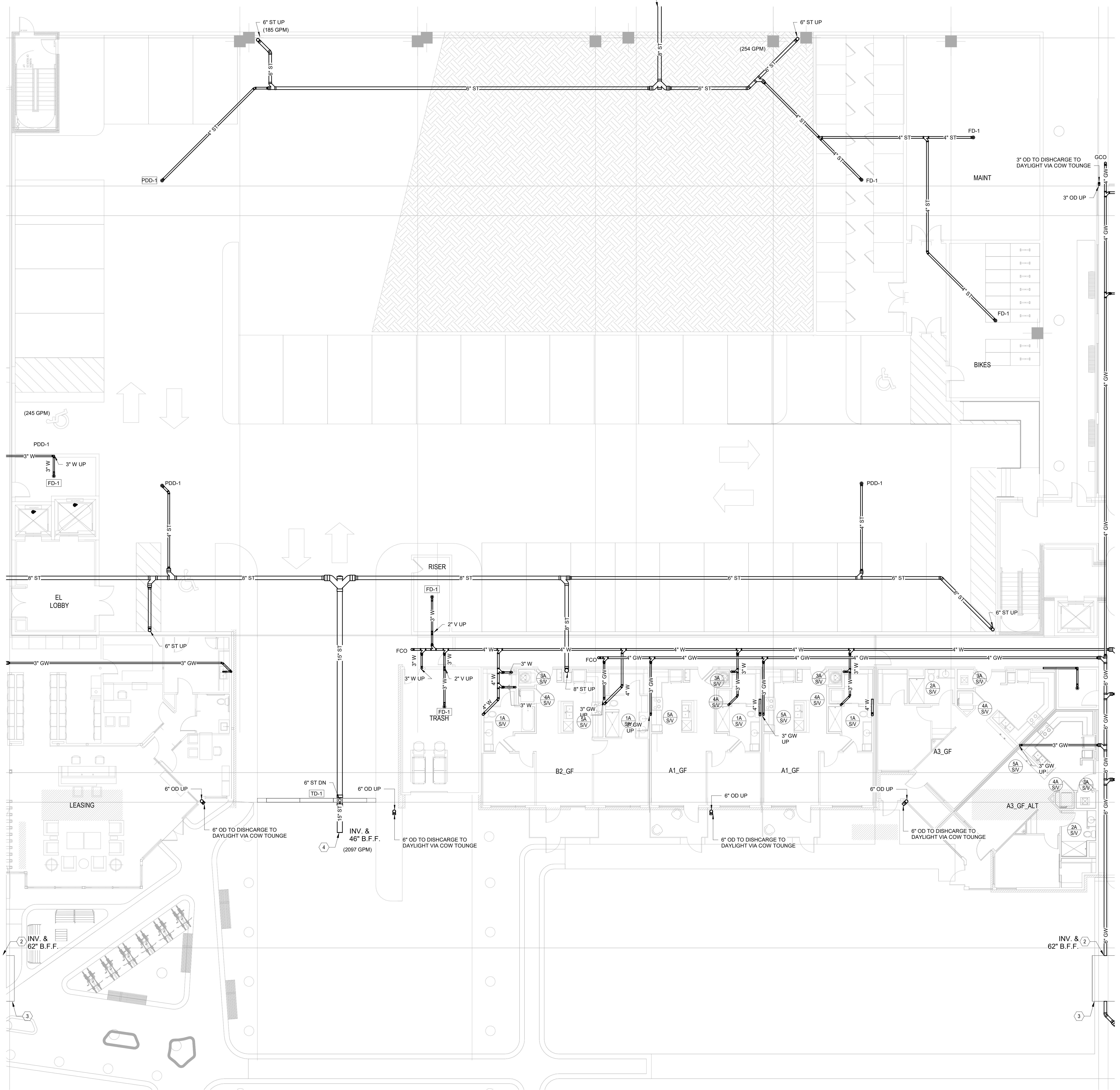
**SHEET NAME**

# FIRST FLOOR SANITARY PLAN SECTOR 2

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SHEET NUMBER | REVISION

## P2.12



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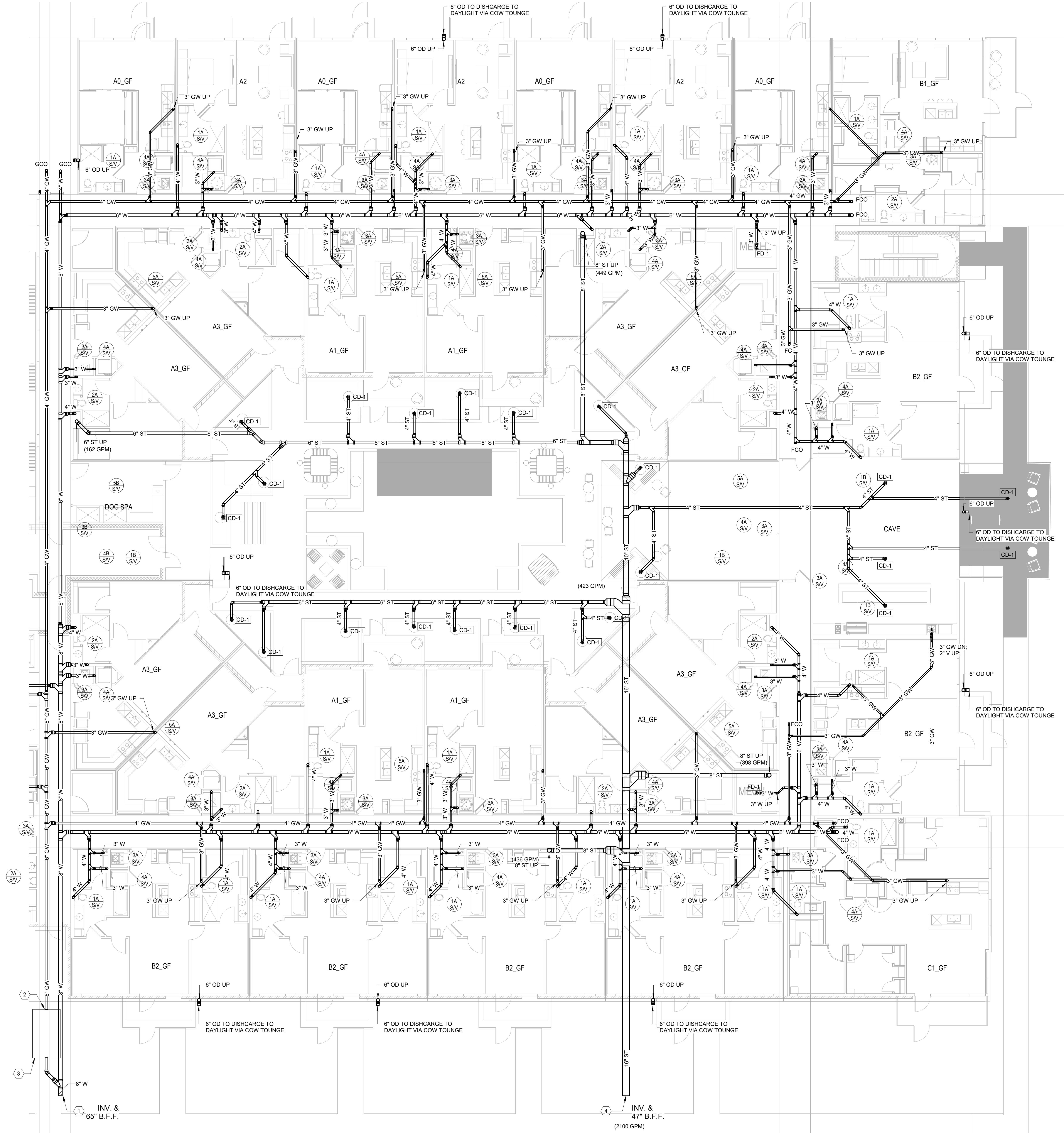
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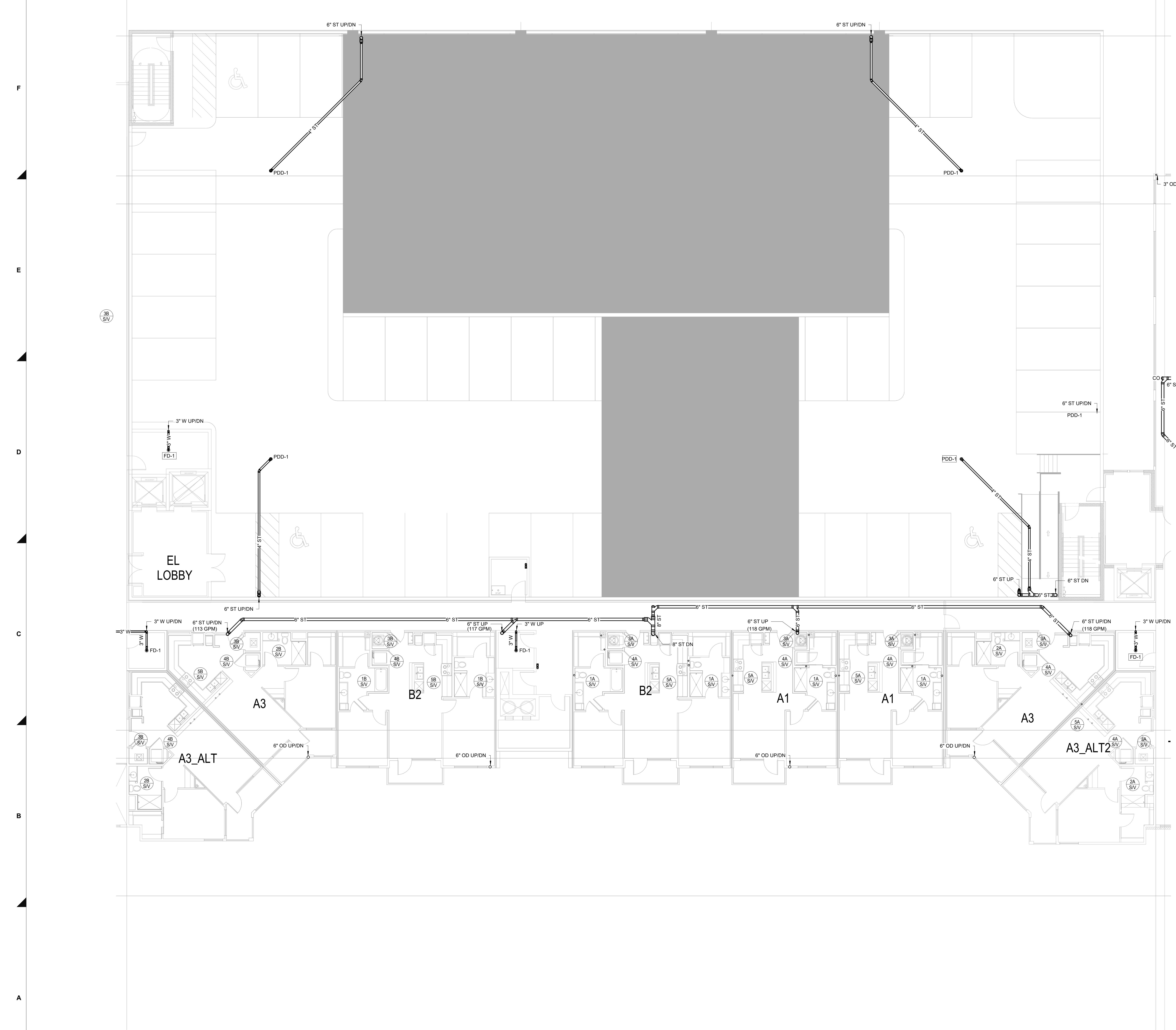
FIRST FLOOR  
SANITARY PLAN  
- SECTOR 3

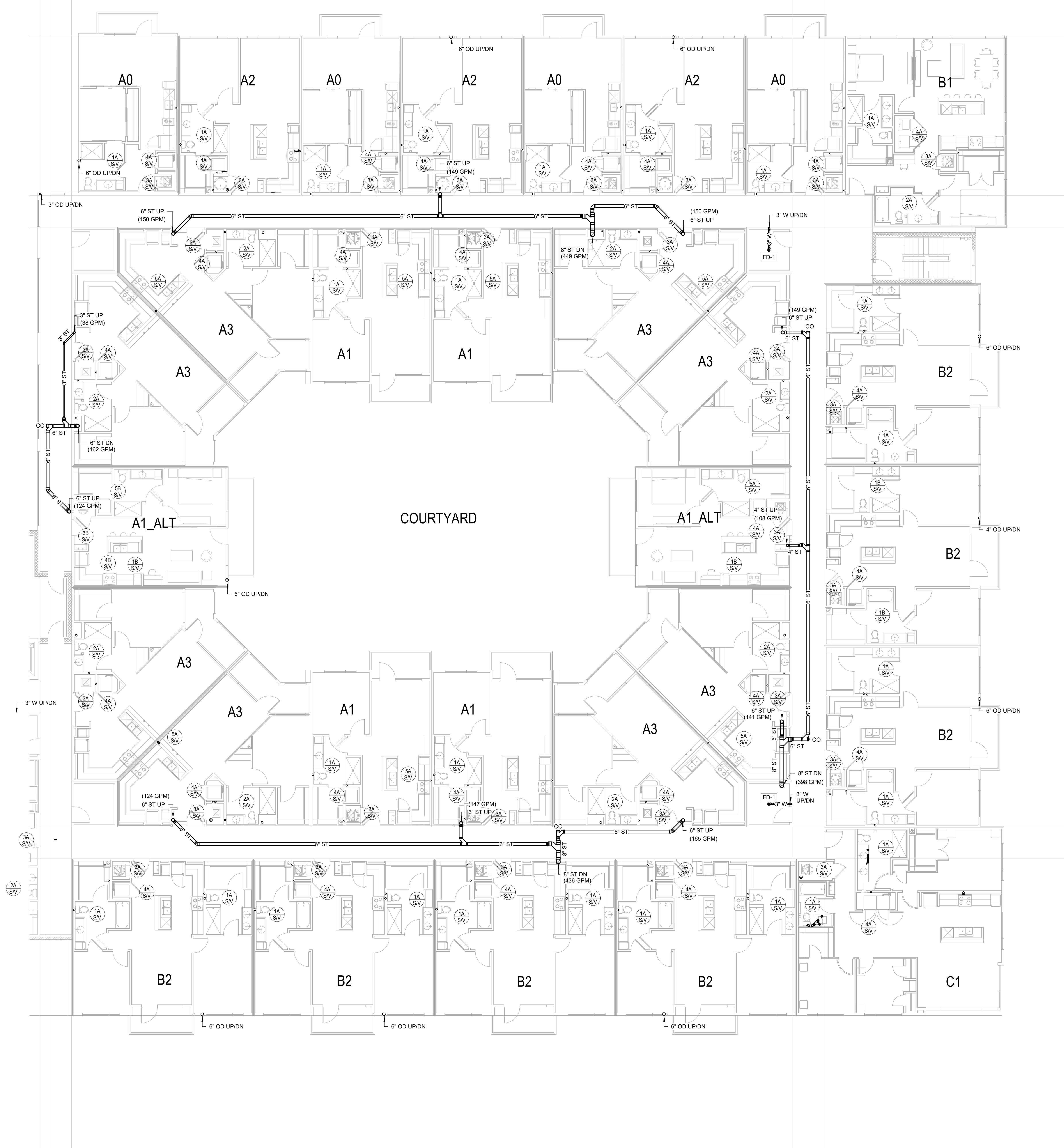


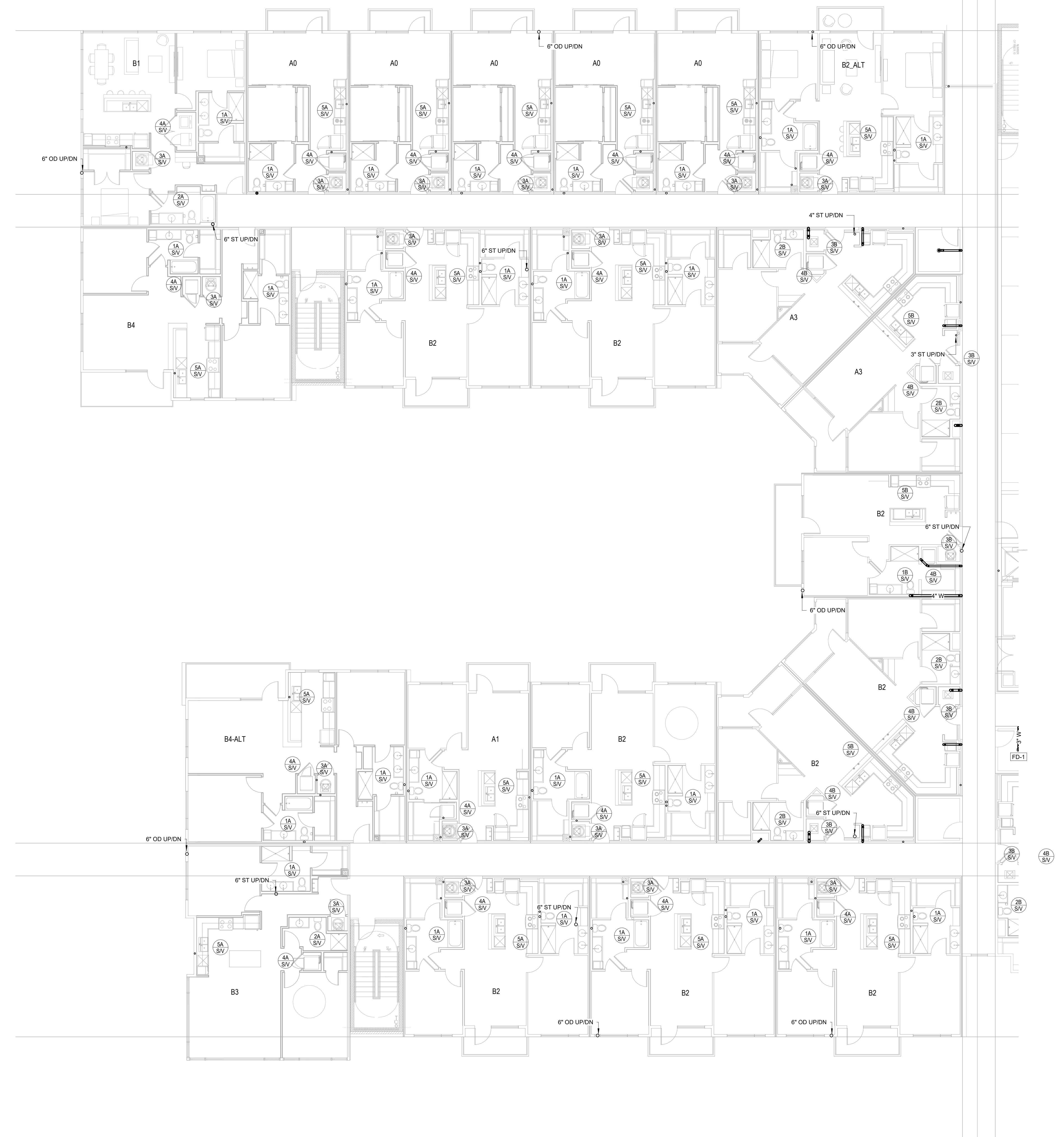
1 LEVEL 1 SANITARY PLAN - SECTOR 3  
P2.13 1/8" = 1'-0"

SHEET NUMBER P2.13 | REVISION





1 LEVEL 2 SANITARY PLAN - SECTOR 3  
P2.23 1/8" = 1'-0"



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# TYPICAL FLOOR SANITARY PLAN - SECTOR 2

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# P2.32

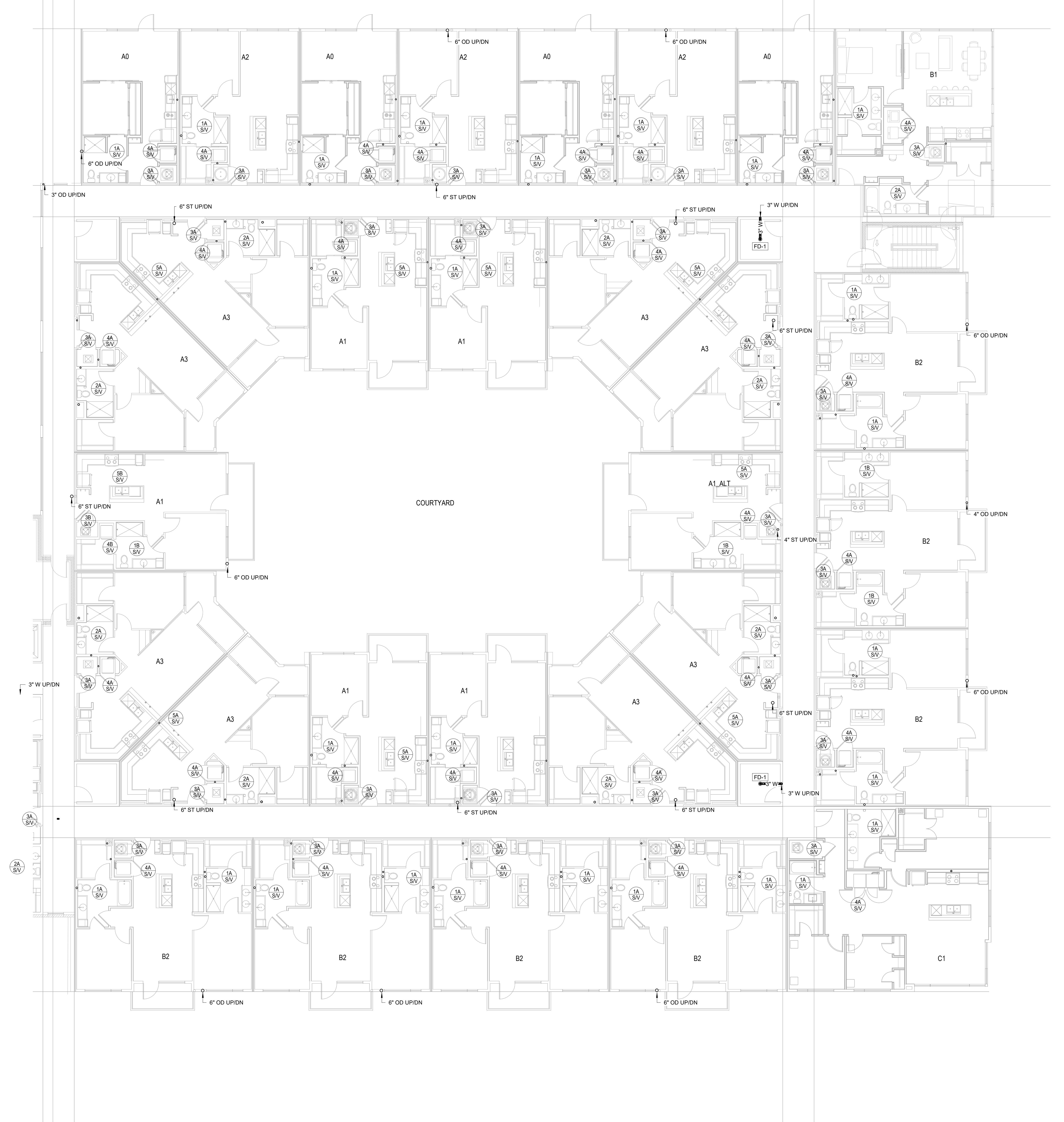
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1 TYPICAL LEVEL SANITARY PLAN - SECTION  
P2.32 1/8" = 1'-0"

**SHEET NUMBER** | **REVISION**

# P2.32



1 TYPICAL LEVEL SANITARY PLAN - SECTOR 3  
P2.33 1/8" = 1'-0"

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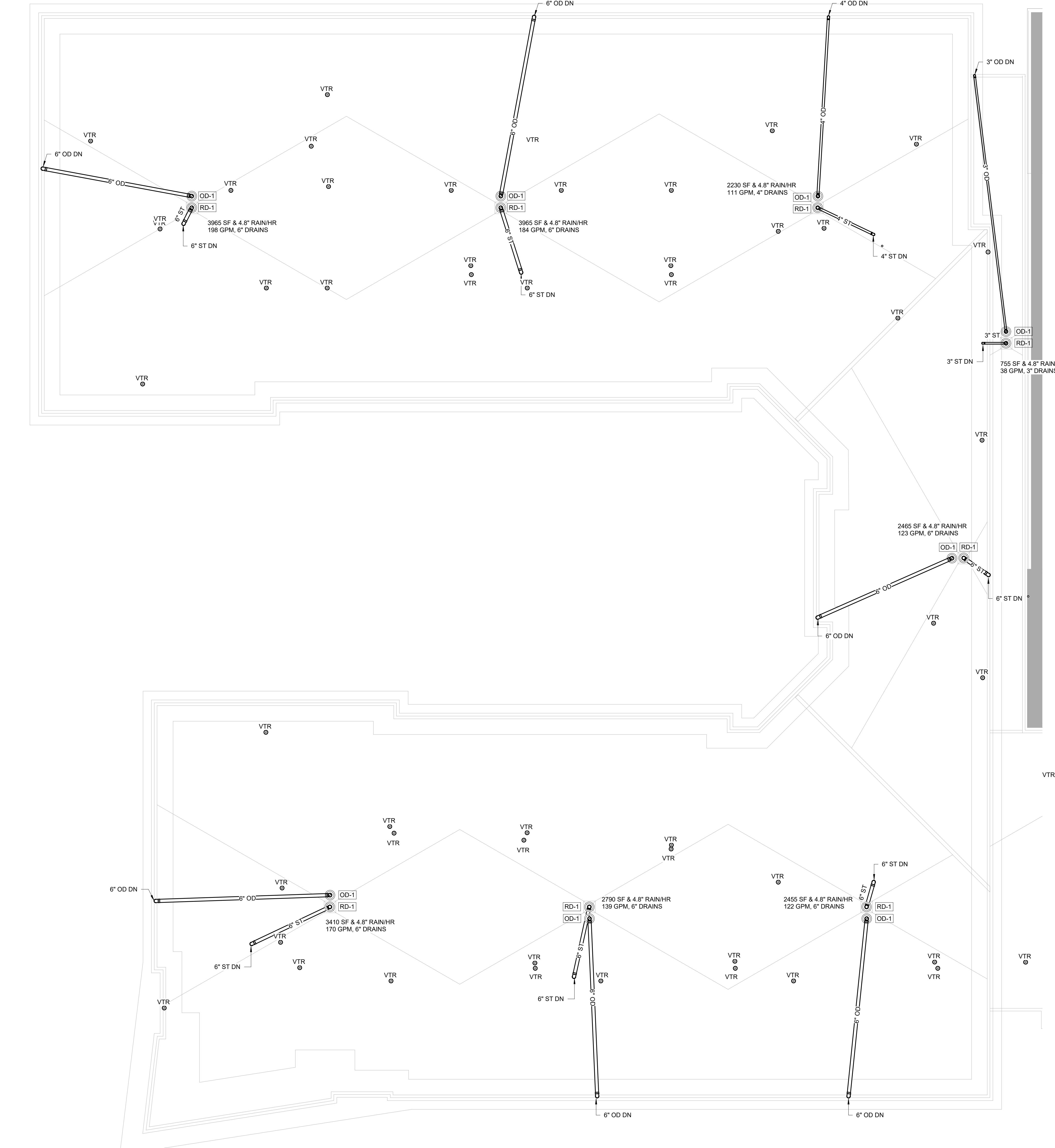
## REVIEWS

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# ROOF DRAINAGE PLAN - SECTOR 1

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# ROOF DRAINAGE PLAN - SECTOR 2

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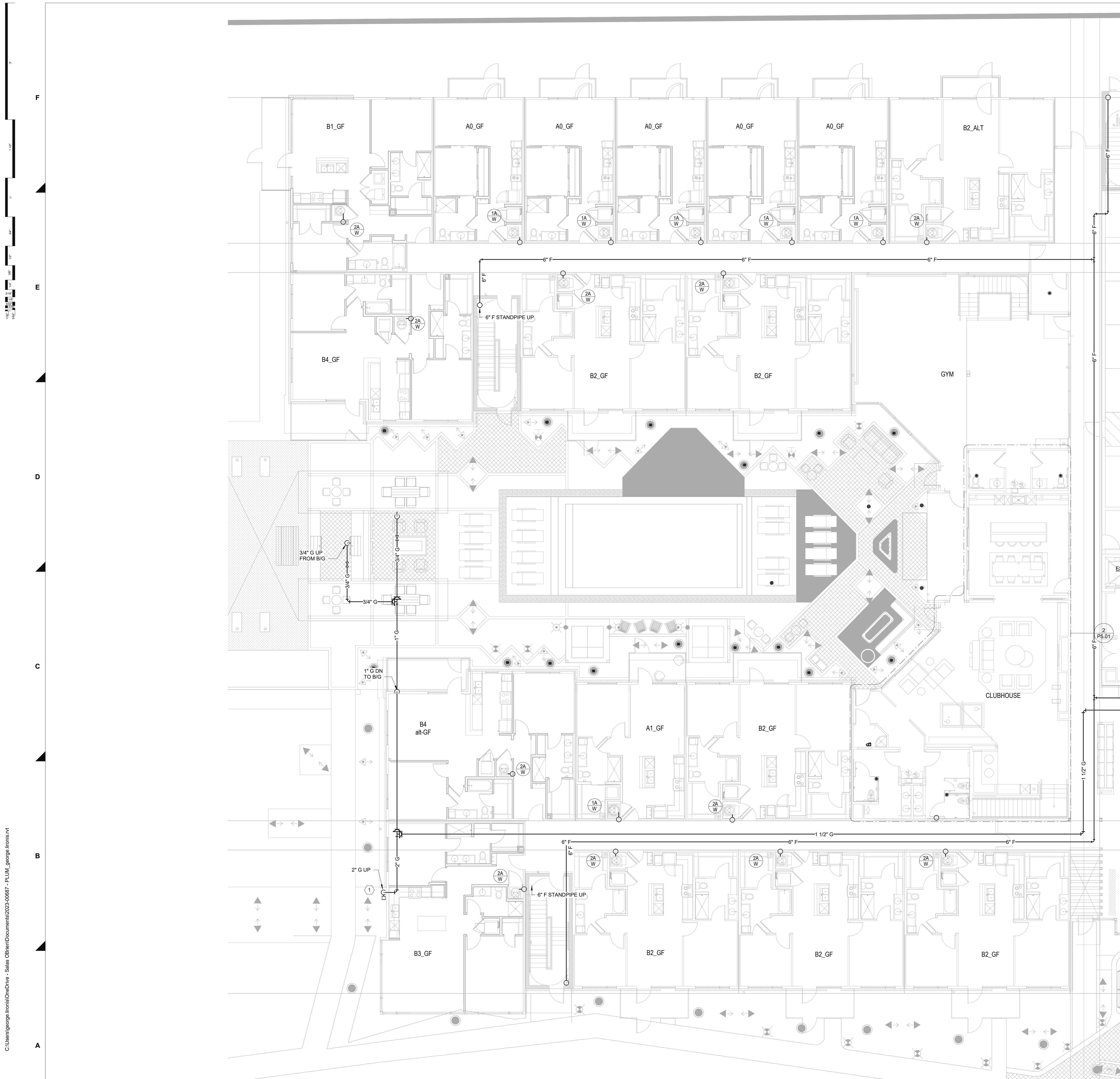
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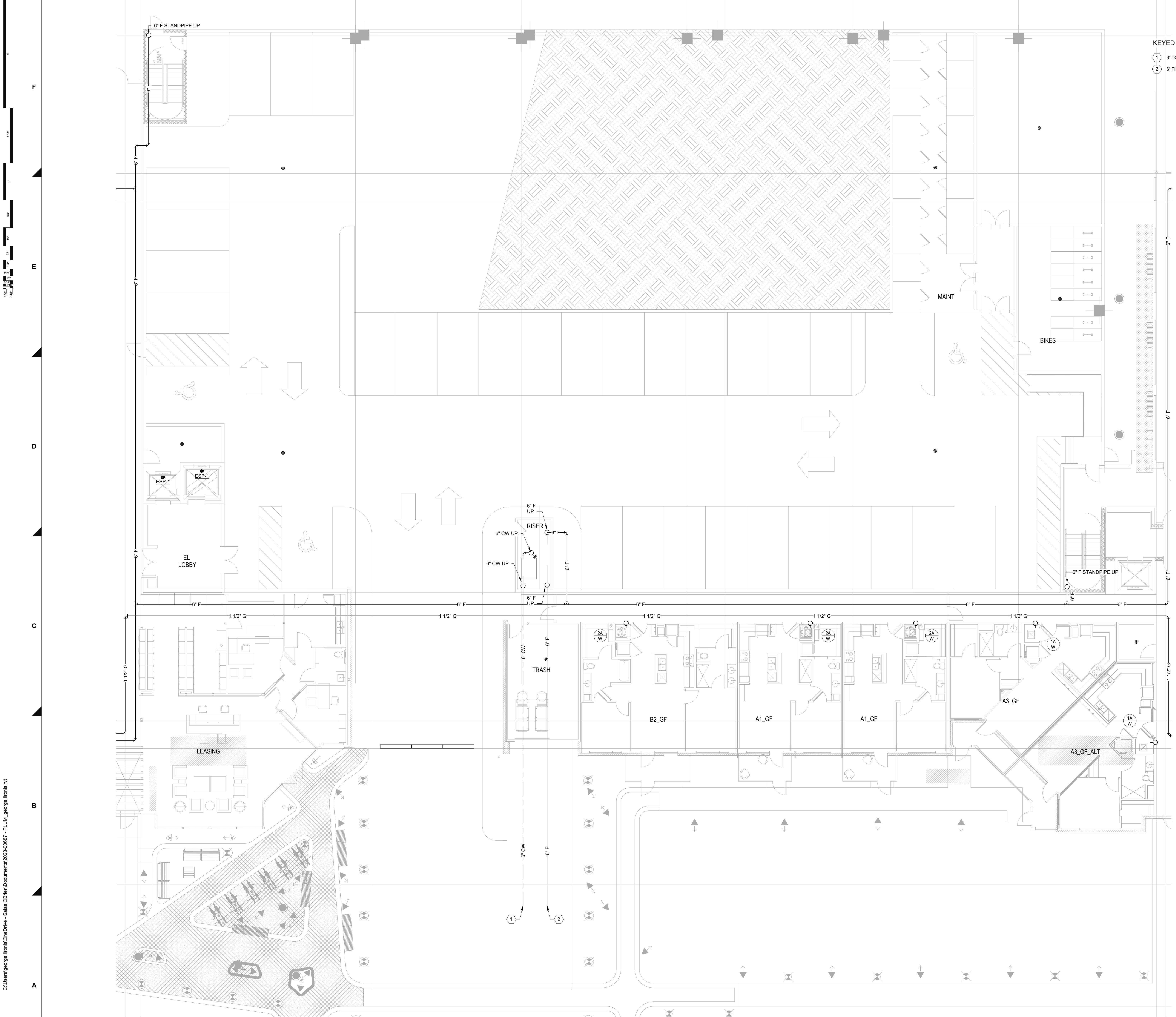
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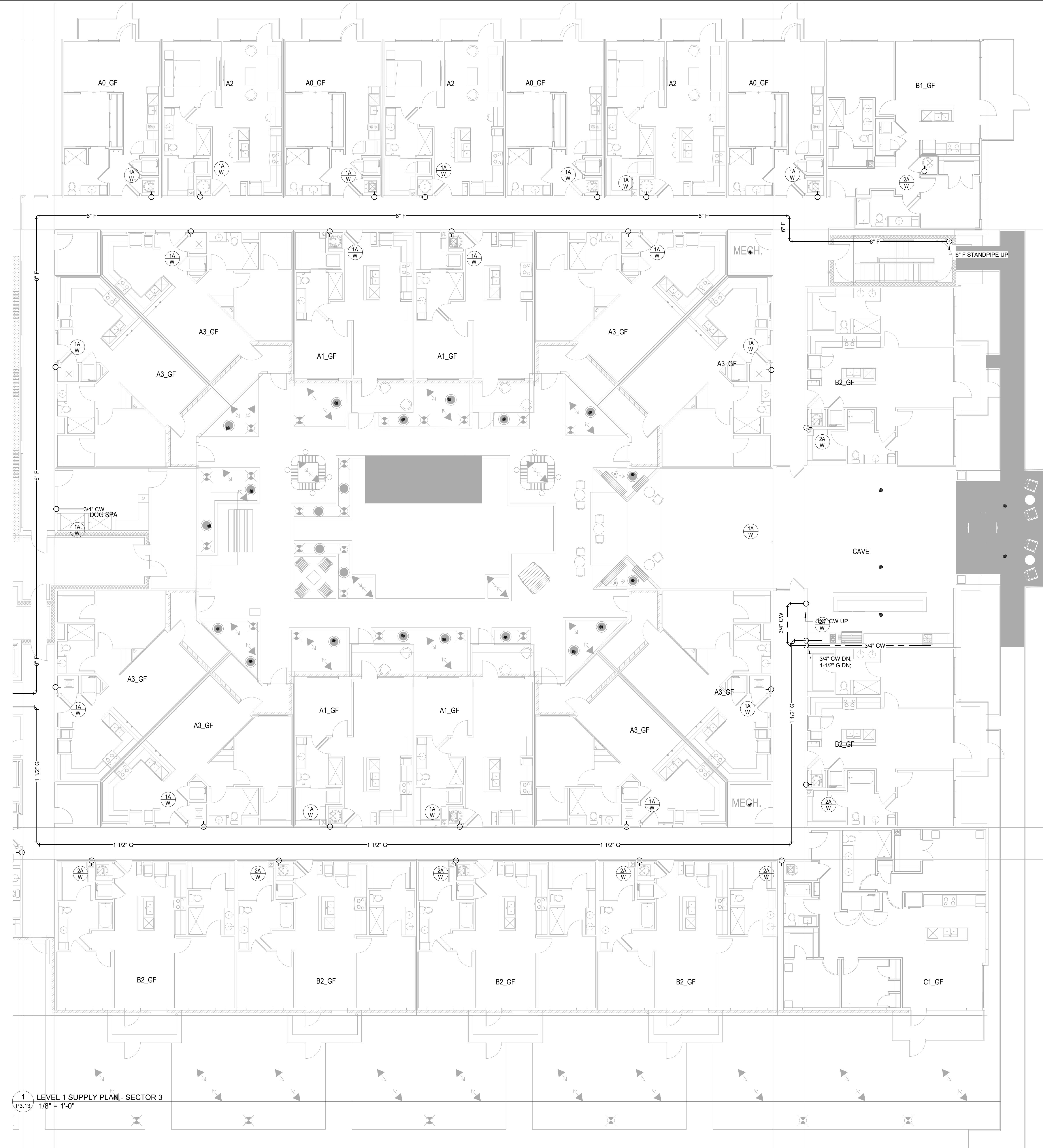
# ROOF DRAINAGE PLAN - SECTOR 3



## KEYED NOTES

① NEW GAS METER TO BE PROVIDED BY LOCAL GAS COMPANY. SEE SITE CIVIL FOR CONTINUATION.





LEVEL 1 SUPPLY PLAN - SECTOR 3

P3.13

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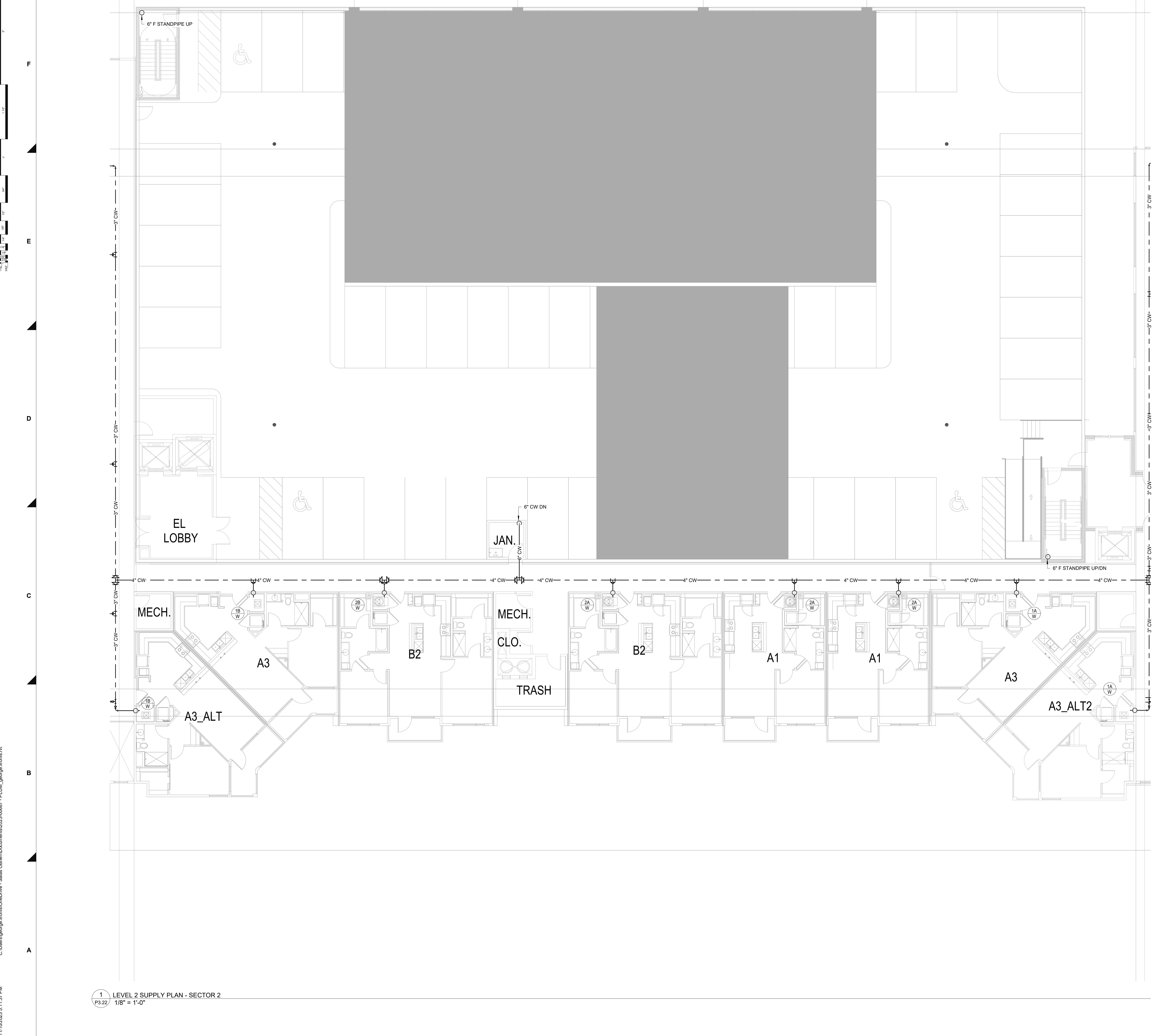
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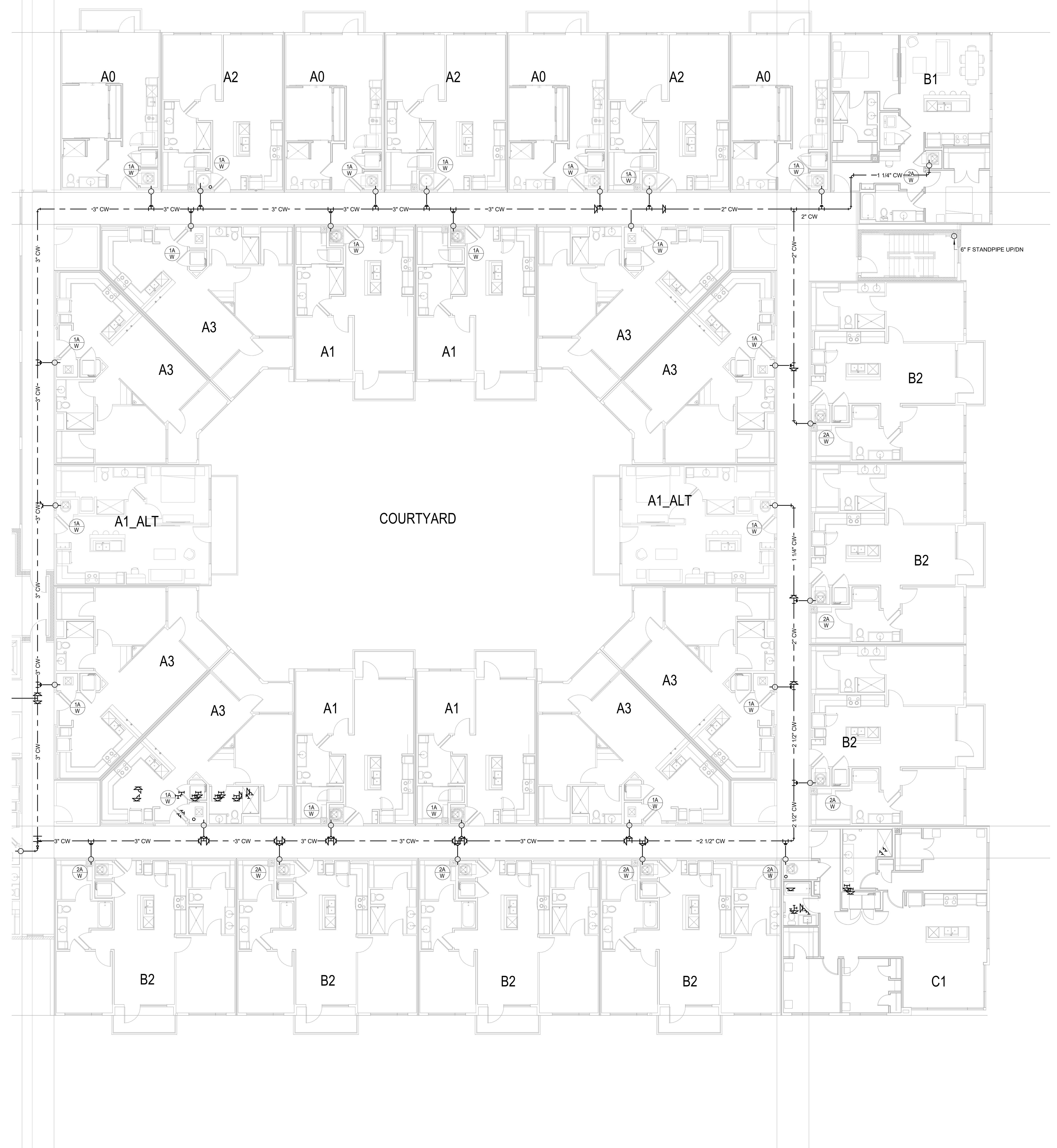
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### SECOND FLOOR SUPPLY PLAN - SECTOR 1

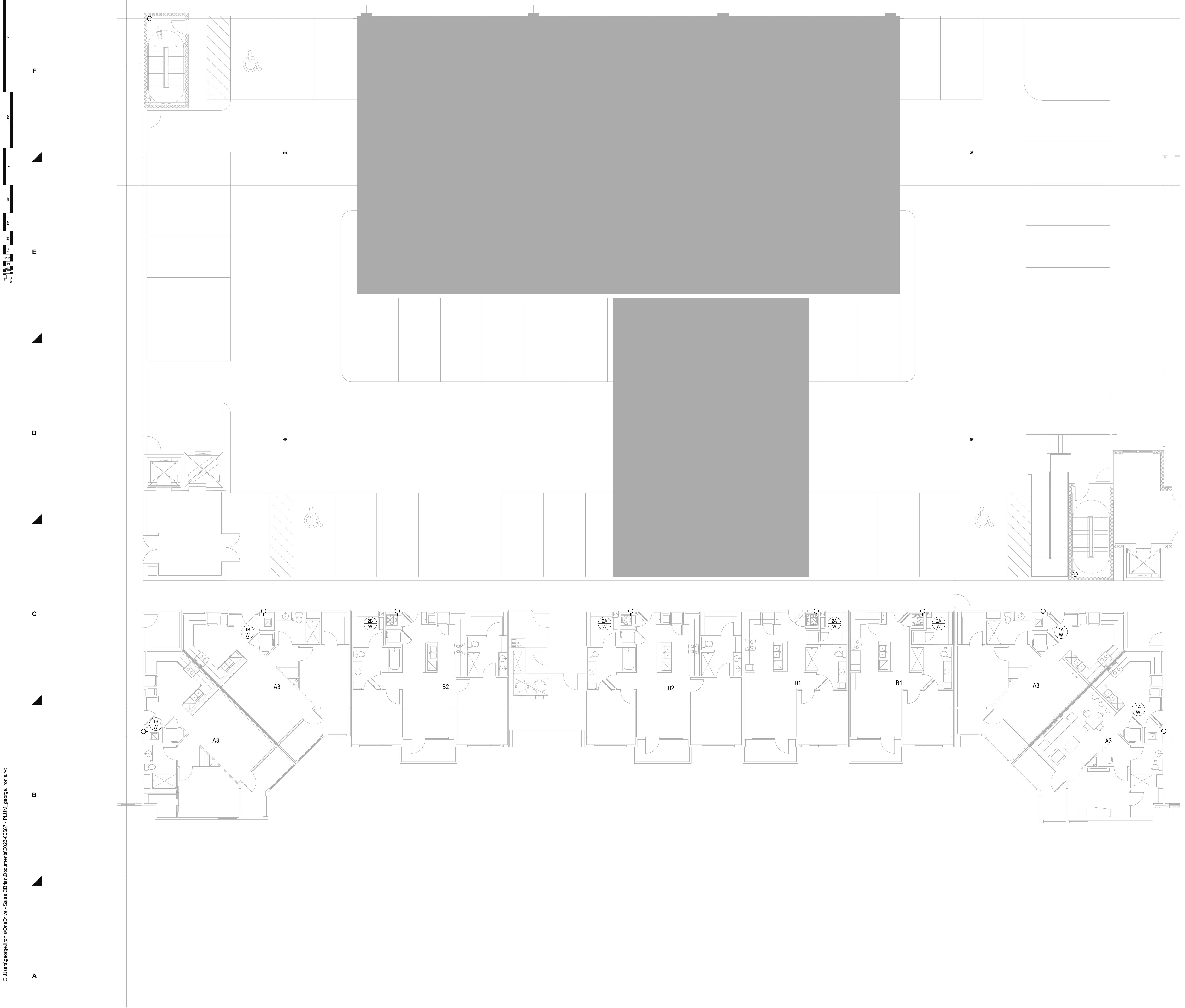
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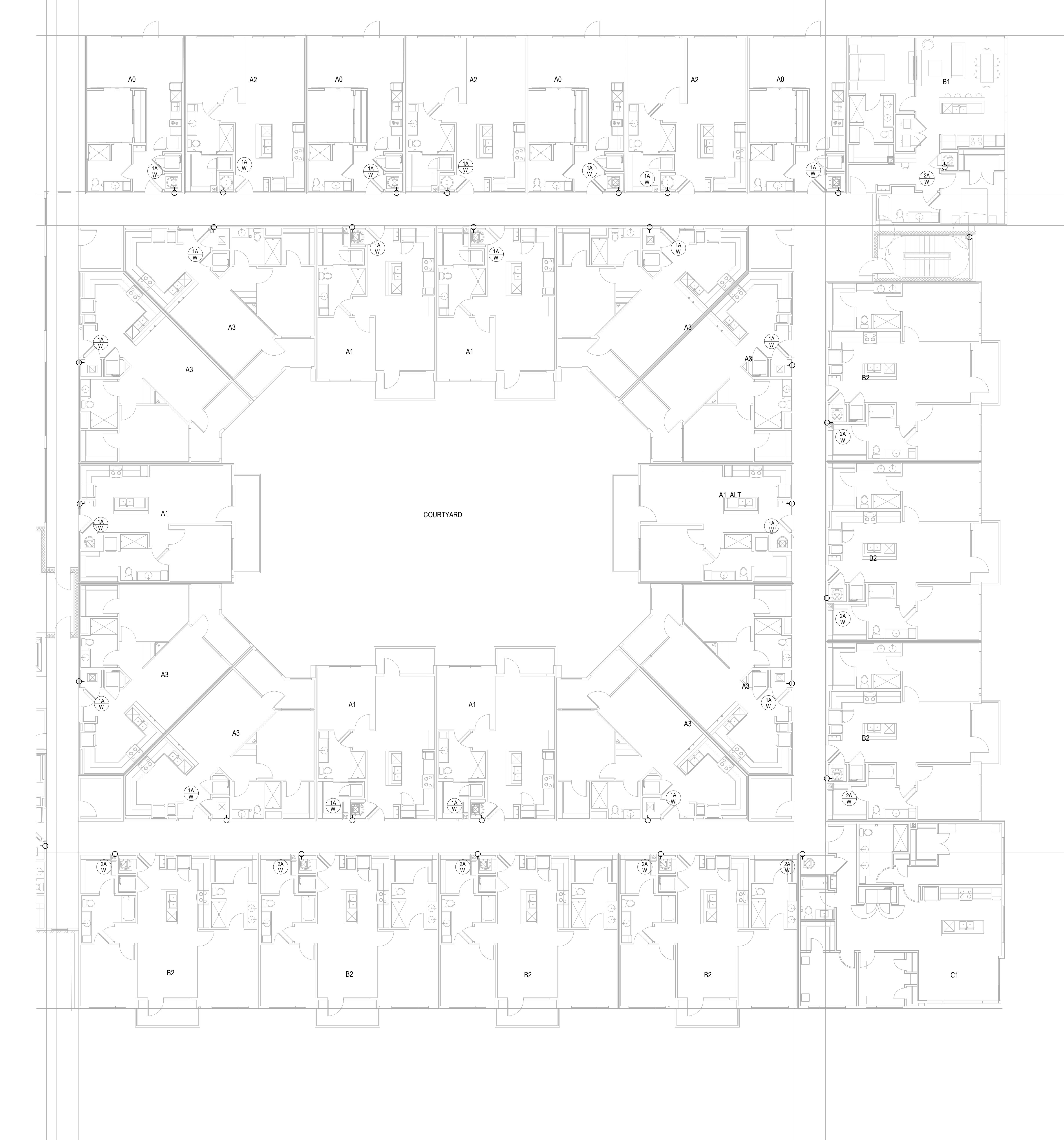












#### **GENERAL NOTES:**

ALL WATER SUPPLY AND VENT PIPING SHALL BE ROUTED ABOVE THE CEILING TIGHT TO STRUCTURE AND ALL SANITARY PIPING SHALL BE ROUTED BELOW FLOOR/SLAB UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL INSTALL "ADA" COMPLIANT FIXTURES IN ALL ALL ADA UNIT LOCATIONS. CONTRACTOR SHALL REFERENCE ARCHITECTURAL DRAWINGS FOR EXACT LOCATON OF ADA UNITS AND CONFIRM LOCATION PRIOR TO PERFORMING ANY WORK.

CONTRACTOR TO ENSURE ALL PLUMBING CONNECTIONS TO AND FROM DISHWASHER ARE INSTALLED.

ALL HOT AND COLD WATER SUPPLY LINES TO BE 1/2" UNLESS SPECIFIED OTHERWISE.

CONTRACTOR SHALL REFERENCE PLUMBING FIXTURE SCHEDULE AND WATER HEATER SCHEDULE FOR FIXTURE TYPES AND MODEL NUMBERS. ENSURE PLUMBING FIXTURES AND PLUMBING EQUIPMENT ARE INSTALLED IN PER MANUFACTURER'S RECOMMENDATION AND IN ACCORDANCE WITH AHJ.

ALL VENT PIPNG SHALL BE 2" UNLESS SPECIFIED OTHERWISE.

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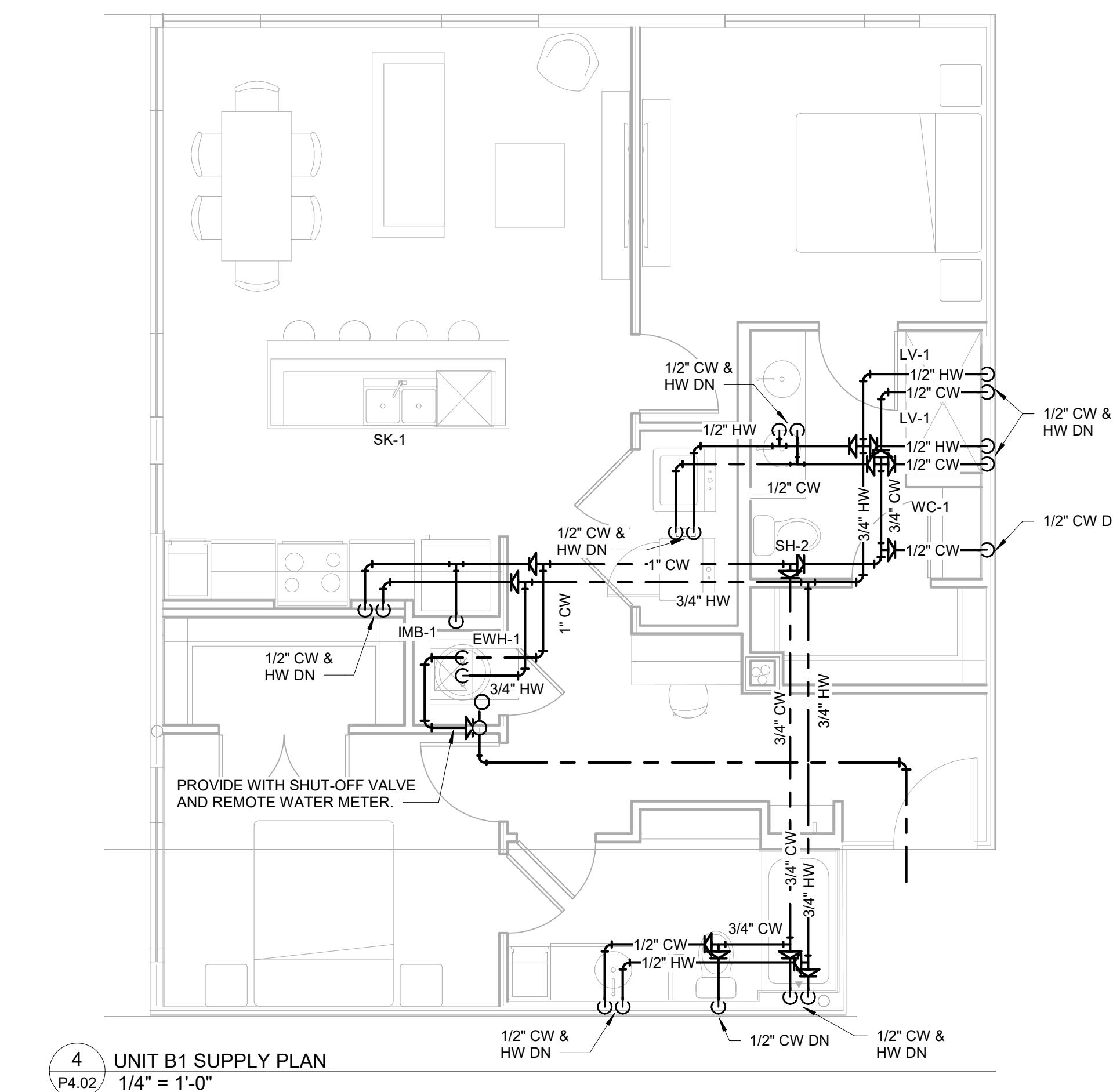
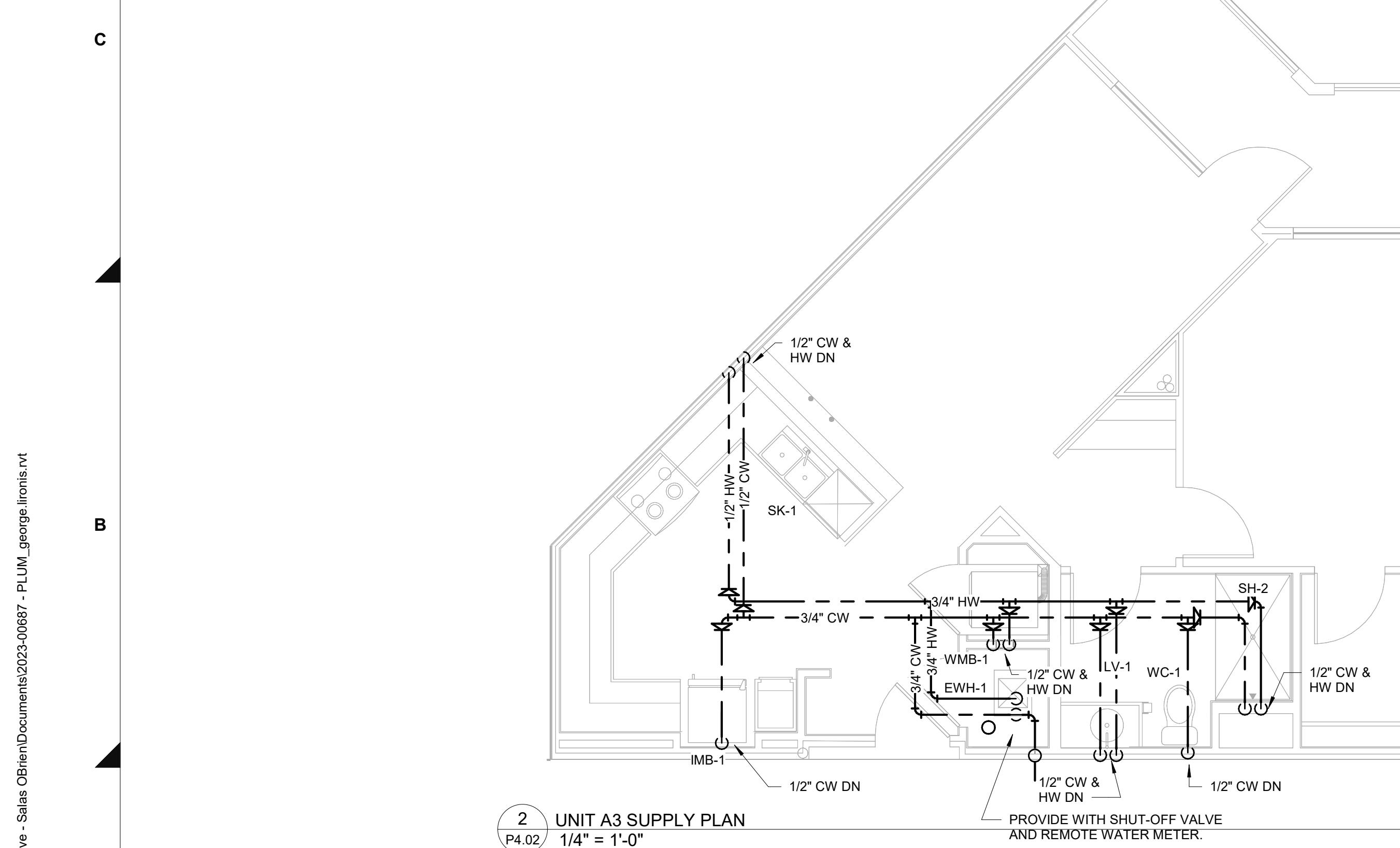
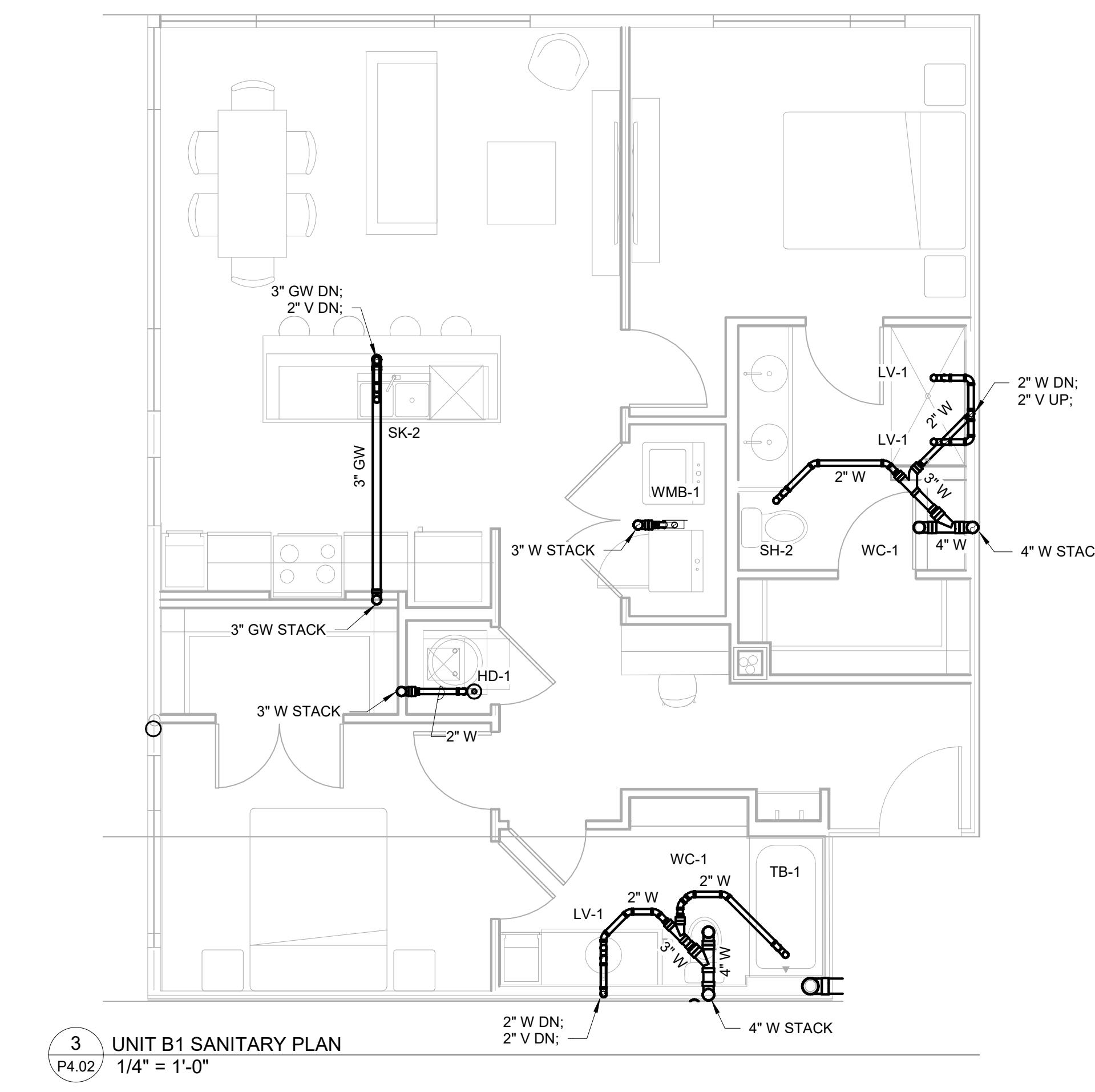
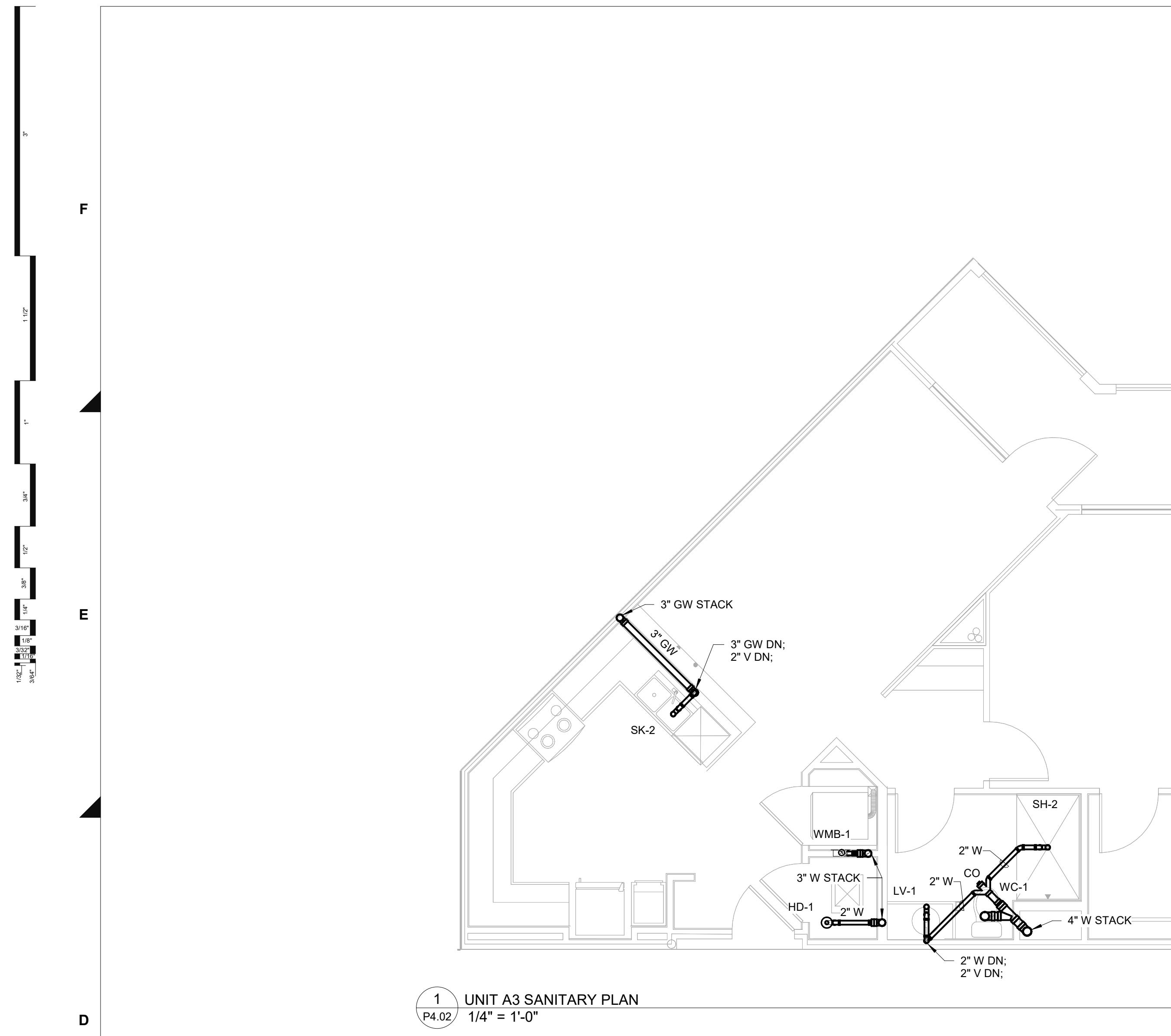
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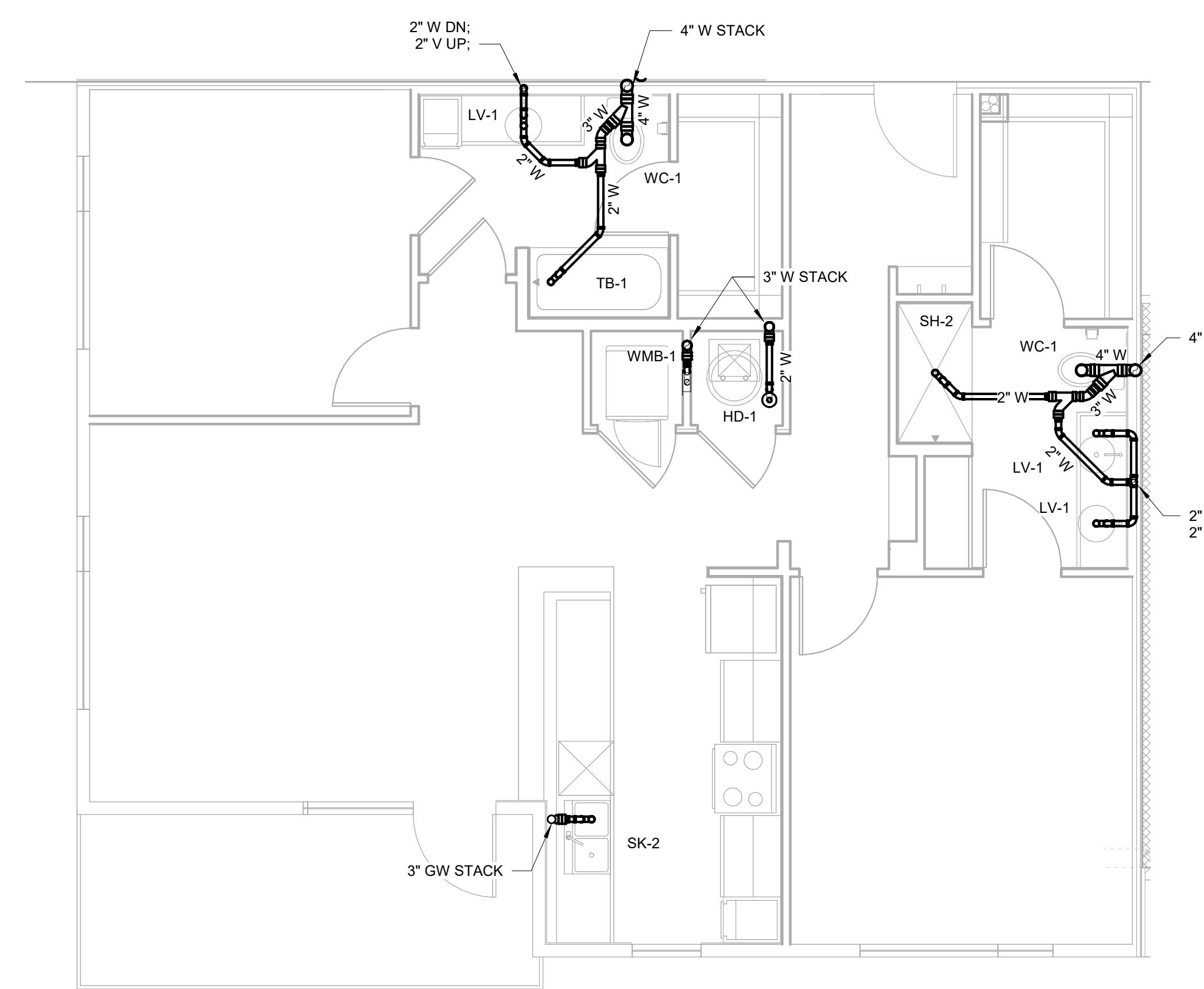
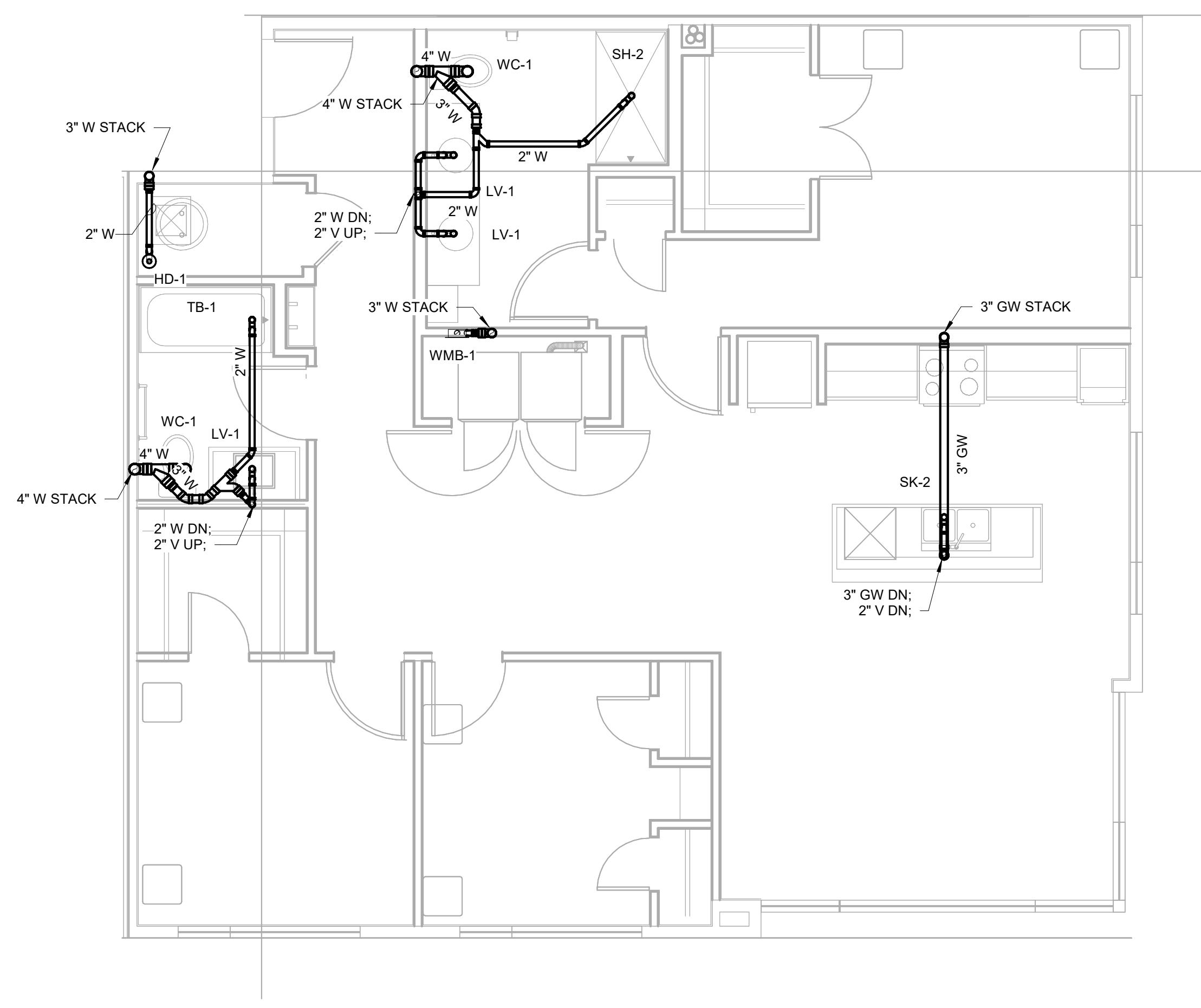
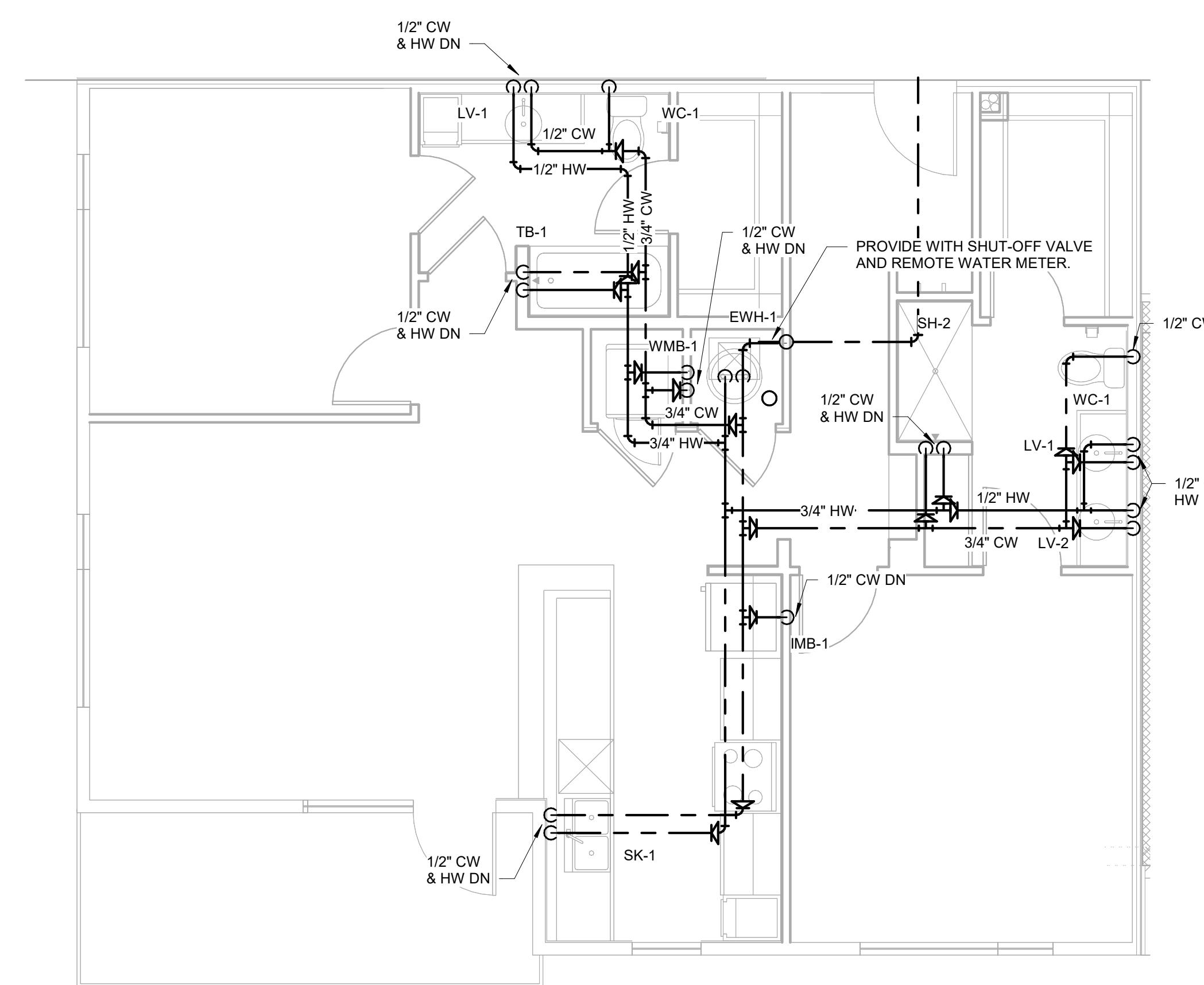
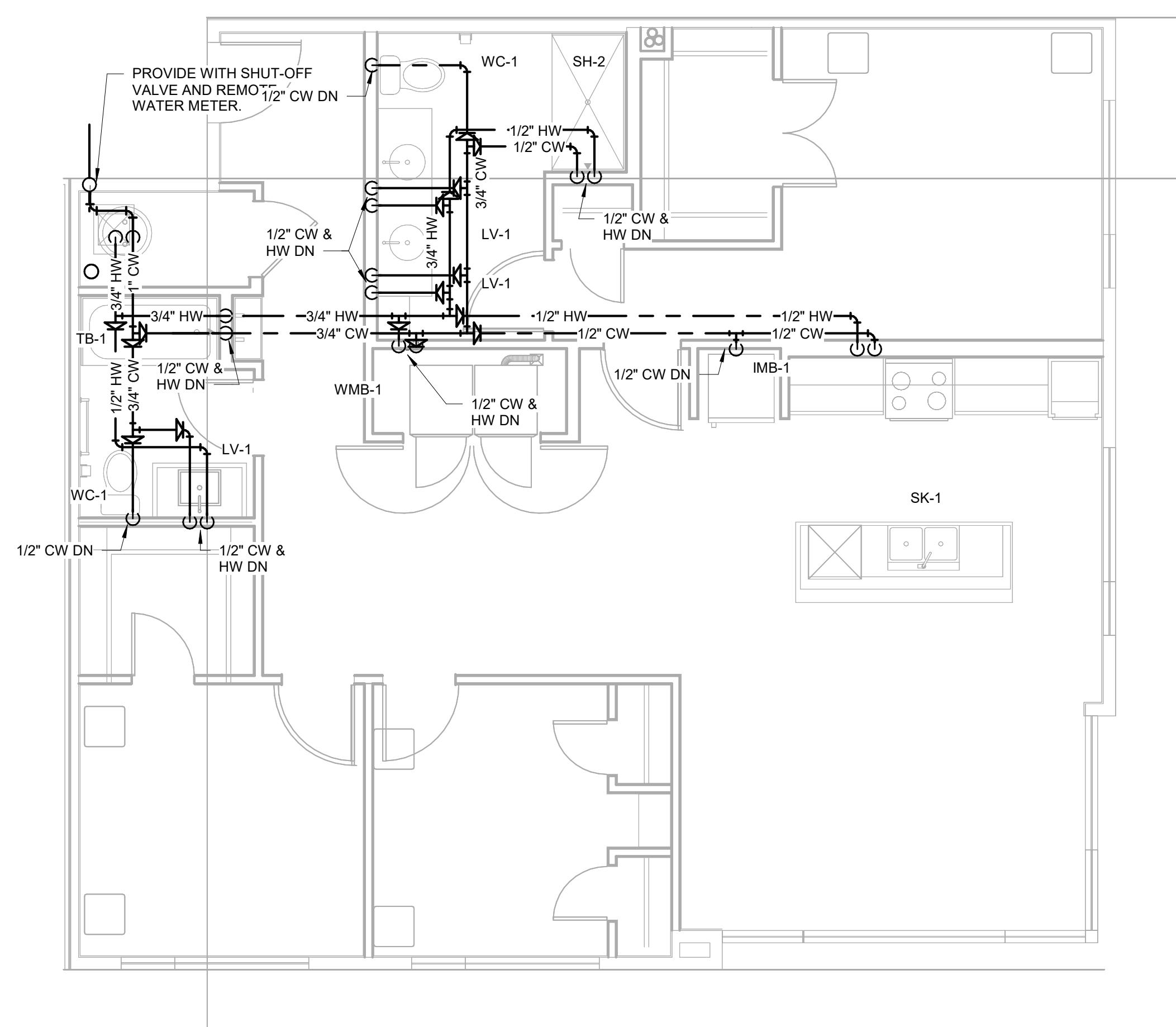
# ENLARGED UNIT PLUMBING PLANS

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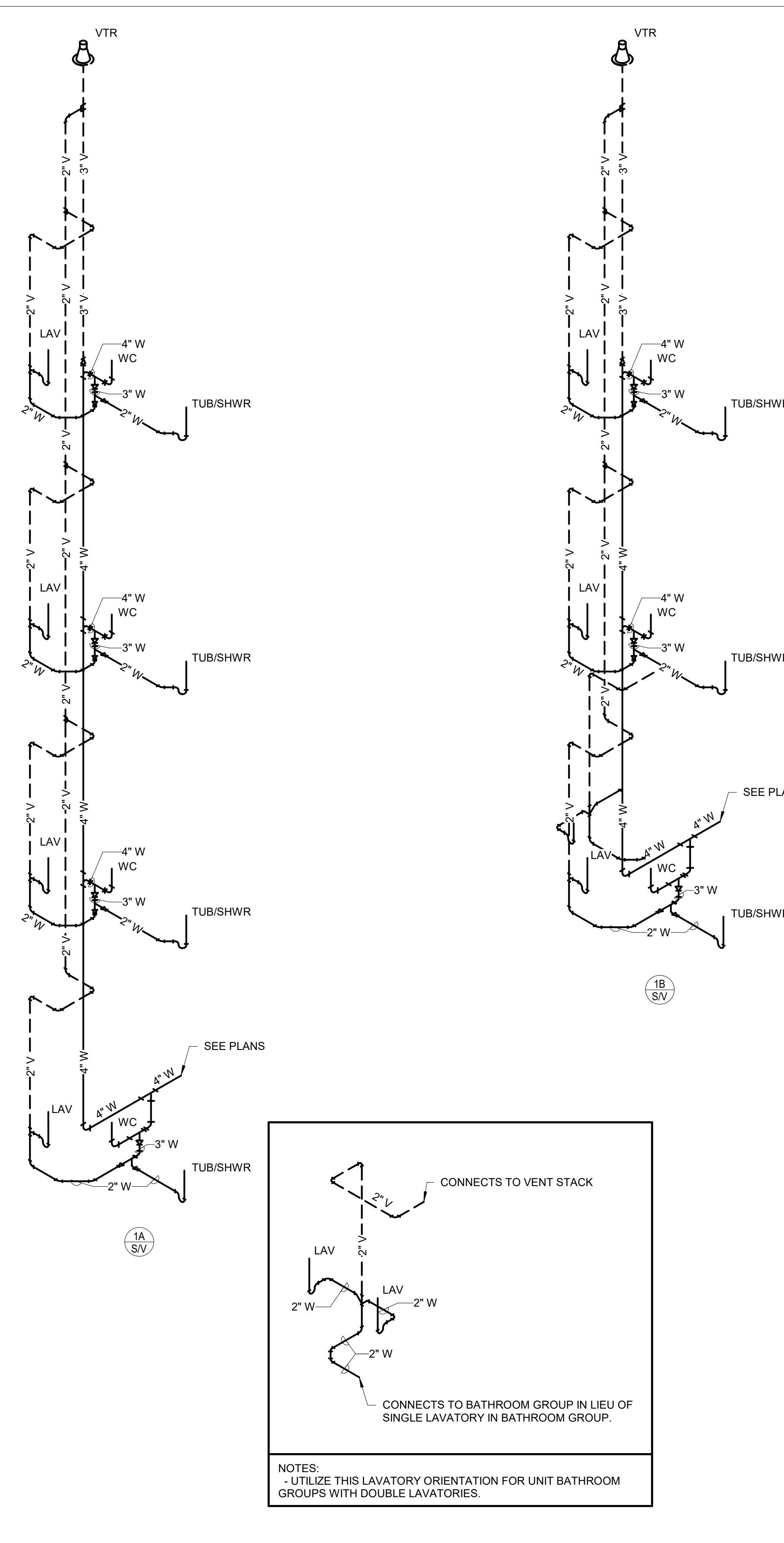
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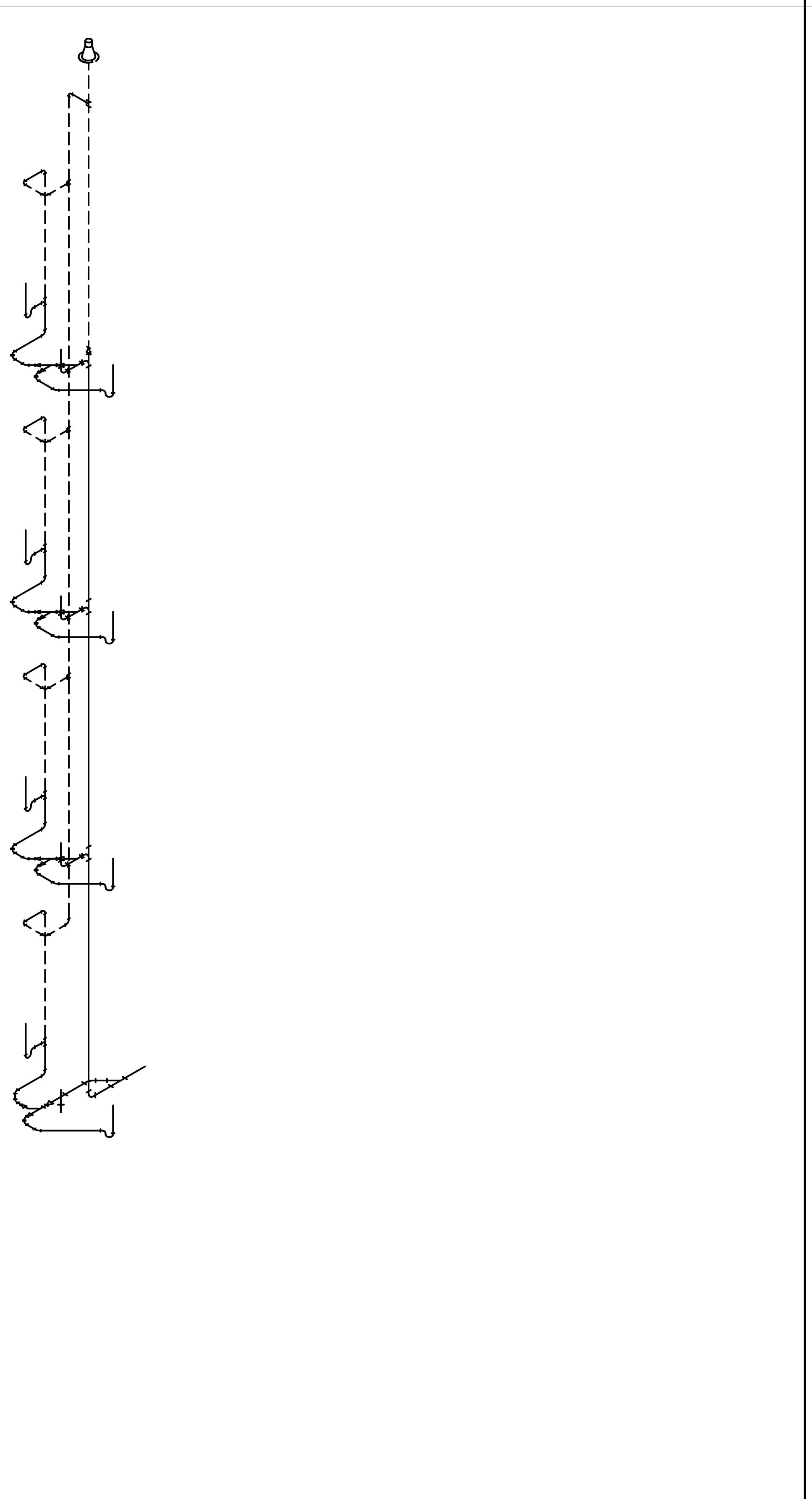


1 UNIT B4 SANITARY PLAN  
P4.04 1/4" = 1'-0"3 UNIT C1 SANITARY PLAN  
P4.04 1/4" = 1'-0"2 UNIT B4 SUPPLY PLAN  
P4.04 1/4" = 1'-0"4 UNIT C1 SUPPLY PLAN  
P4.04 1/4" = 1'-0"

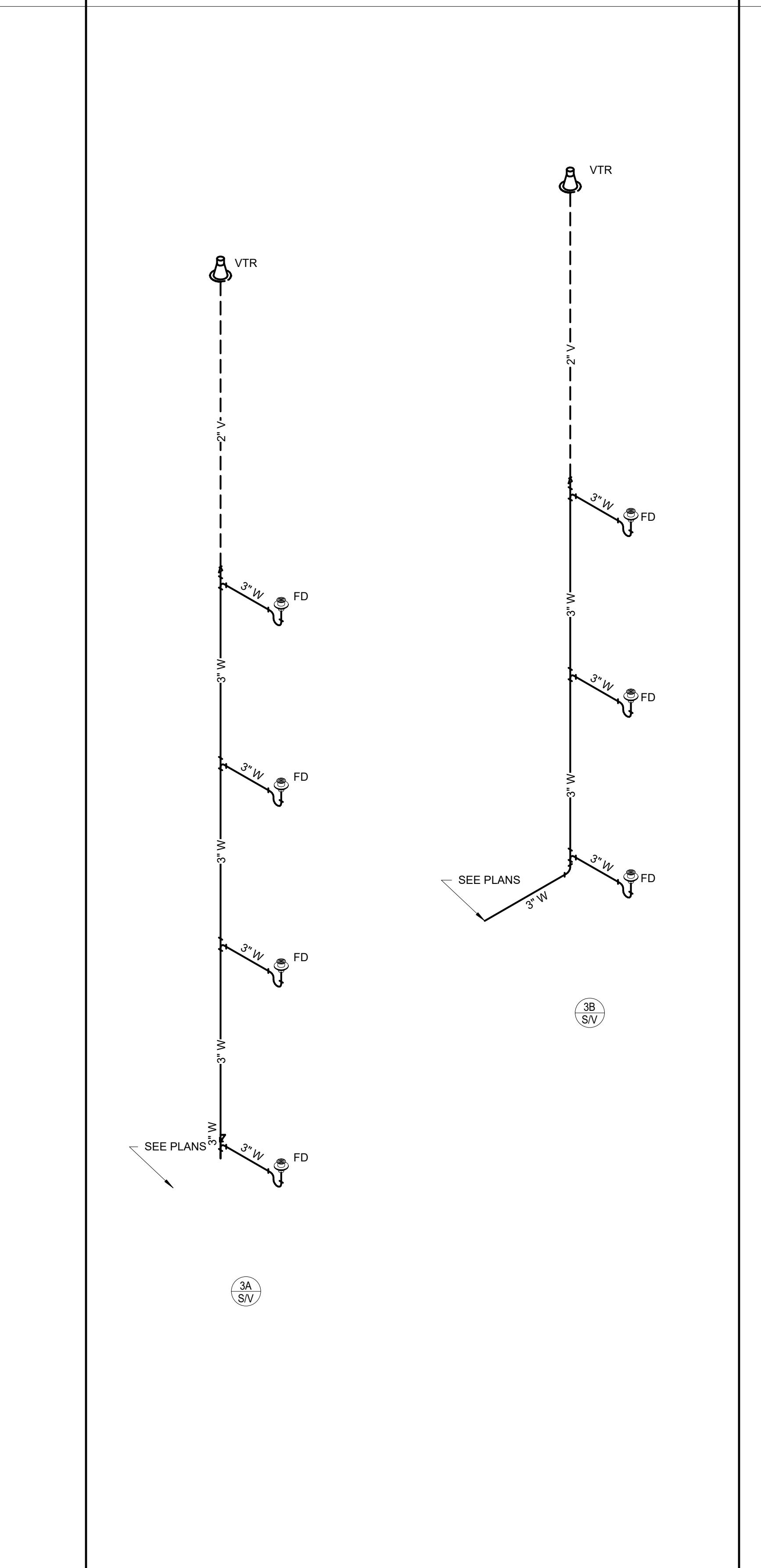




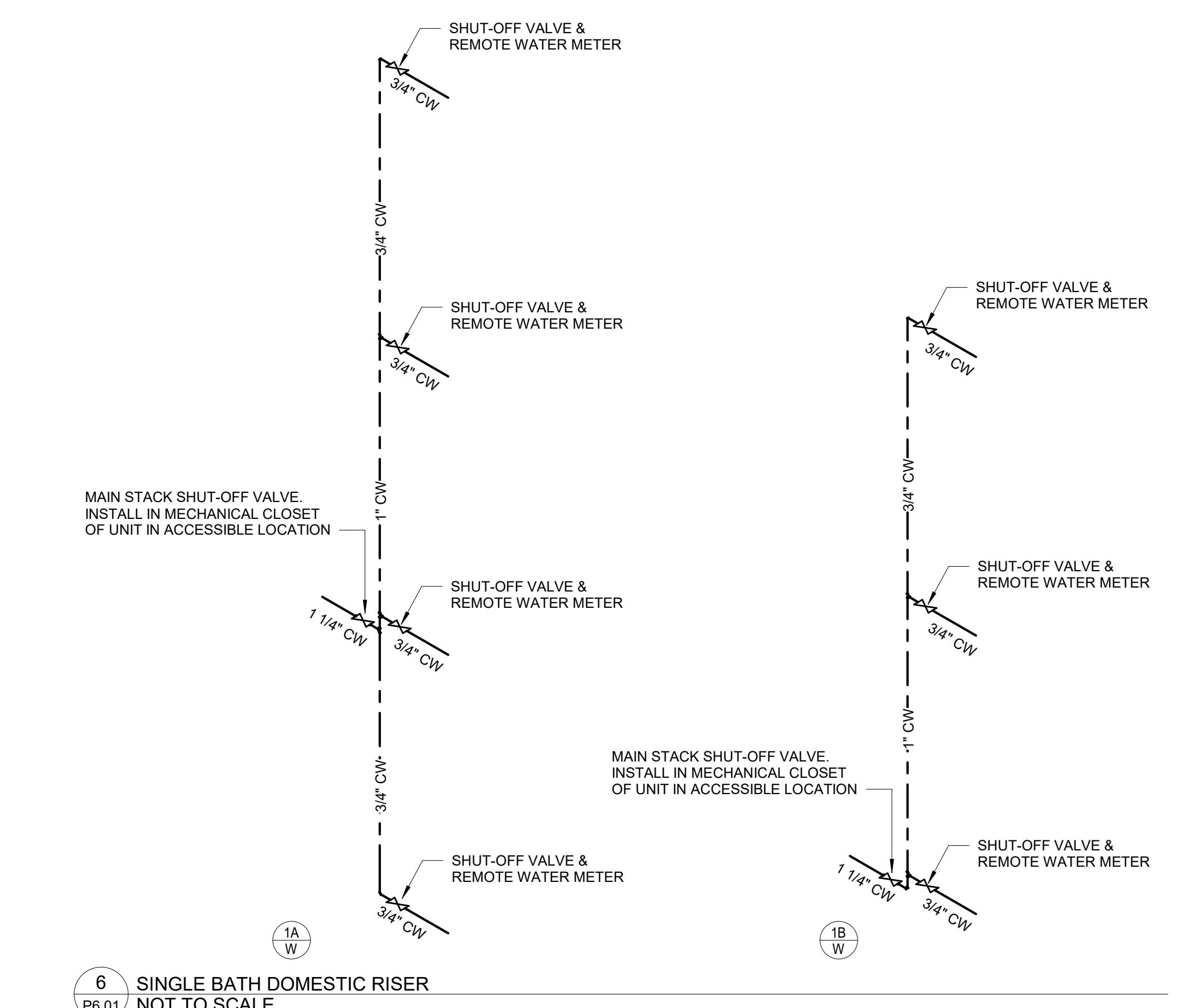
1 TYPICAL TYPE 1 BATHROOM GROUP SANITARY & VENT ISOMETRIC  
P6.01 NOT TO SCALE



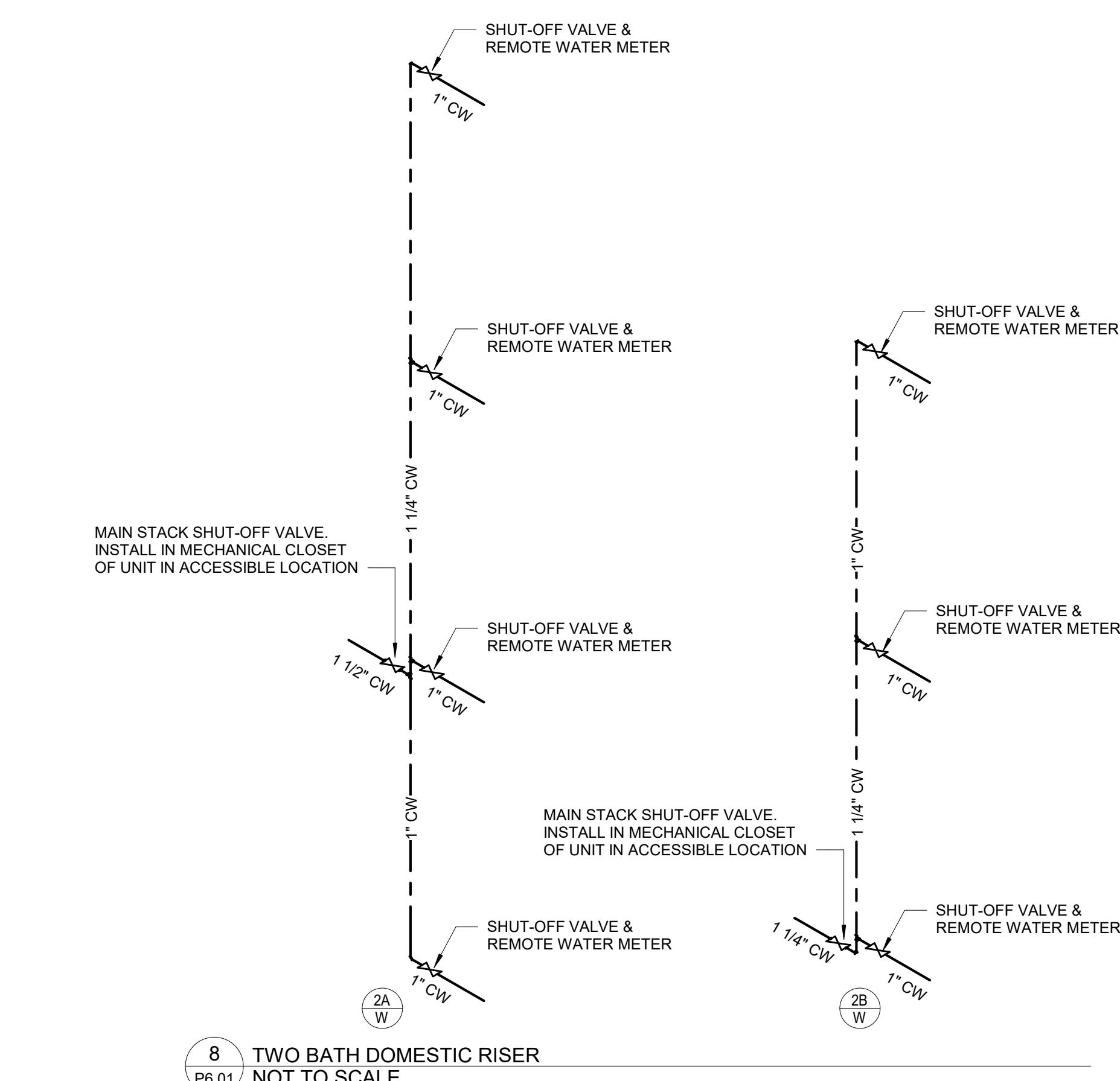
3 TYPICAL TYPE 2 BATHROOM GROUP SANITARY & VENT ISOMETRIC  
P6.01 NOT TO SCALE



4 MECHANICAL CLOSET SANITARY & VENT ISOMETRIC  
P6.01 NOT TO SCALE



W  
6  
SINGLE BATH DOMESTIC RISER  
P6.01  
NOT TO SCALE



W

