

SPLIT SYSTEM HEAT PUMP UNITS SCHEDULE

OUTDOOR UNIT														CAPACITY RANGE BTUH		SERVICE	QUANT.	REMARKS
NO.	MAKE & MODEL	MCA	MFA	V	PH	HZ	SEER	EER	HSPF	TONAGE	WT.LBS.	COOLING	HEATING					
HP 1	CARRIER 25HHA448A003	28.8	50	230	1	60	14.0	11.5	8.2	4	276	47,060	46,580	DINING RM & KITCHEN	1	SUCTION LINE 1/2", LIQUID LINE 1/4" 1 2 3		
HP 2	CARRIER 25HHA460A003	33.4	50	230	1	60	14.0	11.5	8.2	5	288	60,060	47,520	ENTIRE STORE	1	SUCTION LINE 1/2", LIQUID LINE 1/4" 1 2 3		

INDOOR FANCOIL UNIT SCHEDULE

FC-UNIT NO.	MAKE & MODEL	CLG/HTG BTU	AIRFLOW CFM (LO-MID-HI)	REFRIG. TYPE	ESP	FLA	MCA	V	PH	HZ	WT.LBS.
FC 1	CARRIER FX4DNF049L00	47,060 BTU 46,580 BTU	1,600	R-410A	0.5"	6.0	7.50	230	1	60	185
FC 2	CARRIER FX4DNF061L00	47,520 BTU 58,220 BTU	2,000	R-410A	0.5"	6.0	7.50	230	1	60	185

NOTES

- PROVIDE 208/1P DISCONNECT SWITCH.
 - PROVIDE CONDENSATE DRAIN AND CONDENSATE PUMP AS NEEDED.
 - INSTALL AS PER MANUFACTURER RECOMMENDS.
- WITH APPROVAL OF ARCHITECT/GC UNIT CAN BE SUBSTITUTED WITH APPROVED EQUAL.

EXHAUST AND MAKE-UP AIR FANS SCHEDULE

SYMBOL	MAKE	MODEL	CFM	S.P.	ELECTRICAL				WT.(LBS)	QUANTITY	SERVICE	REMARKS
					HP	V	PH	HZ				
EF 1	BROAN	QTRE100S	100	0.2	36.3 WATT	120	1	60	12.6	3	TOILETS	FAN UNIT IS CEILING MOUNTED W/BACK DRAFT DAMPER, DISC. SWITCH INTERLOCK WITH BATHROOM LIGHT SWITCH.
EF 2	CAPTIVE AIRE	DU180HPA	1,950	1.5	1.5	230	1	60	188	1	PIZZA OVEN HOOD	[E] FAN UNIT IS ROOF MOUNTED ON MANUFACTURER PAD, DISC. SWITCH INTERLOCK WITH MAKE-UP AIR FAN & HAVC..
EF 3	CAPTIVE AIRE	DU240HFA	4,217	2.0	5.0	230	1	60	313	1	MAIN HOOD	[E] FAN UNIT IS ROOF MOUNTED ON MANUFACTURER PAD, DISC. SWITCH INTERLOCK WITH MAKE-UP AIR FAN & HAVC..
EC 1	CAPTIVE AIRE	A2-200	6,167	0.5	5.0	230	1	60	853	1	WHOLE KITCHEN	[E] MAKE-UP AIR FAN UNIT IS ROOF MOUNTED ON MANUFACTURER PAD, DISC. SWITCH INTERLOCK WITH EF-2 & EF-3 & HAVC.

MECHANICAL EQUIPMENT AND FAN SCHEDULES

SCALE NONE 4

GENERAL NOTES

Ductwork:

- All air conditioning ducts shall comply with chapter 6 of the uniform mechanical code. All transverse joints to be substantially airtight with tape, mastic, gasketing or other means; all low pressure ductwork sized equal to or less than 0.1" w.g./100 ft.
- Duct supports and anchorage shall comply with UMC 604(a) and table 6-E.
- Round ductwork may be used instead of rectangular ductwork if space permits.
- If flexible ductwork is used, it may not be bent or compressed in any way.
- Manual volume dampers to be installed in all branch take-offs. All dampers to have locking quadrants.
- Duct sizes shown are net sizes required. Lined ducts shall be increased in size to accommodate lining without loss of area.
- Provide mastic or duct tape joint sealant to seal transverse joints on air supply ducts installed in locations where air leakage through the joints would be non-beneficial to the occupied area temperature requirements. And, seal longitudinal joints on low-pressure supply ducts where internal static pressure exceed 0.75" of water pressure.

Air Devices:

- Arrows at ceiling diffusers indicate the air throw pattern. Coordinate with architectural drawings and reflected ceiling plans for exact location of all diffusers and registers and louvers.
- Supply diffusers and registers to be J & J model 1444(Modular type) or 1210 (Perforated Modular type) for ceiling installation and/or 900V for side-wall installation or approved equal with key operated opposed blade damper unit.
- Return and exhaust air registers to be J & J model ALEC-5 or 1290 for ceiling installation and/or 90V for side-wall installation or approved equal with key operated opposed blade damper unit.

Insulation:

- Mineral fiber insulation shall be installed in joint spaces whenever a plumbing pipe or duct penetrates a floor-ceiling assembly or where such pipe or duct passes through the plane of floor-ceiling assembly from within a wall. The insulation shall be installed to a point 12" beyond the pipe or duct.
- Ceiling concealed supply and return ducts shall be covered all sides with 2" thick 3/4 lb./cu. ft. or with 1" thick 1.5 lb./cu. ft. density fiberglass insulation, or 1" thick 3 lb./cu. ft. mineral fiber board, or material with a conductance of 0.30 or less, applied with 2" lapped joints securely and neatly wired and fastened to duct; the insulation to be certified by California Energy Commission; (John Mansville is accepted) when ductwork penetrate insulated walls or roof, the hole must be sealed with an approved poly seal material.
- All insulation materials shall be certified by the manufacturer as complying with the California quality standard for insulation material.
- All supply and return air ductwork exposed to weather (or in equipment room) to be lined with 1-1/2" thick 1.5 lb./cu. ft. density fiberglass insulation.

Code:

- Provide a 3/4" minimum condensate drain line from each A/C unit to an approved disposal area. Condensate water shall not drain over a public way. The drain shall have a slope of not less than 1/8" inch per foot and shall be of approved corrosion-resistant pipe. In projects with limited ceiling space, the cooling equipment shall be installed close or adjacent to the walls with a lavatory. (This work is under plumbing section, refer to plumbing drawings).
- Mount wall mounted thermostats 4' - 0" above finished floor.

AIR CONDITIONING SYMBOLS & ABBREVIATIONS

SYMBOLS	SYMBOLS	ABBR	DESCRIPTION	ABBR	DESCRIPTION
FD	FD	FD	FIRE DAMPER	GA	GAUGE
FSD	FSD	COMB.	FIRE/SMOKE DAMPR	AC	AIR CONDITIONING
APV	APV	APV	AIR PROPORTIONING VANE	B.H.P.	BRAKE HORSEPOWER
F.C.	F.C.	F.C.	FELEXIBLE DUCT CONN.	BDD	BACK-DRAFT DAMPER
TH	TH	TH	THROAT & SIZE	O.C.	ON CENTER
TV	TV	TV	TURNING VANES	COMP	COMPRESSOR
MVD OR VD	MVD OR VD	MVD	MANUAL VOLUME DAMPER W/INDIVIDUAL BLADE QUADRANTS	(M)	UNDER DIV. 15
		DB		DB	DRY BULB
		WB		WB	WET BULB
		EXT		EXT	EXTERNAL
OPBD	OPBD	OPBD	OPPOSED BLADE DAMPER	OPNG	OPENING
PBD	PBD	PBD	PARALLEL BLADE DAMPER	CFM	CUBIC FEET/MINUTE (CFM)
TH	TH	TH	HEATING COIL T-STAT	(T)	THERMOSTAT
-HO	-HO	-HO	-HAND OPER.(QUADRANT)	FPM	FEET PER MINUTE
BFT	BFT	BFT	BOTTOM FLAT TRANSITION	HP	HORSEPOWER
TFT	TFT	TFT	TOP FLAT TRANSITION	(E)	UNDER DIV. 16
LINE	LINE	LINE	PLENUM OR DUCT LINER	MBH	THOUSAND BTU PER HOUR
FLEX	FLEX	FLEX	FLEXIBLE DUCT	NIC	NOT IN CONTRACT
		CD		CD	CEILING DIFFUSER
		CR		CR	CEILING REGISTER
		CG		CG	CEILING GRILLE
		TR		TR	TOP REGISTER
		BR		BR	BOTTOM REGISTER
		RH		RH	RELATIVE HUMIDITY
		REQ'D		REQ'D	REQUIRED
EXH	EXH	EXH	EXHAUST	S.P.	STATIC PRESSURE
OSA	OSA	OSA	OUTSIDE AIR FLOW	(SD)	DUCT SMOKE DETECTOR
UC	UC	UC	UNDERCUT DOOR	TYP	TYPICAL FOR
HWS	HWS	HWS	HEATING HOT WATER SUPPLY	Ø	DIAMETER OR ROUND
HWR	HWR	HWR	HEATING HOT WATER RETURN	UTR	UP THRU ROOF
CWS	CWS	CWS	COOLING TOWER WATER SUPPLY	GV	GATE VALVE
CWR	CWR	CWR	COOLING TOWER WATER RETURN	UN	UNION
CHWS	CHWS	CHWS	CHILLED WATER SUPPLY	CB	BALANCING COCK
CHWR	CHWR	CHWR	CHILLED WATER RETURN	CV	CHECK VALVE
				CFV	BUTTERFLY VALVE
				PCV	MOMORIZED VALVE
					STRAINER WITH BLOW DOWN VALVE
					EXISTING WORK TO REMAIN

MECHANICAL LEGENDS

SCALE NONE 1

APPLICABLE CODES:

2019	CRC	CALIFORNIA RESIDENTIAL CODE
2019	CMC	CALIFORNIA MECHANICAL CODE
2019	CPC	CALIFORNIA PLUMBING CODE
2019	CEC	CALIFORNIA ELECTRICAL CODE
2019	CSB	COUNT OF SAN BERNARDINO BUILDING CODE

APPLICABLE CODES

SCALE NONE 2

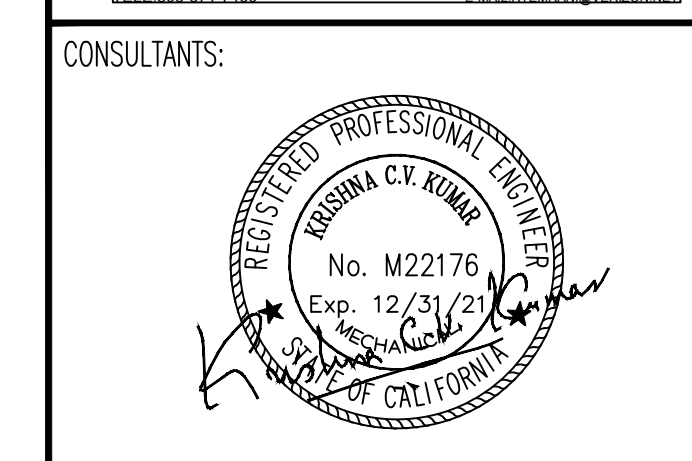
BUILDING DEPARTMENT NOTES:

- ALL APPLIANCES DESIGNED TO BE FIXED IN POSITION SHALL BE SECURELY FASTENED IN PLACE PER BUILDING CODE.
- ALL APPLIANCES AND PLUMBING VENTS AND 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.
- AIR CONDITIONING REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE PROTECTED FROM UNAUTHORIZED ACCESS.
- 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 DUCTS AND OF THE 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. (SBC 5.504.3)
- 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 9 OF THE 2019 CMC. SUPPLY-AIR AND RETURN-AIR DUCTS CONVEYING HEATED OR COOLED AIR SHALL BE INSULATED TO A MINIMUM LEVEL OF R-4.2 (R-8 IF INSULATED IN AN UNCONDITIONED SPACE) UNLESS DUCTS ARE IN A CONDITIONED SPACE.
- THE THERMOSTATIC CONTROLS FOR HVAC SYSTEMS SHALL MEET THE FOLLOWING REQUIREMENTS AS APPLICABLE:
 - EACH SPACE CONDITIONING ZONE SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL THAT RESPONDS TO TEMPERATURE WITHIN THE ZONE AND MEETS THE FOLLOWING:

- EACH THERMOSTATIC CONTROL SHALL BE CAPABLE OF BEING SET LOCALLY OR REMOTELY BY ADJUSTMENT OR SELECTION OF SENSORS TO CONTROL.
- CONTROL HEATING DOWN TO 55°F OR LOWER
- COMFORT COOLING UP TO 85°F OR HIGHER.
- BOTH HEATING AND COOLING, THE THERMOSTATIC CONTROLS SHALL BE CAPABLE OF PROVIDING A TEMPERATURE RANGE OF DEAD BAND OF AT LEAST 5°F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING ENERGY TO THE ZONE IS SHUT OFF OR REDUCED TO A MINIMUM.

INSTALLATION OF DUCTS SHALL BE IN ACCORDANCE WITH SECTION 630.0 OF THE 2019 CMC.

- ALL DUCTWORK FOR HEATING AND COOLING SYSTEMS OR EVAPORATIVE COOLING SYSTEM SHALL BE CONDUCTED THROUGH DUCT SYSTEMS CONSTRUCTED OF METAL AS SET FORTH IN THE SMOGNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE FACTORY MAKE-UP AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL COMPLY WITH THE 2019 CMC REFERENCED STANDARDS CHAPTER 17.
- JOINTS AND SEAMS FOR DUCT SYSTEMS SHALL COMPLY WITH SMOGNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE JOINTS OF DUCT SYSTEMS SHALL BE MADE SUBSTANTIALLY AIRTIGHT BY MEANS OF TAPES, MASTICS, GASKETING, OR OTHER MEANS. CRIMP JOINTS FOR ROUND DUCTS SHALL HAVE A CONTACT LAP OF NOT LESS THAN 1-1/2" AND SHALL BE MECHANICALLY FASTENED BY MEANS OF NOT LESS THAN 3 SHEET-METALS SCREWS EQUALLY SPACED AROUND THE JOINT, OR AN EQUIVALENT FASTENING METHOD.
- DUCT SHALL BE SUPPORTED AT EACH CHANGE OF DIRECTION AND IN ACCORDANCE WITH SMOGNA HVAC DUCT CONSTRUCTION STANDARD-METAL AND FLEXIBLE.



PRINTED DATE: 12-13-2021
DRAWN BY: R.T.E.
CHECKED BY: R.T.E.
PROJECT NO.: EMA-34-21

CLIENT:

DIAMOND AUTOMOTIVE CAFE

55761 TWENTYNINE PALMS HWY
YUCCA VALLEY, CA 92284

PROJECT NAME & ADDRESS:

APPROVALS

APPROVED BY	INITIALS	DATE
ISSUED FOR PLAN CHK	R.T.E.	DECEMBER 13, 2021

APPROVED BY	INITIALS	DATE

SHEET TITLE
**MECHANICAL LEGENDS,
EQUIPMENT AND FAN
SCHEDULES, GENERAL
NOTES**

SHEET NUMBER
M-1

MECHANICAL GENERAL NOTES

SCALE NONE 5

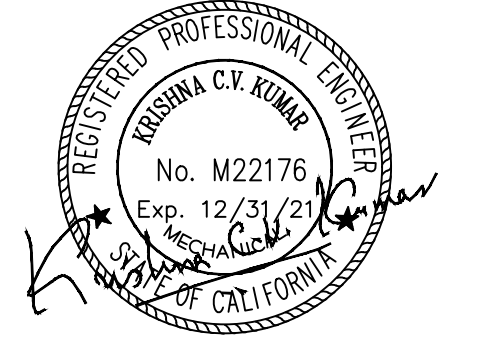
BUILDING DEPARTMENT NOTES

SCALE NONE 3



CONSULTING ENGINEERS
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 WESTLAKE VILLAGE CA 91361
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CONSULTANTS:



PRINTED DATE: 12-13-2021

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 YUCCA VALLEY, CA 92284**

APPROVALS

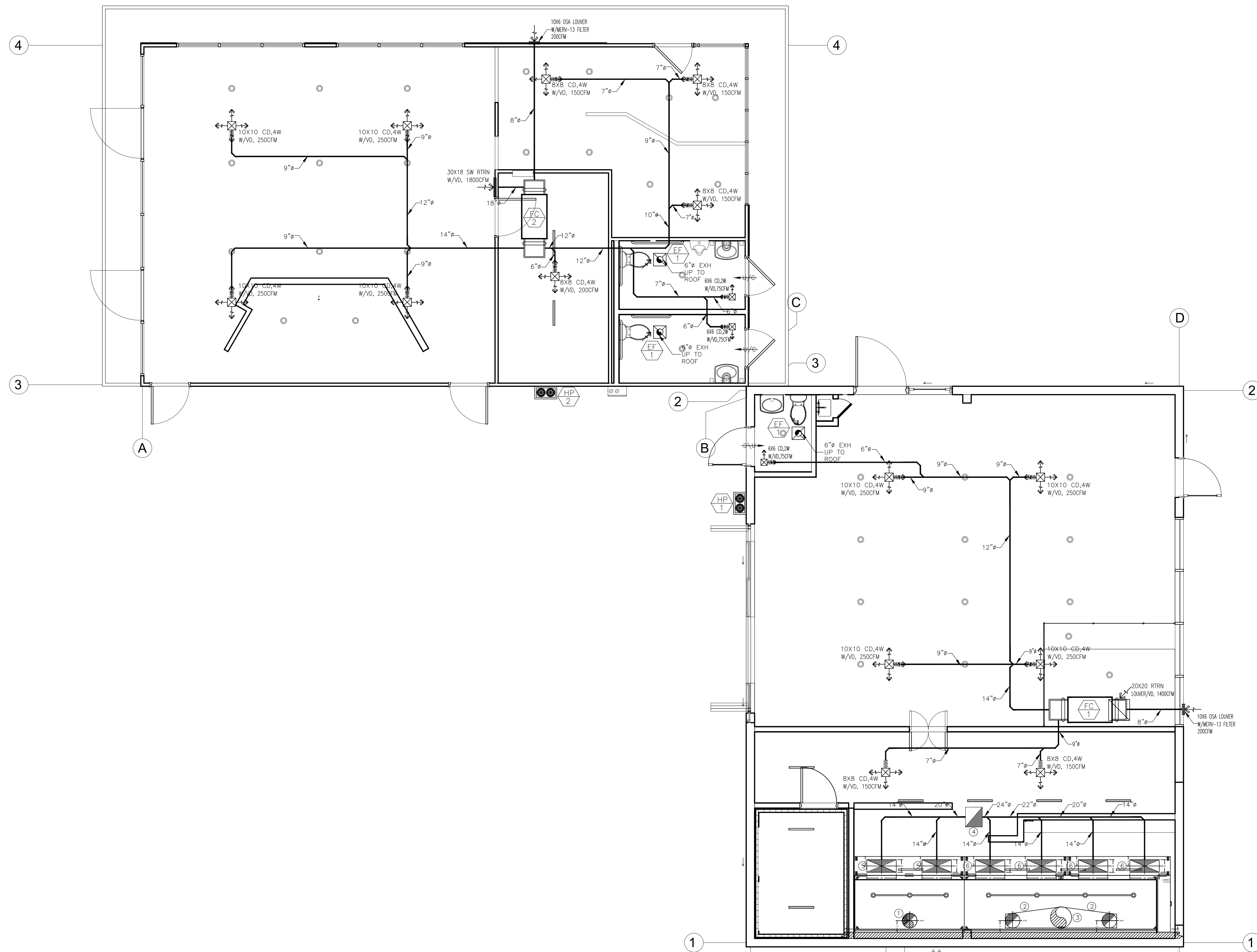
APPROVED BY	INITIALS	DATE
ISSUED FOR PLAN CHK	R.T.E.	DECEMBER 13, 2021

SHEET TITLE

NEW MECHANICAL FLOOR PLAN FOR BOTH BLDG.

SHEET NUMBER

M-2



- KEY NOTES:
- ① 14" PIZZA OVEN HOOD EXHAUST DUCT IN 3-M WRAP UP TO ROOF EF-2.
 - ② 14" EXHAUST DUCT IN 3-M WRAP ABOVE HOOD TO CONNECT TO MAIN RISER.
 - ③ 20" EXHAUST DUCT IN 3-M WRAP UP TO ROOF EF-3.
 - ④ 18X18 MAKE-UP AIR DUCT UP TO ROOF TO MUA-1.
 - ⑤ 20X14 SUPPLY AIR DIFFUSER W/VD MTD ON HOOD 975CFM.
 - ⑥ 20X14 SUPPLY AIR DIFFUSER W/VD MTD ON HOOD, 1,054CFM.

NEW MECHANICAL FLOOR PLAN

SCALE
 1/4" = 1'-0"

1



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PRINTED DATE: 12-13-2021

DRAWN BY: R.T.E.

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PROJECT NO.: EMA-34-21

CLIENT:

DIAMOND AUTOMOTIVE CAFE

PROJECT NAME & ADDRESS:

**55761 TWENTYNINE PALMS HWY
 YUCCA VALLEY, CA 92284**

APPROVALS

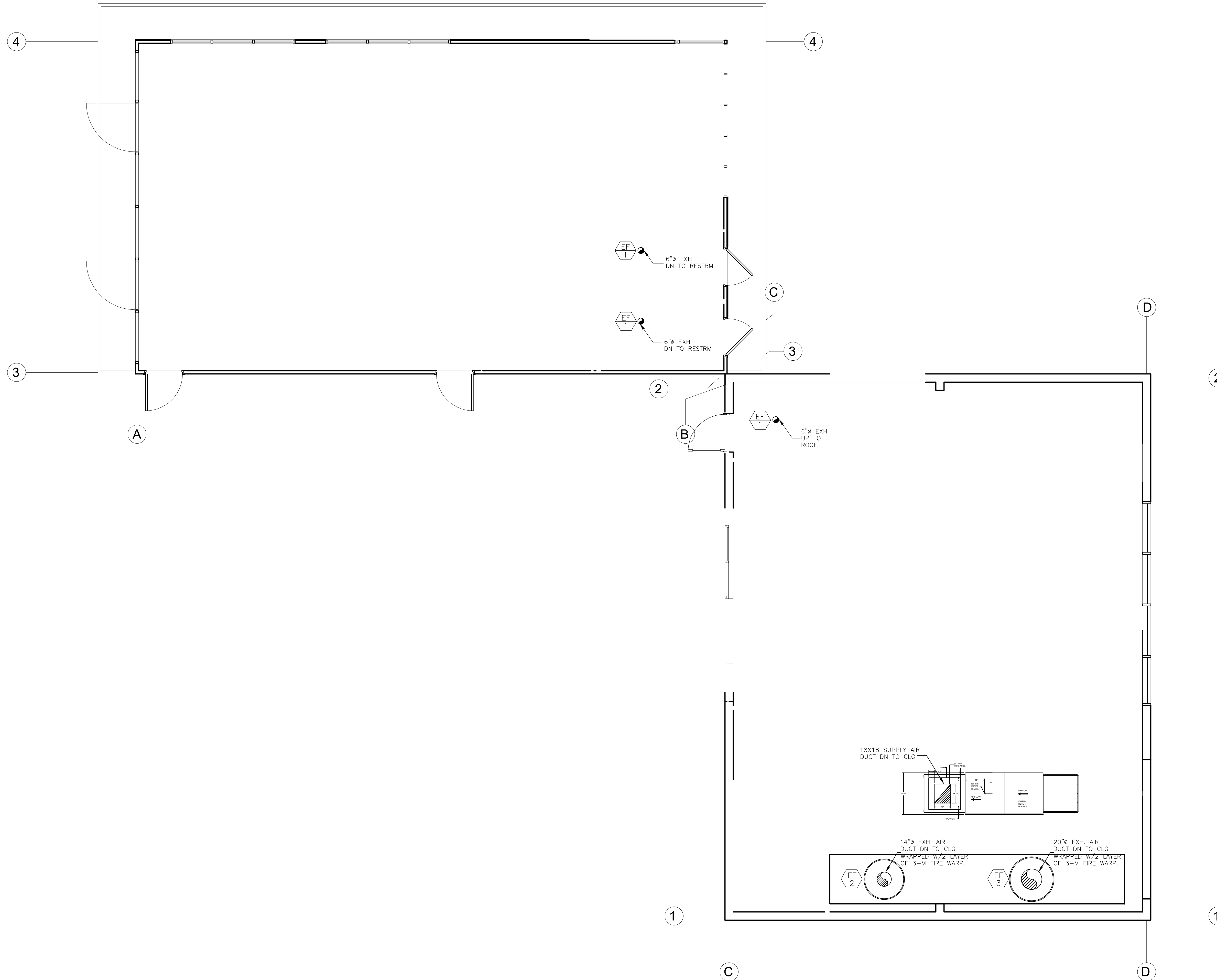
APPROVED BY	INITIALS	DATE
ISSUED FOR PLAN	R.T.E.	DECEMBER 13, 2021
CHK		

SHEET TITLE

**NEW MECHANICAL ROOF
 PLAN**

SHEET NUMBER

M-3



ROOF MECHANICAL PLAN

SCALE
 1/4" = 1'-0"

1

LIST OF COOKING EQUIPMENT UNDER HOOD#1:

PIZZA OVEN

EXHAUST AIR FLOW AS PER CAPTIVE AIR UL HOOD	8'-8"x4'-0"	1,950 CFM
EXHAUST AIR PROVIDED		1,950 CFM
DUCT SIZE		14"Ø, 1.06 SF
DUCT AIR VELOCITY		1,839.6 FPM
NO. FILTERS		6 CAPTRATE SOLO FILTERS
FILTER SIZE		20"x16"
PRESS. LOSS		-0.818"
CFM PER FILTER		325 CFM
MAKE-UP AIR PROVIDED BY "HP-1"		0.0 CFM
MAKE-UP AIR PROVIDED BY EC-1 UNIT		1,950 CFM

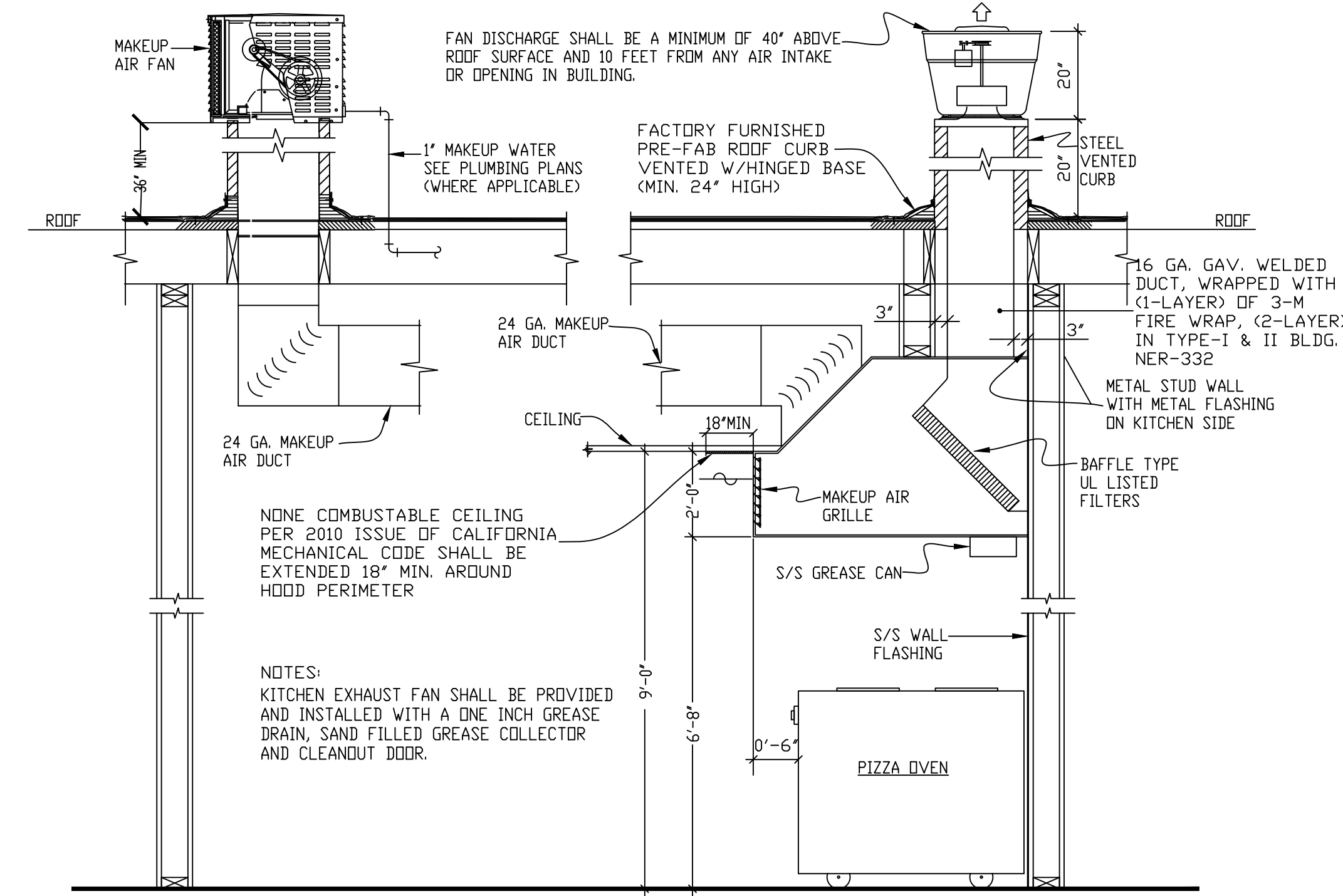
SPECIFIC NOTE:
UPON COMPLETION OF INSTALLATION OF THE VENTILATION SYSTEM SERVING COMMERCIAL KITCHEN HOOD(S) CONTRACTOR SHALL PROVIDE A PERFORMANCE TEST TO VERIFY THE RATE OF AIRFLOW AND PROPER OPERATION OF THE HOOD EXHAUST SYSTEM AS SPECIFIED IN "UMC" CHAPTER-5. CONTRACTOR SHALL PROVIDE THE NECESSARY TEST EQUIPMENT AND DEVICES FOR THIS TEST.

LIST OF COOKING EQUIPMENT UNDER HOOD#1:

8-BURNER STOVE FRYER
CONVECTION OVEN 36"GRIDDLE
36"GRILL TOP
8-BURNER STOVE.

EXHAUST AIR FLOW REQUIRED PER CAPTIVE AIR UL HOOD	15'-4"x4'-0"	4,217 CFM
EXHAUST AIR PROVIDED		4,217 CFM
DUCT SIZE		20"Ø, 2.18 SF
DUCT AIR VELOCITY		1,934.4 FPM
NO. FILTERS		11 CAPTRATE SOLO FILTERS
FILTER SIZE		20"x16"
PRESS. LOSS		-1.062"
CFM PER FILTER		383.31 CFM
MAKE-UP AIR PROVIDED BY "HP-1"		0.0 CFM
MAKE-UP AIR PROVIDED BY EC-1 UNIT		4,217 CFM

SPECIFIC NOTE:
UPON COMPLETION OF INSTALLATION OF THE VENTILATION SYSTEM SERVING COMMERCIAL KITCHEN HOOD(S) CONTRACTOR SHALL PROVIDE A PERFORMANCE TEST TO VERIFY THE RATE OF AIRFLOW AND PROPER OPERATION OF THE HOOD EXHAUST SYSTEM AS SPECIFIED IN "UMC" CHAPTER-5. CONTRACTOR SHALL PROVIDE THE NECESSARY TEST EQUIPMENT AND DEVICES FOR THIS TEST.



TYPE-I KITCHEN EXHAUST FAN & MAKE UP INSTALLATION
SCALE NONE

EME
CONSULTING ENGINEERS
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WESTLAKE VILLAGE CA 91361
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CONSULTANTS:
REGISTERED PROFESSIONAL ENGINEER
ROSIANA C.V. JUMBA
No. M22176
Exp. 12/31/21
STATE OF CALIFORNIA

PRINTED DATE: 12-13-2021
DRAWN BY: R.T.E.
CHECKED BY: R.T.E.
PROJECT NO.: EMA-34-21

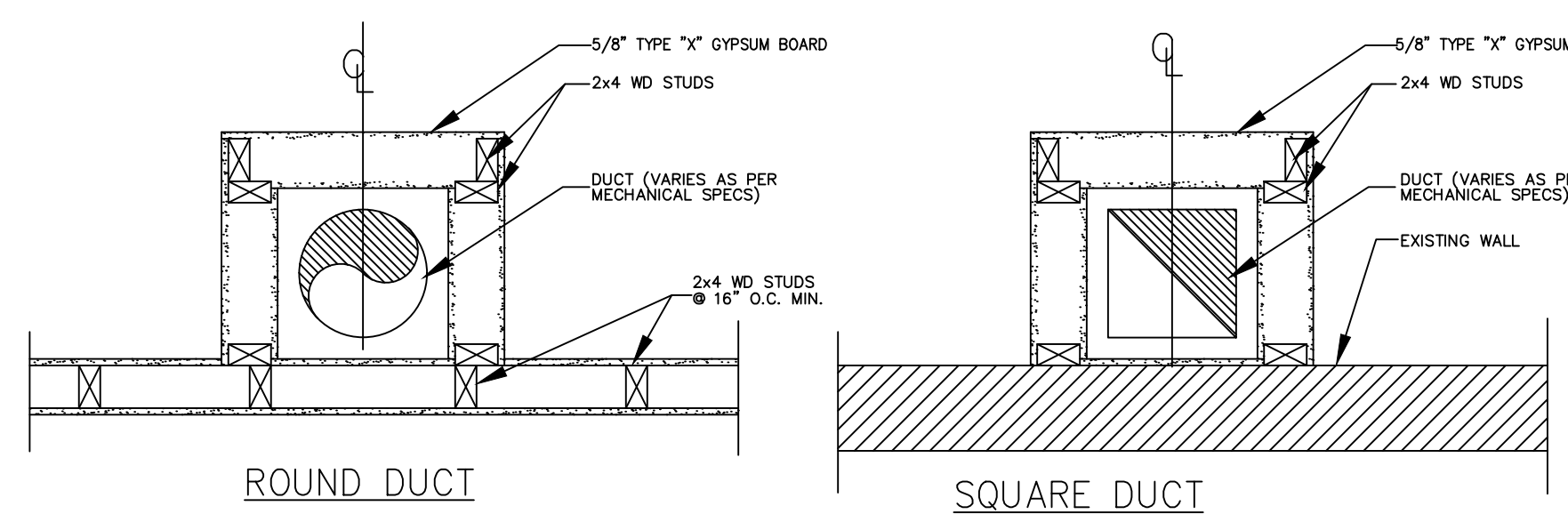
CLIENT:
DIAMOND AUTOMOTIVE CAFE
PROJECT NAME & ADDRESS:
55761 TWENTYNINE PALMS HWY
YUCCA VALLEY, CA 92284

TYPE-I EXHAUST HOOD CALCULATION

SCALE NONE 1

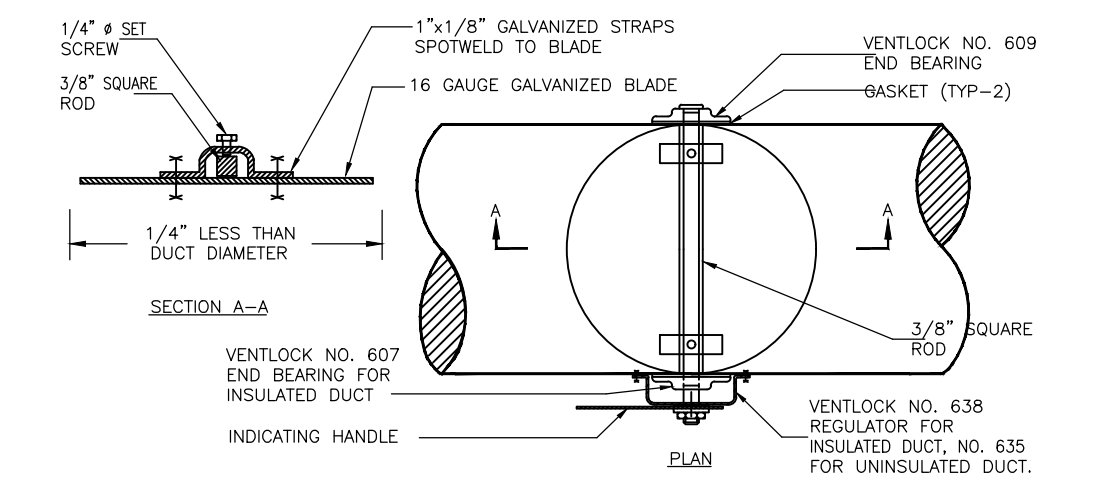
HOOD EXHAUST & MAKE-UP AIR INSTALLATION DETAIL

SCALE NONE 2



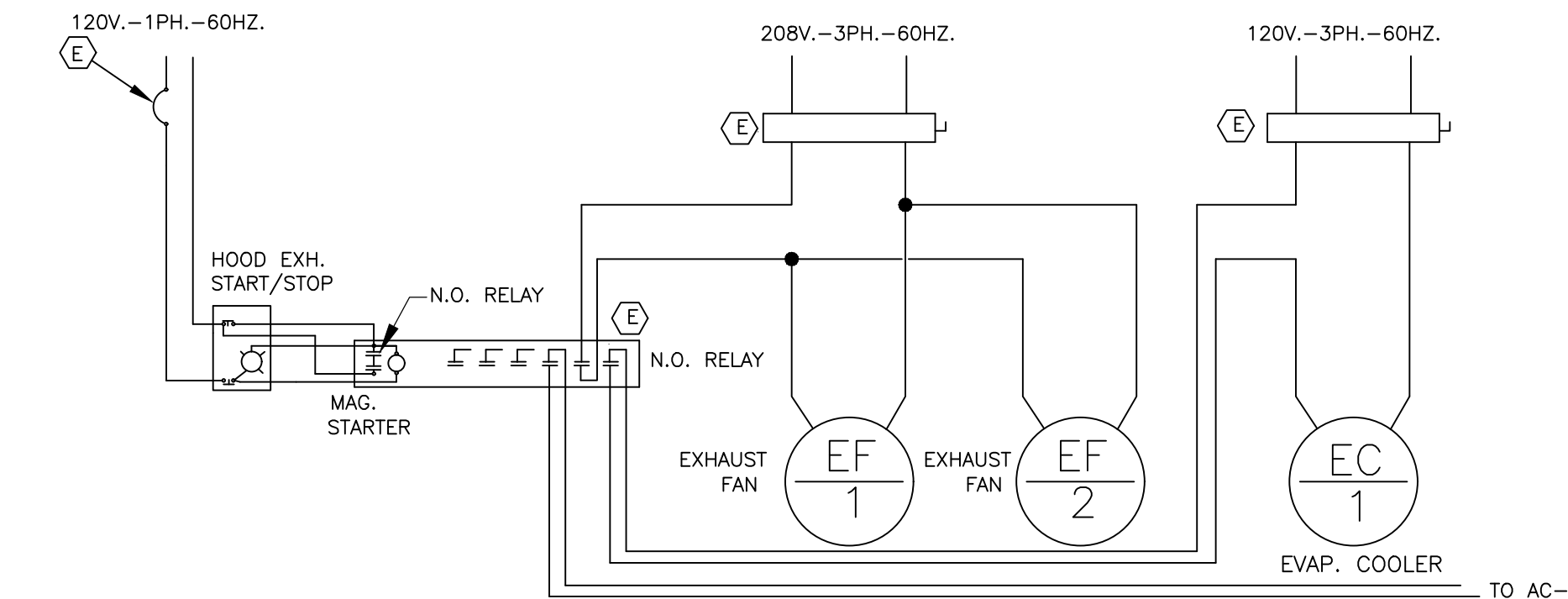
ONE-HOUR SHAFT DETAIL

SCALE NONE 5



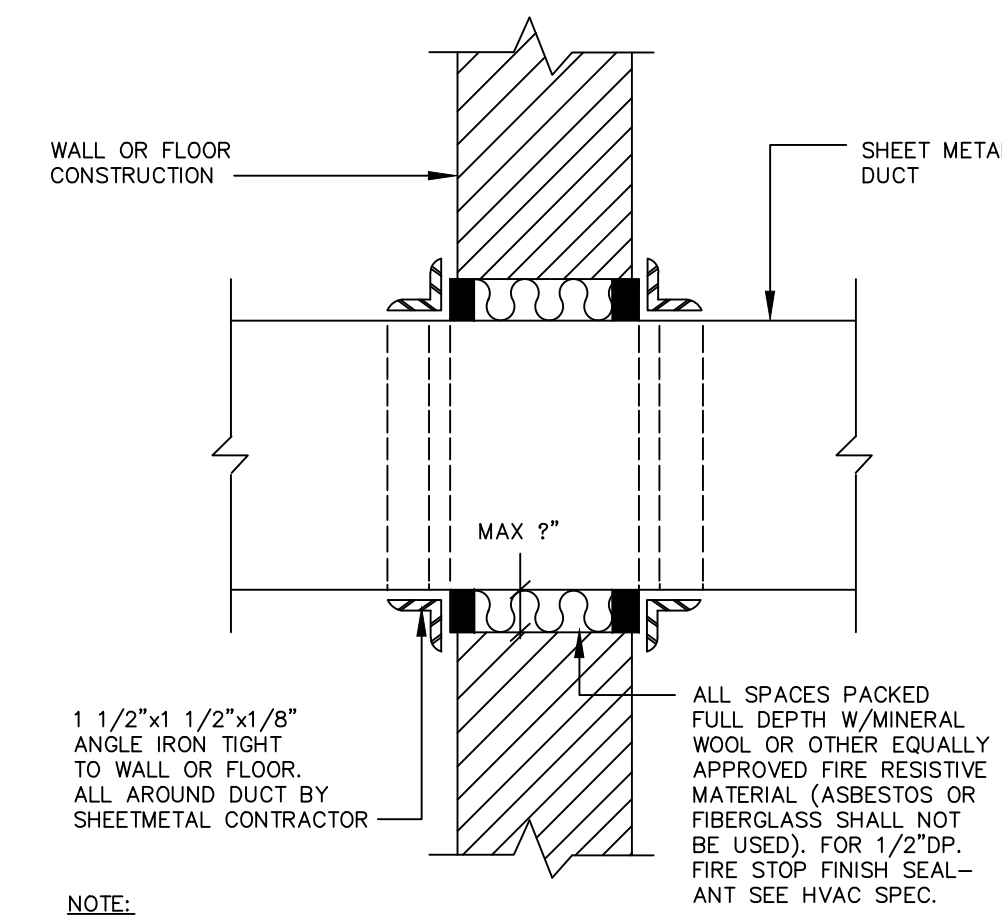
ROUND VOLUME DAMPER INSTALLATION

SCALE NONE 4



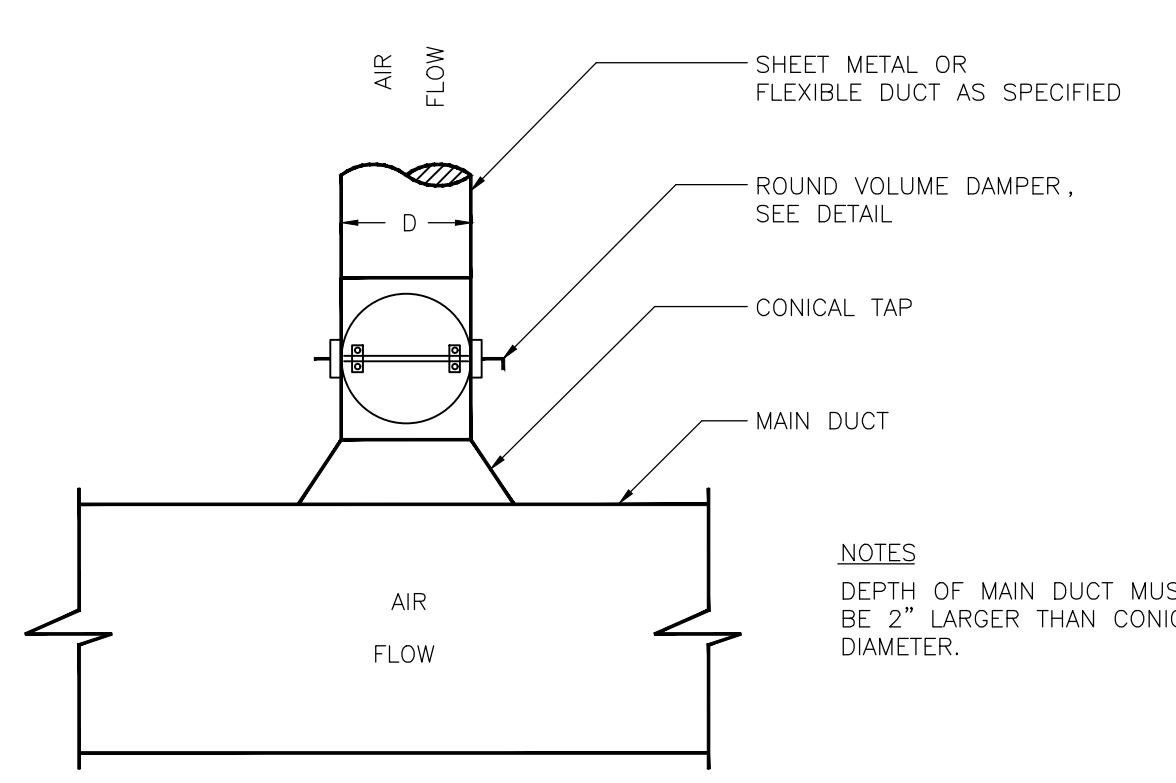
KITCHEN EXHAUST FANS & EVAP. COOLER INTERLOCK WIRING DIAGRAM

SCALE NONE 3



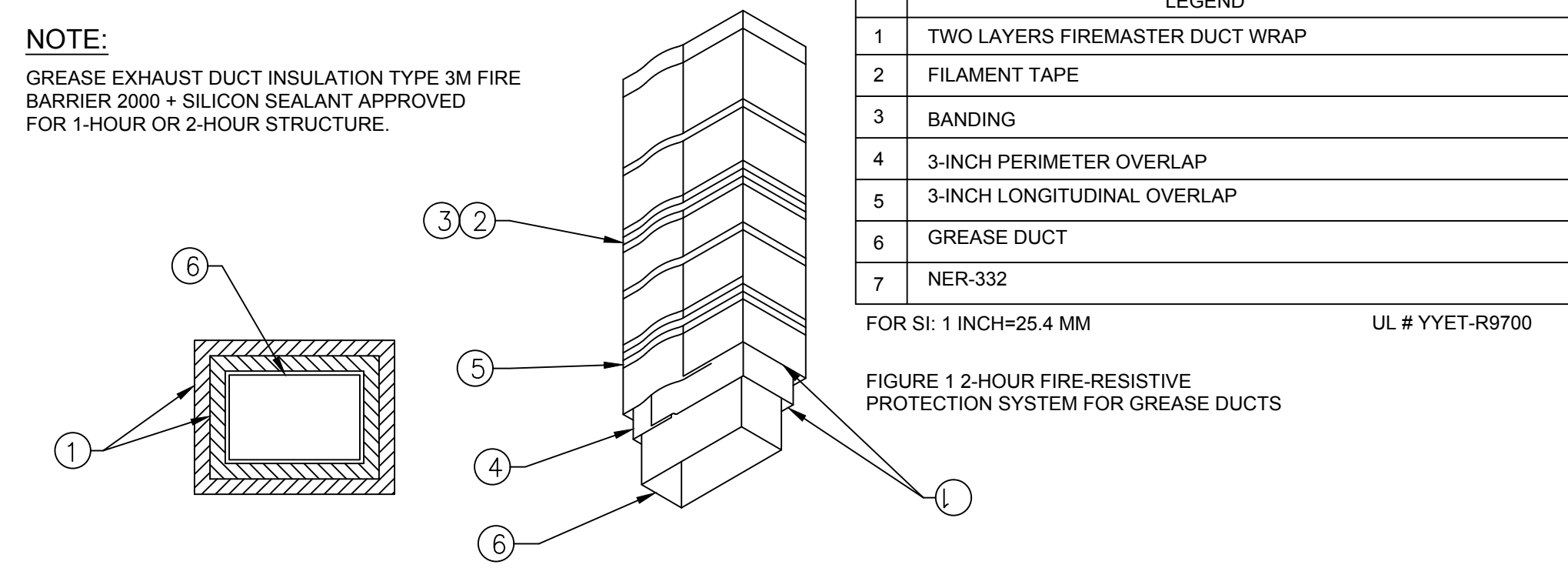
DETAIL OF CAULKING OF DUCT PIERCING WALLS & FLOORS

SCALE NONE 8



ROUND DUCT CONICAL TAP INSTALLATION DETAIL

SCALE NONE 7



3M-FIRE WRAP DETAIL & SPECIFICATION

SCALE NONE 6

APPROVALS

APPROVED BY	INITIALS	DATE
ISSUED FOR PLAN CHK	R.T.E.	DECEMBER 13, 2021

SHEET TITLE

HOOD EXHAUST, CALCULATION, HOOD AND MISCELLANEOUS DETAILS

SHEET NUMBER

M-4



PRINTED DATE: 12-13-2021
DRAWN BY: R.T.E.
CHECKED BY: R.T.E.
PROJECT NO.: EMA-34-21

CLIENT: DIAMOND AUTOMOTIVE CAFE
PROJECT NAME & ADDRESS: 55761 TWENTYNINE PALMS HWY YUCCA VALLEY, CA 92284

APPROVALS table with columns: APPROVED BY, INITIALS, DATE. Includes R.T.E. signature and date DECEMBER 13, 2021.

SHEET TITLE: TITLE-24 COMPLIANCE FORMS AND MANDATORY NOTES

SHEET NUMBER

MT-24-1

SCALE NONE 1

Mechanical Systems Form (Page 2 of 11). Includes project info, compliance certificates, and tables for Exceptional Conditions, Fan Systems, and System Controls.

Mechanical Systems Form (Page 5 of 11). Includes project info, compliance certificates, and tables for Terminal Box Controls, Distribution, and Cooling Towers.

Mechanical Systems Form (Page 9 of 11). Includes project info, compliance certificates, and a table for Declaration of Required Certificates of Verification.

Mechanical Systems Form (Page 2 of 11). Includes project info, compliance certificates, and tables for Exceptional Conditions, Fan Systems, and System Controls.

Mechanical Systems Form (Page 5 of 11). Includes project info, compliance certificates, and tables for Terminal Box Controls, Distribution, and Cooling Towers.

Mechanical Systems Form (Page 8 of 11). Includes project info, compliance certificates, and a table for Declaration of Required Certificates of Acceptance.

Mechanical Systems Form (Page 1 of 11). Includes project info, compliance certificates, and tables for General Information, Project Scope, and Compliance Results.

Mechanical Systems Form (Page 4 of 11). Includes project info, compliance certificates, and tables for Ventilation and Indoor Air Quality.

Mechanical Systems Form (Page 7 of 11). Includes project info, compliance certificates, and tables for Declaration of Required Certificates of Installation and Declaration of Required Certificates of Acceptance.

STATE OF CALIFORNIA
Mechanical Systems
 NRCC-MCH-E (Created 12/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: DIAMOND AUTOMOTIVE CAFE
 Project Address: 55761 TWENTY NINE PALMS HWY, YUCCA VALLEY, CA 92284
 Report Page: Page 10 of 11
 Date Prepared: AUGUST 15, 2021

01
 Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block: Yes
 Plan sheet or construction document location: M-1

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> December 2021

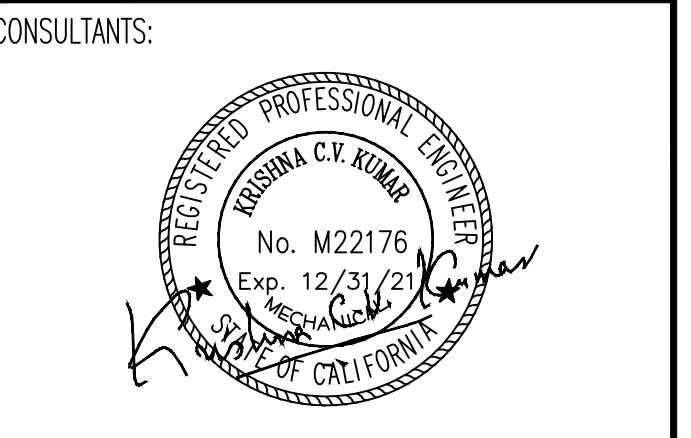
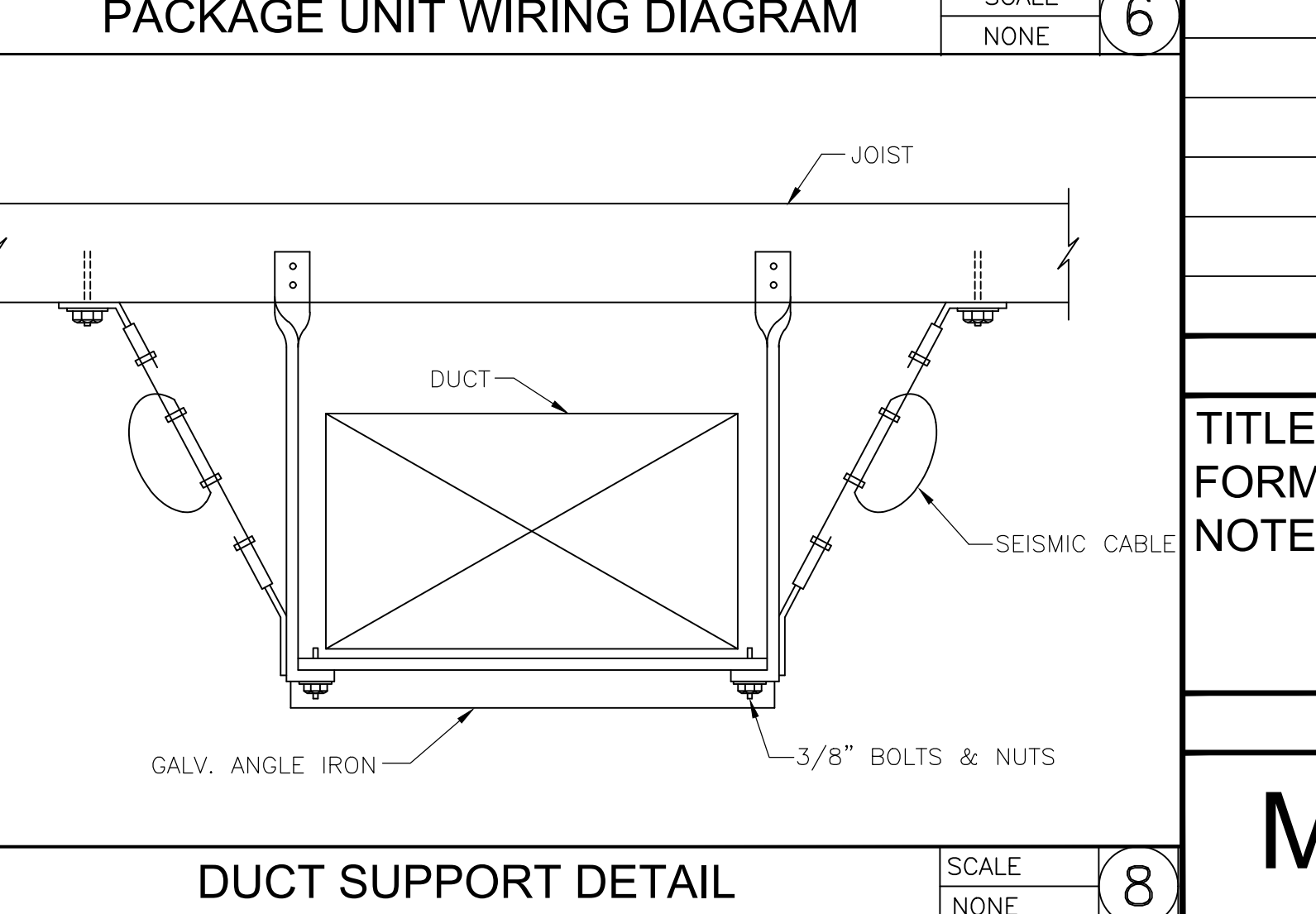
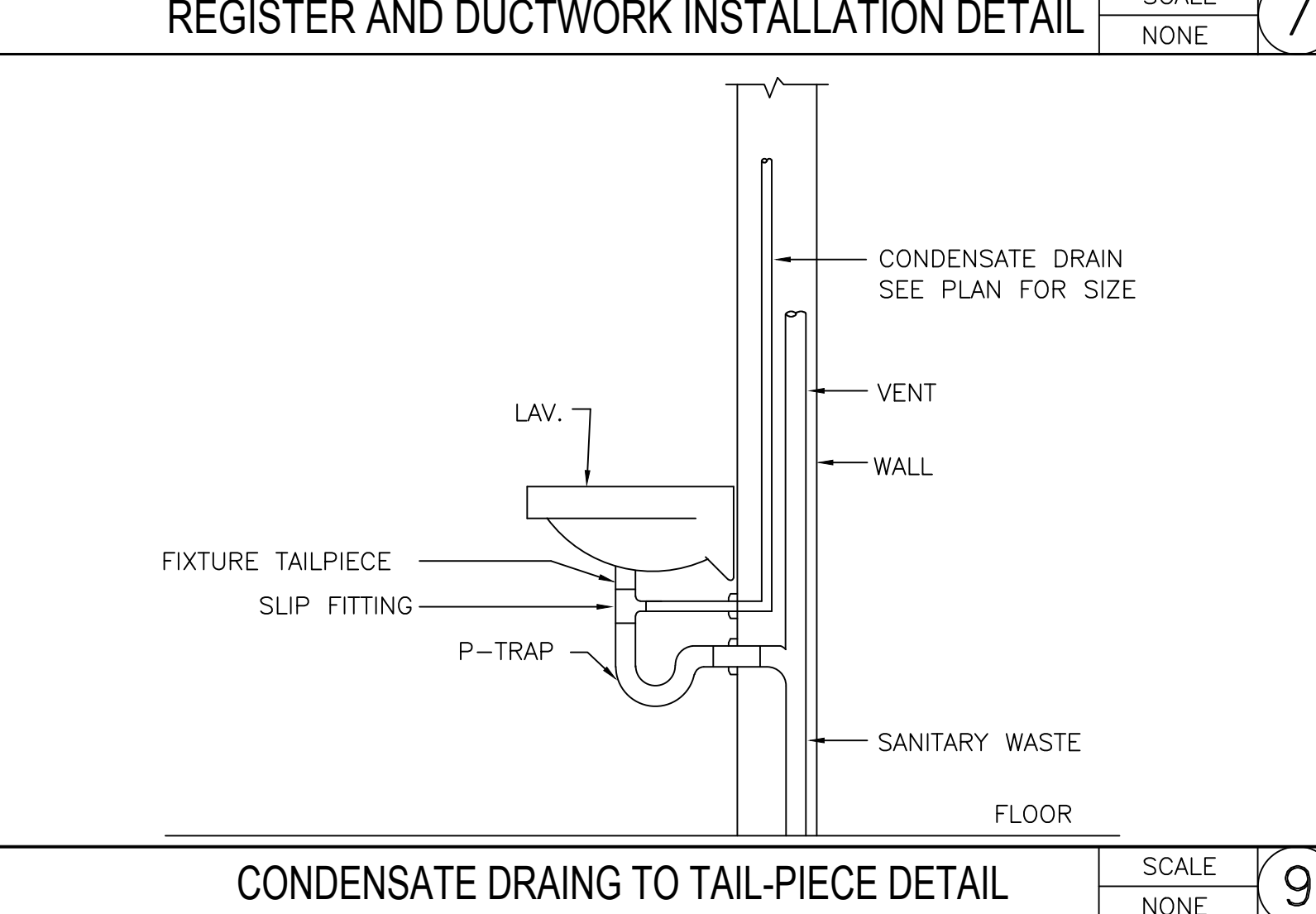
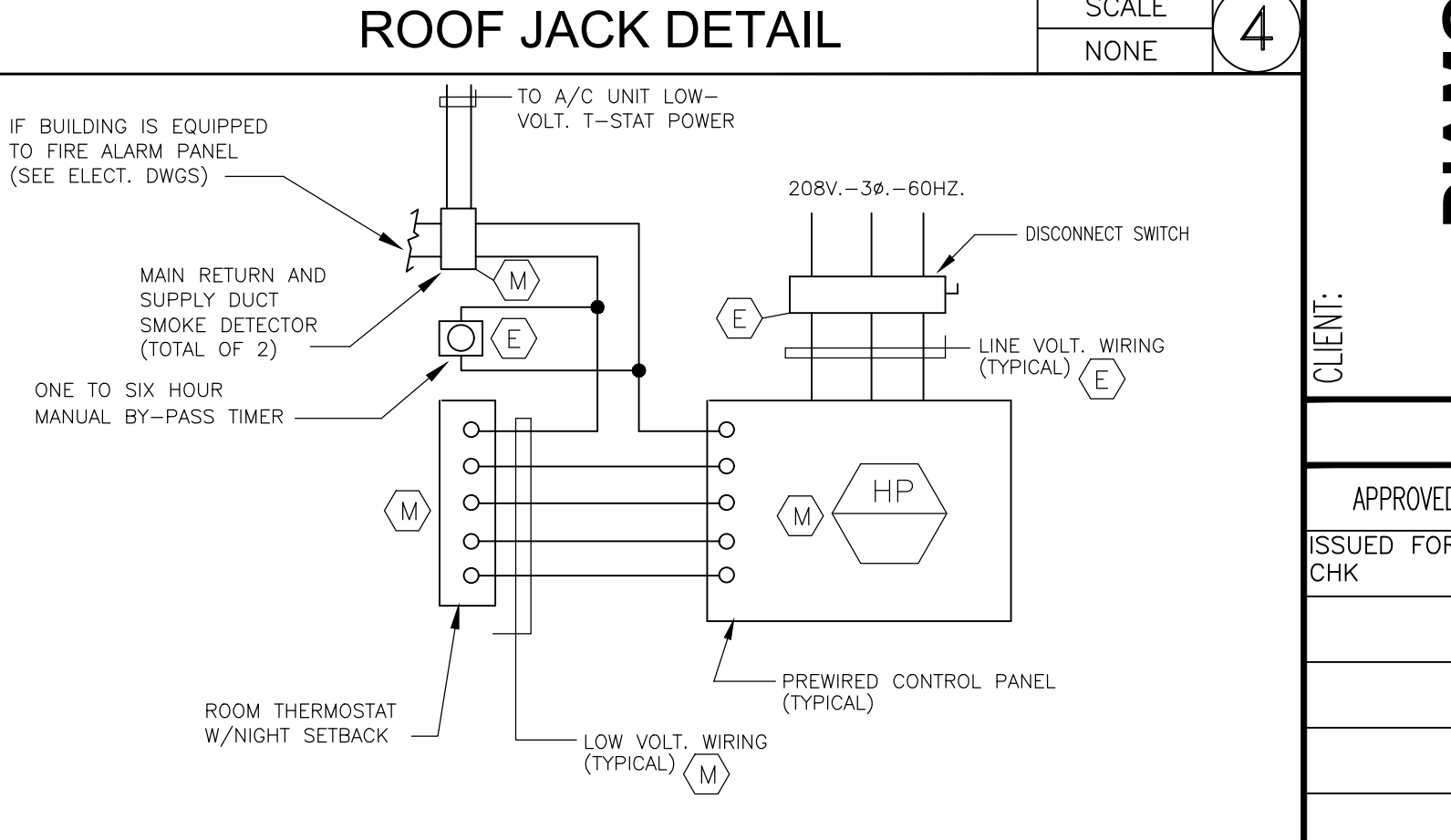
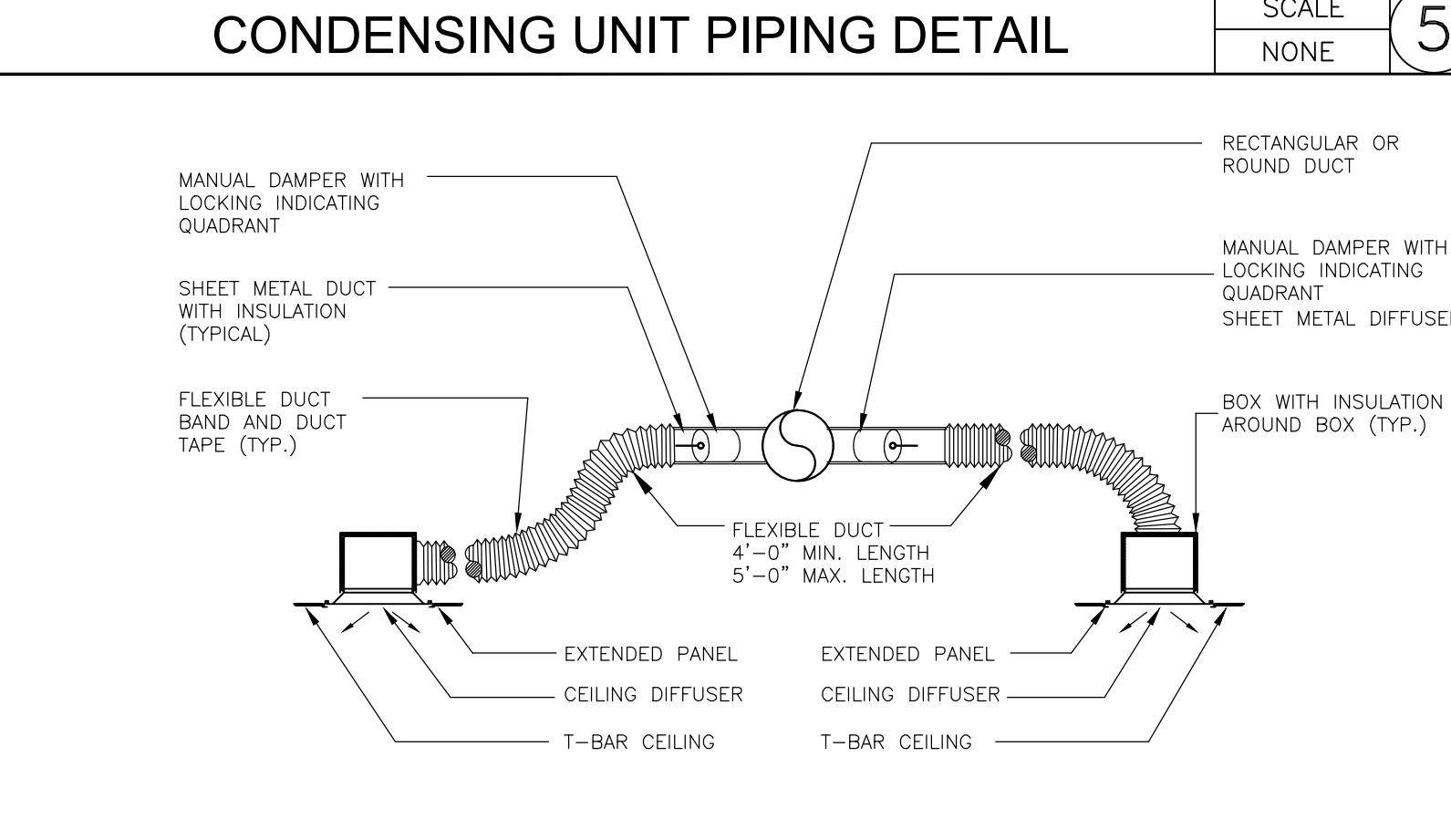
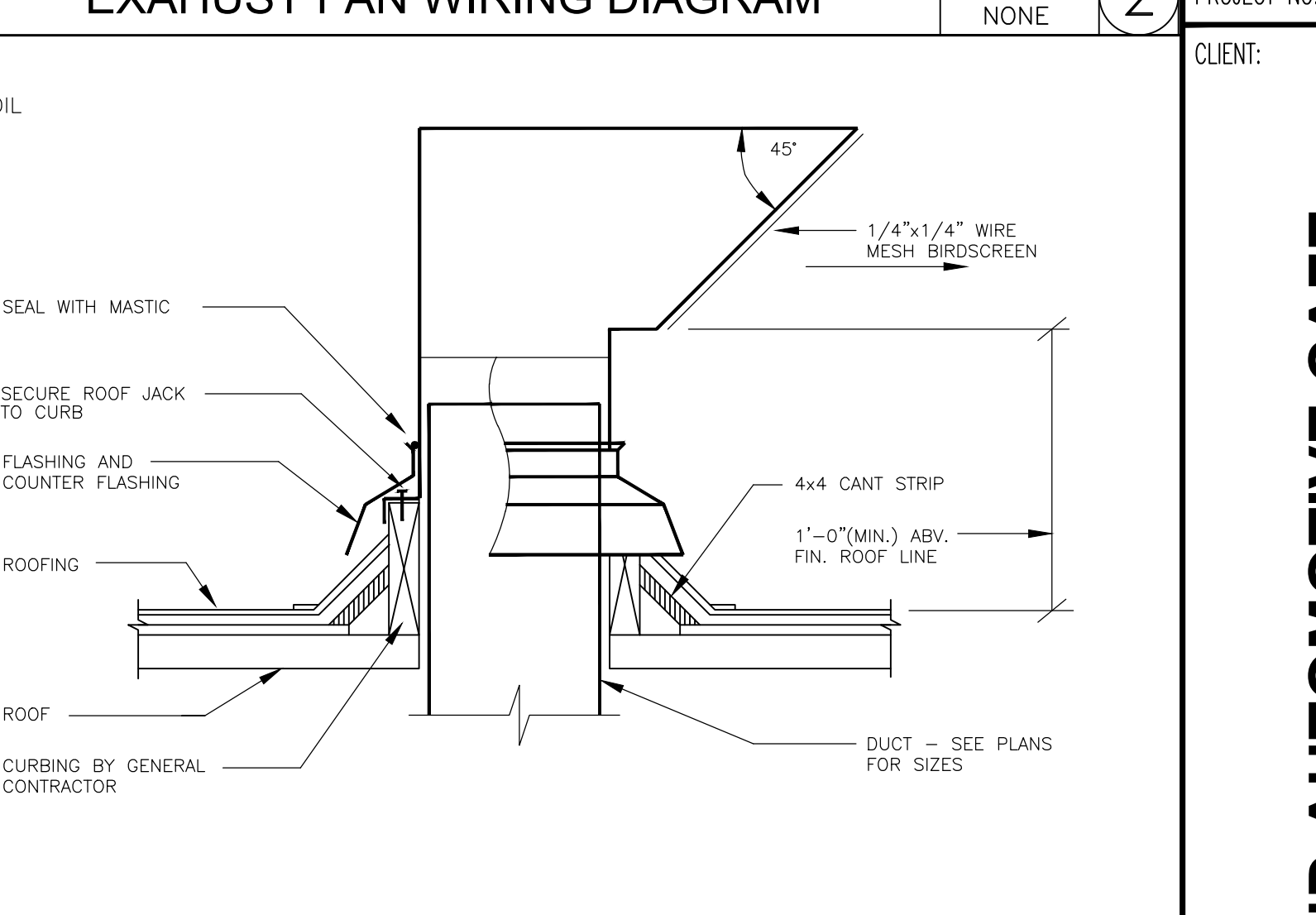
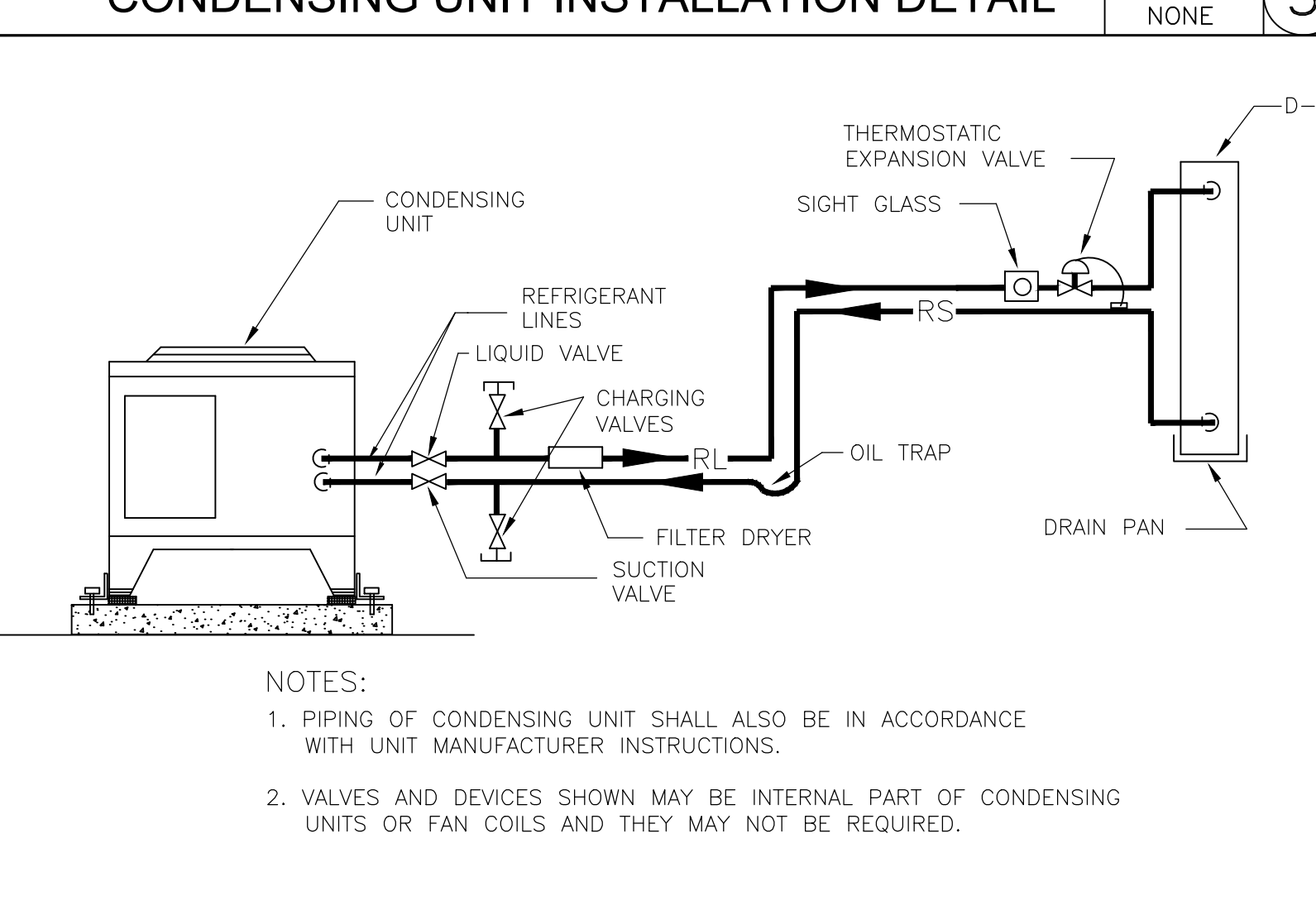
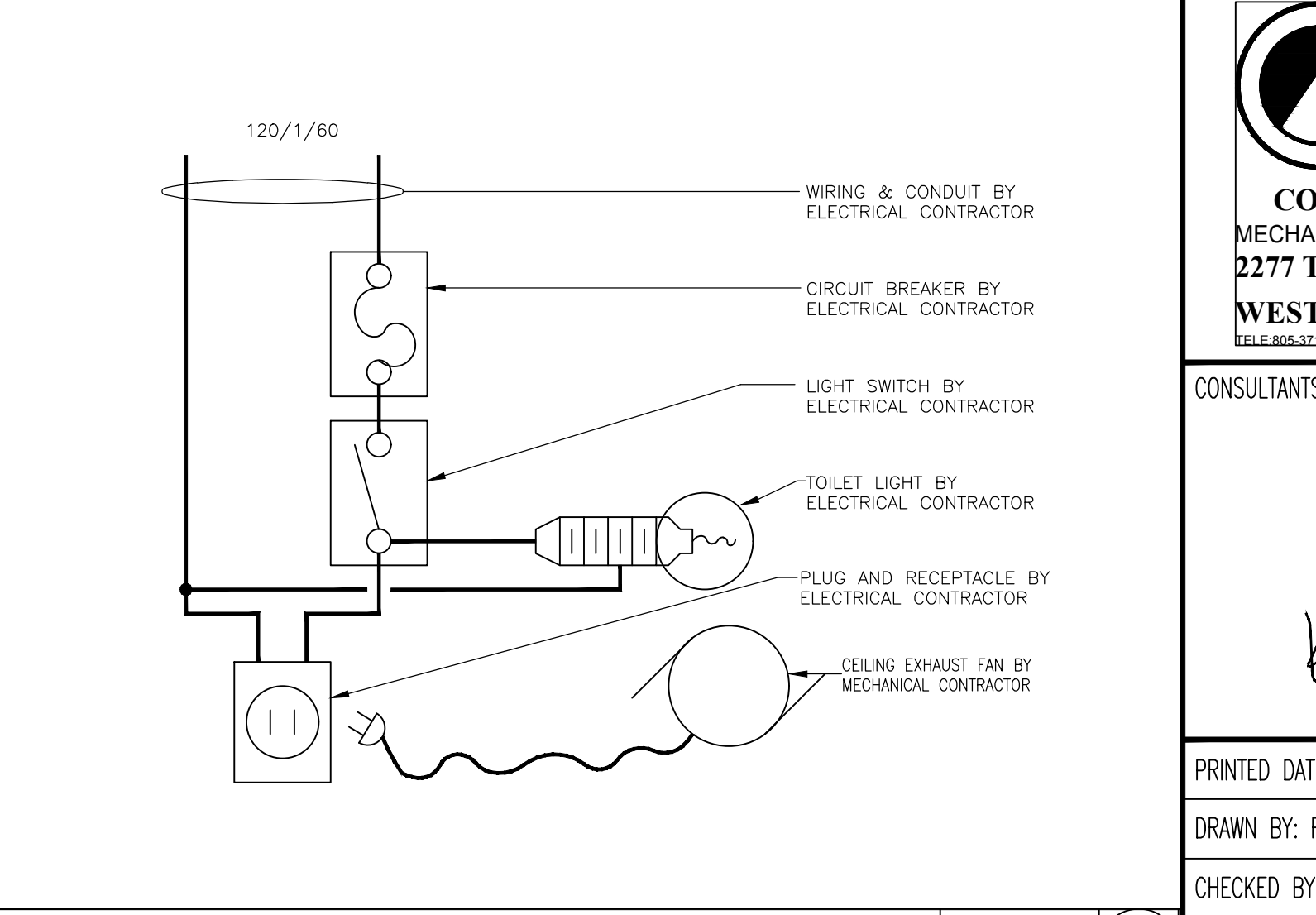
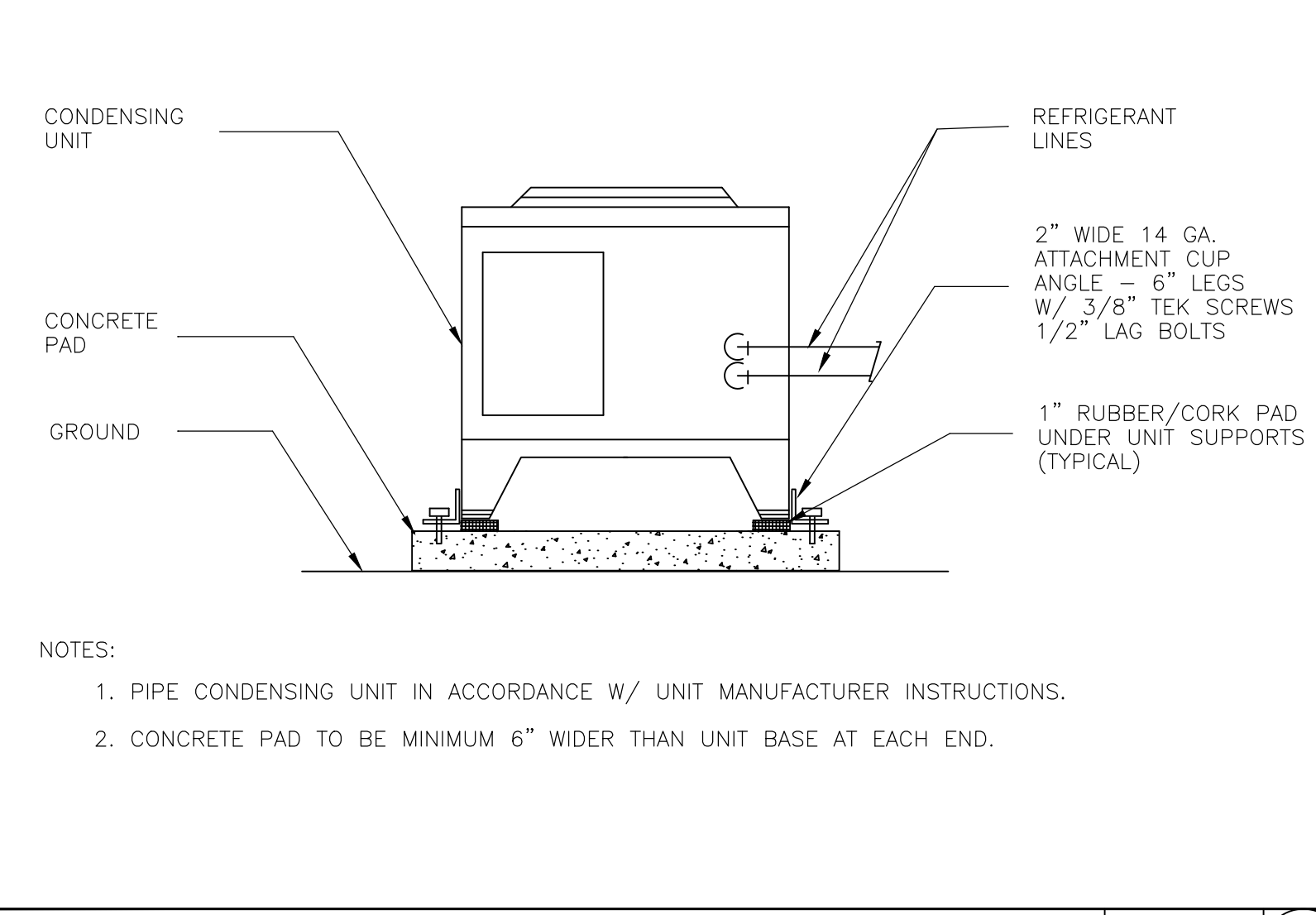
STATE OF CALIFORNIA
Mechanical Systems
 NRCC-MCH-E (Created 12/21)
 CERTIFICATE OF COMPLIANCE
 Project Name: DIAMOND AUTOMOTIVE CAFE
 Project Address: 55761 TWENTY NINE PALMS HWY, YUCCA VALLEY, CA 92284
 Report Page: Page 11 of 11
 Date Prepared: AUGUST 15, 2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 1. I certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: RASOUL T. EMRANI
 Documentation Author Signature: *Rasoul T. Emrani*
 Company: EMA CONSULTING ENGINEERS
 Address: 2277 TOWNSGATE RD., SUITE 216
 City/State/Zip: WESTLAKE VILLAGE, CA 91361
 Signature Date: DECEMBER 12, 2021
 CEA/HERS Certification Identification (if applicable):
 Phone: 805-371-7460

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: KRISHNA KUMAR
 Responsible Designer Signature: *Krishna C.V. Kumar*
 Company: EMA CONSULTING ENGINEERS
 Address: 2277 TOWNSGATE RD., SUITE 216
 City/State/Zip: WESTLAKE VILLAGE, CA 91361
 Date Signed: DECEMBER 12, 2021
 License: M-22176
 Phone: 805-371-7460

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> December 2021



PRINTED DATE: 12-13-2021
 DRAWN BY: R.T.E.
 CHECKED BY: R.T.E.
 PROJECT NO.: EMA-34-21

CLIENT:
DIAMOND AUTOMOTIVE CAFE
 PROJECT NAME & ADDRESS:
**55761 TWENTY NINE PALMS HWY
 YUCCA VALLEY, CA 92284**

APPROVALS

APPROVED BY	INITIALS	DATE
ISSUED FOR PLAN CHK	R.T.E.	DECEMBER 13, 2021

SHEET TITLE:
TITLE-24 COMPLIANCE FORMS AND MANDATORY NOTES AND DETAILS

SHEET NUMBER:
MT-24-1