

PROJECT NUMBER	CAV004
DATE	07/17/2024
ISSUED	07/17/2024
BY SET	
REVISION SET	02/02/2024
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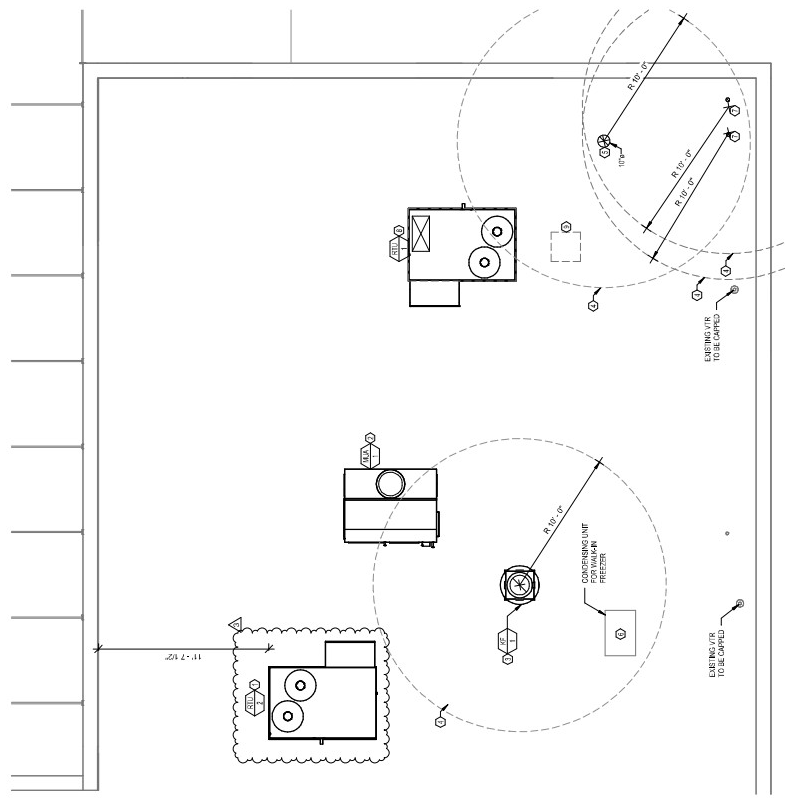
GENERAL NOTES

1. ALL ROOF OF EQUIPMENT LOCATIONS SHALL BE COORDINATED WITH THE INSTALLING CONTRACTOR. ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT LOCATIONS OF EQUIPMENT.
2. THE INSTALLING CONTRACTOR SHALL PROVIDE ROOF CUTTING, INCLUDING THE REMOVAL OF ALL EXISTING STRUCTURAL TRUSSES, PROVIDE FACT ROOF CURBS AT ALL LOCATIONS THROUGH THE ROOF.
3. ALL CURBS SHALL BE A MINIMUM OF 10" AWAY FROM THE ROOF EDGE.
4. ACCESS TO MECHANICAL APPARATUS INSTALLED IN UNDER FLOOR AREAS IN ATTIC SPACES, AND ON ROOF, SHALL BE PERFORMED BY THE RECORDING CONTRACTOR.
5. ALL CURBS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.
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KEYED NOTES

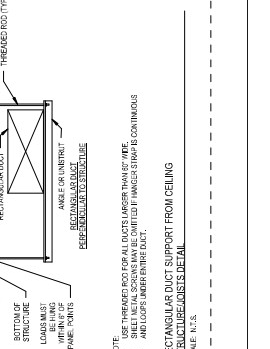
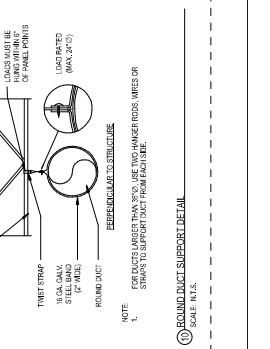
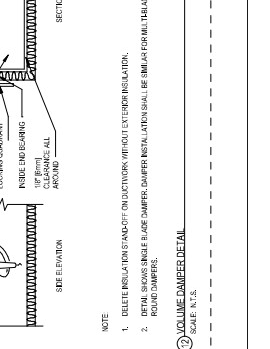
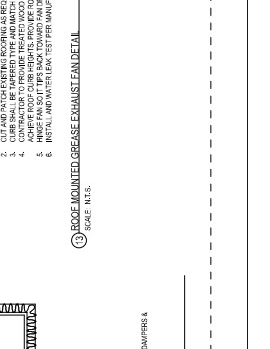
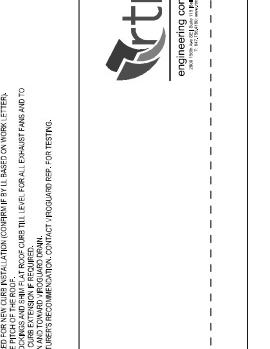
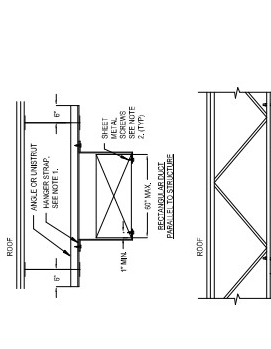
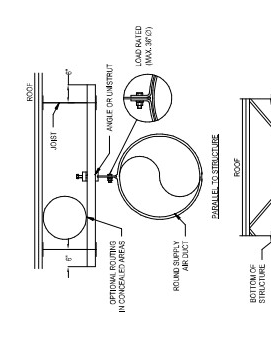
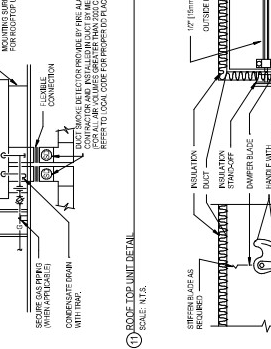
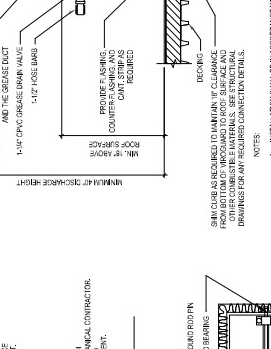
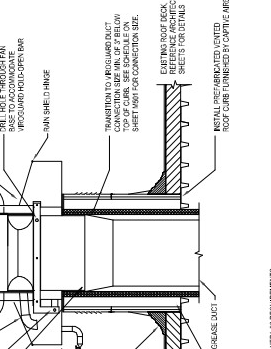
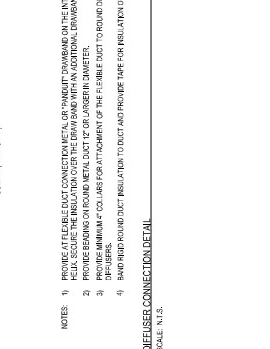
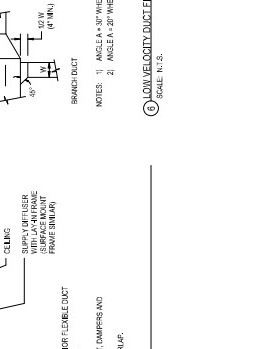
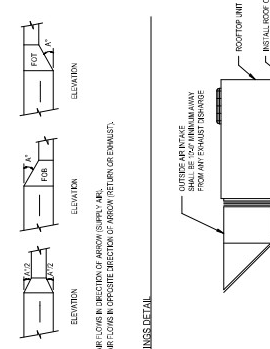
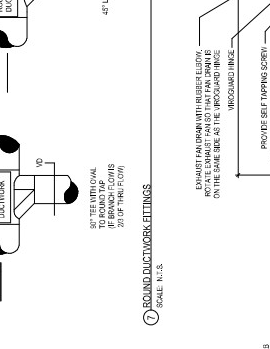
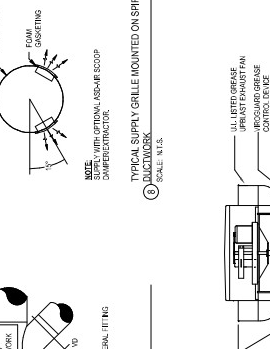
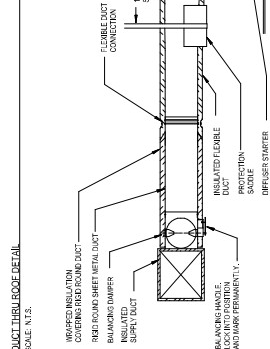
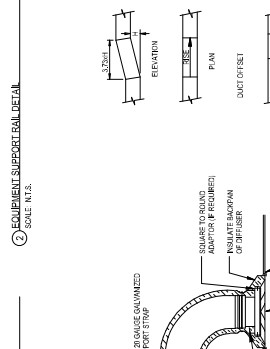
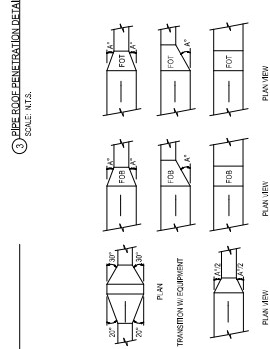
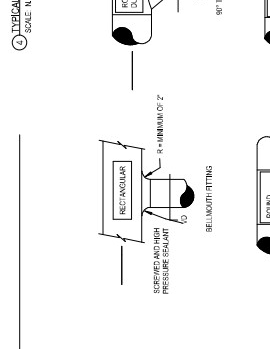
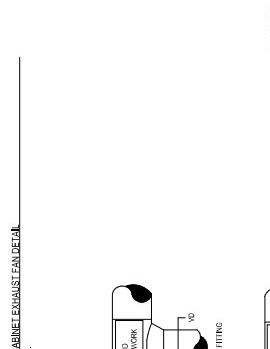
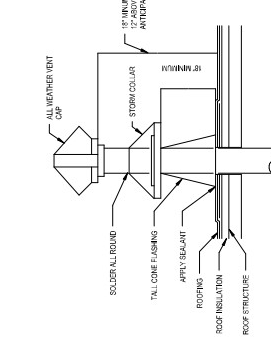
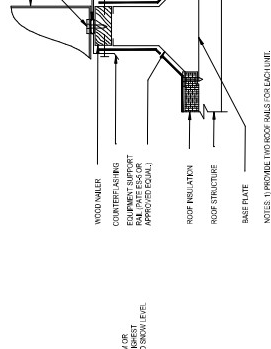
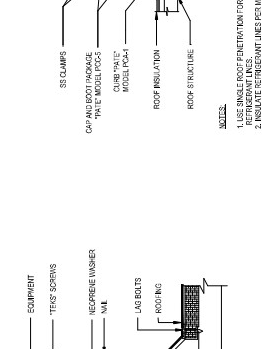
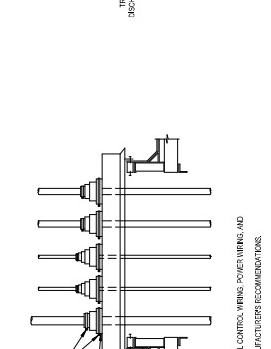
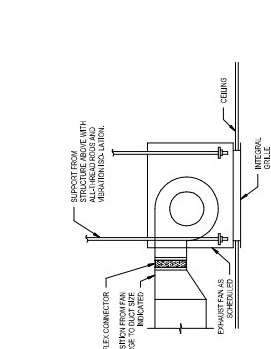
1. INSTALL LOWER TERMINUS OF THE AIR HANDLING CURB, COORDINATE WITH STRUCTURAL, MECHANICAL AND ELECTRICAL CONTRACTORS TO PROVIDE Airtight Connections.
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EQUIPMENT CLEARANCE NOTE
 VERTICAL CLEARANCE SHALL BE MAINTAINED TO THE OUTDOOR AIR INTAKE AND EXHAUST CURBS. THE MINIMUM CLEARANCE SHALL BE MAINTAINED TO THE OUTDOOR AIR INTAKE AND EXHAUST CURBS WITH A MINIMUM OF 12" CLEARANCE TO THE CURB. THE MINIMUM CLEARANCE SHALL BE MAINTAINED TO THE OUTDOOR AIR INTAKE AND EXHAUST CURBS WITH A MINIMUM OF 12" CLEARANCE TO THE CURB.



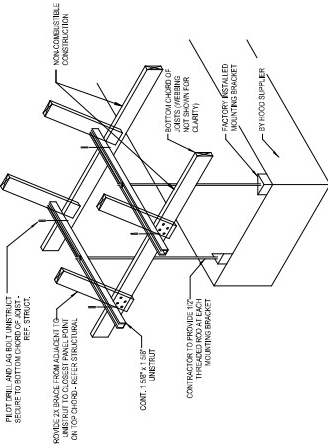
MECHANICAL ROOF PLAN
 SCALE: 1/4" = 1'-0"

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FOR PROJECT NUMBER:	CAV404
DATE:	07/17/2024
ISSUED:	07/17/2024
REVISED:	07/17/2024
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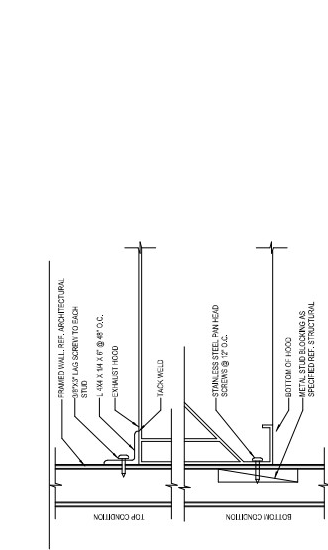
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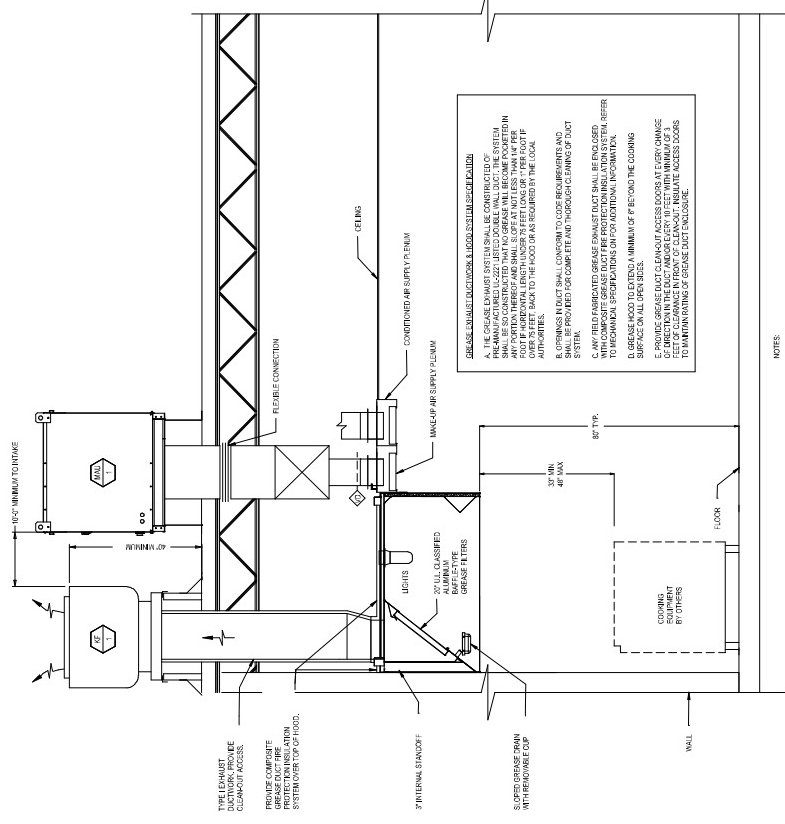
① TYPICAL HOOD SUPPORT AT TRUSS
SCALE: N.T.S.

- REQUIREMENTS FOR NON-COMBUSTIBLE HOODS:
1. HOODS SHALL BE PROVIDED WITH A COLLECTING PAN WHICH IS EASILY ACCESSIBLE FOR CLEANING.
 2. WHEN GUTTERS ARE PROVIDED THEY SHALL DRAIN TO A COLLECTING PAN WHICH IS EASILY ACCESSIBLE FOR CLEANING.
 3. SEAMLESS JOINTS FOR MINIMUM DISTANCE BETWEEN LOWER EDGE OF GREASE FILTER AND THE COOKING OR HEATING SURFACE.
 4. ALL JOINTS AND SEAMS SHALL BE GRESSE TIGHT.
 5. ALL JOINTS AND SEAMS SHALL BE GRESSE TIGHT.
 6. HOODS SHALL BE SECURELY FASTENED IN PLACE BY INDEPENDENT SUPPORTS.

- NOTES:
1. PROVIDE ADDITIONAL CLEANOUT OPENINGS FOR THOROUGH CLEANING OF DUCT SYSTEM.
 2. PROVIDE ADDITIONAL CLEANOUT OPENINGS FOR PROPER PREVENTION.
 3. PROVIDE ADDITIONAL CLEANOUT OPENINGS FOR PROPER PREVENTION.
 4. DUCT AREA AT: 1/2\"/>
 5. SUPPORT THE DUCTS AS REQUIRED AND PROVIDE DUCT WALLS WITH SPOKES, NAILS, ETC. OVER 4 SQ. FT.
 6. SUPPORT THE DUCTS AS REQUIRED AND PROVIDE DUCT WALLS WITH SPOKES, NAILS, ETC. OVER 4 SQ. FT.
 7. SUPPORT THE DUCTS AS REQUIRED AND PROVIDE DUCT WALLS WITH SPOKES, NAILS, ETC. OVER 4 SQ. FT.



① TYPICAL HOOD CLEARED AT WALL
SCALE: N.T.S.



- NOTES:
1. PROVIDE U-LISTED TYPE 1 EXHAUST HOOD.
 2. THE GREASE HOOD SHALL MEET THE REQUIREMENTS OF THE MECHANICAL CODE.
 3. THE GREASE HOOD SHALL BE PROVIDED WITH A COLLECTING PAN WHICH IS EASILY ACCESSIBLE FOR CLEANING.
 4. PROVIDE ADDITIONAL CLEANOUT OPENINGS FOR THOROUGH CLEANING OF DUCT SYSTEM.
 5. PROVIDE ADDITIONAL CLEANOUT OPENINGS FOR PROPER PREVENTION.
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③ KITCHEN HOOD SCHEMATIC
SCALE: N.T.S.

FIRE SYSTEM INFORMATION - JOB#698491

SYSTEM TAG	TYPE	SIZE	MAX FP	SECTION	INSTALLATION	LOCATION IN HOOD
1	TANK FS	40/40	40	37	FIRE CABINET RIGHT	RIGHT, HOOD 1

- NOTES:**
- FIELD PIPE DRIPS AS SHOWN
 - FIELD INSTALLED DROP LEGS SUPPLIED BY OVS
 - FIELD INSTALLED DROP FACTORY WILL PROVIDE 01/2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED
 - SHIPPED LEGS TO BE FIELD-INSTALLED
 - RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING
 - OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION
 - FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD
 - APPLIANCE DIMENSIONS LISTED PRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE
 - THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS

- DL-F NOZZLE PART NUMBER REPLACES 3070-37/8H-10-SS
- JOB # 698491
- JOB NAME: CAVA - INDIANAPOLIS, IN
- SYSTEM SIZE: TANK-SP-2 DESIGN, TANK-37, MAXIMUM FP: 40
- RISER # 1, SIZE: 1/2" DIA, X 60" WIDE X 30" HIGH
- HOOD # 1 METAL BLOW-OFF CAPS INCLUDED
- HEAVY-DUTY APPLIANCES (GRADED 600FX) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY
- MEDIUM TO LIGHT-DUTY APPLIANCES (GRADED 450FX) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION

AGENT DISTRIBUTION PIPING LIMITATIONS

PIPE SECTION	MAX PIPE LENGTH (FT)
MAX SUPPLY LINE TO APPLIANCE NOZZLE	10
OVERLAPPING NOZZLE APPLIANCE BRANCH	10
DEDICATED NOZZLE APPLIANCE BRANCH	10

LEGEND - FIRE CABINET TANK SYSTEM

1. 4 GALLON TANK FOR RELEASE
2. PRESSURE ACTUATOR RELEASE
3. PRESSURE SUPERVISION SWITCH
4. PRIMARY WIRE ASSEMBLY
5. SECONDARY WIRE ASSEMBLY
6. REMOTE MANUAL ACTUATION DEVICE
- 7.

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted

Approved with No Exception Taken

Review and Resubmit

SIGNATURE _____ DATE _____

Your Title _____

SPECIFICATIONS

ELECTRIC WET CHEMICAL (CWS-EWC) SPECIFICATION

THE CORE ELECTRIC WET CHEMICAL (EWC) FIRE SUPPRESSION SYSTEM IS A HYBRID FIRE SUPPRESSION SYSTEM FOR USE IN COMMERCIAL KITCHENS.

THE CORE EVC MICROPROCESSOR-BASED CONTROL BOARD, PCB06RE BOARD, IS ETL LISTED UNDER REPORT NUMBER 101196419NYM-001 TO THE UL STANDARD 864 AND CAN/ULC-S527-11. THE COREPCB IS DESIGNED TO CONTROL A 24VDC-BASED, LISTED UL 300 WET CHEMICAL RESTAURANT FIRE SUPPRESSION SYSTEM. THE COREPCB CONTAINS A BATTERY MONITORING, CRUISE MONITORING, AND LOW BATTERY MONITORING. CRUISE MONITORING AND LOW BATTERY MONITORING THERMAL DETECTORS AND MANUAL PULL STATIONS/MANUAL ACTUATION DEVICES). THE COREPCB CONTROL BOARD ALSO SUPERVISES FAULTS WITHIN THE SYSTEM AND WILL ALERT THE USER OF SPECIFIC CONDITION.

THE SYSTEM IS CAPABLE OF AUTOMATIC DETECTION AND ACTIVATION AND/OR REMOTE MANUAL ACTIVATION. THE DETECTION PORTION OF THE FIRE SUPPRESSION SYSTEM ALLOWS FOR AUTOMATIC DETECTION BY MEANS OF AN ELECTRIC THERMAL DETECTOR(S) LOCATED IN THE HOOD DUCT CONNECTION(S). A PULL STATION/MANUAL ACTUATION DEVICE IS ALSO PROVIDED TO ALLOW FOR MANUAL ACTIVATION OF THE FIRE SYSTEM.

WITH THE ELECTRIC THERMAL DETECTION, A BATTERY BACKUP SYSTEM IS PROVIDED. THE BACKUP BATTERY SYSTEM PROVIDES THE COREPCB BOARD CONTROLS INCLUDING THE AUTOMATIC DETECTION, PULL STATION/MANUAL ACTUATION DEVICE CIRCUITS, AS WELL AS SUPERVISES HOSE DEVICES AND ANY AUXILIARY SUPERVISORY EQUIPMENT IN THE EVENT OF A LOSS OF POWER TO THE BUILDING.

UPON A FIRE CONDITION, THE ELECTRIC THERMAL DETECTOR CONTACTS WILL CLOSE AND SEND A SUPERVISED SIGNAL TO THE COREPCB BOARD. THE WET CHEMICAL AGENT INTO THE DISTRIBUTION LINES TOWARDS THE DISCHARGE NOZZLES.

REVISIONS

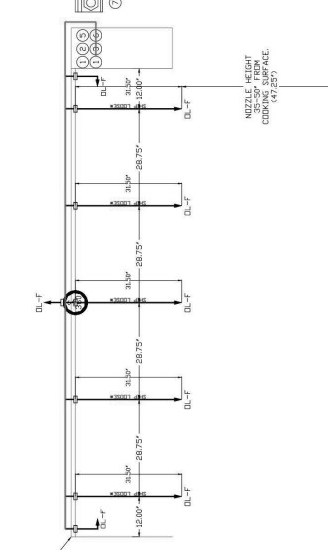
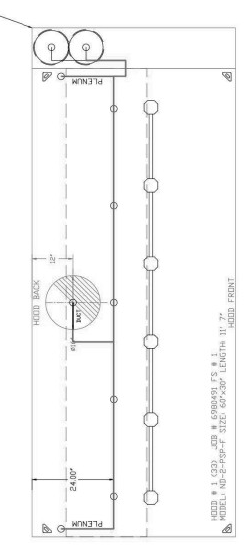
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econ-air

Myland Office
 8120 Woodmont Avenue, Suite 720, Bethesda, MD, 20814 PHONE: (800) 999-1861 FAX: 9192772191 EMAIL: gyz2@econair.com

THIS SYSTEM REQUIRES A MINIMUM OF 4 FT OF CLEARANCE ABOVE THE NOZZLES FOR PROPER OPERATION. REFER TO APPLIANCE MANUAL FOR EXACT APPLIANCE CLEARANCE HEIGHT. SEE MANUAL FOR DETAILS.



TANK SPECIFICATIONS
 13500 L. HEIGHT
 18" DIA.
 15" DIA. TANK

14 Ridge Square NW #500, WASHINGTON, DC 20016
 CAVA
 FOR INDIANAPOLIS, IN 46202
 801 W. 10TH STREET
 INDIANAPOLIS, IN - IUPUI

DATE: 8/15/2024
 DRAWN BY: 6980491

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 3

CAVA - Indianapolis, IN
 128 South Brook Drive,
 Leander, TX, 78641

MECHANICAL HOOD DETAIL PLAN

SHEET: M603

12/20/2024 9:18:06 AM

artm
 engineering consultants
 1800 S. 10th Street, Suite 100, Leander, TX 78641

ADDITIONAL PROJECT NUMBER	60694
DATE	07/17/2024
ISSUE	07/17/2024
DESIGN SET	07/17/2024
PERMIT SET	07/17/2024
REVISION SET	02/25/2024

MECHANICAL MODEL DETAIL
 FAN
 SHEET: **M605**

NO.	DATE	REVISIONS
1		
2		
3		
4		

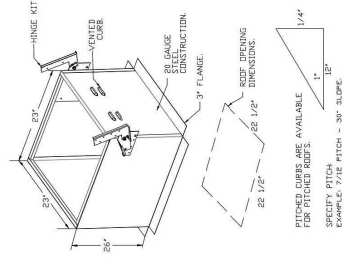
econ·air

Maryland Office
 8120 Woodstone Avenue, Suite 270, Beltsville, MD 20814 PHONE: (800) 988-0881 FAX: 8122275931 EMAIL: mg202@econair.com
 WWW.ECONAIR.COM

CAVA - Indianapolis, IN
 128 South Brook Drive,
 Leander, TX, 78641

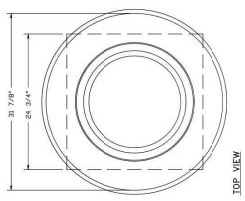
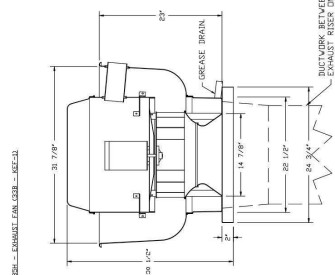
DATE: 8/15/2024
DWG.#: 6988493
DRAWN BY: BT-32
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO.
 9



PITCHED CURVE ARE AVAILABLE FOR PITCHED ROOFS. SPECIFY PITCH. EXAMPLE 7:12 PITCH = 30° SLOPE.

- FEATURES:**
- DIRECT DRIVE CONSTRUCTION AND BELT/PULLEYS.
 - RESTAURANT MODEL.
 - VARIABLE SPEED DRIVE (VSD).
 - VARIABLE SPEED CONTROL.
 - INTERNAL VIBRATION PROTECTION (GRACE PHASE).
 - HIGH HEAT DEPARTING 300° (90°/C).
 - 100% MOTOR EFFICIENCY.
 - 100% IN SAFETY DISCONNECT SWITCH.
- OPTIONAL ACCESSORIES:**
- EXTERNAL FAN HOUSING CONTINUOUSLY WITH ALL FAN PARTS HAVE REACHED OPERATING TEMPERATURE.
 - RETARDING EFFECTS TO THE FAN WHICH WOULD CAUSE DAMP OPERATION.
 - EXTERNAL FAN HOUSING CONTINUOUSLY WITH ALL FAN PARTS HAVE REACHED OPERATING TEMPERATURE.
 - AT "HOT" GRID FOR A PERIOD OF VAPORS.
 - DAMP OPERATION WHICH WOULD CAUSE AN UNSAFE CONDITION.
- DEFINITIONS:**
- EXTERNAL FAN HOUSING - FAN HOUSING WHICH IS NOT INTEGRATED WITH THE FAN.
 - EXTERNAL FAN HOUSING - FAN HOUSING WHICH IS NOT INTEGRATED WITH THE FAN.
 - 3 YEAR PART WARRANTY.

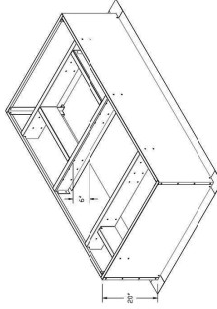
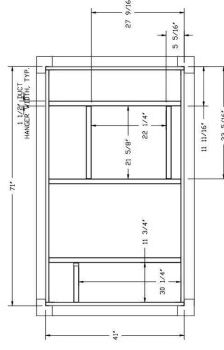
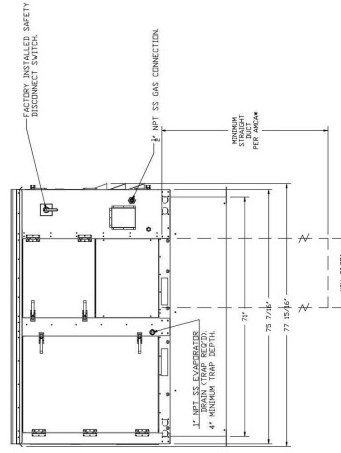
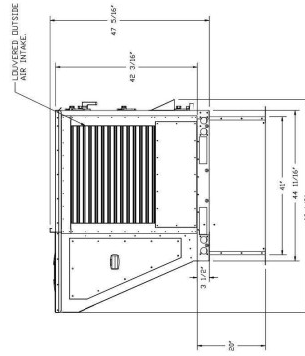
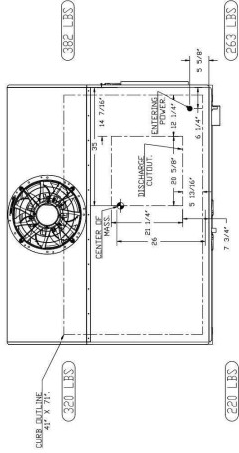
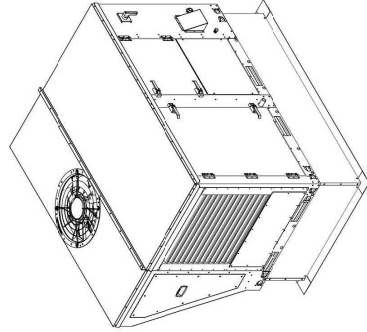


FAN #2 EARTUJ-1200-15-ST-MPU - HEATER (33C - MUA-12)

NOTES:

1. NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. CUBIC FOOTAGE DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
4. CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
5. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES, FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20.75" x 21.5".



REVISIONS	DATE

Maryland Office
 8120 Woodcroft Avenue, Suite 720, Bethesda, MD, 20814 PHONE: (800) 988-1081 FAX: 918227931 EMAIL: re32@econair.com
 www.econair.com

DATE:	5/15/2024
DWG.#:	67804931
DRAWN BY:	BT-32
CHECKED BY:	BT-32
SCALE:	3/4" = 1'-0"
PROJECT NUMBER:	60654
ISSUE:	DATE
ISS SET:	07/17/2024
ISS UNSET:	07/17/2024
ISS SET:	02/26/2024

MAKER DRAWING
 Cava - Indianapolis, IN
 128 South Brook Drive,
 Lender, TX, 78641
 CAVA #010518 INDIANAPOLIS IN - IUPUI
 INDIANAPOLIS, IN 46202
 CAVA
 14 Ridge Square NW #500, WASHINGTON, DC 20016

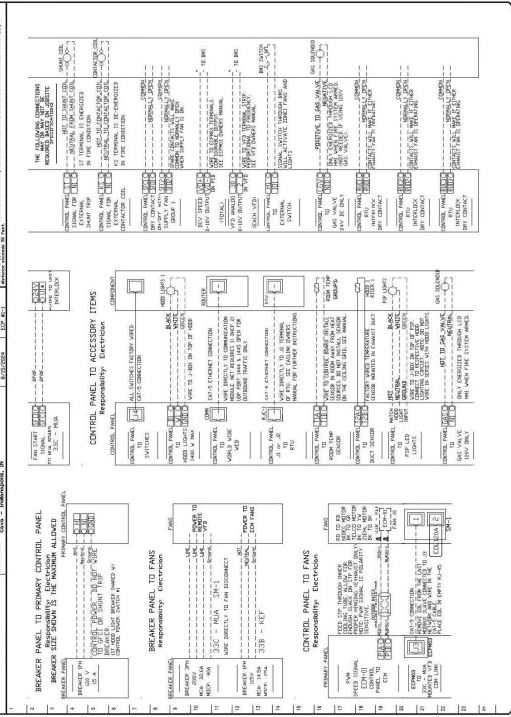
SHEET NO. 6
 MECHANICAL MODEL DETAIL
 FAN
 SHEET: **M606**

artm
 engineering consultants
 10000 Woodloch Forest Drive, Suite 100, Dallas, TX 75244

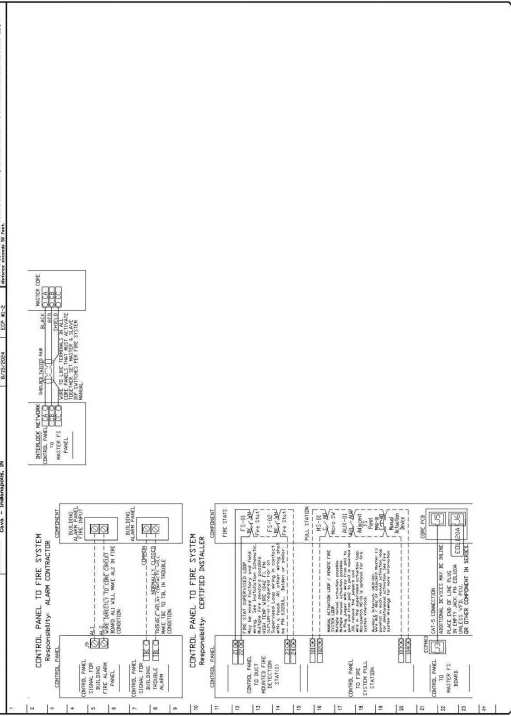
ELECTRICAL PACKAGE - JOB#888881

NO	TAG	PACKAGE #	LOCATION	QUANTITY	OPTION	PRICE	UNIT	UP VOL/FLX
1	REV-011	UTILITY CABINET RISER	1	1	1	1	1	1
2	REV-011	UTILITY CABINET RISER	1	1	1	1	1	1

JOB NO: 6980491
 MODEL NUMBER: REV-1111
 JOB NAME: CAVA - INDIANAPOLIS, IN



JOB NO: 6980491
 MODEL NUMBER: REV-1111
 JOB NAME: CAVA - INDIANAPOLIS, IN



REVISIONS

NO	DATE	DESCRIPTION
1		
2		
3		

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8120 Woodmont Avenue, Suite 720, Bethesda, MD 20814 PH: (301) 888-0881 FAX: (301) 888-0881

Mayland Office

CAVA - Indianapolis, IN
 128 South Brook Drive,
 Leander, TX, 78641

DATE: 8/15/2024
 DWG.#: 6980491
 DRAWN BY: BT-38
 SCALE: 3/4" = 1'-0"

SHEET NO. 7
 MASTER DRAWING

HOOD CONTROL DETAILS

NOTE TO ELECTRICAL CONTRACTOR
 CAPTIVE/ARE HOOD CONTROL PACKAGE IS FURNISHED BY ELECTRICAL CONTRACTOR FOR COORDINATION PURPOSES ONLY. ALL FIELD WIRING AND INTERLOCKS TO BE COMPLETED BY ELECTRICAL CONTRACTOR. CONTACT CAPTIVE/ARE FOR ANY QUESTIONS REGARDING SCOPE OF WORK. (301) 888-0881

CUSTOMER APPROVAL TO MANUFACTURE:

Approved by: _____
 Name: _____
 Title: _____
 Date: _____

SEQUENCE OF OPERATION - HOOD CONTROLS

ELECTRICAL PROXIMITY SERIES
 ALL POWER, LIGHTING, MICROSWITCH AND TEMPERATURE WIRE CONNECTIONS AND INTERLOCKS TO BE COMPLETED BY ELECTRICAL CONTRACTOR PER SPECIFICATIONS PROVIDED WITH EQUIPMENT.

TWO METHODS TO ACTIVATE EXHAUST SYSTEM:
 Operator presses the fan button to energize contactor(s) and start the exhaust fan(s). Supply fan(s), if present, will be actuated by factory pre-wired interlock.

Automatic activation:
 Turn on cooking appliances. Exhaust fan(s) [and supply fan(s), if present] will automatically energize when duct temperature reaches 150 degrees F (adjustable). At the end of the day, after cooking operations have ceased, the fan(s) will shut off when the duct temperature falls below the setpoint differential.

FIRE CONDITION
 IN THE EVENT OF A FIRE, A SIGNAL IS SENT ACROSS THE NORMALLY OPEN BRY CONTACT OF THE FIRE SUPPRESSION SYSTEM TO DE-ENERGIZE LIGHTING CIRCUITS TO DE-ENERGIZE MICROSWITCH MUST BE RESET PRIOR TO RESUMPTION OF NORMAL OPERATION.

MECHANICAL HOOD DETAIL
 PLAN
 SHEET: **M607**

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 14 Ridge Square NW #500, WASHINGTON, DC 20016

