

1 HVAC PLAN
SCALE: 1/4"=1'-0"

FIRE SUPPRESSION NOTES:

- INSPECTION: HOODS, GREASE REMOVAL DEVICES, FANS AND APPURTENANCES SHALL BE CLEANED AND INSPECTED AT INTERVALS AS LISTED IN LOCAL CODE.
- GREASE FILTERS: GREASE FILTERS SHALL BE CLASS 1 AS REQUIRED BY THE STATE FIRE MARSHAL AND LOCAL CODE.
- PORTABLE FIRE EXTINGUISHER: PORTABLE FIRE EXTINGUISHING EQUIPMENT SHALL BE PROVIDED AS SECONDARY PROTECTION AS REQUIRED BY LOCAL CODE.
- MANUAL ACTIVATION: MANUAL ACTIVATION DEVICE OF THE PRIMARY FIRE EXTINGUISHING SYSTEM SHALL BE PROVIDED IN COMPLIANCE WITH LOCAL CODE AND WITHIN DISTANCE AND HEIGHT AS INDICATED IN THAT LOCAL CODE.
- FUEL SHUT-OFF: PROVIDE FOR AUTOMATIC SHUT-OFF OF SOURCES OF FUEL AND ELECTRIC POWER TO COOKING EQUIPMENT UPON ACTIVATION OF THE FIRE SUPPRESSION SYSTEM AS REQUIRED BY LOCAL CODE.

HVAC KEYED NOTES: (#)

- PROVIDE AND INSTALL A CARBON DIOXIDE (CO2) MONITOR WITH ALARM NEAR CO2 STORAGE TANK FOR BEVERAGE SYSTEM. PROVIDE CO2 METER COM MODEL #RAD-0102 STORAGE SAFETY DUAL ALARM, OR EQUAL. CO2 MONITOR TO ACTIVATE ALARM UPON DETECTION OF CO2 DUE TO LEAK IN SYSTEM. INSTALL PER LOCAL CODE REQUIREMENTS. THE CARBON DIOXIDE SENSOR SHALL BE PROVIDED WITHIN 12 INCHES OF THE FLOOR IN THE AREA WHERE THE GAS IS EXPECTED TO ACCUMULATE OR OTHER APPROVED LOCATIONS. THE GAS DETECTION SYSTEM ACTIVATES AN AUDIBLE AND VISIBLE ALARM AT A DETECTION OF CARBON DIOXIDE CONCENTRATION OF 5000 PPM OR GREATER.
- A/C UNIT: PROVIDE AND INSTALL NEW ROOFTOP PACKAGE GAS/ELECTRIC A/C UNIT. SEE SCHEDULE ON SHEET M100 FOR MORE INFORMATION. UNIT SHALL BE PROVIDED WITH TWO SETS OF STANDARD FILTERS. TENANT CONTRACTOR TO PROVIDE DISTRIBUTION DUCTWORK. CONTRACTOR TO REPLACE FILTERS PRIOR TO OPENING OF STORE. FIELD COORDINATE EXACT LOCATION AND UNIT ORIENTATION PRIOR TO STARTING WORK.
- HOOD EXHAUST FAN: HOOD SUPPLIER SHALL PROVIDE AND THIS CONTRACTOR SHALL INSTALL NEW ROOFTOP UP-BLAST DIRECT DRIVE EXHAUST FAN. SEE FAN SCHEDULE ON SHEET M100, FOR ADDITIONAL INFORMATION. PROVIDE AND INSTALL TYPE I DUCTWORK PER PLAN. INSTALL CONTROL WIRE FOR CONTROLS AS REQUIRED. ELECTRICAL CONTRACTOR TO INSTALL CONDUIT FOR CONTROL WIRE. VERIFY AND COORDINATE POWER, CONTROL CONDUIT, AND DISCONNECT LOCATIONS WITH ELECTRICAL CONTRACTOR. START-UP, TEST, AND BALANCE FOR PROPER OPERATION.
- SMOKE DETECTOR: PROVIDE AND INSTALL 120V DUCT MOUNTED SMOKE DETECTOR IN THE SUPPLY AIR SYSTEM IN ACCORDANCE WITH LOCAL CODE. DETECTOR INSTALLATION SHALL COMPLY WITH UL 286A AND NFPA 72. INTERLOCK DETECTOR TO SHUT DOWN ALL AIR DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH LOCAL CODE UPON THE DETECTION OF SMOKE. PROVIDE AND INSTALL STROBE HORN WITH MANUAL RESET FOR SMOKE DETECTOR. FIELD COORDINATE WITH CONSTRUCTION MANAGER AND LOCAL CODE OFFICIAL FOR EXACT MOUNTING LOCATION OF STROBE HORN. PROVIDE A STROBE HORN FOR EACH UNIT. MOUNT MANUAL RESET SWITCH FOR DETECTOR BELOW SENSOR FOR UNIT.
- THERMOSTAT: PROVIDE AND INSTALL 7 DAY PROGRAMMABLE THERMOSTAT WITH REMOTE SENSOR CAPABILITY AT MANAGER'S DESK. MOUNT THERMOSTAT 48" A.F.F. COORDINATE EXACT LOCATION WITH OWNER.
- REMOTE SENSOR: PROVIDE AND INSTALL REMOTE SENSOR FOR THERMOSTAT IN THIS LOCATION. MOUNT THERMOSTAT 60" A.F.F. COORDINATE EXACT LOCATION WITH OWNER.
- AIR DISTRIBUTION SYSTEM: PROVIDE AND INSTALL AIR DISTRIBUTION DUCT, DIFFUSERS, REGISTERS, GRILLES PER PLAN. SEE SHEET M100 FOR AIR DISTRIBUTION SCHEDULE. PROVIDE FLEXIBLE TAIL PIECE AND MANUAL VOLUME DAMPER AT EACH DIFFUSER FOR AIR BALANCE.
- ROUTE 3"Ø WATER HEATER INTAKE AND VENT FLUE UP THROUGH ROOF.
- RESTROOM AND MOP SINK EXHAUST FAN: TRANSITION 12"Ø EXHAUST DUCT THROUGH ROOF TO ROOFTOP EXHAUST FAN. SEE SHEET M210. FIELD COORDINATE EXACT LOCATION AND REQUIREMENTS.
- PROVIDE 1" DOOR UNDERCUT.
- EXHAUST HOOD: HOOD SUPPLIER SHALL PROVIDE AND THIS CONTRACTOR SHALL INSTALL TYPE I EXHAUST HOOD. INSTALL STAINLESS STEEL WRAPPER PANELS AT TOP PERIMETER OF HOOD TO ABOVE T-BAR CEILING. SUPPORT HOOD AND DUCT PER MANUFACTURER'S INSTRUCTIONS. PROVIDE AND INSTALL TRANSITION FROM HOOD CONNECTION TO TYPE I DUCT.
- GREASE DUCT: HOOD SUPPLIER SHALL PROVIDE AND THIS CONTRACTOR SHALL INSTALL TYPE I DOUBLE WALL MANUFACTURED GREASE DUCT IN ACCORDANCE WITH LOCAL CODE SIZE DUCT PER PLAN. SEE HOOD DRAWINGS FOR DUCTWORK SPECIFICATION AND DETAILS. SLOPE GREASE DUCT AT 1/4 INCH PER FOOT TO THE HOOD OR APPROVED GREASE COLLECTION RESERVOIR IN ACCORDANCE WITH LOCAL CODE. WHERE HORIZONTAL DUCTS EXCEED 75 FT. SLOPE DUCT AT 1" INCH PER FT.
- FIRE SUPPRESSION SYSTEM: ANSUL R-102 FIRE SUPPRESSION SYSTEM FOR TYPE I KITCHEN HOOD. SYSTEM SHALL BE INCLUDED WITH HOOD FROM HOOD SUPPLIER. SYSTEM TO INCLUDE ANSUL REGULATED RELEASE ASSEMBLY W/ WET CHEMICAL STORAGE TANK, WET CHEMICAL AGENT DISTRIBUTION PIPING, GAS SOLENOID VALVE, AND PULL STATION ASSEMBLY. TYPE I HOOD COMES PRE-PIPED WITH ANSUL DISCHARGE NOZZLES. COORDINATE INSTALLATION WITH ELECTRICAL AND PLUMBING CONTRACTORS. LOCATE GAS SOLENOID VALVE PER GAS PIPING PLANS. VERIFY EXACT LOCATIONS WITH OWNER. SYSTEM SHALL BE U.L. LISTED AND BE U.L. 300 COMPLIANT.
- FIRE SUPPRESSION PULL STATION: PROVIDE AND INSTALL ANSUL R-102 PULL STATION FOR MANUAL ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM. LOCATE IN READILY ACCESSIBLE LOCATION IN PATH OF EGRESS.
- DOAS UNIT: HOOD EQUIPMENT SUPPLIER SHALL PROVIDE AND THIS CONTRACTOR SHALL INSTALL WHERE SHOWN ON PLANS A ROOF MOUNTED MAKE UP AIR UNIT (DOAS-1). SEE SCHEDULE ON SHEET M100 FOR MORE INFORMATION.
- NOT USED.
- TEMPERATURE SENSOR PROVIDED BY HOOD SUPPLIER. INSTALL PER HOOD SUPPLIER REQUIREMENTS IN LOCATION SHOWN.
- INTERLOCK: ELECTRICALLY INTERLOCK SUPPLY FANS OF ROOFTOP UNIT (RTU-1), DOAS UNIT (DOAS-1) AND EXHAUST FAN (EF-2) FOR SIMULTANEOUS OPERATION TO PROVIDE MAKE UP AIR TO HOOD. WHEN EQUIPMENT UNDER HOOD IS INITIALIZED, SUPPLY FANS AND EXHAUST FAN SHALL COME ON AND GO INTO OCCUPIED MODE. COORDINATE INTERLOCK WORK WITH ELECTRICAL CONTRACTOR. LOCATE INTERLOCK ON/OFF SWITCH NEAR HOOD PER OWNER. SUPPLY FANS TO RUN CONTINUOUSLY DURING OCCUPIED HOURS TO MAINTAIN BALANCE. HEATING COOLING SECTION SHALL OPERATE BASED UPON SET POINT OF THERMOSTAT.
- ACCESS PANELS: PROVIDE AND INSTALL APPROVED PROTECTED ACCESS PANELS IN TYPE I GREASE DUCT IN ACCORDANCE WITH LOCAL CODE AT EACH CHANGE IN DIRECTIONS OF THE DUCT.
- GREASE DUCT EXHAUST TERMINATION: TERMINATE GREASE DUCT EXHAUST AIR DUCT UP THRU ROOF IN ACCORDANCE WITH LOCAL CODE. TERMINATE OUTLET A MINIMUM 10 FT. FROM PROPERTY LINES AND OPERABLE OPENINGS INTO THE BUILDING AND 10 FT. AWAY FROM MECHANICAL AIR INTAKES.

MECHANICAL PLAN NOTES:

- COORDINATE ROOF PENETRATIONS WITH THE ROOFING CONTRACTOR (IF REQUIRED). PROVIDE AND PAY FOR ANY REQUIRED ROOFING BY ROOFING CONTRACTOR.
- REFER TO ARCHITECTURAL PLANS AND KITCHEN VENDOR DRAWINGS FOR DIMENSIONAL INFORMATION.
- A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.
- AN OPERATION & SYSTEMS MANUAL SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND TO THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION.
- AN AIR FILTER WITH A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8 OR HIGHER SHALL BE INSTALLED IN THE MECHANICAL SYSTEM FOR OUTSIDE AND RETURN AIR PRIOR TO OCCUPANCY.
- THE HVAC REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC OR HALONS.

NOTICE OF NON RESPONSIBILITY -
ALL DRAWINGS AND SPECIFICATIONS ARE FURNISHED ONLY AS A GUIDE TO THE ARCHITECT AND OWNER WITH EQUIPMENT INSTALLATION AND OPERATING REQUIREMENTS. USE OF DRAWINGS FOR STRUCTURAL OR ARCHITECTURAL PURPOSES IS NOT AUTHORIZED. USE OF DRAWINGS AND SPECIFICATIONS IS ALSO SUBJECT TO APPLICABLE ORDINANCES AND COMPLIANCE THEREWITH IS THE RESPONSIBILITY OF THE ARCHITECT AND OWNER. ALL DRAWINGS AND SPECIFICATIONS ARE SUBMITTED UPON THE UNDERSTANDING THAT NO RESPONSIBILITY IS ASSUMED BY DAVE'S HOT CHICKEN, INC. WITH RESPECT THERETO.



07/18/25

PROJECT #: 25-157
DRAWN BY: MW CHECKED BY: MP

REVISIONS

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| 06/11/25 - DESIGN DEVELOPMENT SET |
| 07/16/25 - CHECK SET |
| 07/18/25 - PERMIT SET |
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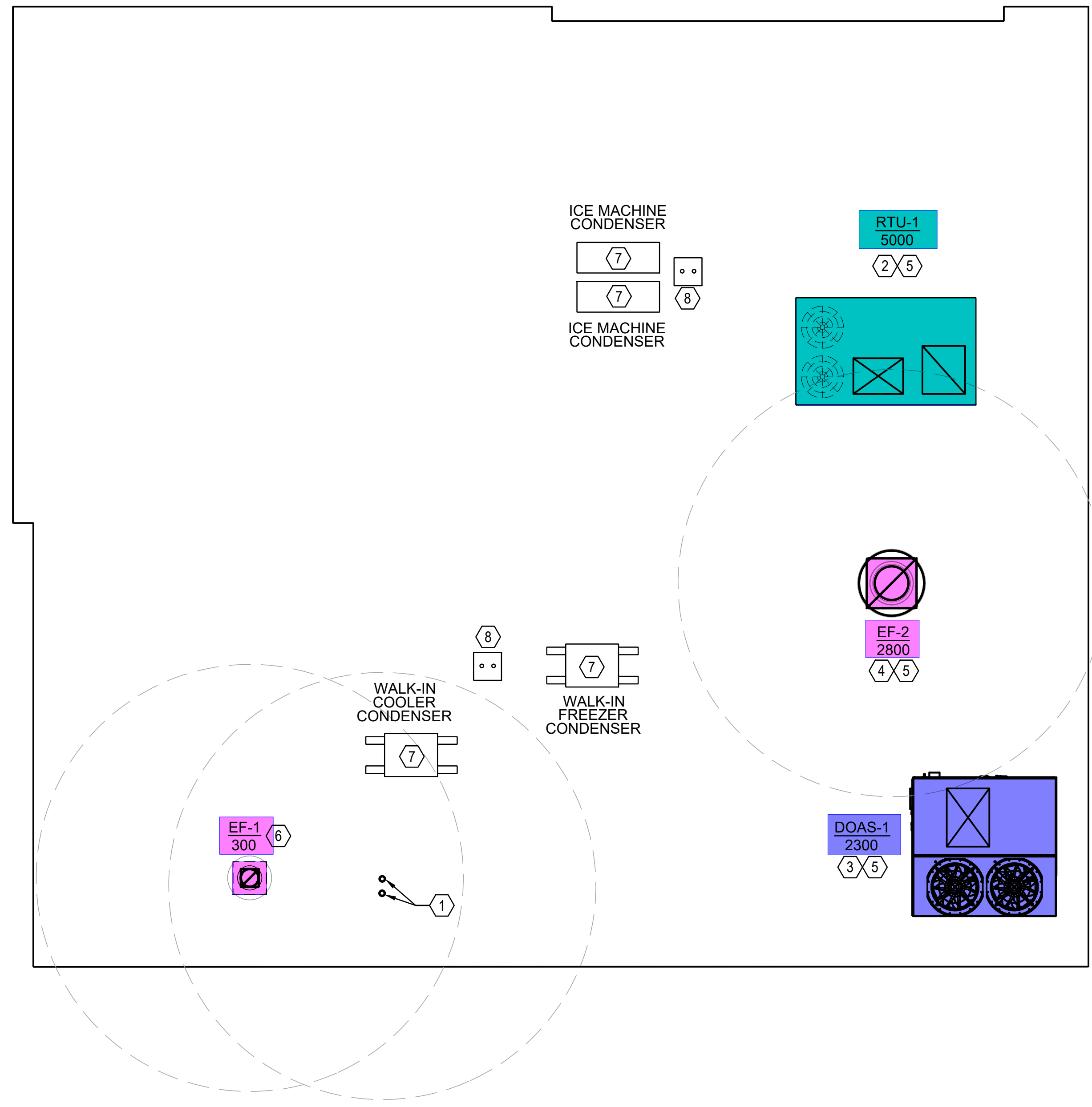
DAVE'S HOT CHICKEN

STORE# ---

ADDRESS
1650 E MONTE VISTA AVE, SUITE 103, VACAVILLE, CA 95688

SHEET TITLE
MECHANICAL FLOOR PLAN

SHEET NUMBER:
M200

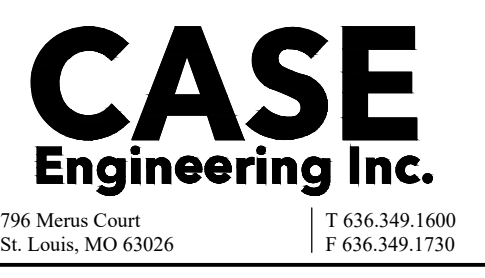


1 HVAC ROOF PLAN
SCALE: 1/4"=1'-0"

HVAC KEYED NOTES:

1. WATER HEATER CONCENTRIC VENT BY PLUMBING CONTRACTOR. FIELD VERIFY EXACT LOCATION.
2. A/C UNIT: PROVIDE AND INSTALL NEW ROOFTOP PACKAGE GAS/ELECTRIC A/C UNIT. SEE DETAILS ON M300 FOR INSTALLATION INFORMATION. SEE EQUIPMENT SCHEDULE ON SHEET M100 FOR ADDITIONAL INFORMATION. UNIT TO BE COMPLETE AND FUNCTIONING PRIOR TO TURNING OVER. FIELD VERIFY EXACT LOCATION AND REQUIREMENTS PRIOR TO STARTING WORK.
3. DOAS UNIT: HOOD EQUIPMENT SUPPLIER SHALL PROVIDE AND HVAC CONTRACTOR SHALL INSTALL WHERE SHOWN ON PLANS A ROOF MOUNTED DOAS UNIT (DOAS-1). SEE SCHEDULE ON SHEET M100 FOR MORE INFORMATION. FIELD COORDINATE EXACT LOCATION WITH STRUCTURE. UNIT TO BE INSTALLED ON FACTORY CURB REF DETAIL ON M300. UNIT SHALL INCLUDE AN AUTOMATIC BACK DRAFT DAMPER. FAN AND HOUSING SHALL BE OF ALUMINUM CONSTRUCTION WITH A NON-OVERLOADING FAN WHEEL. UNIT SHALL BE DIRECT DRIVE WITH DRIVES SIZED FOR 125% OF RATED CAPACITY. MOUNTING OF ROOF CURB SHALL BE BY THE THIS CONTRACTOR WITH ALL ROOF CUTTING, FLASHING, ETC. TO BE DONE BY THE ROOFING CONTRACTOR.
4. ROOFTOP EXHAUST FAN: PROVIDE AND INSTALL NEW ROOFTOP UP-BLAST BELT DRIVE EXHAUST FAN ON FACTORY CURB REF DETAIL ON M300. SEE FAN SCHEDULE ON SHEET M100 FOR ADDITIONAL INFORMATION. VERIFY PITCH OF ROOF AND LEVEL CURB FOR PROPER OPERATION. FIELD COORDINATE EXACT LOCATION WITH STRUCTURE. PROVIDE AND INSTALL GREASE DUCTWORK PER PLAN. INSTALL CONTROL WIRE FOR CONTROLS AS REQUIRED. ELECTRICAL CONTRACTOR TO INSTALL CONDUIT FOR CONTROL WIRE. VERIFY AND COORDINATE POWER CONTROL CONDUIT, AND DISCONNECT LOCATIONS WITH ELECTRICAL CONTRACTOR START-UP, TEST, AND BALANCE FOR PROPER OPERATION.
5. SUPPLY AIR INTERLOCK: ELECTRICALLY INTERLOCK SUPPLY FANS OF RTU (RTU-1), DOAS UNIT (DOAS-1) AND EXHAUST FANS (EF-1/2) FOR SIMULTANEOUS OPERATION TO PROVIDE MAKEUP AIR FOR HOOD IN ACCORDANCE WITH LOCAL CODES. COORDINATE INTERLOCK WORK WITH ELECTRICAL CONTRACTOR. LOCATE INTERLOCK ON/OFF SWITCH NEAR HOOD PER OWNER.
6. RESTROOM EXHAUST FAN: PROVIDE AND INSTALL ROOFTOP RESTROOM EXHAUST FAN WITH FAN SPEED CONTROL REF DETAIL ON M300 AND IN ACCORDANCE WITH LOCAL CODES. EXHAUST FAN TO RUN CONTINUOUSLY DURING OPERATING HOURS. FIELD COORDINATE EXACT LOCATION AND REQUIREMENTS. TERMINATE OUTLET A MINIMUM 3 FT. FROM PROPERTY LINES AND OPERABLE OPENINGS INTO THE BUILDING AND 10 FT. AWAY FROM MECHANICAL AIR INTAKES.
7. REMOTE REFRIGERATION CONDENSER: INSTALL OWNER PROVIDED REMOTE REFRIGERATION CONDENSER PER MANUFACTURER'S INSTRUCTIONS. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION. PROVIDE REFRIGERATION LINE-SETS, PLATFORM, AND CONTROLS AS REQUIRED. ELECTRICAL CONTRACTOR TO INSTALL CONDUIT FOR CONTROL WIRE. VERIFY AND COORDINATE POWER, CONTROL CONDUIT, AND DISCONNECT LOCATIONS WITH ELECTRICAL CONTRACTOR. START-UP, TEST AND BALANCE FOR PROPER OPERATION. SEE DETAILS ON SHEET M300.
8. REFRIGERANT LINES: PROVIDE AND INSTALL NEW DX REFRIGERATION LINE-SETS FOR WALK-IN COOLER / FREEZER AND ICE MACHINE. LINES SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS VERIFY INSTALLATION OF VAPOR LINE ACCESSORIES (SHUT-OFF VALVE, ACCESS PORT, SUCTION LIE FILTER, FROSTAT) AND LIQUID LINE ACCESSORIES (SHUT-OFF VALVE, FILTER DRIER, ACCESS PORT, SOLENOID VALVE, MOISTURE AND LIQUID INDICATOR AND THERMOSTATIC EXPANSION VALVE). PROVIDE AND INSTALL ALL MANUFACTURER RECOMMENDED COMPONENTS. INSULATE VAPOR LINE IN 1" THICK ELASTOMERIC INSULATION (RUBATEX OR EQUIV.) SECURE REFRIGERANT LINES TO AVOID VIBRATION SEE DETAILS ON SHEET M300.

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DAVE'S HOT CHICKEN

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ADDRESS
1650 E MONTE VISTA AVE, SUITE 103, VACAVILLE, CA 95688

SHEET TITLE
MECHANICAL ROOF PLAN

SHEET NUMBER:
M210