

CONTROLS NOTES

- 1. CONTROLS SCOPE OF WORK IS DESIGN-BUILD AND HVAC OR GENERAL CONTRACTOR SHALL ENGAGE A QUALIFIED CONTROLS SUBCONTRACTOR TO PROVIDE A COMPLETE AND FUNCTIONAL DESIGN-BUILD CONTROLS SYSTEM.
2. PROPOSED CONTROLS SYSTEM SHALL BE PREPARED BASED ON BUILDING OWNER OR OPERATORS STANDARDS.
3. THE INFORMATION SHOWN ON THIS SET OF PLANS IS TO CONVEY CODE REQUIREMENTS AND MINIMUM CONTROLS SPECIFICATIONS INCLUDING LOW VOLTAGE WORK NECESSARY FOR FIRE ALARM REQUIREMENTS RELATED TO SMOKE DETECTORS. THE DESIGN-BUILD CONTROLS CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF CONTROLS SYSTEM TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.
4. PROVIDE ONE TEMPERATURE CONTROLLER PER EACH AC SYSTEM. FOR EACH T-STAT WITH A SENSOR, COORDINATE EXACT LOCATION OF T-STAT WITH OWNER.

FUTURE ACCESS NOTES

CONTRACTOR SHALL PROVIDE THE FOLLOWING:

- 1. MEANS FOR ACCESS ALL SERVICE AREAS OF ALL HVAC EQUIPMENT/DEVICES. THIS INCLUDES BUT NOT LIMITED TO EACH FANCOIL OR AIR HANDLER, WATER SOURCE HEAT PUMPS, FANS, MANUAL OR MOTORIZED DAMPERS, FIRE OR COMBINATION/SMOKE FIRE DAMPERS, SMOKE DETECTORS, SENSORS AND SIMILAR COMPONENTS REQUIRING FUTURE ACCESS AND SERVICE.
2. ACCESS MIGHT BE THROUGH T-BAR PANELS, CEILING OR WALL ACCESS PANELS, DUCT ACCESS DOORS.
3. WHERE SAFE ACCESS THROUGH LADDERS IS NOT POSSIBLE, CONTRACTOR SHALL PROVIDE SERVICE PLATFORMS IN FRONT OF SERVICE/ACCESS AREAS.
4. EACH DUCTED SPLIT SYSTEM FAN COILS CONCEALED ABOVE A CEILING SHALL HAVE A DRAIN PAN TO ALLOW THE INSTALLATION OF THE SECONDARY CONDENSATE DRAIN LINE.
5. FD3
6. PROVIDE SHOP DRAWINGS OF THE ACCESS DOORS AND FLOOR PLAN LAYOUT TO ARCHITECT FOR APPROVAL.

SUBMITTED BIDS SHALL INCLUDE ALL SUCH MEANS OF ACCESS FOR EVERY SINGLE PIECE OF EQUIPMENT OR DEVICE.

EXISTING BUILDING NOTES

CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID TO SEE THE EXISTING CONDITIONS & TO VERIFY THE FEASIBILITY OF WHAT SHOWN ON PLANS AND EXTENT OF DEMOLITION WORK REQUIRED. SUBMITTED BID SHALL INCLUDE ALL MATERIAL AND LABOR NECESSARY FOR A COMPLETE INSTALLATION AND START UP INCLUDING ONE YEAR LABOR AND MATERIAL WARRANTY. VERIFY EXACT LOCATION, SIZE AND ROUTING OF EXISTING EQUIPMENT AND OTHER COMPONENTS SHOWN ON THIS SET OF DRAWINGS BEFORE COMMENCEMENT OF ANY WORK & REPORT ANY DISCREPANCY TO ARCHITECT OR ENGINEER FOR DIRECTION.

UPON AWARD OF CONTRACT, EXAMINE AND REPORT ANY NEEDS FOR REPAIRS RELATED TO EXISTING HVAC EQUIPMENT SHOWN ON THIS SET OF PLANS TO BE REUSED TO AVOID IMPACT ON PROJECT SCHEDULE.

CAL GREEN & OTHER TEST NOTES

MECHANICAL & PLUMBING SYSTEM DESCRIPTION:

- MECHANICAL SYSTEMS
SYSTEM DESCRIPTION:
HEATING, VENTILATING AND AIR CONDITIONING SYSTEM DESIGN CRITERIA:
1. GENERAL: THE DESIGN OF THE HVAC SYSTEM WILL COMPLY WITH THE 2022 CALIFORNIA BUILDING CODE CALIFORNIA GREEN CODE, AND 2022 CALIFORNIA MECHANICAL CODE, COUNTY OF LOS ANGELES FIRE CODE, AND THE CALIFORNIA TITLE 24 ENERGY CONSERVATION CODE FOR NONRESIDENTIAL BUILDINGS.
2. DESIGN CONDITIONS:
a. SUMMER: OUTSIDE DRY BULB (0.5%) AND COINCIDENT WET BULB: 90°F/70°F INSIDE DRY BULB: 75°F INSIDE RELATIVE HUMIDITY: 40%-60%
b. WINTER: OUTSIDE DRY BULB (0.2%): 38°F INSIDE DRY BULB: 70°F
c. MINIMUM VENTILATION: PER THE REQUIREMENTS OF 2022 CA ENERGY CODE
d. CA ENERGY CODE
e. MINIMUM AIR SUPPLY: MINIMUM AIR SUPPLY RATE IN CONDITIONED AREA UNDER FULL LOAD CONDITIONS.
3. INTERIOR LOADS:
a. LIGHTS: PER CALIFORNIA ENERGY COMMISSION DEFAULT LOADS OR ACTUAL PROVIDED.
b. MISCELLANEOUS EQUIPMENT: PER ENERGY CODE DEFAULT POWER DENSITY, OR PER ACTUAL DATA PROVIDED
c. PEOPLE: PER CALIFORNIA BUILDING CODE

- PART 2: MATERIALS AND EQUIPMENT
MECHANICAL AIR SYSTEM:
1. A NEW AIR CONDITIONING UNIT LOCATED WITHIN THE FOOTPRINT OF THE BUILDING:
a. UNITS SHALL BE SPLIT PACKAGED UNIT WITH ELECTRIC HEAT PUMP AND MERV-13 FILTERS
c. SEISMIC ROOF CURB.
d. UNIT SHALL BE WEATHER PROOF CONSTRUCTION.
g. UNIT WILL BE FACTORY FABRICATED AND EQUAL TO SPECIFIED UNITS.

- AIR DISTRIBUTION SYSTEM:
1. CONSTANT VOLUME SUPPLY AND RETURN DUCTWORK FROM THE AC UNIT.
2. AIR CONDITIONING UNIT WILL HAVE ONE THERMOSTAT CONTROLLING THE ZONE'S TEMPERATURE.
BUILDING HEATING SYSTEM:
1. EACH AC UNIT WILL BE EQUIPPED WITH HEATING CYCLE.
2. THE SAME CONSTANT VOLUME DUCTWORK WILL BE USED TO DELIVER THE HEATING CAPACITY.
AUTOMATIC CONTROLS:
1. AUTOMATIC CONTROLS WILL BE THROUGH INDIVIDUAL 7-DAY PROGRAMMABLE THERMOSTATS FOR EACH FCU.

- TOILET VENTILATION/GENERAL EXHAUST SYSTEM:
TOILET VENTILATION SYSTEM WILL BE SIZED TO PROVIDE THE EXHAUST RATES REQUIRED BY ASHRAE 62.1 STANDARD AS ADOPTED BY 2022 CMC IN THE TOILETS.
1. TOILET EXHAUST WILL BE DUCTED TO THE ROOF OR EXTERIOR WALLS.
2. DOMESTIC HOT WATER HEATER:
3. PLUMBING SUBCONTRACTOR SHALL PERFORM A SYSTEM STARTUP FOR DOMESTIC HOT WATER SYSTEM FOLLOWING THE START-UP PLAN DEVELOPPED BY THE GENERAL CONTRACTOR.
4. PLUMBING SUBCONTRACTOR SHALL PERFORM FUNCTIONAL TESTING FOR THE WATER HEATER. THE FUNCTIONAL TEST SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING:
• WATER TEMPERATURE
• T&P VALVE

ADDITIONAL CAL GREEN & TEST NOTES

AT THE MINIMUM, THE FOLLOWING TESTS SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNTIL PASSING ALL TESTS, THE RESULTS SHOULD BE REPORTED TO INSPECTORS:

- 1- OUTDOOR AIR
2- DUCT LEAKAGE TEST AND AIR DISTRIBUTION DUCT LEAKAGE.
3- TEST REQUIRED BY COMMISSIONING AGENT.
4- HVAC SYSTEMS AND CONTROLS SHALL COMPLY WITH ONE OF THE FOLLOWING STANDARDS:
TABB'S CONSTRUCTION SPECIFICATIONS INSTITUTE MASTER FORMAT (SECTIONS 23 05 93 AND 16990) OR NEBB'S STANDARDS FOR TESTING, ADJUSTMENT, AND BALANCING OF ENVIRONMENTAL SYSTEMS (7TH EDITION) OR ASHRAE STANDARD 111-2022

- 1- PRESSURE TESTS FOR ALL PIPING PER 2022 CPC: DOMESTIC WATER SYSTEM: PER SECTION 609.4 OF 2022 CPC. SANITARY WASTE & VENT SYSTEM: PER SECTION 712.0 OF 2022 CPC. GAS PIPING SYSTEM: PER SECTION 1214.3 ODF 2022 CPC.
2- START, FULL LOAD CONSUMPTION AND TEMPERATURE CONTROL TEST FOR THE WATER HEATERS, AND PUMPS.
3- SEISMIC RESTRAINT INSTALLATION.

- AN AIR BALANCE TEST WILL BE REQUIRED TO VERIFY THE MINIMUM VOLUME OF OUTSIDE AIR TO COMPLY WITH THE T-24 CALCULATIONS, BEFORE THE FINAL APPROVAL OF THIS PROJECT.
27. AIR HANDLING DUCT SYSTEMS EXCEPT GREASE EXHAUST DUCT SYSTEM SHALL BE CONSTRUCTED INSTALLED AND INSULATED AS PROVIDED IN CHAPTER 6 OF 2022 CMC.
28. MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THEN 25 AND SMOKE DEVELOPED INDEX NOT GREATER THEN 50 2022 CMC SECTION 602.2

- 29. A 7-DAY 24 HOUR TIME CLOCK OR A PROGRAMMABLE THERMOSTAT SHALL BE PROVIDED ON HVAC UNIT THAT AUTOMATICALLY SHUT DOWN DURING PERIODS OF NON USE. THERMOSTAT SHALL BE MOUNTED BETWEEN 3 AND 4 FT ABOVE FINISHED FLOOR.
30. PRIOR TO FINAL APPROVAL OF THE MECHANICAL PERMIT, A SMOKE DETECTOR SHUT OFF TEST SHALL BE REQUIRED.

- 31. DOCUMENT AND SHOW THE MECHANICAL SYSTEM DESIGN TO COMPLY WITH THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE MANDATORY MEASURES THAT APPLY TO THE ALTERATIONS AND TENANT IMPROVEMENTS OF NON RESIDENTIAL BUILDING.

GENERAL NOTES

- 1. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THESE CODES AND APPLICABLE LOCAL ORDINANCE WHERE CONTRACT DOCUMENTS EXCEED WITHOUT VIOLATING CODE AND REGULATION REQUIREMENTS. CONTRACT DOCUMENTS TAKE PRECEDENCE. WHERE CODE CONFLICT, THE MORE STRINGENT SHALL APPLY. IT SHALL BE THE CONTRACTOR'S AND HIS EMPLOYEES RESPONSIBILITY TO BE FAMILIAR WITH ALL CODES AND ORDINANCES, CITY OR STATE, AS REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT WHERE ANY CONFLICTS OCCUR BETWEEN FEDERAL, STATE AND LOCAL LAWS, CODES, ORDINANCES, AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO STRUCTURE, MECHANICAL, PLUMBING, ELECTRICAL, EQUIPMENT, AND ALL OTHER EXISTING SYSTEMS; AND MAKE NECESSARY PROVISIONS TO MAINTAIN THE INTEGRITY OF SAID SYSTEMS PRIOR TO THE COMMENCEMENT OF DEMOLITION, IF ANY. SEE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND EQUIPMENT DRAWINGS FOR ANY SYSTEMS OR PORTIONS THEREOF TO BE REMOVED, RELOCATED, REVISED OR ABANDONED. ALL POSSIBLE CARE SHALL BE EXERCISED BY THE CONTRACTOR TO INSURE THAT ANY SAID UTILITY WILL NOT BE THE CAUSE OF ENDANGERMENT TO THE LIFE OR HEALTH OF ANY PERSON.
3. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY APPARENT DISCREPANCY SHALL BE BROUGHT TO THE CONTRACTING OFFICER PRIOR TO START OF CONSTRUCTION. SO A CLARIFICATION MAY BE ISSUED, ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
4. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST OF GENERAL CONDITIONS, SPECIAL CONDITIONS, MATERIALS, INSTALLATION METHODOLOGY AND NOTES.
5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, SERVICES, AND POINTS OF CONNECTION PRIOR TO START OF WORK.
6. DUCTWORK, PIPING AND CONDUIT, AS SHOWN ON DRAWINGS, IS SCHEMATIC AND SHALL BE FABRICATED AND INSTALLED BASED ON ACTUAL FIELD MEASUREMENT, COORDINATE WITH OTHER TRADES AS REQUIRED.
7. THE SUPPORT AND SEISMIC BRACING IF REQUIRED FOR ALL PIPES, DUCTS AND CONDUITS SHALL BE CONSTRUCTED AND INSTALLED IN STRICT ACCORDANCE WITH PRE-APPROVED ANCHORAGE SYSTEMS. A COPY OF THESE MANUFACTURER'S PRE-APPROVED GUIDELINES OR SEISMIC RESTRAINT SHALL BE MADE AVAILABLE AT THE JOB SITE AT ALL TIMES FOR USE BY THE SITE INSPECTOR WITH INFORMATION ON THE SYSTEM WHICH WILL BE USED PRIOR TO INSTALLATION. THE PRE-APPROVED SYSTEMS ARE THOSE INDUSTRY'S SEISMIC RESTRAINT GUIDELINES FOR MECHANICAL AND PLUMBING SYSTEMS; THE SUPERSTRUIT SEISMIC RESTRAINT SYSTEM, UNISTRUT SEISMIC BRACING SYSTEM; REFER TO DETAILS ON SHEET M2.2 AND M2.4 FOR SPECIFIC PRE-APPROVED SEISMIC BRACING SYSTEM FROM MASON INDUSTRIES.
8. PROVIDE VOLUME DAMPERS IN ALL BRANCH DUCTS FOR SYSTEM BALANCING.
9. ALL SIZES INDICATED ON THE PLANS ARE THE MINIMUM ALLOWABLE AND ARE BASED ON THE PERFORMANCE REQUIRED. NONE OF THE DUCT OR PIPE VELOCITIES SHALL EXCEED THE VELOCITIES ESTABLISHED BY THIS CRITERIA.
10. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS, REGISTERS, GRILLES AND ACCESS PANELS.
11. ALL DUCT DIMENSIONS, AS SHOWN ON MECHANICAL DRAWINGS, ARE CLEAR INSIDE DIMENSIONS.
12. FIRE DAMPER ASSEMBLIES, INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIRE RATED WALLS AND SMOKE SEPARATIONS.
13. ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE LATEST REQUIREMENTS OF THE CALIFORNIA TITLE 24.
14. ALL HVAC EQUIPMENT AND APPLIANCES SHALL MEET THE REQUIREMENTS OF SECTION 111-113, 115, 120-129 OF THE ENERGY EFFICIENCY STANDARDS.
15. ALL HVAC SYSTEMS SHALL MEET THE LATEST CONTROL REQUIREMENTS OF SECTIONS 112 AND 122 ENERGY EFFICIENCY STANDARDS.
16. ALL EQUIPMENT AND APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION CMC 304.1.
17. MECHANICAL MATERIAL STANDARD SHALL BE LISTED AND LABELING TO COMPLY WITH TABLE 1701.1.1, CMC 307.1
18. SPECIFY THAT AN APPROVED INDEPENDENT ELECTRICAL DISCONNECT WILL BE PROVIDED FOR EACH PIECE OF EQUIPMENT WITHIN SIGHT OF THE EQUIPMENT A 120 VOLT RECEPTACLE SHALL BE LOCATED WITHIN 25 FEET OF THE EQUIPMENT FOR SERVICE AND MAINTENANCE PURPOSES CMC 303.8.5.
19. FACTORY MADE AIR DUCTS SHALL COMPLY WITH REFERENCE STANDARD CHAPTER 17 SUPPORT OF DUCTS, INSTALLED PROVIDE THE MANUFACTURER'S FIELD FABRICATION AND INSTALLATION INSTRUCTIONS, CMC 602.3.
20. ALL MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2000 CFM SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF ACTIVATED BY A SMOKE DETECTOR LOCATED IN THE MAIN SUPPLY AIR DUCT. A SYSTEM MAY INCLUDE MORE THAN ONE PIECE OF AC UNIT WHICH SERVES A COMMON SPACE WITH AGGREGATE SUPPLY AIR OF MORE THAN 2000 CFM. PLEASE SHOW SMOKE DETECTORS ON THE PLANS CMC 608.1.
21. AIR CONDITIONING REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE PROTECTED FROM UNAUTHORIZED ACCESS CMC 1105.11.
22. ALL APPLIANCE AND PLUMBING VENTS AND THE DISCHARGE OUTLET OF EXHAUST FANS SHALL BE AT LEAST TEN FEET IN A HORIZONTAL DIRECTION, OR THREE FEET ABOVE THE OUTSIDE AIR INTAKES FOR HVAC UNITS.
23. OUTDOOR AIR INTAKE OPENINGS SHALL BE COVERED WITH A SCREEN HAVING NOT LESS THAN 1/4 INCH OPENINGS AND NOT MORE THAN 1/2 INCH OPENINGS.
24. HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH AN APPROVED METHOD PER SECTION 314.1 OF THE CALIFORNIA MECHANICAL CODE.
25. AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL, OR OTHER ACCEPTABLE METHODS TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM CAL GREEN 5.504.3.
26. AN AIR BALANCE TEST WILL BE REQUIRED TO VERIFY THE MINIMUM VOLUME OF OUTSIDE AIR TO COMPLY WITH THE T-24 CALCULATIONS, BEFORE THE FINAL APPROVAL OF THIS PROJECT.
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MECHANICAL LEGEND

Table with 4 columns: SYMBOL, DESCRIPTION, ABBREV., DESCRIPTION. Includes symbols for single line ductwork, duct transition, vaned elbow, radius elbow, tee-wye fitting, flexible duct, round vertical duct drop, round vertical duct rise, thermostat, gate valve, equipment tag, detail or section number, reference number, diameter, square feet, point of connection, and point of disconnection.

APPLICABLE CODES

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH:
2022 CALIFORNIA BUILDING CODE - PART 2, TITLE 24 CCR
2022 NATIONAL ELECTRICAL CODE, NEC
2022 CALIFORNIA ELECTRICAL CODE - PART 3, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE - PART 9, TITLE 24, CCR
2022 STATE REFERENCED STANDARDS CODE - PART 12, TITLE 24, CCR
TITLE 19, CCR: PUBLIC SAFETY, DIV. 1, STATE FIRE MARSHAL REGULATIONS, NFPA 99, 2022 EDITION.

SCOPE OF WORK

MECHANICAL DRAWING LIST

Table with 2 columns: M-0.1 MECHANICAL NOTES AND LEGENDS, M-0.2 MECHANICAL SCHEDULES, M-0.3 MECHANICAL SCHEDULES, M-1.0 CITY HALL MECHANICAL PLAN, M-1.2 CITY HALL MECHANICAL EXHAUST PLAN, M-1.3 CITY HALL MECHANICAL ZONE DAMPER, M-1.4 CITY HALL MECHANICAL ROOF PLAN, M-2.0 COUNCIL CHAMBER MECHANICAL PLAN, M-2.1 COUNCIL CHAMBER MECHANICAL ZONE & ROOF, M-3.0 SENIOR & COMMUNITY CENTER MECHANICAL PLAN, M-3.1 SENIOR & COMMUNITY CENTER MECHANICAL ROOF PLAN, M-4.0 MECHANICAL DETAILS, M-4.1 MECHANICAL DETAILS, M-4.1 MECHANICAL DETAILS, M-5.0 MECHANICAL TITLE-24, M-5.1 MECHANICAL TITLE-24, M-5.2 MECHANICAL TITLE-24, M-5.3 MECHANICAL TITLE-24, M-5.4 MECHANICAL TITLE-24, M-5.5 MECHANICAL TITLE-24, M-5.6 MECHANICAL TITLE-24, M-6.0 MECHANICAL CONDENSATE DRAIN, M-6.1 MECHANICAL CONDENSATE DRAIN, M-6.2 MECHANICAL CONDENSATE DRAIN

DIFFUSER SCHEDULE

Table with columns: ITEM NO., MANUFACTURER AND MODEL NO., TYPE, MAX. CFM (@ NC 20), OVERALL DIMENSION IN. x IN., NECK SIZE IN. x IN., MOUNTING, MAX S.P. IN.WC, MAX N.C., NOTES. Includes rows for CD-1 to CD-6, XC-310, CR-1 to CR-6, LD-1, LR-1.



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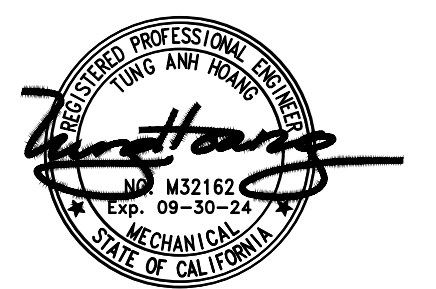
SIGNATURE: David A. Johnson, 13215 Penn St. Suite 300, Whittier, California 90602, (562) 945-8821. PROJECT TITLE: CITY OF WESTMINSTER, 8200 WESTMINSTER BLVD. WESTMINSTER, CA 92663. SHEET TITLE: MECHANICAL NOTES & LEGENDS. PRINCIPAL IN CHARGE: CH/TH, JOB CAPT: -, DRAWN BY: AM/AY, PROJECT NO.: 2024002.00, SHEET NO.: M-0.1, DATE: January 22, 2026, OF SHEETS: -

ROOFTOP PACKAGED HEAT PUMP UNIT SCHEDULE FOR FIRST FLOOR

UNIT NO.	MANUFACTURER AND MODEL NO.	AREA SERVED	LOCATION	AIR BALANCE			COOLING CAPACITY		NOMINAL CAP. (TONS)	EER	HEATING CAPACITY		SEER	HSPF	ELECTRICAL DATA					DISCONNECT SIZE		FILTER	POWER EXHAUST ELECTRICAL DATA					WEIGHT (LBS)	REMARKS
				SA (CFM)	MIN OA (CFM)	ESP (IN)	SENSIBLE (MBH)	TOTAL (MBH)			INPUT (MBH)	OUTPUT (MBH)			V	P	HZ	MCA	MOCP	FLA	LRA		V	P	HZ	MCA	MOCP		
RT 1	CARRIER 50GQJ06A2A6	SEE THE FLOOR PLAN	ROOF	1900	280.25	0.85	47.33	61.35	5	12	49.40	49.40	17	8.9	460	3	60	13	20	2.1	-	16X16X2	460	3	-	-	-	1048	<ul style="list-style-type: none"> SEE SPECIFICATIONS FROM FACTORY FOR CONTROLS. PROVIDE WITH FACTORY FURNISHED ECONOMIZER. PROVIDE UNIT SHUT DOWN CONTROL WITH DUCT DETECTOR IN SUPPLY AIR DUCT IN TO FIRE ALARM SYSTEM AND TEST. MERV 13 FILTER MIN. PROVIDE WITH DEMAND CONTROL VENTILATION CONTROLS AND ACCESSORIES. CONTRACTOR TO PROVIDE VIBRATION ISOLATORS. PROVIDE WITH FACTORY FURNISHED SUPPORT BASE TO BE MOUNTED ON NEW CURB. 11" TALL CURB. CONTRACTOR SHALL PROVIDE POWER EXHAUST. PLEASE SEE THE MECHANICAL SCHEDULE FOR POWER EXHAUST.
RT 2	CARRIER 50GQJ05A2A6	SEE THE FLOOR PLAN	ROOF	1600	655.5	0.85	37.07	49.39	4	12	39.50	39.50	17	8.7	460	3	60	13	15	1.7	-	16X16X2	-	-	-	-	-	866	
RT 3	CARRIER 50GQJ07A2A6	SEE THE FLOOR PLAN	ROOF	2300	349.8	0.85	55.94	73.88	6	12.6	77.60	77.60	-	-	460	3	60	17	20	3	-	20X20X2	460	3	-	-	-	1408	
RT 4	CARRIER 50GQJ06A2A6	SEE THE FLOOR PLAN	ROOF	1900	203.1	0.85	47.33	61.35	5	12	49.40	49.40	17	8.9	460	3	60	13	20	2.1	-	16X16X2	460	3	-	-	-	1048	
RT 5	CARRIER 50GQJ04A2A6	SEE THE FLOOR PLAN	ROOF	1200	198	0.85	28.14	36.59	3	12	29.60	29.60	17	8.8	460	3	60	8	15	1.2	-	16X25X2	-	-	-	-	-	728	
RT 6	CARRIER 50GQJ06A2A6	SEE THE FLOOR PLAN	ROOF	1890	332.95	0.85	47.33	61.35	5	12	49.40	49.40	17	8.9	460	3	60	13	20	2.1	-	16X16X2	460	3	-	-	-	1048	
RT 7	CARRIER 50GQJ12A2A6	SEE THE FLOOR PLAN	ROOF	4000	743.4	0.65	89.14	120.95	10	11.8	64.78	73.89	-	-	460	3	60	22	30	3	-	18X24X2	460	3	-	-	-	2089	
RT 8	CARRIER 50GQJ05A2A6	SEE THE FLOOR PLAN	ROOF	1500	159.3	0.85	37.07	49.39	4	12	39.50	39.50	17	8.7	460	3	60	13	15	1.7	-	16X16X2	-	-	-	-	-	866	
RT 9	CARRIER 50GQJ05A2A6	SEE THE FLOOR PLAN	ROOF	1600	457.7	0.85	37.07	49.39	4	12	39.50	39.50	17	8.7	460	3	60	13	15	1.7	-	16X16X2	-	-	-	-	-	866	
RT 10	CARRIER 50GQJ06A2A6	SEE THE FLOOR PLAN	ROOF	2000	386.8	0.85	47.33	61.35	5	12	49.40	49.40	17	8.9	460	3	60	13	20	2.1	-	16X16X2	460	3	-	-	-	1048	
RT 11	CARRIER 50GQJ06A2A6	SEE THE FLOOR PLAN	ROOF	2000	898.5	0.85	47.33	61.35	5	12	49.40	49.40	17	8.9	460	3	60	13	20	2.1	-	16X16X2	460	3	-	-	-	1048	
RT 12	CARRIER 50GQJ09A2A6	SEE THE FLOOR PLAN	ROOF	3400	1025.5	0.65	78.12	104.96	8.5	12.0	83.80	83.80	-	-	460	3	60	26	30	3	-	20X20X2	460	3	-	-	-	1588	
RT 13	CARRIER 50GQJ07A2A6	SEE THE FLOOR PLAN	ROOF	2400	188.85	0.85	55.94	73.88	6	12.6	77.60	77.60	-	-	460	3	60	17	20	3	-	20X20X2	460	3	-	-	-	1408	
RT 14	CARRIER 50GQJ08A2A6	SEE THE FLOOR PLAN	ROOF	3000	817.75	0.85	72.24	96.06	7.5	12.2	77.00	77.00	-	-	460	3	60	20	25	3	-	20X20X2	460	3	-	-	-	1417	
RT 15	CARRIER 50GQJ08A2A6	SEE THE FLOOR PLAN	ROOF	3000	817.75	0.85	72.24	96.06	7.5	12.2	77.00	77.00	-	-	460	3	60	20	25	3	-	20X20X2	460	3	-	-	-	1417	
RT 16	CARRIER 50GQJ12A2A6	SEE THE FLOOR PLAN	ROOF	4000	724.35	0.65	89.14	120.95	10	11.8	64.78	73.89	-	-	460	3	60	22	30	3	-	18X24X2	460	3	-	-	-	2089	
RT 17	CARRIER 50GQJ09A2A6	SEE THE FLOOR PLAN	ROOF	3400	446.85	0.65	78.12	104.96	8.5	12.0	83.80	83.80	-	-	460	3	60	26	30	3	-	20X20X2	460	3	-	-	-	1588	
RT 18	CARRIER 50GQJ07A2A6	SEE THE FLOOR PLAN	ROOF	2400	820.04	0.85	55.94	73.88	6	12.6	77.60	77.60	-	-	460	3	60	17	20	3	-	20X20X2	460	3	-	-	-	1408	
RT 19	CARRIER 50GQJ04A2A6	SEE THE FLOOR PLAN	ROOF	1200	397.09	0.65	28.14	36.59	3	12	29.60	29.60	17	8.8	460	3	60	8	15	1.2	-	16X25X2	-	-	-	-	-	2089	


SPLIT REFRIGERATION UNIT SCHEDULE

INDOOR UNIT												OUTDOOR UNIT																
UNIT NO.	MANUFACTURER AND MODEL NO.	LOCATION	AREA SERVED	CFM	ESP	OSA	OPER. WT. (LBS)	ELECTRICAL				UNIT NO.	MANUFACTURER AND MODEL NO.	COP	SEER	SEER 2	EER 2	HSPF	ELECTRICAL					WEIGHT (LBS)	CAPACITY (BTU/H)		SERVING	REMARKS
								V	PH	HZ	MCA								MOCP	V	PH	HZ	MCA		MOCP	COOLING		
FC 1	SAMSUNG AC036BNHDCH	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	1100	0.3	143.74	116	208/230	1	60	15	HP 1	SAMSUNG AC036BXADCH	-	19	10.7	10.0	208/230	1	60	24.5	35	234	36,000	40,000	FC 1	INSTALL PER MANUFACTURE RECOMMENDATION MERV 13 FILTER MIN	
FC 2	SAMSUNG AC036BNHDCH	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	1100	0.3	143.74	116	208/230	1	60	15	HP 2	SAMSUNG AC036BXADCH	-	19	10.7	10.0	208/230	1	60	24.5	35	234	36,000	40,000	FC 2	INSTALL PER MANUFACTURE RECOMMENDATION MERV 13 FILTER MIN	
FC 3	CARRIER FV4CNB006L00	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	1600	0.5	198.45	248	208/230	1	60	8.5	HP 3	CARRIER 25SCA548A003	3.82	15	14.3	12.0	7.5	208/230	1	60	32.8	50	312	46,310	42,350	FC 3	INSTALL PER MANUFACTURE RECOMMENDATION MERV 13 FILTER MIN
FC 4	CARRIER FV4CNB006L00	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	1600	0.5	275.55	248	208/230	1	60	8.5	HP 4	CARRIER 25SCA548A003	3.82	15	14.3	12.0	7.5	208/230	1	60	32.8	50	312	46,310	42,350	FC 4	INSTALL PER MANUFACTURE RECOMMENDATION MERV 13 FILTER MIN
FC 5	SAMSUNG AC012BNNDC	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	283	0.3		26	208/230	1	60	15	HP 5	SAMSUNG AC012BXADCH	-	20.5	12.5	11.20	208/230	1	60	10.9	15	88	10,800	-	FC 5	INSTALL PER MANUFACTURE RECOMMENDATION	
FC 6	SAMSUNG AR12CSDABWKNVCV	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	375	0.3		24	208/230	1	60	15	HP 6	SAMSUNG AR12CSDABWKKCV	-	23	13.5	10.5	208/230	1	60	12.5	15	85	12,000	-	FC 6	INSTALL PER MANUFACTURE RECOMMENDATION	
FC 7	SAMSUNG AR12CSDABWKNVCV	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	375	0.3		24	208/230	1	60	15	HP 7	SAMSUNG AR12CSDABWKKCV	-	23	13.5	10.5	208/230	1	60	12.5	15	85	12,000	-	FC 7	INSTALL PER MANUFACTURE RECOMMENDATION	
FC 8	SAMSUNG AC018BNNDC	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	370	0.3		26	208/230	1	60	15	HP 8	SAMSUNG AC018BXADCH	-	19.3	11.0	10.10	208/230	1	60	20.1	25	141	17,400	-	FC 8	INSTALL PER MANUFACTURE RECOMMENDATION	
FC 9	SAMSUNG AC018BNNDC	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	370	0.3		26	208/230	1	60	15	HP 9	SAMSUNG AC018BXADCH	-	19.3	11.0	10.10	208/230	1	60	20.1	25	141	17,400	-	FC 9	INSTALL PER MANUFACTURE RECOMMENDATION	
FC 10	SAMSUNG AC036BNHDCH	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	1100	0.3	361.76	116	208/230	1	60	15	HP 10	SAMSUNG AC036BXADCH	-	19	10.7	10.0	208/230	1	60	24.5	35	234	36,000	40,000	FC 10	INSTALL PER MANUFACTURE RECOMMENDATION MERV 13 FILTER MIN	
FC 11	SAMSUNG AC030BNHDCH	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	800	0.3	180	85	208/230	1	60	15	HP 11	SAMSUNG AC030BXADCH	-	17.7	10.3	11.0	208/230	1	60	24	30	189	30,000	32,000	FC 11	INSTALL PER MANUFACTURE RECOMMENDATION MERV 13 FILTER MIN	
FC 12	SAMSUNG AC030BNHDCH	SEE THE FLOOR PLAN	SEE THE FLOOR PLAN	800	0.3	180	85	208/230	1	60	15	HP 12	SAMSUNG AC030BXADCH	-	17.7	10.3	11.0	208/230	1	60	24	30	189	30,000	32,000	FC 12	INSTALL PER MANUFACTURE RECOMMENDATION MERV 13 FILTER MIN	



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Whittier, California 90602
(562) 945-8821

PROJECT TITLE: CITY OF WESTMINSTER
8200 WESTMINSTER BLVD.
WESTMINSTER, CA 92683

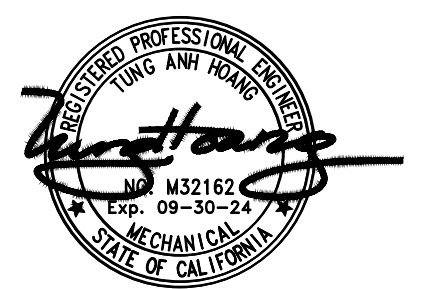
DATE: 01-22-26
DESCRIPTION: MECHANICAL SCHEDULES

PRINCIPAL IN CHARGE: CH/TH JOB CAPT
PROJECT NO.: 2024002.00
SHEET NO.: M-0.2

DRAWN BY: AM/AY
DATE: January 22, 2026
OF SHEETS: 1


EXHAUST FAN SCHEDULE

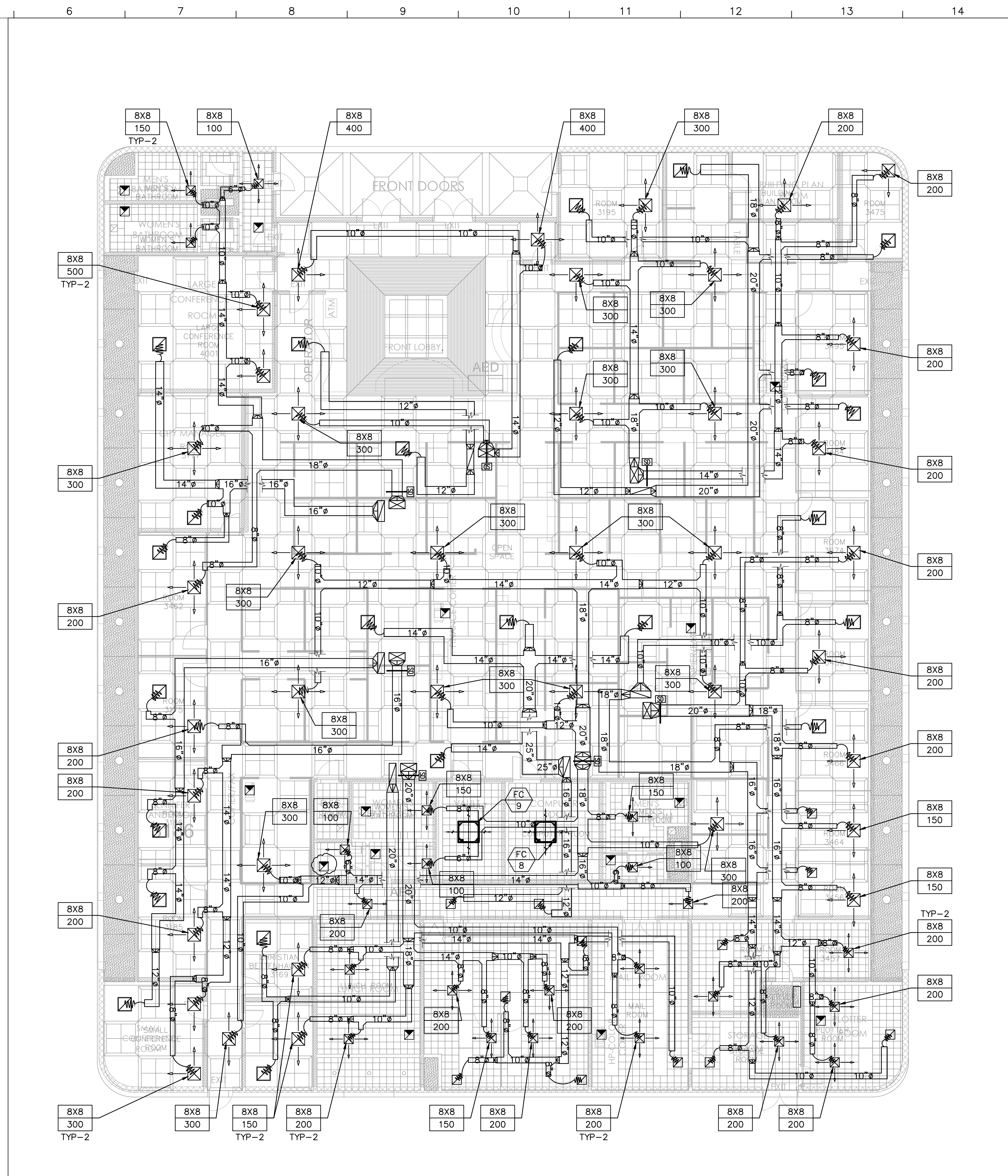
UNIT NO.	MANUFACTURER AND MODEL NO.	AREA SERVED	LOCATION	FAN TYPE	TOTAL CFM	TSP (IN)	FAN RPM	MAX BHP	MOTOR DATA				OPER. WEIGHT (LBS)	REMARKS	
									HP	V	PH	MCA			
EF 1	GREENHECK SP-A200	COPY MACHINE	CEILING	CEILING	120	0.5	838	0.02	-	115	1	0.6	15	35	ON 24/7 PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 2	GREENHECK SP-A710	PLOTTER ROOM	CEILING	CEILING	422	0.5	1032	0.13	-	115	1	6.1	15	40	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 3	GREENHECK SP-A710	LUNCH ROOM	CEILING	CEILING	477	0.5	1032	0.13	-	115	1	6.1	15	40	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 4	GREENHECK CSP-A390-VG	BATHROOM	CEILING	CEILING	200	0.8	1526	0.08	-	115	1	1.9	15	28	ON/OFF LIGHT SWITCH
EF 5															PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 6	GREENHECK SP-A200	-	CEILING	CEILING	130	0.5	838	0.02	-	115	1	0.6	15	35	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 7	GREENHECK SP-A390	-	CEILING	CEILING	240	0.6	1032	-	-	115	1	-	15	40	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 8	GREENHECK SP-A200	-	CEILING	CEILING	120	0.5	838	0.02	-	115	1	0.6	15	35	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 9	GREENHECK SP-A390	-	CEILING	CEILING	240	0.6	1032	-	-	115	1	-	15	40	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 10	GREENHECK SP-A200	-	CEILING	CEILING	120	0.5	838	0.02	-	115	1	0.6	15	35	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 11	GREENHECK CUBE-100	-	ROOF	ROOF	750	0.5	1265	0.15	-	460	3	1.4	15	74	EXHAUST FAN ON THERMOSTAT PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 12	GREENHECK CUBE-100	-	ROOF	ROOF	750	0.5	1265	0.15	-	460	3	1.4	15	74	EXHAUST FAN ON THERMOSTAT PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 13	GREENHECK SP-A780	-	CEILING	CEILING	380	0.5	1197	0.08	-	115	1	4.1	15	50	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 14	GREENHECK CUBE-100HP	-	ROOF	ROOF	400	0.9	1679	0.9	-	460	3	1.4	15	73	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.
EF 15	GREENHECK CUBE-100HP	-	ROOF	ROOF	400	0.9	1679	0.9	-	460	3	1.4	15	73	ON/OFF LIGHT SWITCH PROVIDE BACK DRAFT DAMPER, INSTALL PER MANUFACTURER RECOMMENDATIONS.



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CONSULTANT		PROJECT TITLE	
		CITY OF WESTMINSTER	
		8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
DATE		SHEET TITLE	
1 01-22-26		MECHANICAL SCHEDULES	
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH		2024002.00	M-0.3
JOB CAPT			
DRAWN BY		DATE	OF SHEETS
AM/AY		January 22, 2026	



01 CITY HALL MECHANICAL PLAN
SCALE: 1/8" = 1'-0"


SPECIFIC NOTES

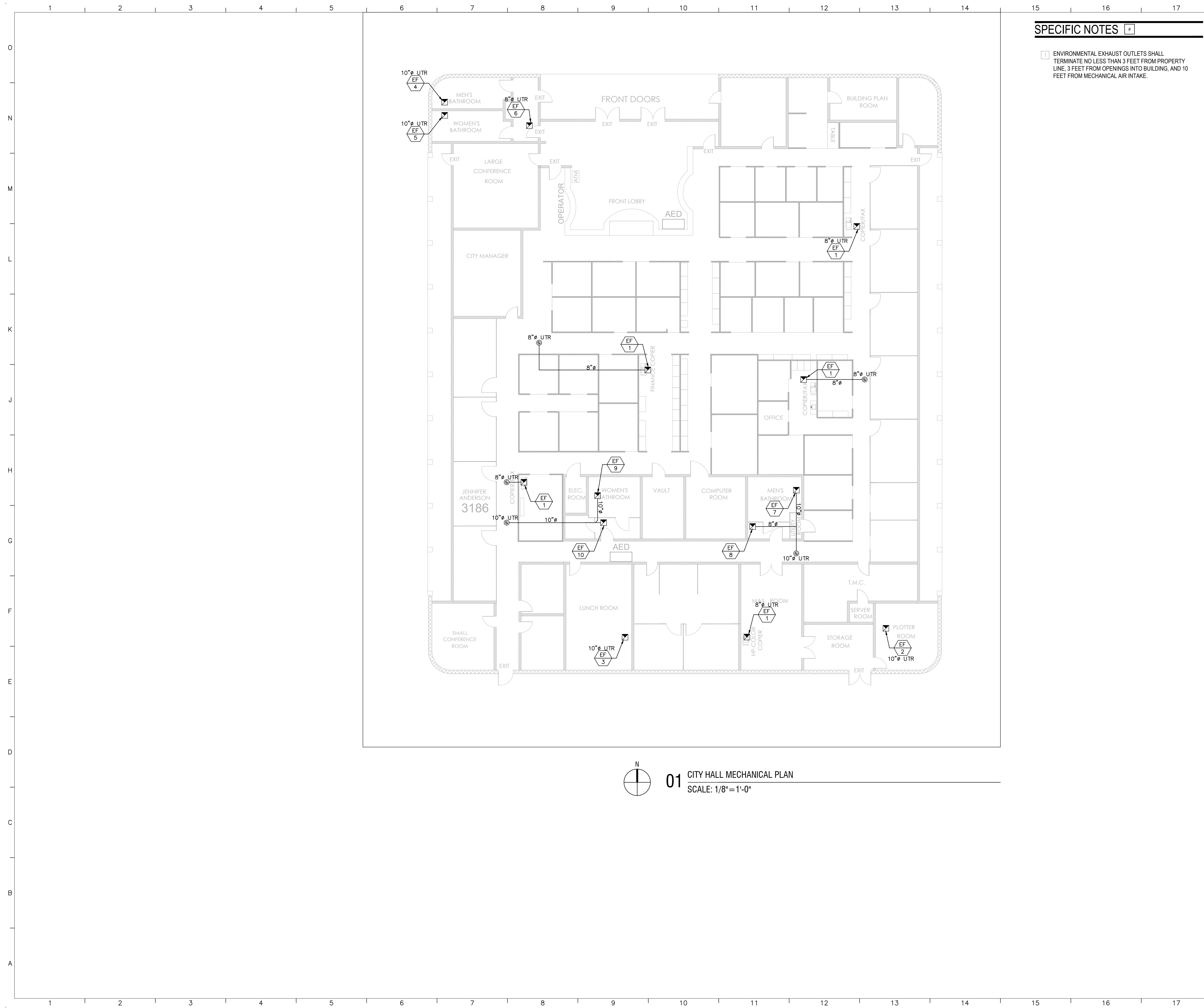
- 1 COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
- 2 ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
- 3 PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.
- 4 LOCATE AND SET THERMOSTATS AND HUMIDISTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL DEVICES WITH TOP OF DEVICE AT MAXIMUM 48" AFF TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS.
- 5 PROVIDE CALIFORNIA STATE FIRE MARSHAL BUILDING MATERIAL LISTING FOR THE PROPOSED DUCT MOUNTED SMOKE DETECTOR.
- 6 INSTALL PRIMARY 3/4" CONDENSATE DRAIN DOWN TO LAVATORY TAILPIECE.
- 7 INSTALL SECONDARY 3/4" CONDENSATE DRAIN. TERMINATE AT VISIBLE LOCATION. PROVIDE ESCUTCHEON PLATE. AS ALTERNATIVE PROVIDE ELECTRONIC OVERFLOW PROTECTION, DRAIN PAN LEVEL FLOAT SENSOR/CONTROL.
- 8 IT IS HVAC CONTRACTOR'S RESPONSIBILITY TO VERIFY ON THE FIELD ROUTING OF REFRIGERANT PIPING.
- 9 PROVIDE MINIMUM MAINTENANCE CLEARANCE REQUIRED PER MANUFACTURE RECOMMENDATION.
- 10 CONTRACTOR SHALL CONTACT THE ENGINEER FOR ANY FIRE WALL OR DUCT WORK ROUTING CHANGES.



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CONSULTANT		PROJECT TITLE CITY OF WESTMINSTER 8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
DATE	DESCRIPTION	SHEET TITLE	
01-22-26	-	CITY HALL MECHANICAL PLAN	
PRINCIPAL IN CHARGE CH/TH JOB CAPT		PROJECT NO. 2024002.00	SHEET NO. M-1.0
DRAWN BY AM/AY		DATE January 22, 2026	OF SHEETS



SPECIFIC NOTES

1 ENVIRONMENTAL EXHAUST OUTLETS SHALL TERMINATE NO LESS THAN 3 FEET FROM PROPERTY LINE, 3 FEET FROM OPENINGS INTO BUILDING, AND 10 FEET FROM MECHANICAL AIR INTAKE.

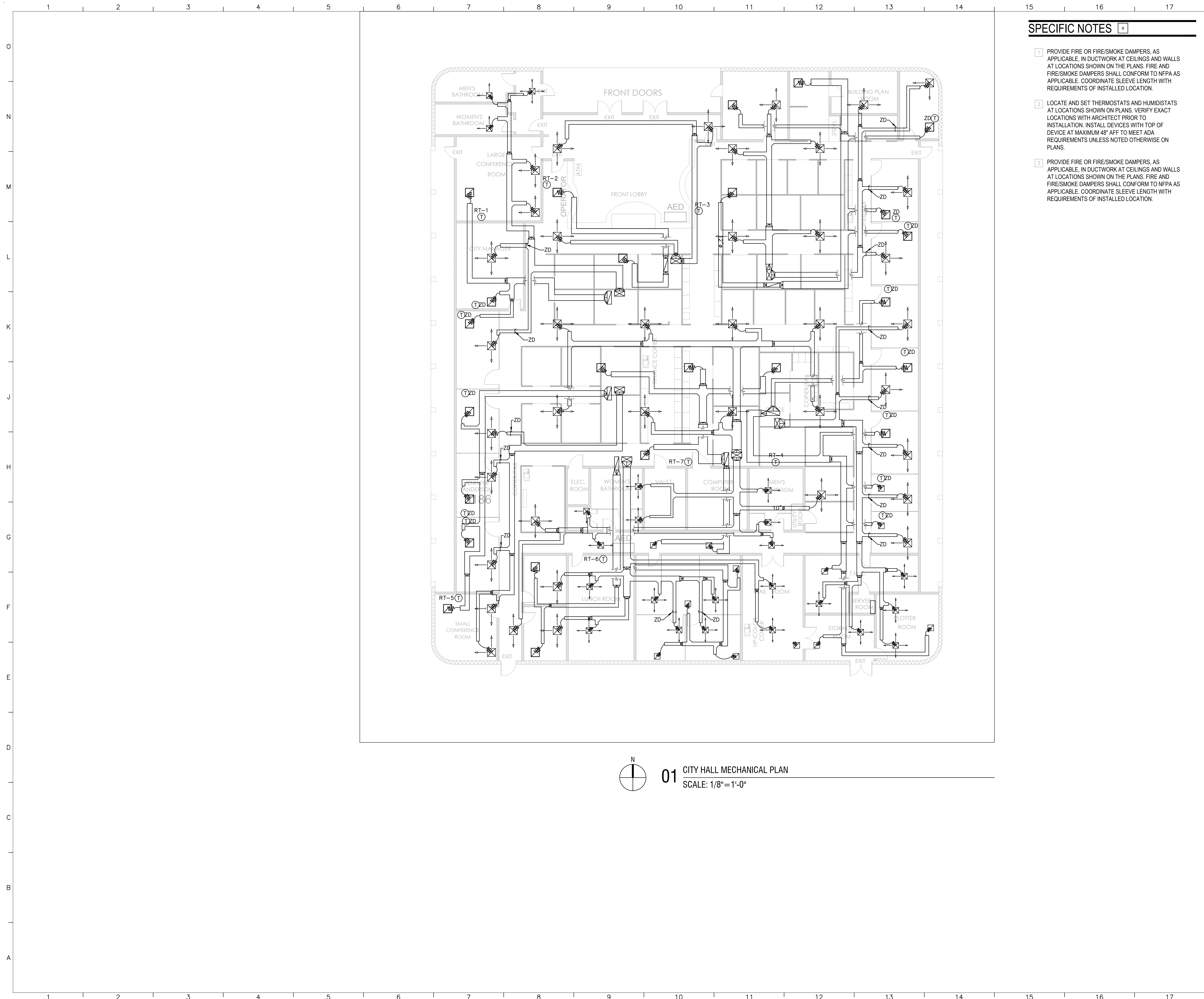
01 CITY HALL MECHANICAL PLAN
SCALE: 1/8"=1'-0"



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PICKARD ARCHITECTS		PROJECT TITLE	
CONSULTANT		CITY OF WESTMINSTER	
		8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
DATE	DESCRIPTION	SHEET TITLE	
01-22-26	-	CITY HALL MECHANICAL EXHAUST PLAN	
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH JOB CAPT		2024002.00	M-1.2
DRAWN BY AM/AY		DATE January 22, 2026	OF SHEETS



SPECIFIC NOTES


- 1 PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.
- 2 LOCATE AND SET THERMOSTATS AND HUMIDISTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL DEVICES WITH TOP OF DEVICE AT MAXIMUM 48" AFF TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS.
- 3 PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.

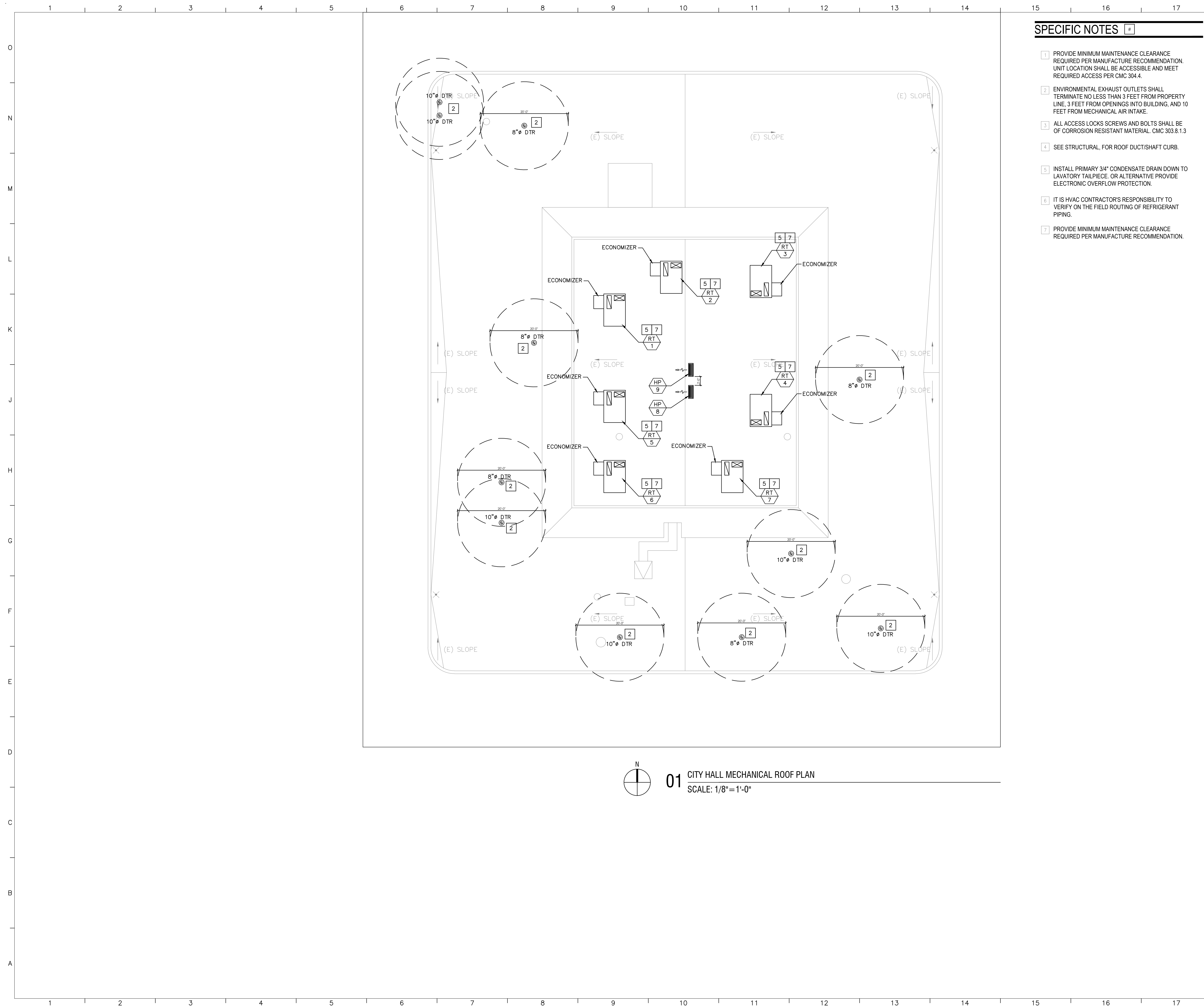
01 CITY HALL MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



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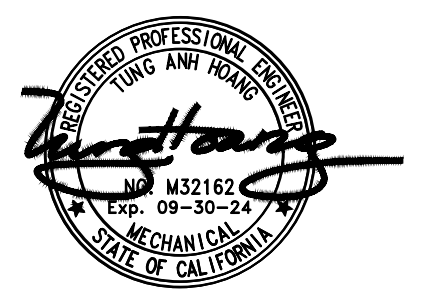
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CONSULTANT		PROJECT TITLE	
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		8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
DATE	DESCRIPTION	SHEET TITLE	
1 01-22-26	-	CITY HALL MECHANICAL ZONE DAMPER	
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH		2024002.00	M-1.3
JOB CAPT			
DRAWN BY		DATE	OF SHEETS
AM/AY		January 22, 2026	




SPECIFIC NOTES

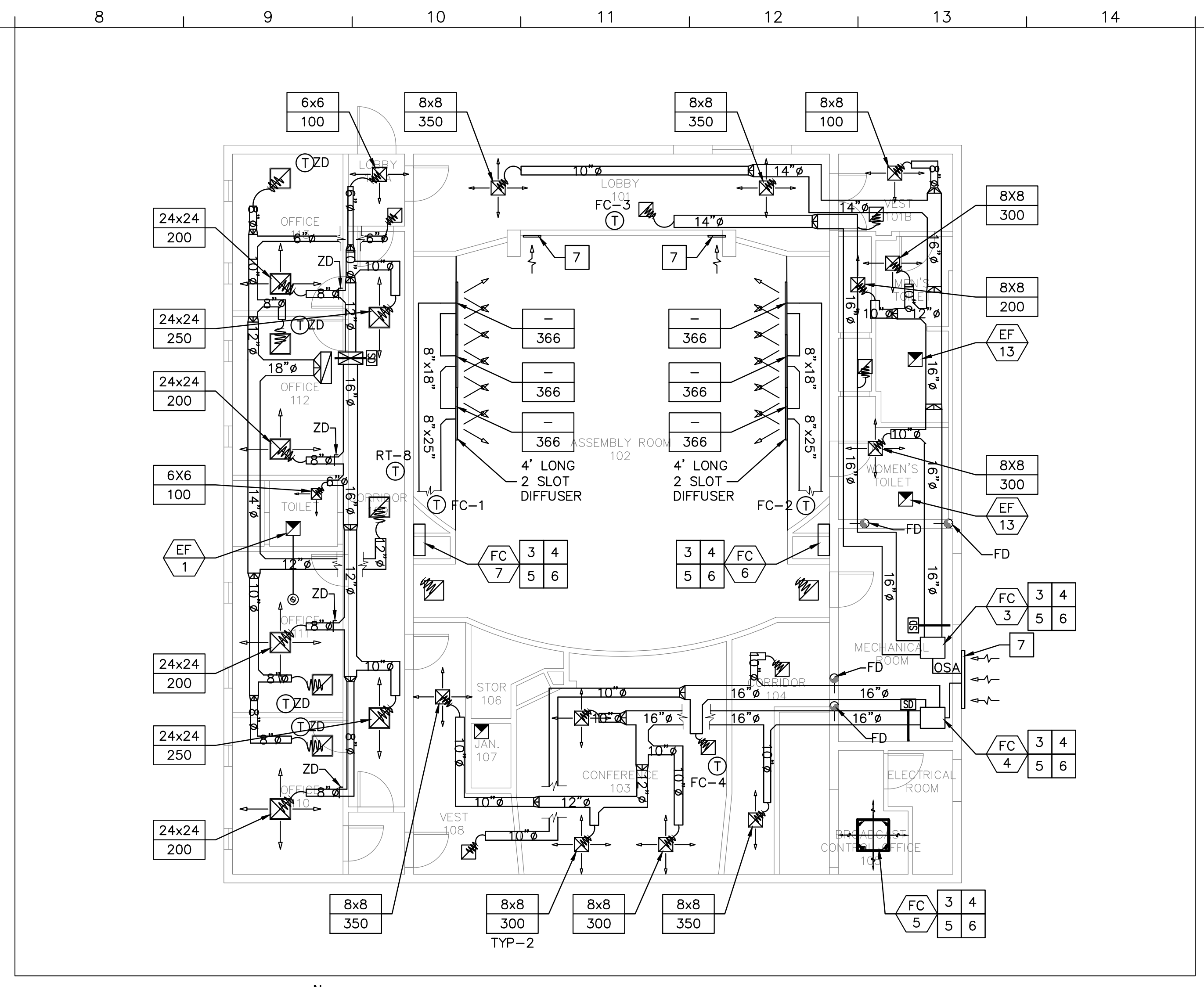
- 1 PROVIDE MINIMUM MAINTENANCE CLEARANCE REQUIRED PER MANUFACTURE RECOMMENDATION. UNIT LOCATION SHALL BE ACCESSIBLE AND MEET REQUIRED ACCESS PER CMC 304.4.
- 2 ENVIRONMENTAL EXHAUST OUTLETS SHALL TERMINATE NO LESS THAN 3 FEET FROM PROPERTY LINE, 3 FEET FROM OPENINGS INTO BUILDING, AND 10 FEET FROM MECHANICAL AIR INTAKE.
- 3 ALL ACCESS LOCKS SCREWS AND BOLTS SHALL BE OF CORROSION RESISTANT MATERIAL. CMC 303.8.1.3
- 4 SEE STRUCTURAL FOR ROOF DUCT/SHAFT CURB.
- 5 INSTALL PRIMARY 3/4" CONDENSATE DRAIN DOWN TO LAVATORY TAILPIECE. OR ALTERNATIVE PROVIDE ELECTRONIC OVERFLOW PROTECTION.
- 6 IT IS HVAC CONTRACTOR'S RESPONSIBILITY TO VERIFY ON THE FIELD ROUTING OF REFRIGERANT PIPING.
- 7 PROVIDE MINIMUM MAINTENANCE CLEARANCE REQUIRED PER MANUFACTURE RECOMMENDATION.



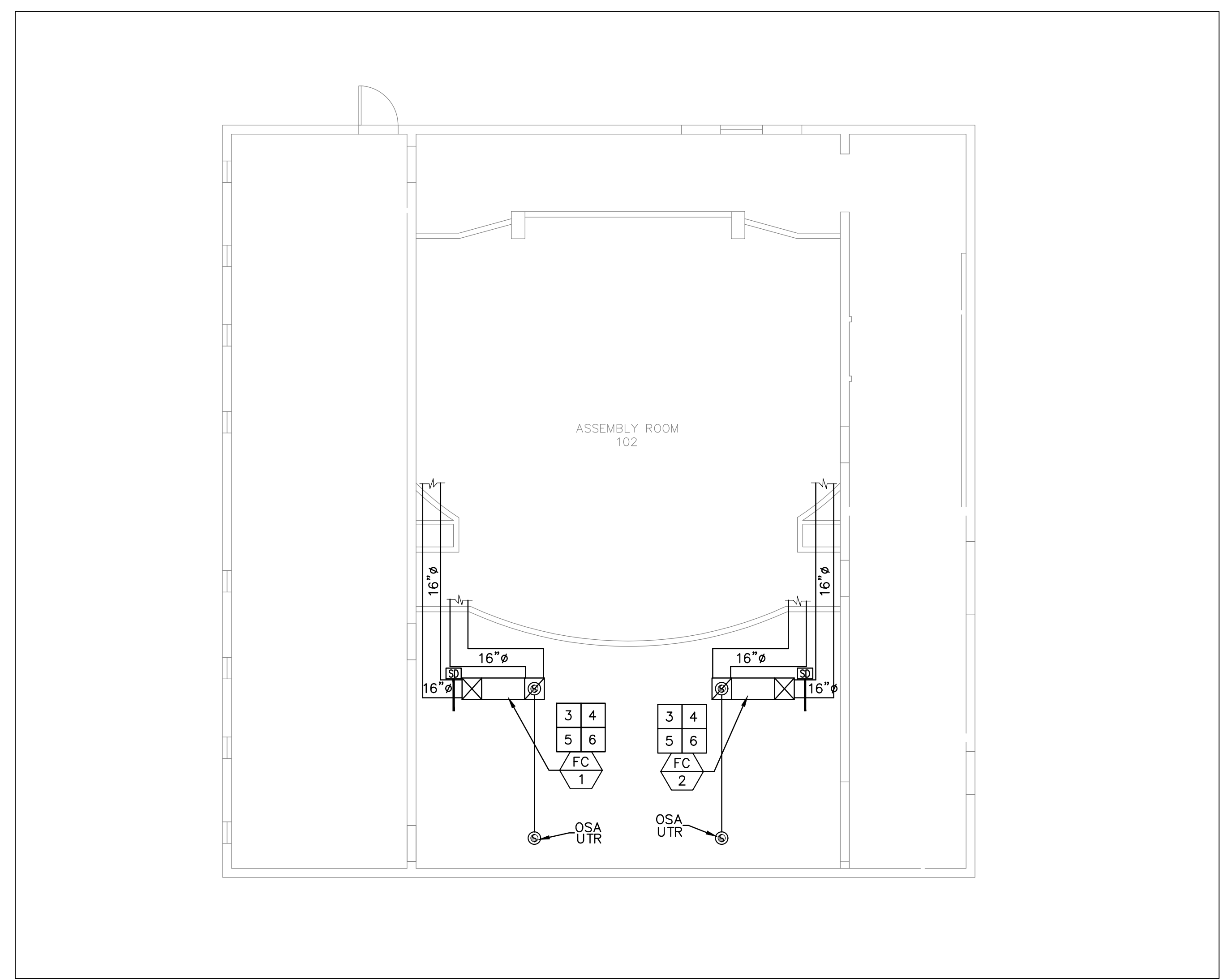
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CONSULTANT		PROJECT TITLE	
		CITY OF WESTMINSTER	
		8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
DATE	DESCRIPTION	SHEET TITLE	
1 01-22-26	-	CITY HALL MECHANICAL ROOF PLAN	
PRINCIPAL IN CHARGE	PROJECT NO.	SHEET NO.	
CH/TH	2024002.00	M-1.3	
JOB CAPT			
DRAWN BY	DATE	OF	SHEETS
AM/AY	January 22, 2026		



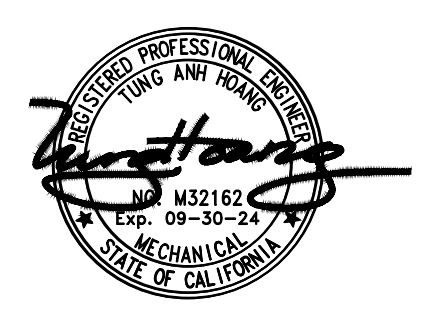
01 COUNCIL CHAMBER MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



01 COUNCIL CHAMBER MEZZANINE MECHANICAL PLAN
SCALE: 1/8" = 1'-0"


SPECIFIC NOTES

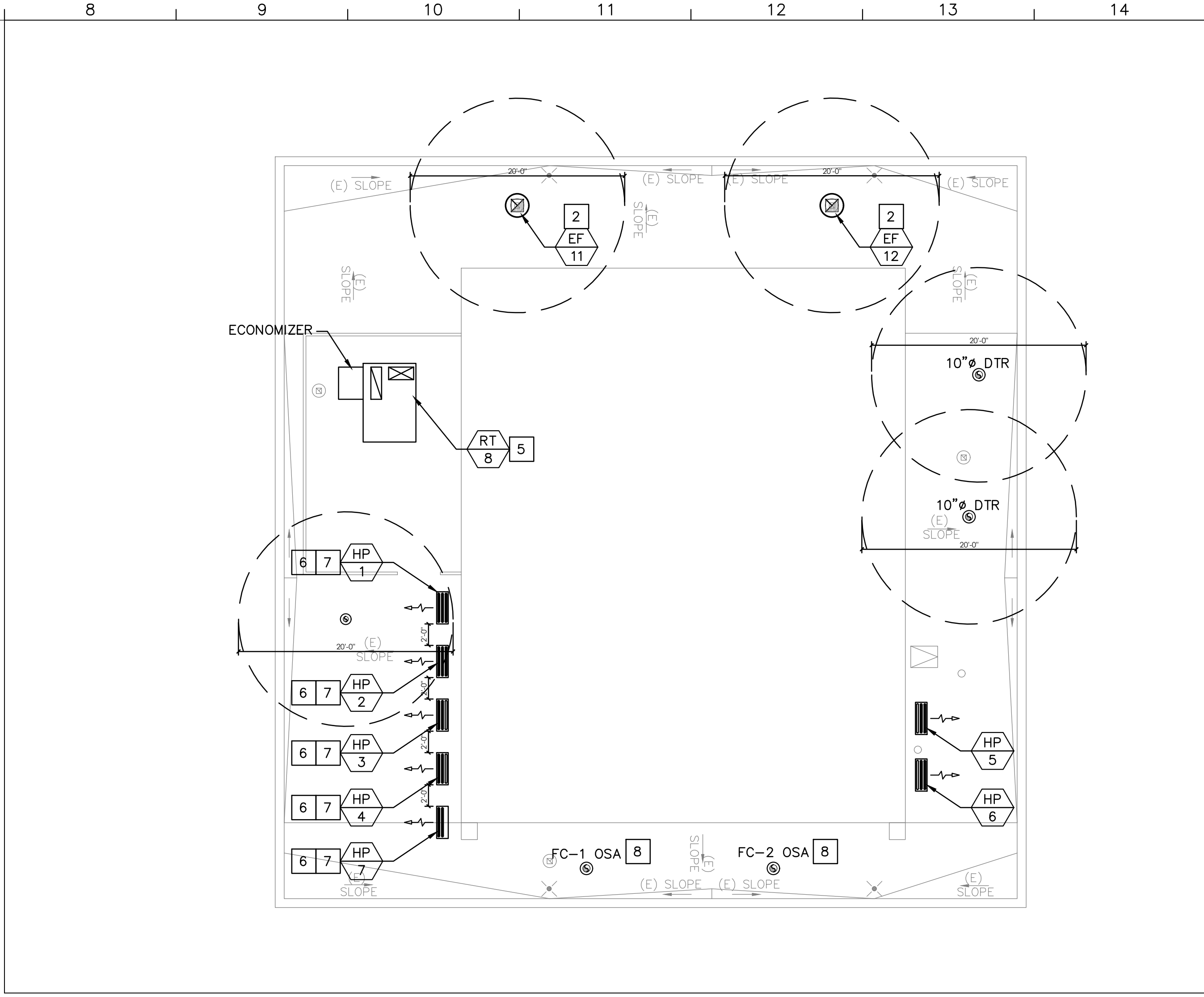
- 1 COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
- 2 ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
- 3 INSTALL SECONDARY 3/4" CONDENSATE DRAIN. TERMINATE AT VISIBLE LOCATION, PROVIDE ESCUTCHEON PLATE. AS ALTERNATIVE PROVIDE ELECTRONIC OVERFLOW PROTECTION, DRAIN PAN LEVEL FLOAT SENSOR/CONTROL.
- 4 INSTALL PRIMARY 3/4" CONDENSATE DRAIN DOWN TO LAVATORY TAILPIECE.
- 5 IT IS HVAC CONTRACTOR'S RESPONSIBILITY TO VERIFY ON THE FIELD ROUTING OF REFRIGERANT PIPING.
- 6 PROVIDE MINIMUM MAINTENANCE CLEARANCE REQUIRED PER MANUFACTURE RECOMMENDATION.
- 7 EXISTING LOUVER.
- 8 CONTRACTOR SHALL CONTACT THE ENGINEER FOR ANY FIRE WALL OR DUCT WORK ROUTING CHANGES.
- 10 PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.



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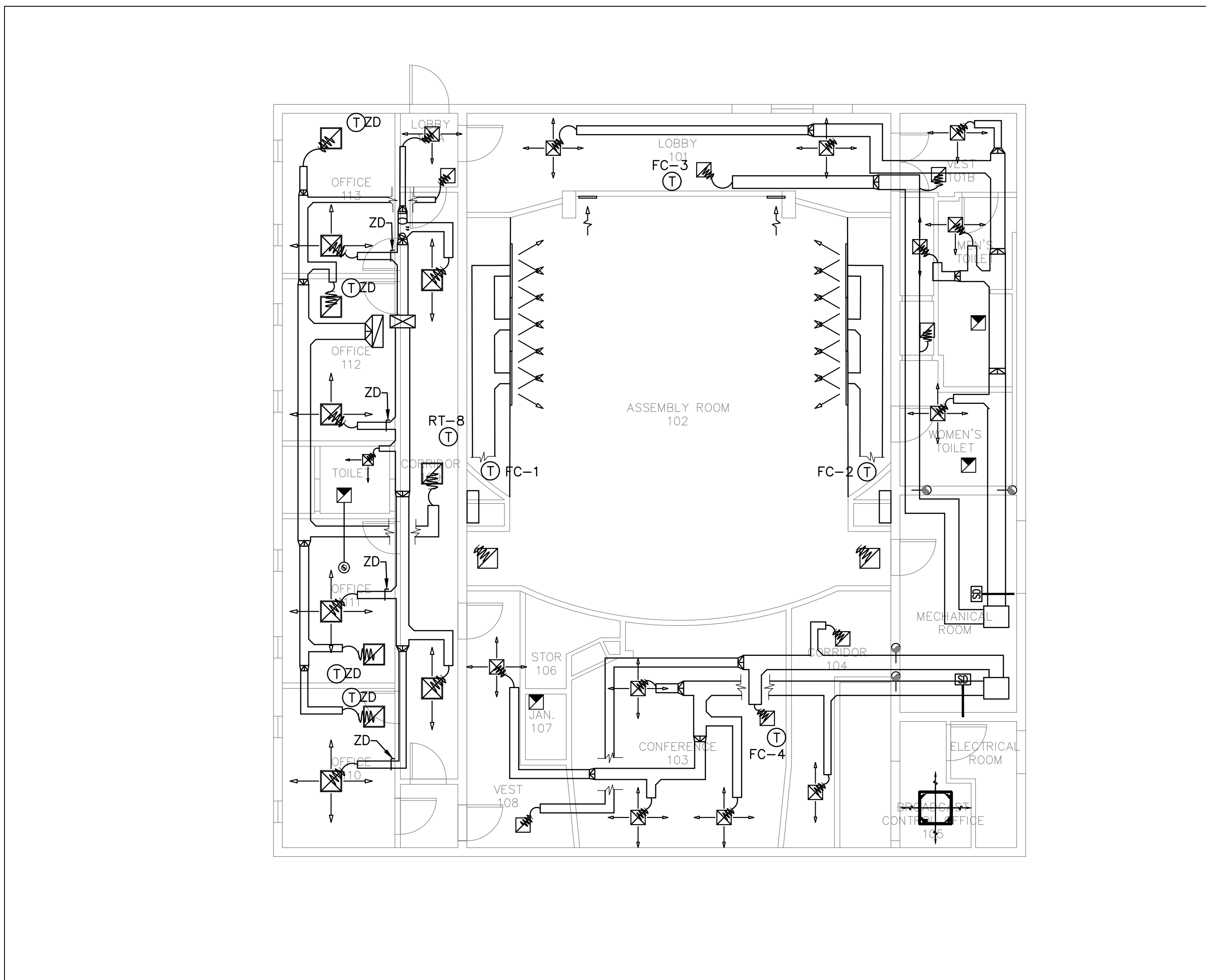
SIGNATURE		 13215 Penn St, Suite 300 Whittier, California 92602 (562) 945-8821
CONSULTANT		
PROJECT TITLE		CITY OF WESTMINSTER
PROJECT NO.		8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683
SHEET TITLE		COUNCIL CHAMBER MECH. PLAN
PRINCIPAL IN CHARGE	PROJECT NO.	SHEET NO.
CH/TH	2024002.00	M-2.0
JOB CAPT		
DRAWN BY	DATE	OF SHEETS
AM/AY	January 22, 2026	



01 COUNCIL CHAMBER MECHANICAL ROOF PLAN
SCALE: 1/8" = 1'-0"

SPECIFIC NOTES

- 1 PROVIDE MINIMUM MAINTENANCE CLEARANCE REQUIRED PER MANUFACTURE RECOMMENDATION. UNIT LOCATION SHALL BE ACCESSIBLE AND MEET REQUIRED ACCESS PER CMC 304.4.
- 2 ENVIRONMENTAL EXHAUST OUTLETS SHALL TERMINATE NO LESS THAN 3 FEET FROM PROPERTY LINE, 3 FEET FROM OPENINGS INTO BUILDING, AND 10 FEET FROM MECHANICAL AIR INTAKE.
- 3 ALL ACCESS LOCKS SCREWS AND BOLTS SHALL BE OF CORROSION RESISTANT MATERIAL. CMC 303.8.1.3
- 4 SEE STRUCTURAL FOR ROOF DUCT/SHAFT CURB.
- 5 INSTALL PRIMARY 3/4" CONDENSATE DRAIN DOWN TO LAVATORY TAILPIECE. OR ALTERNATIVE PROVIDE ELECTRONIC OVERFLOW PROTECTION.
- 6 IT IS HVAC CONTRACTOR'S RESPONSIBILITY TO VERIFY ON THE FIELD ROUTING OF REFRIGERANT PIPING.
- 7 PROVIDE MINIMUM MAINTENANCE CLEARANCE REQUIRED PER MANUFACTURE RECOMMENDATION.
- 8 PROVIDE MINIMUM MAINTENANCE CLEARANCE FOR OSA. NO ENVIRONMENTAL EXHAUST OUTLETS 10 FEET FOR MECHANICAL AIR INTAKE.
- 9 PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.



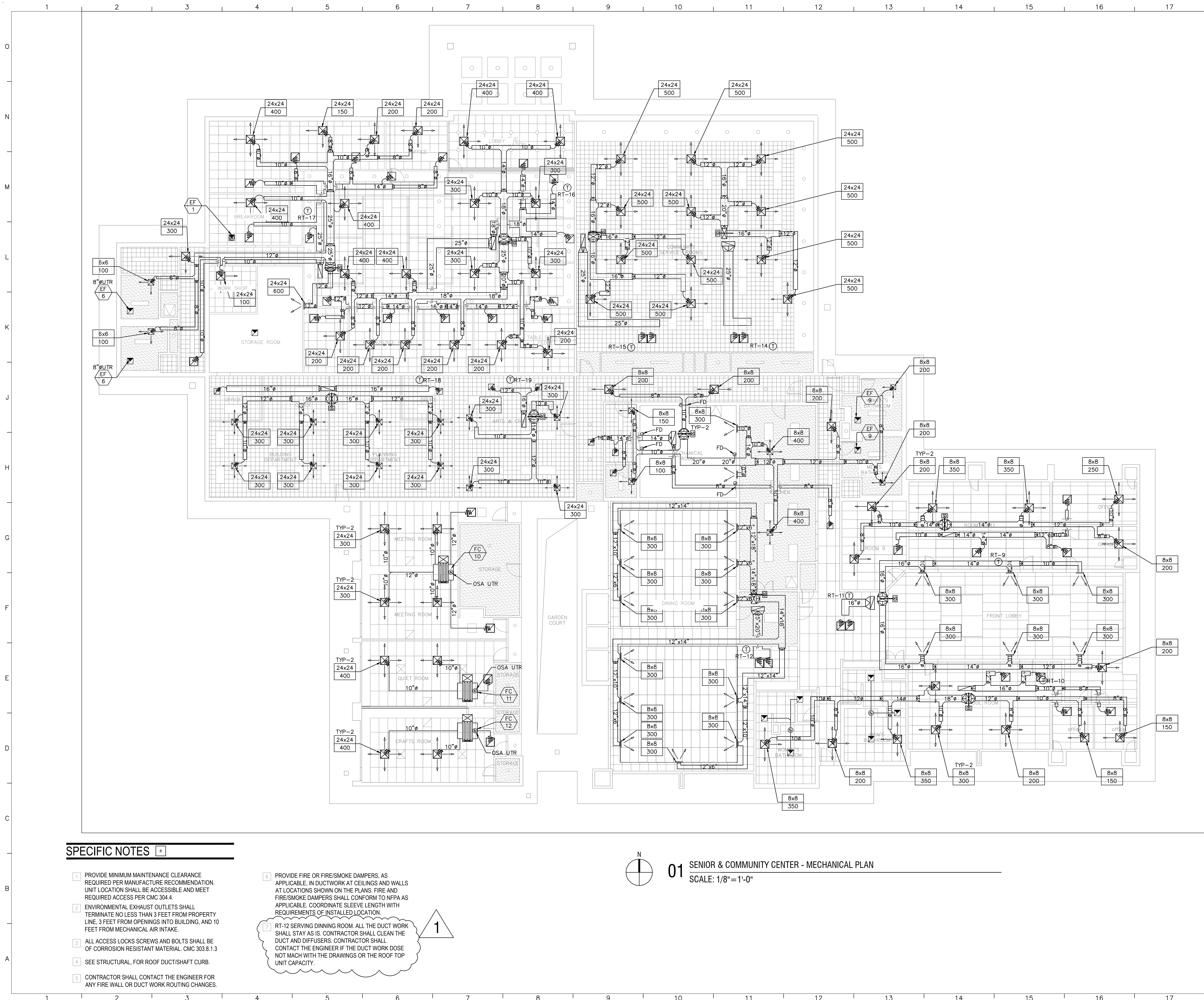
01 COUNCIL CHAMBER MECHANICAL ROOF PLAN
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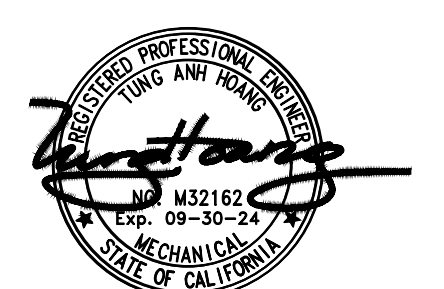
SIGNATURE		13215 Penn St, Suite 300 Whittier, California 92602 (562) 945-8821	
CONSULTANT		PROJECT TITLE CITY OF WESTMINSTER 8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
DATE		SHEET TITLE	
1	01-22-26	COUNCIL CHAMBER MECH. ZONE & ROOF	
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH JOB CAPT		2024002.00	M-2.1
DRAWN BY		DATE	OF SHEETS
AM/AY		January 22, 2026	



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- 4 SEE STRUCTURAL, FOR ROOF DUCT/SHAFT CURB.
- 5 CONTRACTOR SHALL CONTACT THE ENGINEER FOR ANY FIRE WALL OR DUCT WORK ROUTING CHANGES.
- 6 PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.
- 7 RT-12 SERVING DINNING ROOM. ALL THE DUCT WORK SHALL STAY AS IS. CONTRACTOR SHALL CLEAN THE DUCT AND DIFFUSERS. CONTRACTOR SHALL CONTACT THE ENGINEER IF THE DUCT WORK DOSE NOT MACH WITH THE DRAWINGS OR THE ROOF TOP UNIT CAPACITY.

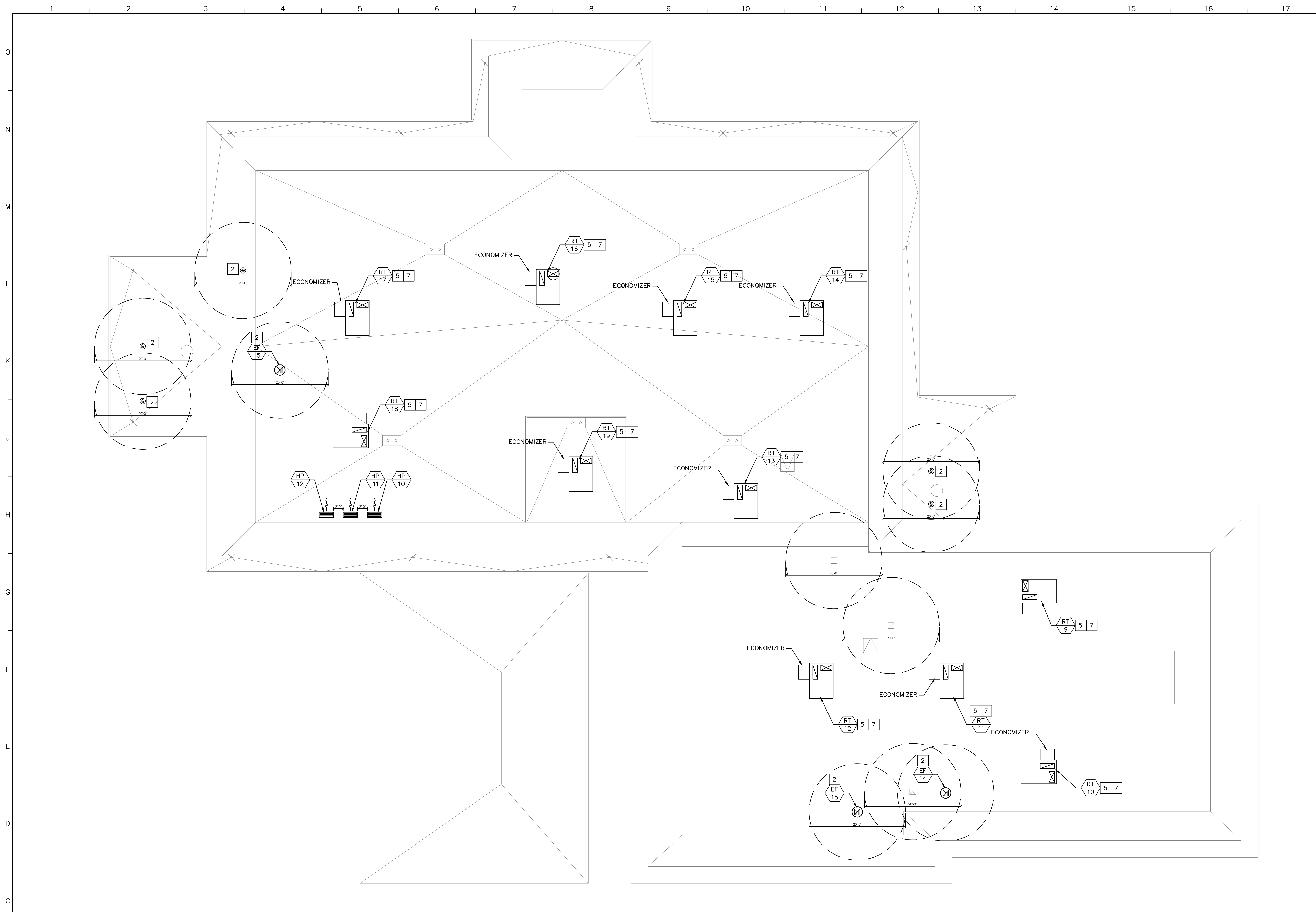
01 SENIOR & COMMUNITY CENTER - MECHANICAL PLAN
 SCALE: 1/8" = 1'-0"



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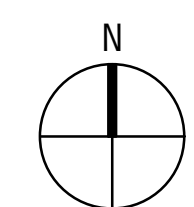
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SIGNATURE		
CONSULTANT	PROJECT TITLE CITY OF WESTMINSTER 8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
DATE	DESCRIPTION	
01-22-26		
SHEET TITLE SENIOR & COMM. CENTER MECH. PLAN		
PRINCIPAL IN CHARGE CH/TH JOB CAPT	PROJECT NO. 2024002.00	SHEET NO. M-3.0
DRAWN BY AM/AY	DATE January 22, 2026	OF SHEETS

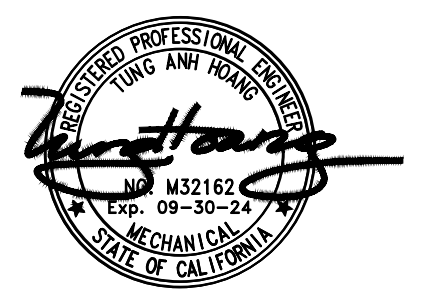


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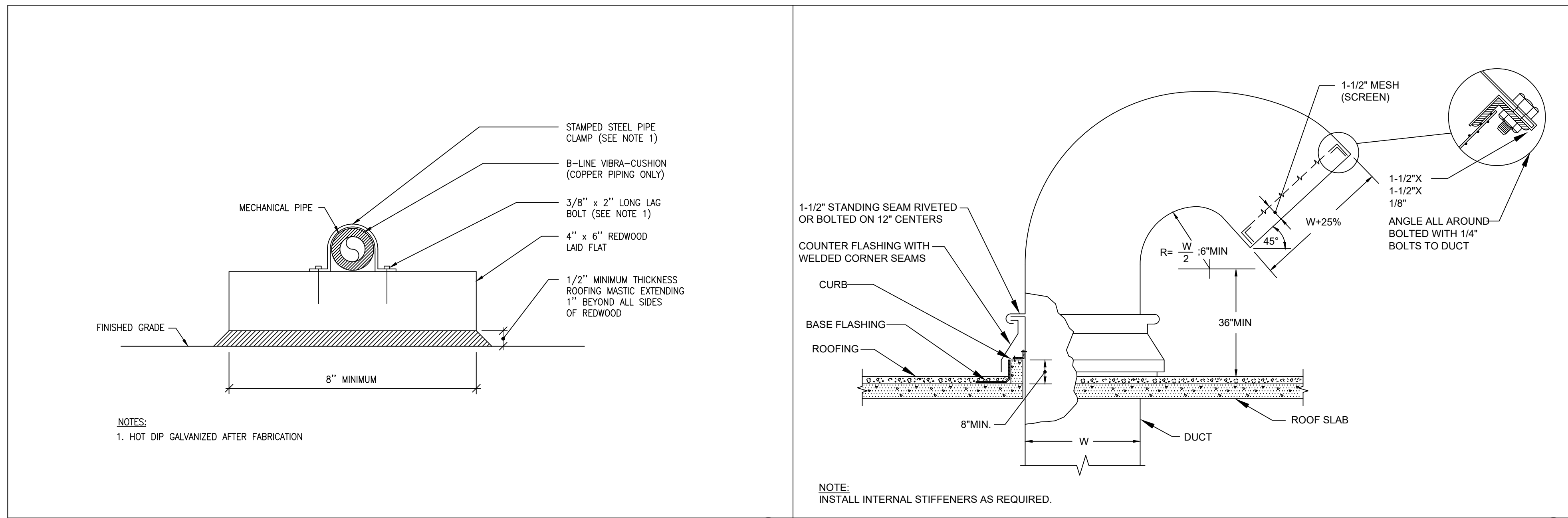
01 SENIOR & COMMUNITY CENTER - MECHANICAL ROOF PLAN
SCALE: 1/8" = 1'-0"



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CONSULTANT		PROJECT TITLE	
		CITY OF WESTMINSTER	
		8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
DATE	DESCRIPTION	SHEET TITLE	
1 01-22-26	--	SENIOR & COMM. CENTER MECH. ROOF PLAN	
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH JOB CAPT		2024002.00	M-3.1
DRAWN BY AM/AY		DATE January 22, 2026	OF SHEETS

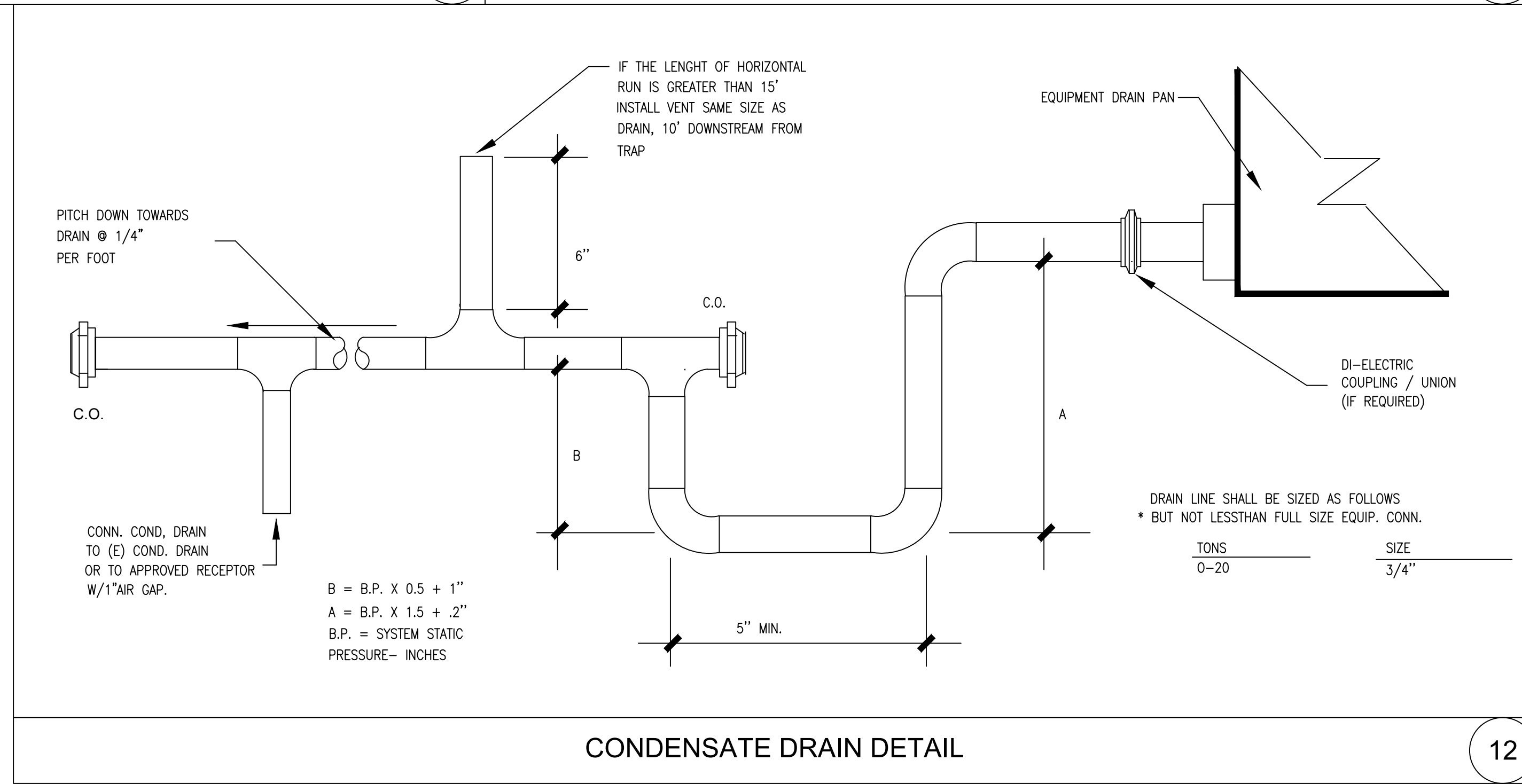


PIPE SUPPORT MOUNTING DETAIL

11

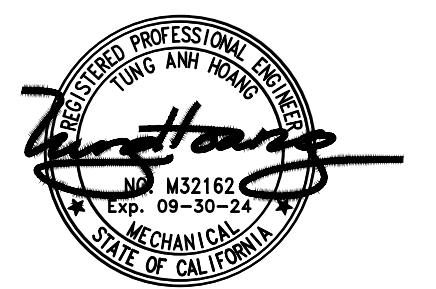
GOOSE NECK INSTALLATION

10



CONDENSATE DRAIN DETAIL

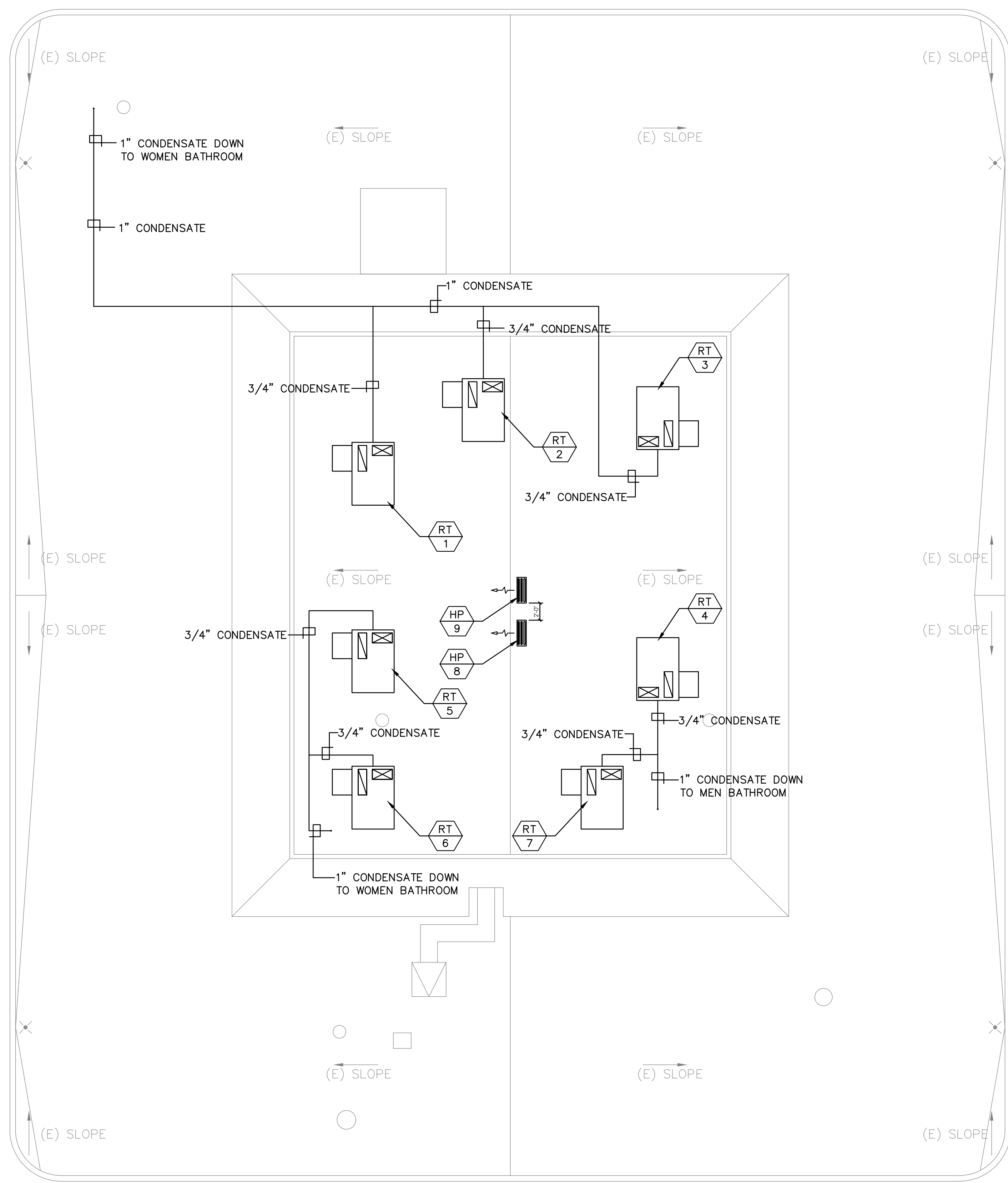
12



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		8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
△	DATE	DESCRIPTION	SHEET TITLE
1	01-22-26	-	MECHANICAL DETAILS
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH		2024002.00	M-3.0
JOB CAPT			
DRAWN BY		DATE	OF SHEETS
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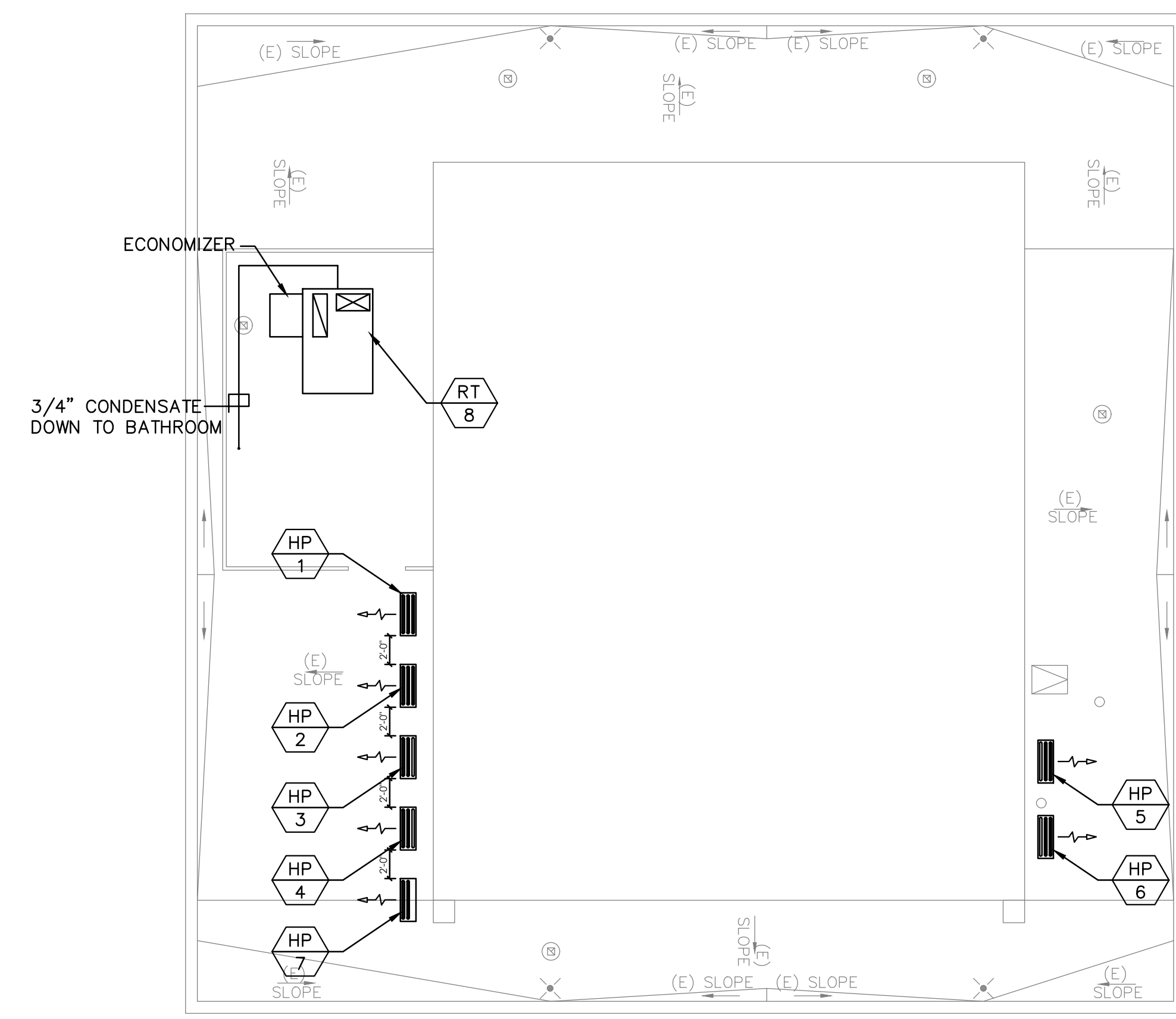
1 01 CITY HALL MECHANICAL ROOF PLAN
SCALE: 1/8"=1'-0"



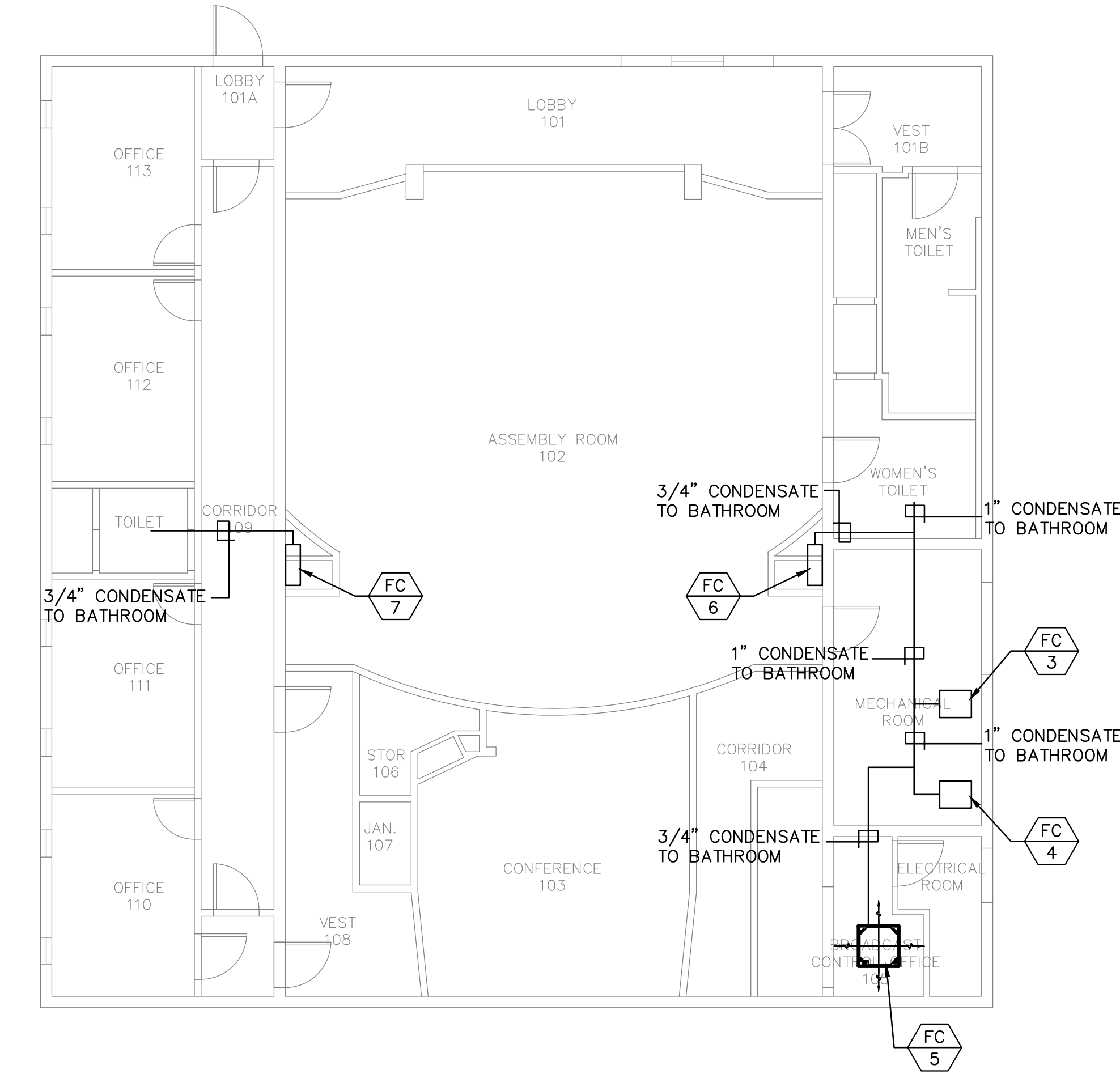
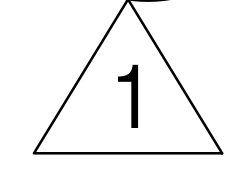
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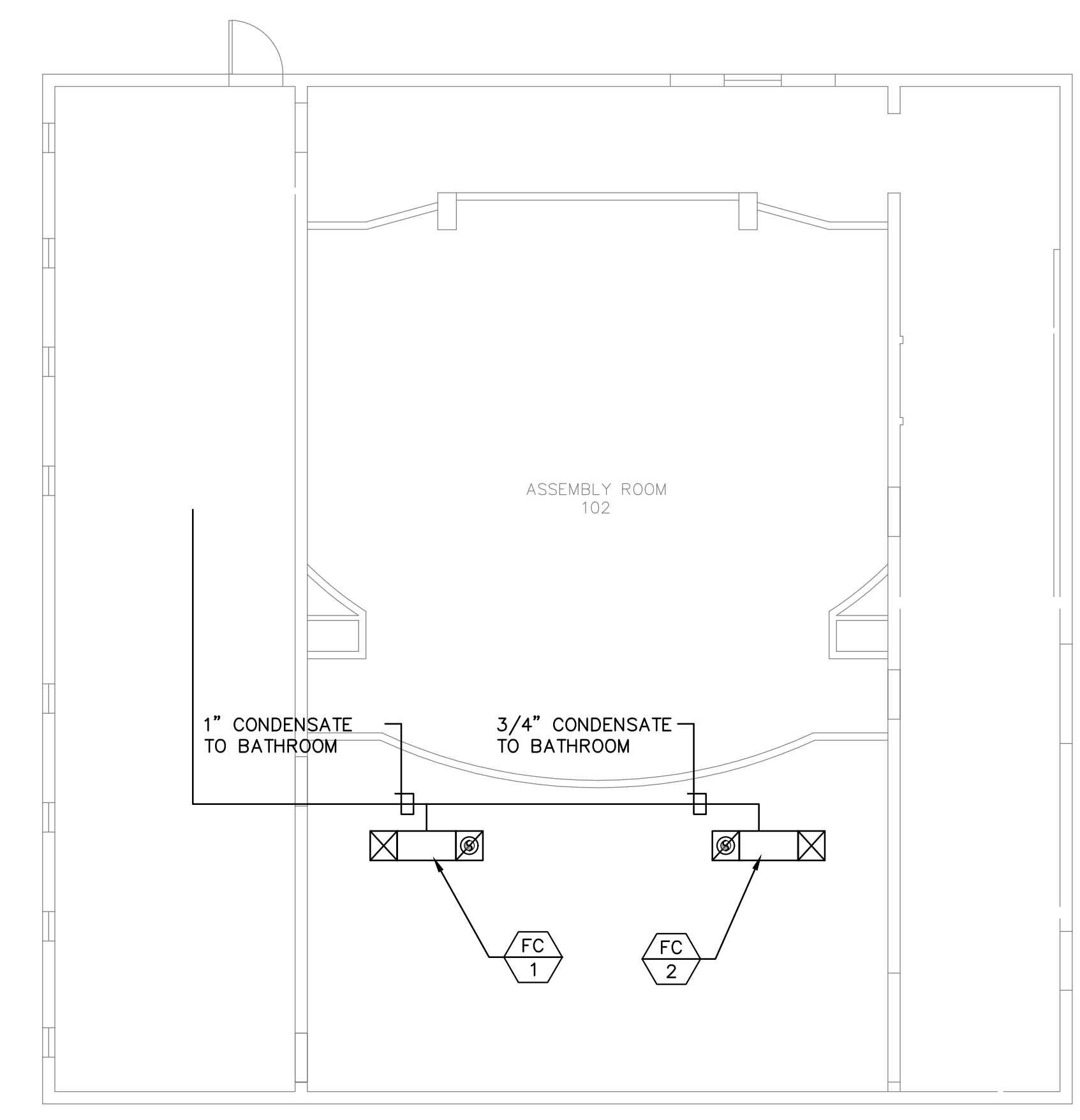
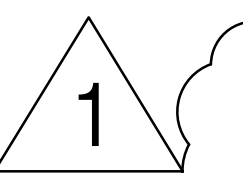
SIGNATURE		13215 Penn St. Suite 300 Whittier, California 90602 (562) 945-8821	
		ARCHITECTS	
CONSULTANT		PROJECT TITLE CITY OF WESTMINSTER 8200 WESTMINSTER BLVD. WESTMINSTER, CA 92683	
△ DATE		SHEET TITLE	
1	01-22-26	MECHANICAL CONDENSATE DRAIN	
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH		2024002.00	M-6.0
JOB CAPT		-	
DRAWN BY		DATE	OF SHEETS
AM/AY		January 22, 2026	



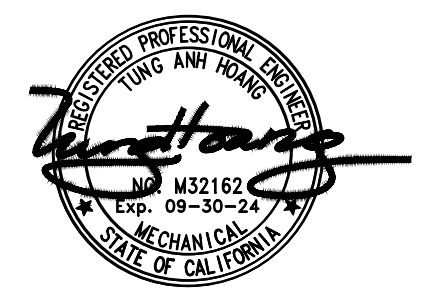
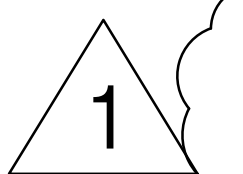
01 COUNCIL CHAMBER MECHANICAL ROOF PLAN
SCALE: 1/8"=1'-0"



01 COUNCIL CHAMBER MECHANICAL PLAN
SCALE: 1/8"=1'-0"



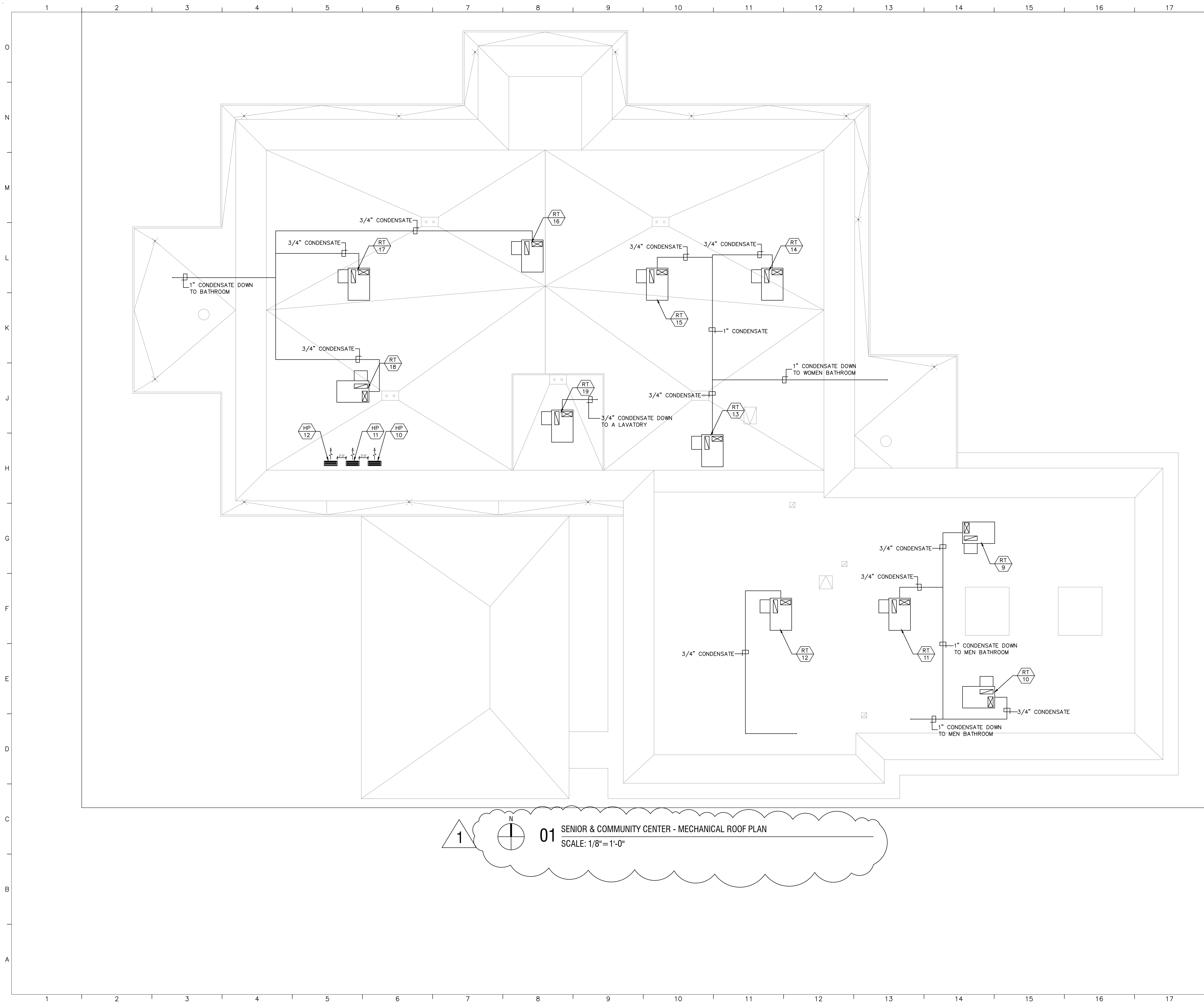
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SCALE: 1/8"=1'-0"

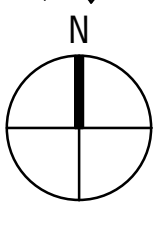


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1	01-22-26	-	MECHANICAL CONDENSATE DRAIN
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH		2024002.00	M-6.1
JOB CAPT			
DRAWN BY		DATE	OF SHEETS
AM/AY		January 22, 2026	




1  01 SENIOR & COMMUNITY CENTER - MECHANICAL ROOF PLAN
SCALE: 1/8"=1'-0"



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△	DATE	DESCRIPTION	SHEET TITLE
1	01-22-26	-	MECHANICAL CONDENSATE DRAIN
PRINCIPAL IN CHARGE		PROJECT NO.	SHEET NO.
CH/TH		2024002.00	M-6.2
JOB CAPT			
DRAWN BY		DATE	OF SHEETS
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