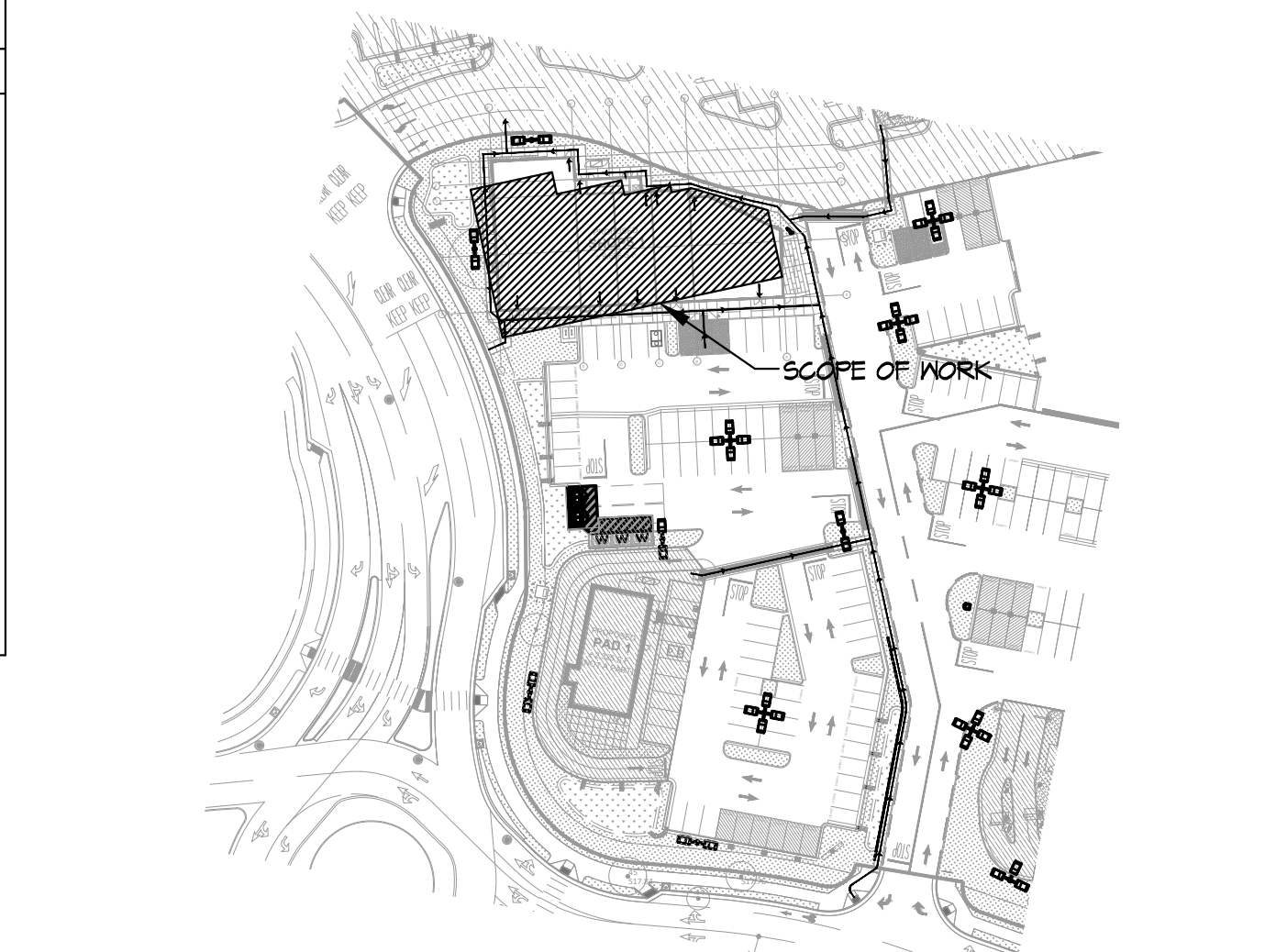


<b>SECTION 1: SCOPE OF WORK</b>	
1. (4) NEW 5 TON AND (2) NEW 6 TON ROOFTOP UNITS CAPPED FOR FUTURE USE. (2) NEW 6 TON ROOFTOP UNITS AND NEW AIR DISTRIBUTION. 2. DUCT WORK, ELBOVS, FITTINGS, & DUCT INSULATION. 3. DIFFUSERS, REGISTERS, AND GRILLES 4. HVAC CONTROL SYSTEMS. 5. TESTING AND BALANCING. 6. PERMIT AND INSPECTION.	
<b>SECTION 2: FEES, PERMITS &amp; INSPECTIONS</b>	
a) CONTRACTOR MUST PAY FEES AND OBTAIN PERMITS, LICENSES, INSPECTIONS, ETC., AS REQUIRED BY ANY LEGALLY CONSTITUTE AUTHORITY. b) CONTRACTOR SHALL NOT MAKE HIS WORK COVERED OR CLOSED UNTIL THE WORK HAS BEEN INSPECTED AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION. ANY EXPENSES FOR ADDITIONAL WORK DUE TO THE VIOLATION OF THIS REQUIREMENT WILL BE PAID BY THE CONTRACTOR. c) THIS DOCUMENT IS NOT FOR BID OR CONSTRUCTION UNTIL THE PLAN HAS BEEN REVISED AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION AND THE PERMIT IS OBTAINED. NO COMPENSATION WILL BE MADE FOR ADDITIONAL WORK DUE TO THE VIOLATION OF THIS REQUIREMENT.	
<b>SECTION 3: GENERAL REQUIREMENTS</b>	
a) ANY EXISTING CONDITIONS ARE BASED ON LIMITED FIELD VERIFICATION. CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE TENANT. b) ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS. c) CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH DEMOLITION PRIOR TO BIDDING AND START OF WORK. CONTRACTOR IS RESPONSIBLE FOR DEMO OF ALL EXISTING ITEMS, AS REQUIRED, FOR INSTALLATION/CONSTRUCTION OF NEW WORK. d) CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING HIS BID. NO ADDITIONAL COMPENSATION WILL BE MADE FOR ANY EXTRA COSTS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOBSITE AND PREDETERMINE ALL EXISTING CONDITIONS BEFORE SUBMITTING HIS BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT FOR RESOLUTION. NO EXCEPTION. e) CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD VERIFICATION OF ALL UTILITY RUNS, UNDERGROUND AND ABOVE GROUND PIPING AND/OR OTHER IMPROVEMENTS LOCATED ON THE PREMISES. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL COSTS RELATING TO THE RELOCATION OF DAMAGE TO, REPAIR OF ANY EXISTING UTILITY RUNS AND/OR IMPROVEMENTS WHICH ARE DAMAGED AS A RESULT OF WORK IN OR AROUND THE PREMISES. f) THE MECHANICAL CONTRACTOR SHALL INSPECT AND TEST RUN ALL EXISTING UNITS AT THE START OF CONSTRUCTION AND INFORM THE ARCHITECT OF ANY NECESSARY REPAIRS FOR APPROVAL IN A TIMELY MANNER TO NOT DELAY THE OPENING DATE. g) ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE PER BUILDING CODE REQUIREMENTS OR APPLICABLE MANUFACTURER INSTALLATION REQUIREMENTS. h) THE CONTRACTOR SHALL INSTALL ALL EQUIPMENTS AS REQUIRED TO CONFORM TO THE STRUCTURE. AVOID OBSTRUCTIONS AND MAKE ALL EQUIPMENT REQUIRING MAINTENANCE OR REPAIR ACCESSIBLE. i) ALL EQUIPMENT FURNISHED SHALL FIT THE SPACE AVAILABLE WITH CONNECTIONS IN THE REQUIRED LOCATIONS AND WITH ADEQUATE SPACE FOR OPERATING AND SERVICING. THE DRAWINGS ARE SPECIALLY DIAGRAMMATIC AND INDICATE THE MANNER AND METHOD OF THE INSTALLATION WHILE THE SPECIFICATIONS AND EQUIPMENT LIST DENOTE THE TYPE AND QUALITY OF MATERIAL AND WORKMANSHIP TO BE USED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. WHERE A CONFLICT EXISTS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT WHOSE DECISION SHALL BE FINAL. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR AFTER AWARD OF THE CONTRACT. j) ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE LATEST FEDERAL, STATE AND LOCAL CODES (NFPA, IBC, UMC AND LOCAL BODIES HAVING JURISDICTION), APPLICABLE CODE, CMC 2019, CPC 2019, CALIFORNIA ENERGY EFFICIENCY CODE 2019, CALIFORNIA ELECTRICAL CODE 2019. k) THE CONTRACTOR SHALL COOPERATE WITH THE OTHER TRADES SO THAT THE INSTALLATION OF ALL EQUIPMENT MAY BE PROPERLY COORDINATED. k.1) DISCONNECT SWITCHES & LINE VOLTAGE CONNECTIONS (BY ELECTRICAL) k.2) ALL LINE VOLTAGE WIRING AND CONDUIT (BY ELECTRICAL) k.3) CONDENSATE PIPING (PLUMBING) l) ALL ROOFING WORK SHALL BE PERFORMED BY OWNER'S APPROVED ROOFING CONTRACTOR. m) DISPOSE OF ALL EQUIPMENT NOT REUSED AS A PART OF THE NEW WORK AS DIRECTED BY THE OWNER. n) ALL ROOF MOUNTED EQUIPMENT SHALL BE LABELED AS TO THE SPACE IT SERVES WITH 3" HIGH WEATHERPROOF VINYL LETTERS. o) ALL APPLIANCE AND PLUMBING VENTS AND THE DISCHARGE OUTLET OF EXHAUST FANS SHALL BE AT LEAST TEN (10) FEET IN A HORIZONTAL DIRECTION, OR THREE(3) FEET ABOVE THE OUTSIDE-AIR INTAKES FOR HVAC UNITS.	

<b>HVAC NOTES AND SPECIFICATIONS</b>	
p) MATERIALS EXPOSED WITHIN DUCTS OR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME-SPREAD RATING NOT GREATER THAN TWENTY-FIVE(25) AND A SMOKE DEVELOPED RATING NOT GREATER THAN FOUR HUNDRED FIFTY(450) WHEN TESTED AS A COMPOSITE PER APPLICABLE TESTING STANDARD. q) AFTER INSTALLING WALL, CEILING, OR FLOOR INSULATION, THE INSTALLER SHALL MAKE AVAILABLE TO THE ENFORCEMENT AGENCY OR POST IN A CONSPICUOUS LOCATION IN THE BUILDING, A CERTIFICATE SIGNED BY THE INSTALLER STATING THAT THE INSTALLATION IS CONSISTENT WITH THE PLANS AND SPECIFICATIONS DESCRIBED IN SEC 10.02B/2A. THE CERTIFICATE SHALL ALSO STATE THE MANUFACTURER'S NAME, MATERIAL IDENTIFICATION, AND THE INSTALLED R-VALUE. r) INSTALL DUCT INSULATION ONLY AFTER DUCTWORK HAS BEEN INSPECTED AND APPROVED. s) REGISTERS, GRILLES, AND DIFFUSERS SHALL BE INSTALLED ONLY AFTER ALL CEILINGS AND WALLS ARE FINISHED INCLUDING FINAL PAINTING. CEILING MOUNTED UNITS SHALL BE INSTALLED WITH RIMS TIGHT AGAINST CEILING. WALL MOUNTED UNITS SHALL BE INSTALLED AT LEAST 6 INCHES BELOW THE CEILING UNLESS OTHERWISE NOTED. DAMPERS PROVIDED WITH DIFFUSERS AND REGISTERS SHALL NOT BE USED FOR SYSTEM BALANCING. INSIDE OF DUCT, BEHIND SEE-THROUGH REGISTERS AND GRILLES SHALL BE PAINTED BLACK. t) ROUND SHEET METAL DUCTS SUSPENDED IN THE AIR SHOULD BE SUPPORTED BY HANGERS AT LEAST EVERY 10 FEET. FLEXIBLE DUCTS SUSPENDED IN THE AIR SHOULD BE SUPPORTED AT LEAST EVERY 4 FEET BY STRAPS THAT ARE AT LEAST 1/2" TO 1/4" INCHES WIDE, AND THEY SHOULD NOT SAS MORE THAN 1/2" FOR EACH FOOT OF DISTANCE BETWEEN THE SUPPORTS. STRAPS USED ON FLEXIBLE DUCTS SHOULD NOT CONSTRICT THE INNER DIAMETER OF THE DUCT OR CUT THE OUTER JACKET. u) DUCT SLEEVES AND PREPARED OPENINGS SHALL BE PROVIDED WHERE DUCTS PENETRATE FLOORS, WALLS, CEILINGS OR ROOFS, AND SHALL BE INSTALLED DURING CONSTRUCTION OF THE FLOOR, WALL, CEILING OR ROOF. MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION OF ALL DUCT PENETRATIONS OF STRUCTURE WITH GENERAL CONTRACTOR. v) DUCT SLEEVES SHALL BE FABRICATED FROM MINIMUM 20 GAUGE GALVANIZED SHEET STEEL. SLEEVE SHALL HAVE ONE(1) INCH CLEARANCE BETWEEN THE DUCT AND THE SLEEVE, OR ONE(1) INCH CLEARANCE BETWEEN THE INSULATION AND THE SLEEVE FOR INSULATED DUCTS. DUCT SLEEVES EMBEDDED IN CONCRETE SHALL BE CONSTRUCTED OF 1/4 INCH THICK CARBON STEEL PLATE, AND SHALL BE WELDED IN ACCORDANCE WITH AWS D11. w) DEMAND CONTROL VENTILATION DEVICES (CO2 SENSORS) SHALL BE INSTALLED IN ACCORDANCE WITH CMC, 12(C)4.	
<b>SECTION 4: PRODUCTS</b>	
a) THERMOSTAT SHALL BE INSTALLED WITH 7-DAY PROGRAMMABLE AUTO-CHANGE OVER FEATURE. MOUNTING HEIGHT IS 3 TO 4 FEET ABOVE FINISHED FLOOR. b) ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS, INCLUDING, BUT NOT LIMITED TO, BUILDING CAVITIES, MECHANICAL CLOSETS, AIR-HANDLER BOXES AND SUPPORT PLATFORMS USED AS DUCTS OR PLENUMS, SHALL BE INSTALLED, SEALED AND INSULATED TO MEET THE REQUIREMENTS OF CHAPTER 6 OF THE CALIFORNIA MECHANICAL CODE. SUPPLY-AIR AND RETURN-AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM INSTALLED LEVEL OF R-8, UNLESS NOTED OTHERWISE. INSULATION IS NOT REQUIRED ON LINED DUCTS AND DUCTS EXPOSED TO CONDITIONED SPACE. PROVIDE RFI TO ENGINEER BEFORE CLASSIFYING THE SPACE AS CONDITIONED SPACE. NO COMPENSATION WILL BE MADE IF THE CONTRACTOR FAILS TO VERIFY. c) DUCT PLENUM SHALL BE GALVANIZED STEEL DUCT. ALL JOINTS, LONGITUDINAL AND TRANSVERSE SEAMS, AND CONNECTIONS IN DUCTWORK, SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), MASTIC-PLUS-EMBEDDED-GABRIG SYSTEMS, OR TAPS, TAPS AND MASTICS USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL181A OR UL181B. DUCT CONNECTIONS TO FLANGES OF AIR DISTRIBUTION SYSTEM EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED. DUCT TAP IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS. (IECC 2009-909.2.B) d) FLEXIBLE DUCTWORK SHALL BE IN ACCORDANCE WITH UL181 AND NFPA 90A AND NFPA 90B. ALL TAKEOFFS FROM MAIN AND BRANCH DUCT SHALL BE 45° TAPS WITH VOLUME DAMPERS AS SHOWN ON THE DRAWINGS. GLASS-FLEX TYPE DUCT MAY BE USED AT ENTRANCE TO DIFFUSERS BUT MUST BE NO GREATER THAN 5'-0" IN LENGTH. e) DUCT SUPPORTS AND HANGERS: PROVIDE HANGERS AND SUPPORTS OF STEEL SHAPES AND RODS CONFORMING TO ASTM A36/A36M. GALVANIZED IN ACCORDANCE WITH ASTM A123. HARDWARE FOR HANGERS AND SUPPORTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153/A153M. HANGERS AND SUPPORTS SHALL BE FABRICATED IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, AND SMACNA HVAC SYSTEMS DUCT DESIGN. f) BUILDING ATTACHMENT: CONCRETE INSERTS, POWER-ACTUATED FASTENERS, OR STRUCTURAL STEEL FASTENERS APPROPRIATE FOR BUILDING MATERIALS. DO NOT USE POWDER-ACTUATED CONCRETE FASTENERS FOR LIGHTWEIGHT AGGREGATE CONCRETES OR FOR SLABS LESS THAN 4 INCHES THICK. g) STRAPS AND ROD SIZES, CONFORM WITH TABLE 4-1 IN SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, FOR SHEET STEEL WIDTH AND GAUGE AND STEEL ROD DIAMETERS.	

<b>DUCT WORK SYMBOLS</b>	
<b>DOUBLE LINE</b> 	<b>SINGLE LINE</b> 
<b>SECTION 5: EQUIPMENT SUBMITTALS</b> SUBMITTALS FOR MECHANICAL EQUIPMENTS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR APPROVAL BEFORE ORDERING SUCH EQUIPMENTS. NO EXCEPTION.	
<b>SECTION 6: TESTING</b>	
a) AFTER COMPLETION OF WORK, TESTS ON THE HVAC SYSTEMS, INCLUDING A DUCT LEAKAGE TEST, AND ON AIR BALANCE PERFORMANCE ARE REQUIRED. THE AIR QUALITY RESULTS SHALL CONFORM WITH THE VOLUME SHOWN ON THE PLAN. PROVIDE ALL NECESSARY TESTING EQUIPMENTS AND LABORS AT NO COST TO THE OWNER. b) THE TESTED AIR QUALITY SHOULD BE WITHIN 5% OF THE DESIGN VALUE INDICATED ON PLANS. NOTIFY ENGINEER IMMEDIATELY IF AIR QUALITY IS OUT OF THE RANGE, NO EXCEPTION.	
<b>SECTION 7: OPERATING INSTRUCTIONS</b>	
a) THE BUILDER SHALL PROVIDE THE BUILDING OWNER OR PERSON(S) RESPONSIBLE FOR BUILDING MAINTENANCE (IN CASE OF MULTI-TENANT OR CENTRALLY OPERATED BUILDINGS) AT OCCUPANCY THE FOLLOWING: 1) OPERATING INFORMATION, THE APPROPRIATE CERTIFICATE(S) OF COMPLIANCE AND A LIST OF THE FEATURES, MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING AND INSTRUCTIONS ON HOW TO OPERATE THEM EFFICIENTLY. 2) MAINTENANCE INFORMATION, REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY STATED AND INCORPORATED ON A READILY ACCESSIBLE LABEL. THE LABEL MAY BE LIMITED TO IDENTIFYING THE OPERATION AND MAINTENANCE MANUAL. 3) VENTILATION INFORMATION, A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE TO EACH AREA. b) CONTRACTOR SHOULD PREPARE AT LEAST THREE SETS MANUALS, COVERING 1. OIL AND LUBRICATION INSTRUCTIONS 2. PARTS SCHEDULE AND REPLACEMENT INSTRUCTIONS 3. AIR FLOW AND AIR BALANCE REPORT.	
<b>SECTION 8: WARRANTY</b>	
a) THE CONTRACTOR SHALL PROVIDE OWNER WITH A WRITTEN MINIMUM TWO (2) YEAR MANUFACTURING WARRANTY ON ALL HVAC EQUIPMENT PROVIDED AND/OR INSTALLED. THE WARRANTY SHALL INCLUDE ALL LABOR, MATERIALS, AND THREE (3) ROUTING SERVICES WITH FILTER CHANGES DURING A ONE (1) YEAR PERIOD.	

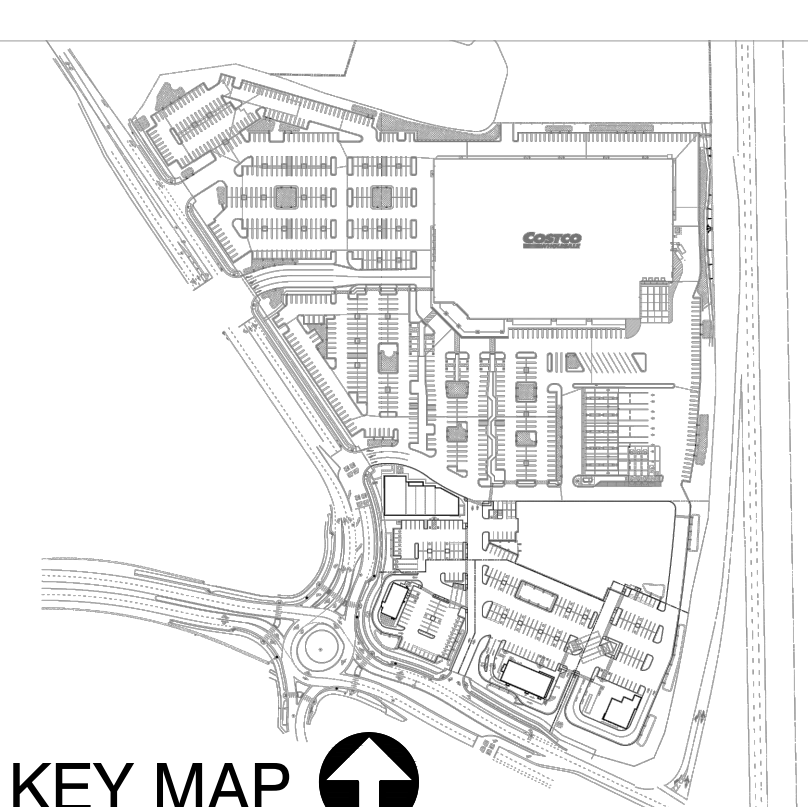
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**PARTIAL SITE PLAN**  
SCALE: NONE



A PROJECT FOR:  
**RICH DEVELOPMENT ENTERPRISES, LLC**  
1000 N. Western Avenue, Suite 200  
San Pedro, CA 90732  
Tel. 310.454.9417



**RIVER CROSSING MARKETPLACE**  
4861 Bechelli Lane  
Redding, CA 96002

ISSUES / REVISIONS		
No.	DATE	DESCRIPTION
	2022-04-06	1st PLAN CHECK SUBMITTAL
	2022-08-04	ISSUED FOR BID
	2022-10-14	Back Check Submittal (Cycle 1)
	2023-01-20	Back Check Submittal (Cycle 2)
	2023-04-28	ISSUED FOR CONSTRUCTION
	11-03-2022	Addendum A
	12-07-2022	Addendum B
	04-14-2023	Addendum C

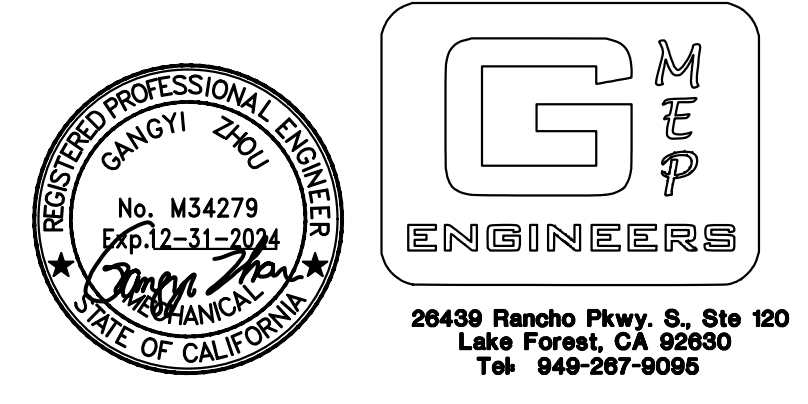
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JOB NUMBER: 20127FMA  
DRAWN BY: GMPE CHECKED BY: GMPE  
DATE: 4/27/23  
SHEET DESCRIPTION:

**HVAC GENERAL NOTES AND LEGENDS**

SHEET NUMBER:

**M-1.0**



FAN SCHEDULE									
EQUIPMENT NO.	SERVICE	LOCATION	CFM	STATIC PRESS. (IN W.G.)	MOTOR			MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
					WATTS	HP	RPM		
EF R1 EF R2 EF R3 EF R4 EF R5	RESTROOM	CEILING	120	0.5	47.8	--	900	115-1-60	GREENHECK SP-A200 OR EQUAL BACKDRAFT DAMPER CONTROLLED BY OCCUPANCY SENSOR OPERATION WT. = 25 LBS
EF E	ELECTRICAL	CEILING	120	0.5	47.8	--	900	115-1-60	GREENHECK SP-A200 OR EQUAL BACKDRAFT DAMPER CONTROLLED BY TIME CLOCK OPERATION WT. = 25 LBS

NOTES:

VENTILATION CALCULATION							
OCCUPANCY CATEGORY	FLOOR AREA (SQ.FT.)	*AREA OUTDOOR AIR RATE (CFM/SQ.FT.)	AREA OUTDOOR AIR REQUIREMENT (CFM)	PERSONS (QTY.)	*PEOPLE OUTDOOR AIR RATE (CFM/PERSON)	PEOPLE OUTDOOR AIR REQUIREMENT (CFM)	OUTSIDE AIR PROVIDED (CFM)
SUITE 100	3502	0.12	420.24	52.53	7.50	393.98	820
SUITE 200	1253	0.12	150.36	25.06	7.50	187.95	350
SUITE 300	1203	0.06	72.18	30.08	7.50	225.56	300
SUITE 400	1203	0.12	144.36	24.06	7.50	180.45	325
SUITE 500	2242	0.18	412.56	160.44	7.50	1203.30	1620

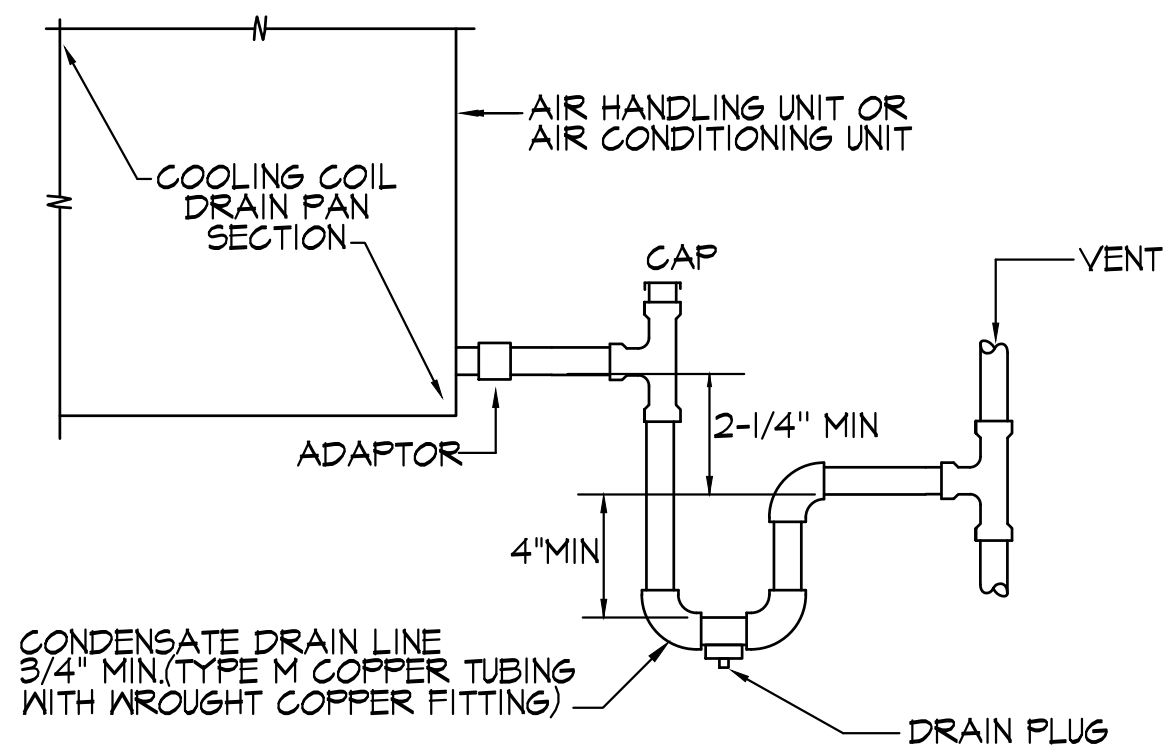
NOTES:  
\*PER CMC TABLE 402.1

SCHEDULE - AIR DISTRIBUTION								
TAG	SERIES	CFM	DUTY	NECK	SIZE	DAMPER	MATERIAL	DESCRIPTION
CD-1	6500	SEE DWGS	SUPPLY	6.8, 10, 12, 14, 16	24X24	YES	STEEL	STAMPED
CD-2	6690	SEE DWGS	RETURN	6.8, 10, 12, 14, 16	24X24	YES	STEEL	STAMPED
CD-3	1400	SEE DWGS	SUPPLY	6.8	12X12	YES	STEEL	STAMPED

NOTES:  
A. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND/OR SUSPENSION SYSTEM.  
B. FINISH SHALL BE OF THE TYPE AND COLOR SELECTED BY ARCHITECT. SUBMIT FINISH CHART WITH SHOP DRAWINGS.  
C. NC < 30.  
D. NECK SIZES TO MATCH DUCT CONNECTION UNLESS NOTED OTHERWISE.  
SELECTIONS ARE BASED ON PRODUCTIONS BY KRUEGER. EQUAL PRODUCTS: TITUS, CARNES, METAL-AIRE & PRICE.

NEW ROOFTOP AIR HANDLING UNIT SCHEDULE															
EQUIPMENT NO.	SERVICE	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	E.S.P. (IN W.G.)	COOLING CAPACITY		HEATING CAPACITY			FILTERS	ELECTRICAL			MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
					NOM. TONS	SEER/EER	GAS CFH	MBH INPUT	MBH OUTPUT		AFUE	V.-PH.-CY.	MCA		
RTU 60A RTU 60B RTU 60C RTU 60D RTU 60E	SEE PLAN	2000	A-1350 B-D:540 E: 300	0.5	5	14.0/12.0	115	115	49.15	81	THROWAWAY	208-1-60	34.1	60	TRANE 4YCC4060A115 SMOKE DETECTOR FACTORY CURB ECONOMIZER/POWER EXHAUST THERMOSTAT R410 REFRIGERANT OPER. WT. = 752 LBS
RTU T2A RTU T2B RTU T2C	SEE PLAN	2400	A#B:410 C:325	0.5	6	--/12.6	120	120	96	80	THROWAWAY	208-3-60	31	45	TRANE YHC072----M SMOKE DETECTOR FACTORY CURB ECONOMIZER/POWER EXHAUST THERMOSTAT R410 REFRIGERANT OPER. WT. = 916 LBS

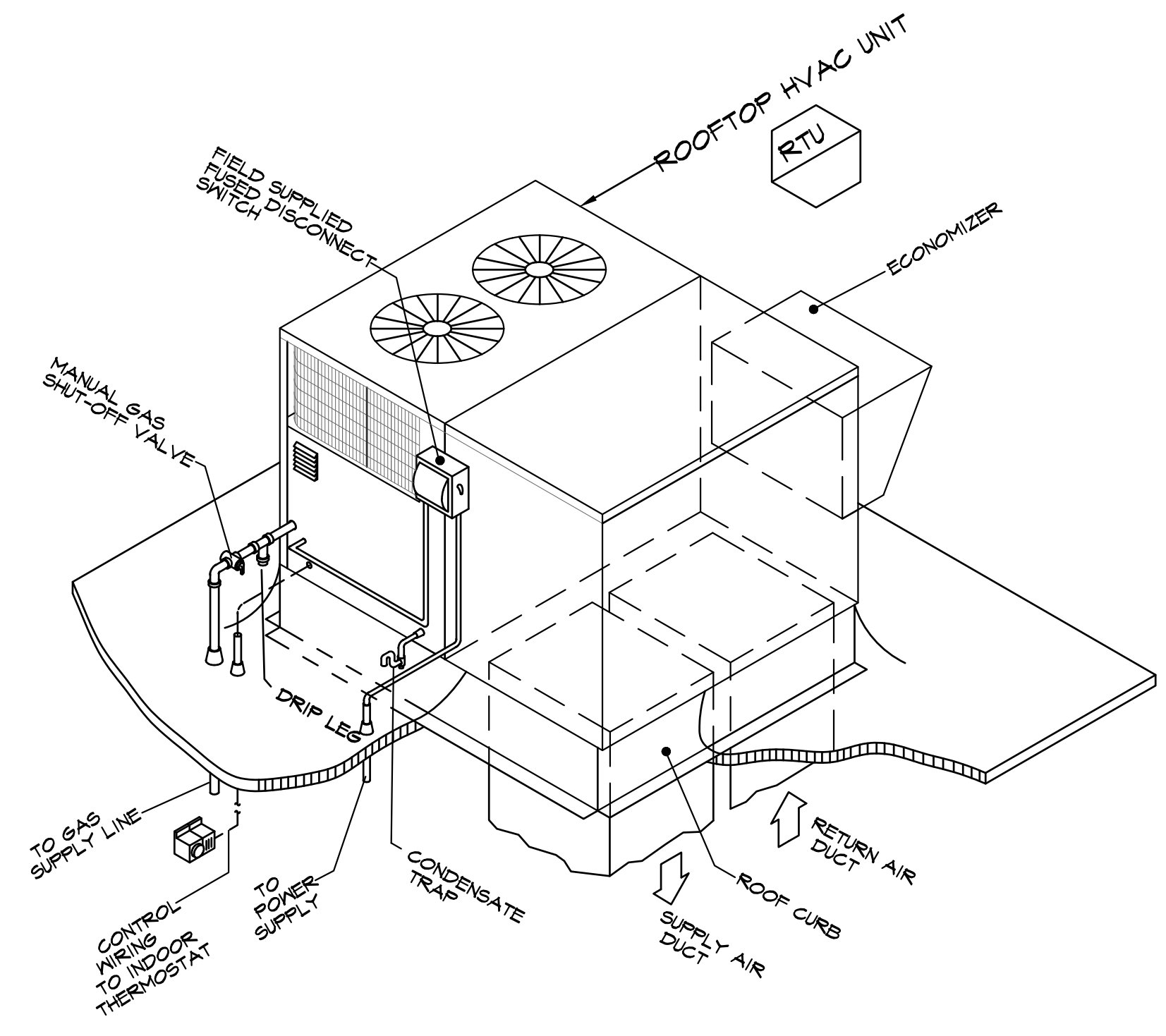
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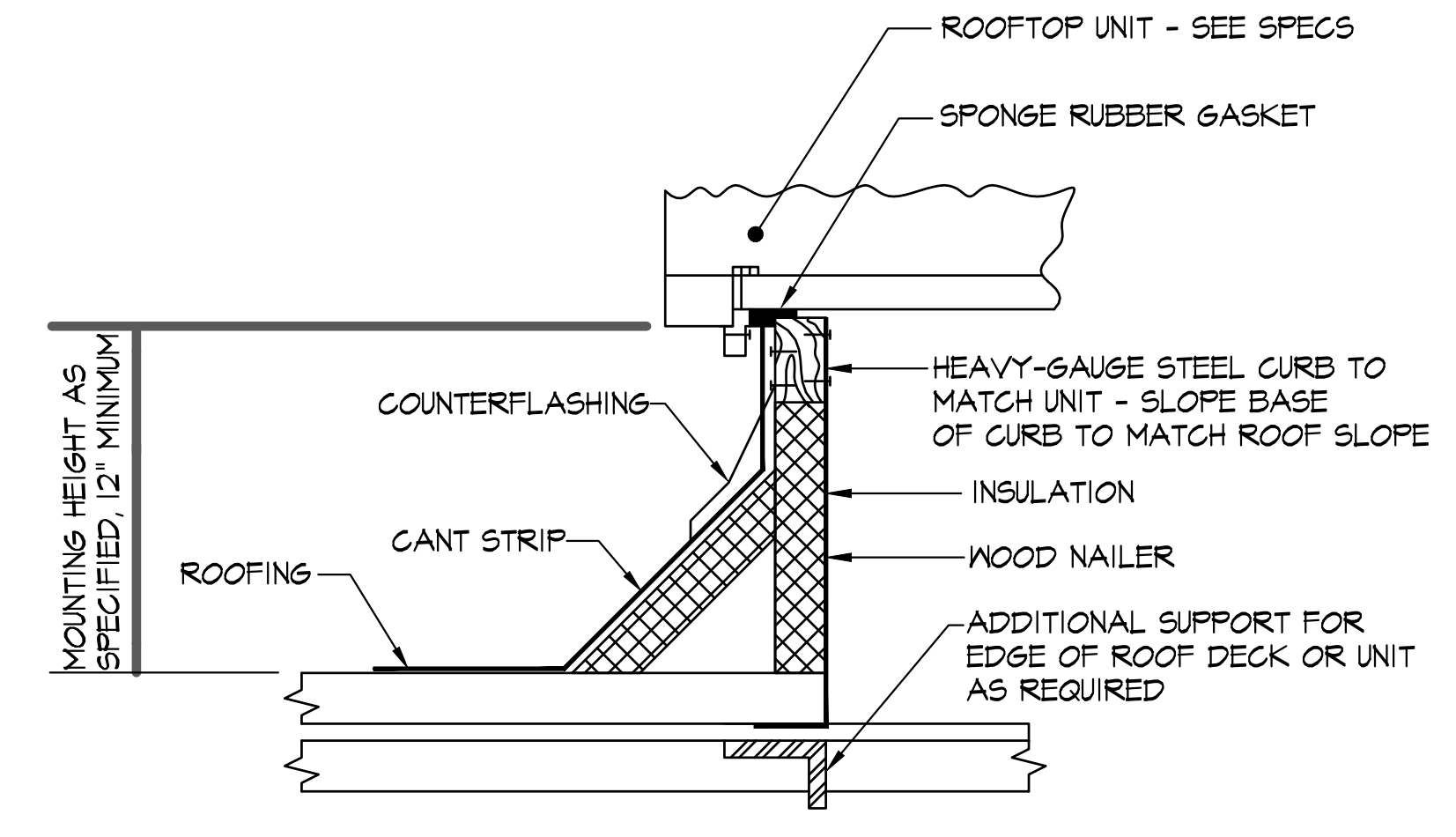
INT TONS CAPACITY	MIN CD PIPE SIZE
UP TO 20	3/4"
21-40	1"
41-60	1-1/4"
61-125	1-1/2"
126-250	2"

- NOTES:
- ALL INTERIOR CONDENSATE DRAIN PIPING SHALL BE INSULATED.
  - SLOPE ALL CONDENSATE DRAIN LINES AT 1%.
  - CONDENSATE DRAIN PIPING SHALL BE TYPE "DWV" HARD DRAWN COPPER TUBING WITH WROUGHT COPPER FITTINGS, 30-50 SOLDERED JOINTS.
  - ALL CONDENSATE LINES SHALL RUN ON THE UNDERSIDE OF THE ROOF STRUCTURE AND DRAIN INTO APPROVED LOCATION, REFER TO PLUMBING DRAWING, ROUTE SECONDARY DRAIN TO EXTERIOR OR PROVIDE A SHUTOFF FLOAT SWITCH.

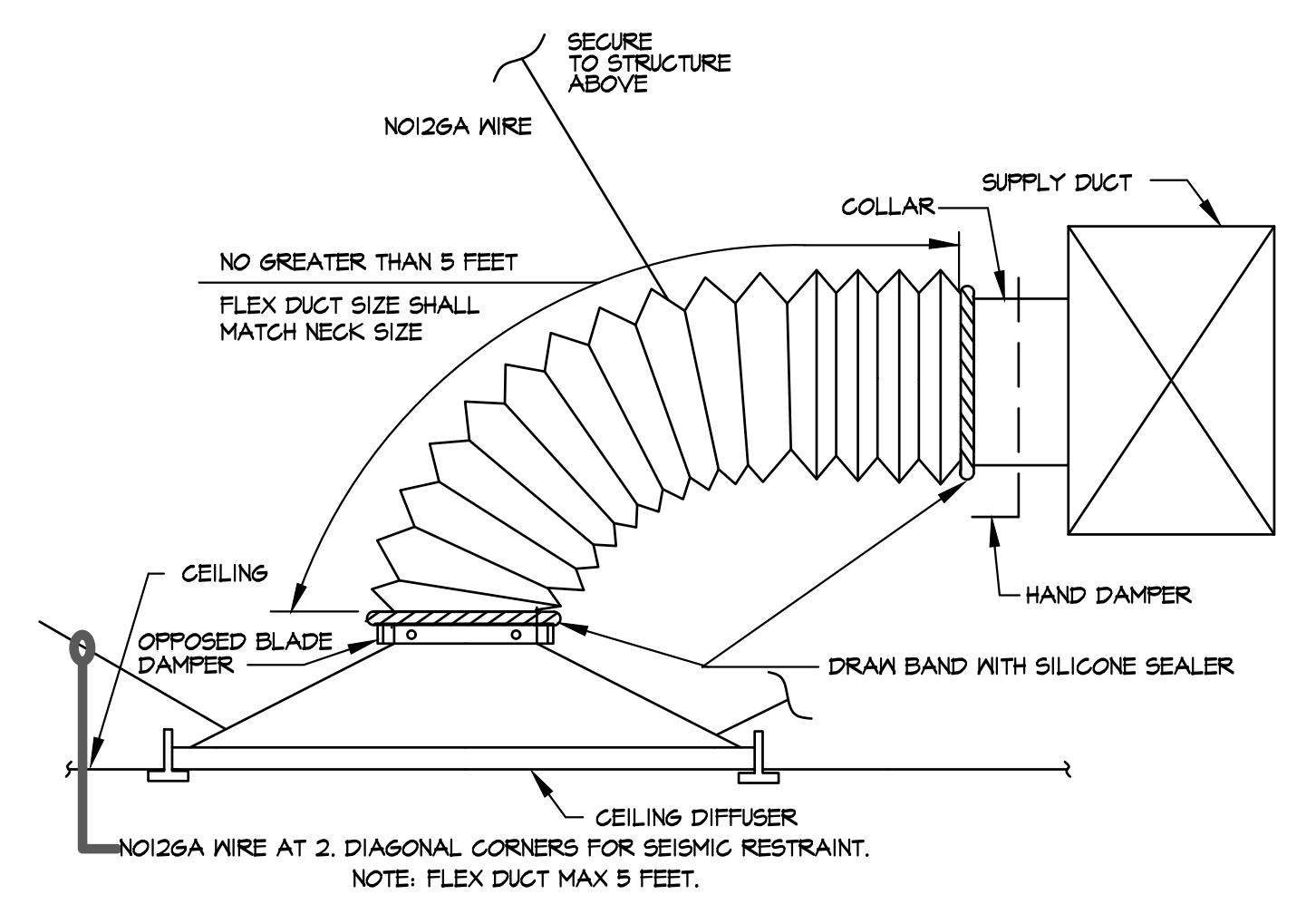
**CONDENSATE PIPE**  
SCALE: NONE



**GAS FIRED ROOFTOP HVAC UNIT DETAIL**  
SCALE: NONE



**ROOFTOP EQUIPMENT CURB DETAIL**  
SCALE: NONE



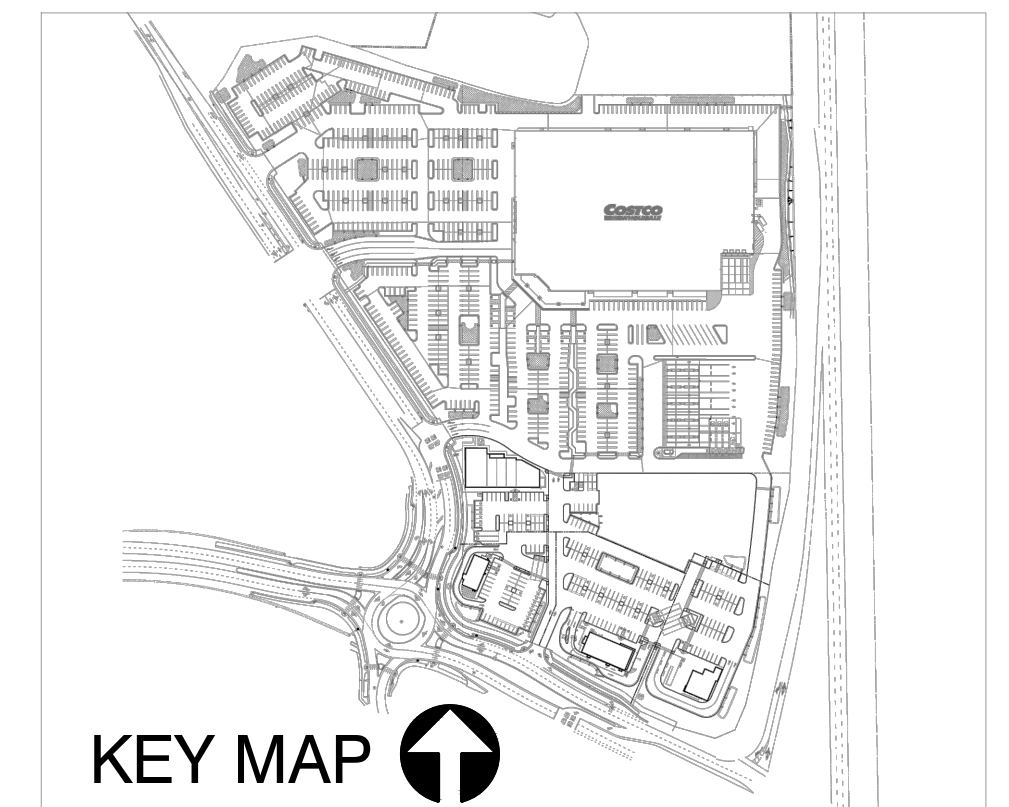
**TYPICAL DIFFUSER CONNECTION (SIDE OF DUCT CONNECTION)**  
SCALE: NONE



A PROJECT FOR:

**RICH DEVELOPMENT ENTERPRISES, LLC**

1000 N. Western Avenue, Suite 200  
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**RIVER CROSSING MARKETPLACE**

4861 Bechelli Lane  
Redding, CA 96002

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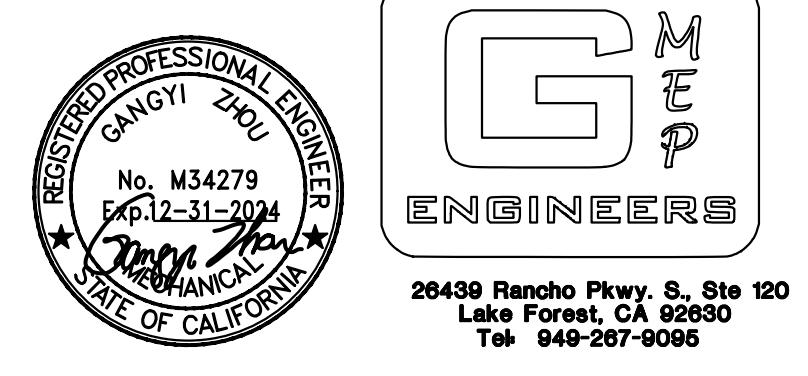
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**HVAC EQUIPMENT SCHEDULES**

SHEET NUMBER:

**M-1.1**



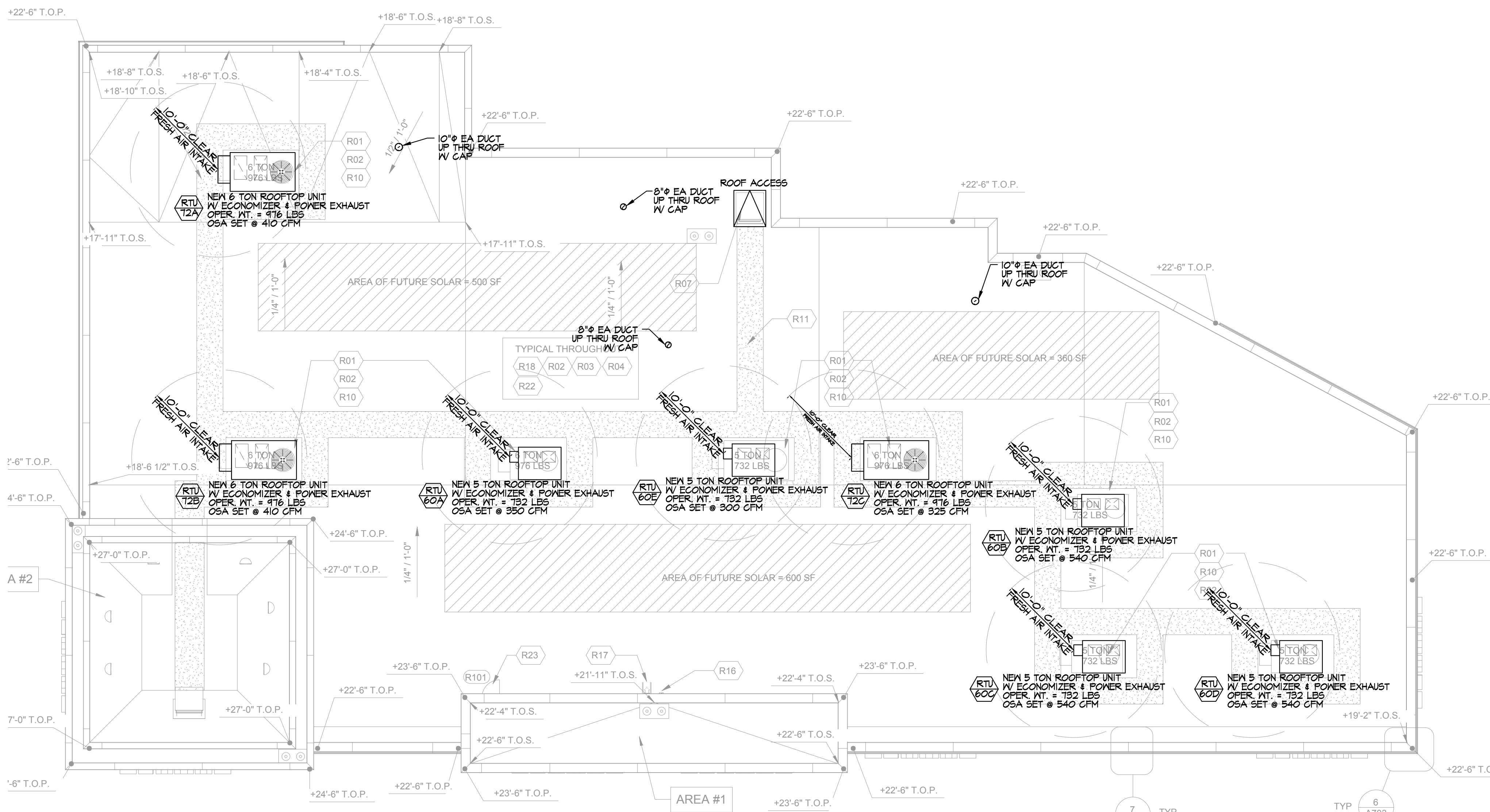
HVAC KEYED NOTES

① SA 4 RA PLENUMS CAPPED FOR FUTURE USE.



HVAC CEILING PLAN

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



HVAC ROOF PLAN

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

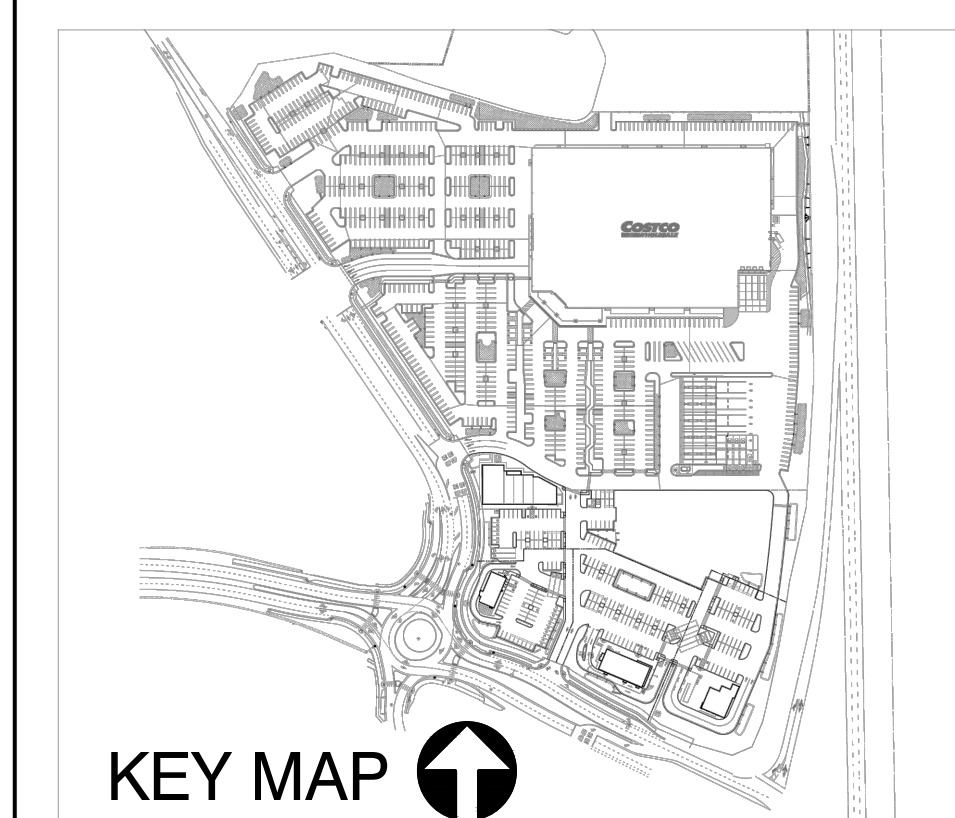
**McKently Malak ARCHITECTS**

35 Hugus Alley Suite 200  
Pasadena California 91103-3648  
TEL 626 583 8348 FAX 626 583 8387

A PROJECT FOR:

**RICH DEVELOPMENT ENTERPRISES, LLC**

1000 N. Western Avenue, Suite 200  
San Pedro, CA 90732  
Tel. 310.454.9417



**RIVER CROSSING MARKETPLACE**

4861 Bechelli Lane  
Redding, CA 96002

ISSUES / REVISIONS

No.	DATE	DESCRIPTION
2022-04-06		1st PLAN CHECK SUBMITTAL
2022-08-04		ISSUED FOR BID
2022-10-14		Back Check Submittal (Cycle 1)
2023-01-20		Back Check Submittal (Cycle 2)
2023-04-28		ISSUED FOR CONSTRUCTION
11-03-2022		Addendum A
12-07-2022		Addendum B
04-14-2023		Addendum C

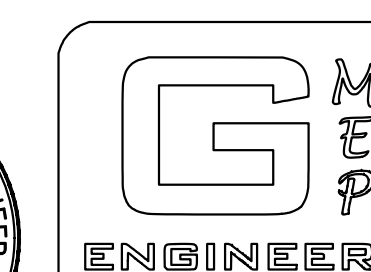
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JOB NUMBER: 20127FMA  
DRAWN BY: GMEP CHECKED BY: GMEP  
DATE: 4/27/23  
SHEET DESCRIPTION:

HVAC CEILING PLAN

SHEET NUMBER:

**M-2.0**



26439 Rancho Pkwy. S. Ste 120  
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