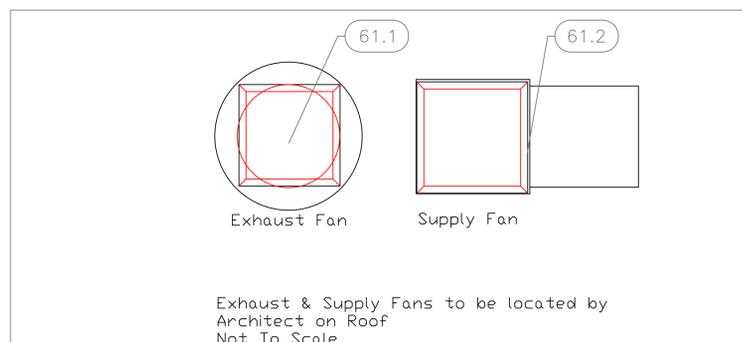
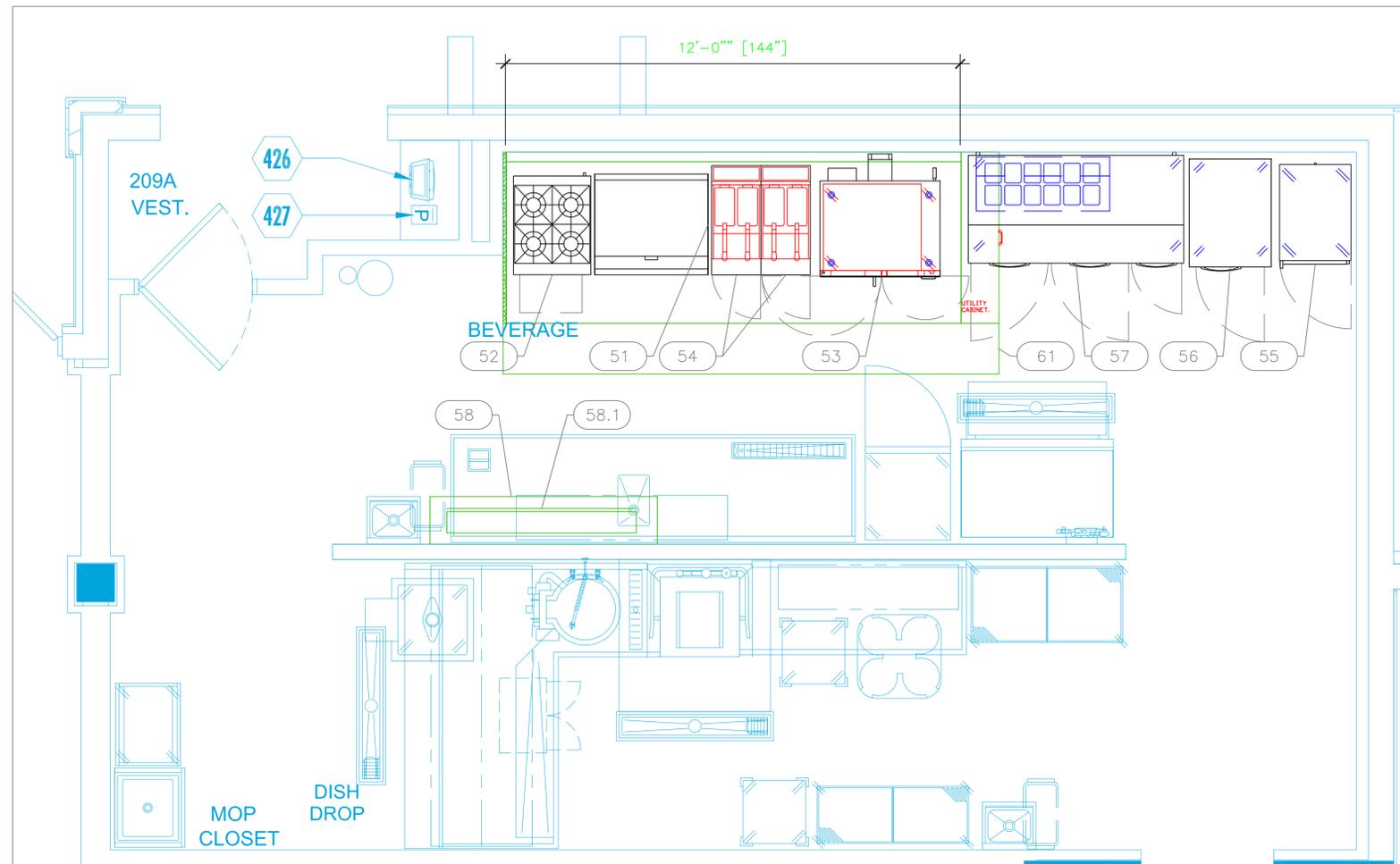


EQUIPMENT SCHEDULE					
ItemNo	Category	Mfr	Model	Quantity	Equipment Remarks
51	Griddle, Gas, Countertop	Southbend	HDG-36V	1	
52	Hotplate, Countertop, Gas	Southbend	HDO-24	1	
53	Convection Oven, Gas	Southbend	BGS/22SC	1	
54	Gas Floor Fryer	Pitco	SG14-S	2	
55	Heated Holding Cabinet	Alto-Shaam	1000-UP	1	
56	Reach-In Refrigerator	Continental Refrigerator	1RN	1	
57	Sandwich / Salad Preparation Refrigerator	Continental Refrigerator	RA68N12	1	
58	Shelving, Wall Mounted	Advance Tabco	WS-15-72-16	1	
58.1	Heat Lamp	Nemco	6151-60	1	
61	Main Hood	Captive-Aire	HOOD - MAIN	1	
61.1	Exhaust Fan	Captive-Aire	E FAN - MAIN	1	
61.2	Supply Fan	Captive-Aire	S FAN - MAIN	1	



EQUIPMENT LAYOUT

All Dimensions to be verified on the job site.
 Actual locations for floor drains, and any ventilating equipment to be determined by Engineer.
 Mechanical, Plumbing & Electrical to be checked and verified by Customers MEP Engineer.
 Remote Condensing Units to be located by Architect.
 Exhaust & Supply fans to be located by Architect.

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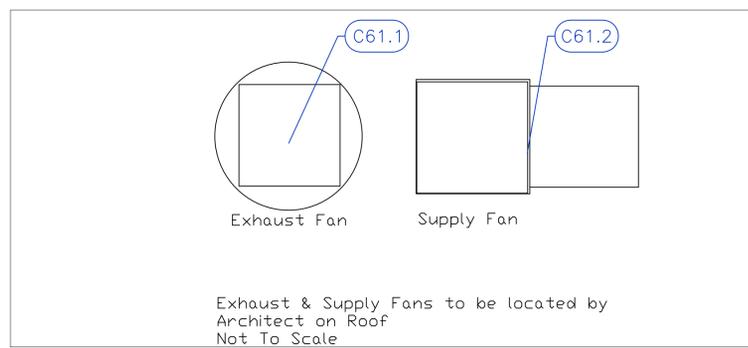
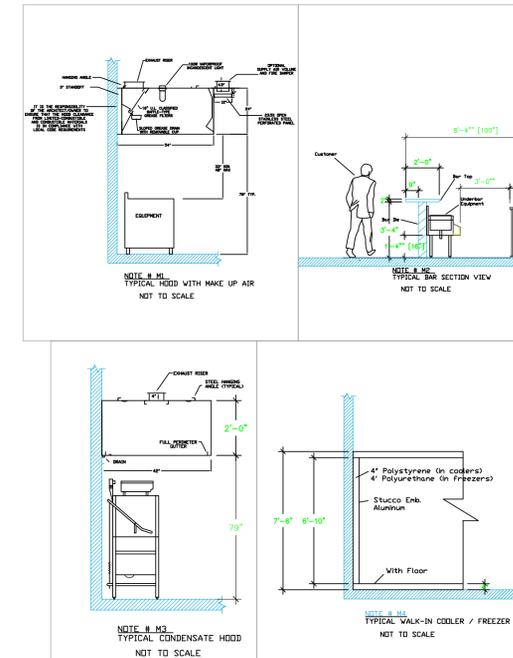
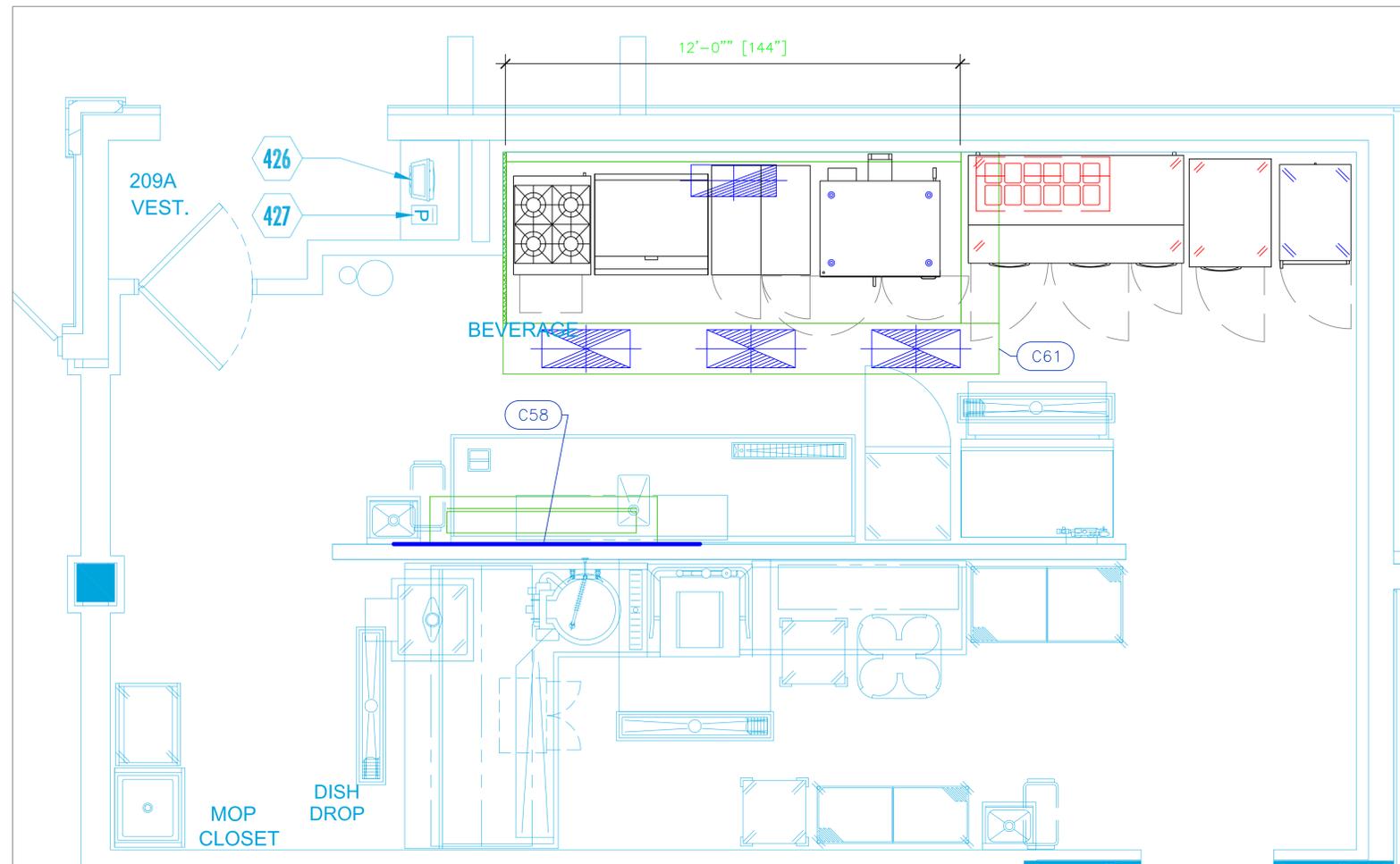
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Dayne Gauntlett
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Mechanical Schedule								
ITEM NO.	QTY	DISCRIPTION	EXHAUST (L X W)	EXHAUST (CFM)	SUPPLY (L X W)	SUPPLY (CFM)	Ventilation Remarks	Unit
58	1	Shelving, Wall Mounted					See Note M9	ea
61	1	Main Hood	27"x10"		(3) 28"x12"			ea
61.1	1	Exhaust Fan		2880				ea
61.2	1	Supply Fan				2304		ea



LEGEND -- MECHANICAL

- EXHAUST DUCT COLLAR
- SUPPLY DUCT COLLAR
- INWALL BACKING FOR WALL SHELVES
- RECESSED FLOOR
- RAISED EQUIPMENT PAD

NOTE # M5
ALL NATIONAL, STATE, AND LOCAL CODES SHALL APPLY.

NOTE # M6
ARCHITECT OR ENGINEER TO SIZE AND LOCATE, CONTRACTOR TO PROVIDE ALL OPENINGS FOR DUCTS, PLUMBING LINES, ELECTRICAL LINES, AND REFRIGERATION LINES, AS REQUIRED BY EQUIPMENT.

NOTE # M7
SUPPLY FANS TO BE LOCATED A MINIMUM OF 10' FROM EXHAUST FANS.

NOTE # M8
SHOP DRAWING WILL BE PROVIDED BY MANUFACTURER FOR HOOD, EXHAUST FANS, & SUPPLY FANS, UNCE ORDER IS PLACE WITH.

NOTE # M9
GENERAL CONTRACTOR TO PROVIDE 2" PLYWOOD WALL BACKING FROM 30" TO 78" AFF FOR ALL WALL MOUNTED EQUIPMENT.

NOTE # M10
CEILING HEIGHTS TO BE VERIFIED FOR SUFFICIENT CLEARANCE FOR EQUIPMENT.

NOTE # M11
REFRIGERATION CONTRACTOR TO HANG EVAPORATORS FOR WALK-IN, RUN & CHARGE LINES BETWEEN EVAP. & CONDENSING UNIT.

Equipment MECHANICAL Service Requirements

All Dimensions to be verified on the job site. Actual locations for floor drains, and any ventilating equipment to be determined by Engineer. Mechanical, Plumbing & Electrical to be checked and verified by Customers MEP Engineer. Remote Condensing Units to be located by Architect. Exhaust & Supply fans to be located by Architect.

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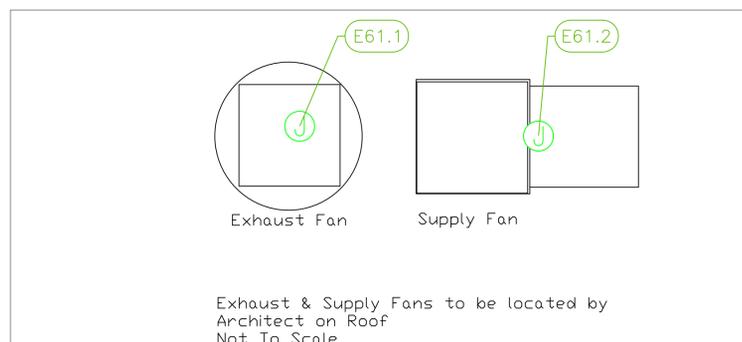
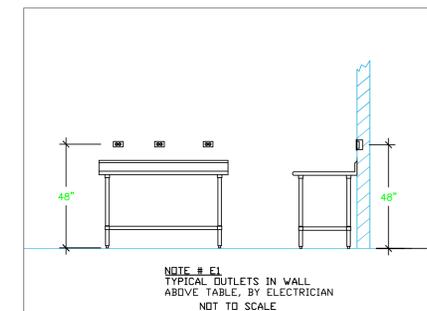
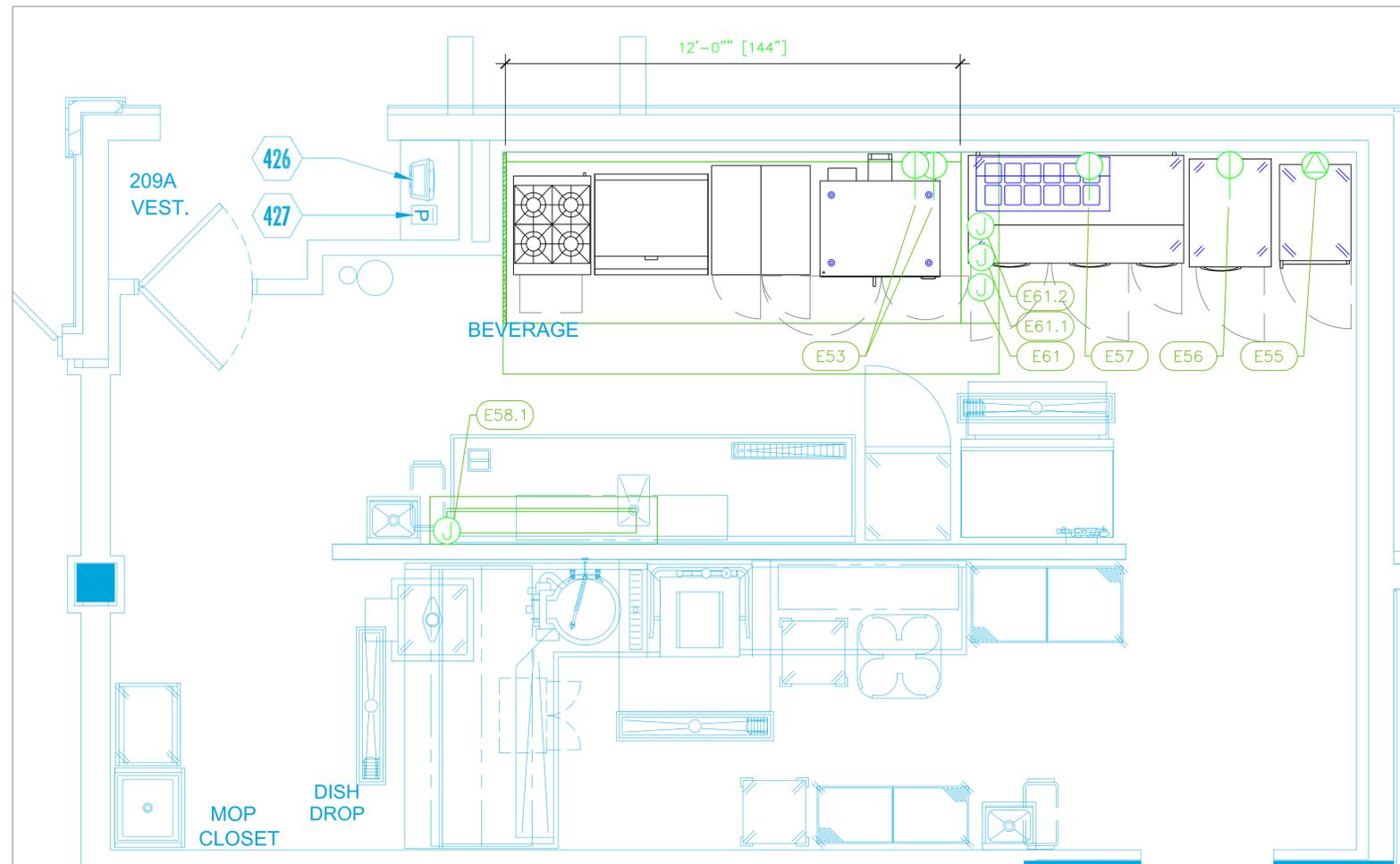
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ELECTRICAL SCHEDULE											
ItemNo	Category	Voltage	Cycle	Phase	Amps	Hp	NEMA	ConnectionType	Rough-In AFF	Quantity	Electrical Remarks
53	Convection Oven, Gas	120	60	1	7.9	1/2	5-15P	Simplex	48"	1	Bottom oven
		120	60	1	7.9	1/2	5-15P	Simplex	48"	1	Top oven
55	Heated Holding Cabinet	120	60	1	16.0		5-20P	Special	18"	1	
56	Reach-In Refrigerator	115	60	1	5.2	1/4	5-15P	Simplex	18"	1	
57	Sandwich / Salad Preparation Refrigerator	115	60	1	7	1/3	5-15P	Simplex	18"	1	
58.1	Heat Lamp	120	60	1	11.7			J-Box	66"	1	
61	Main Hood	115	60	1	15			J-Box	108"	1	Elec for Lights in Hood
61.1	Exhaust Fan	208	60	3	3.8	3		J-Box	108"	1	Elec at Hood Control Box
61.2	Supply Fan	208	60	3	9.5	3		J-Box	108"	1	Elec at Hood Control Box



LEGEND - ELECTRICAL CONNECTIONS

- DUPLEX RECEPT., 15-AMP, 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- SIMPLEX RECEPT., 120-VOLT, GROUND TYPE, HORIZONTAL MOUNT
- SPECIAL PURPOSE OUTLET, GROUND TYPE, HORIZONTAL MOUNT
- JUNCTION BOX, DIRECT CONNECTION
- DISCONNECT SWITCH, DIRECT CONNECTION
- FLOOR/CEILING RECEPTACLE AS INDICATED
- (2) Telephone + (2) Data
- FIELD CONNECTIONS
- HARD WIRE CONNECTION POINT AT MACHINE

NOTE # E2
ALL NATIONAL, STATE, AND LOCAL CODES SHALL APPLY

NOTE # E3
ALL ELECTRICAL CONNECTIONS AND HARDWARE REQUIRED TO BE PROVIDED BY ELECTRICAL CONTRACTOR

NOTE # E4
ALL JUNCTION BOXES, OUTLETS, ETC. TO BE LOCATED SO AS TO NOT INTERFERE WITH EQUIPMENT

NOTE # E5
ALL RELAYS, CONTRACTORS, STARTERS, AND SWITCHES REQUIRED FOR EXHAUST & SUPPLY FANS TO BE PROVIDED BY ELECTRICAL CONTRACTOR UNLESS SPECIFIED

NOTE # E6
ELECTRICAL CONTRACTOR TO INTERCONNECT DISHMACHINE TO EXHAUST FAN FOR DISHMACHINE SO THAT THE FAN RUNS WHEN THE DISHMACHINE IS IN OPERATION.

NOTE # E7
ELECTRICAL CONTRACTOR TO INSTALL TABLE LIMIT SWITCH TO END OF CLEAN DISHTABLE TO THAT MACHINE STOPS WHEN SWITCH IS DEPRESSED.

NOTE # E8
ELECTRICAL CONTRACTOR TO CONNECT DRAIN LINE HEATER, PAN HEATER AND DOOR HEATER FOR WALK-IN FREEZER.

Equipment ELECTRICAL Service Requirements

All Dimensions to be verified on the job site. Actual locations for floor drains, and any ventilating equipment to be determined by Engineer. Mechanical, Plumbing & Electrical to be checked and verified by Customers MEP Engineer. Remote Condensing Units to be located by Architect. Exhaust & Supply fans to be located by Architect.

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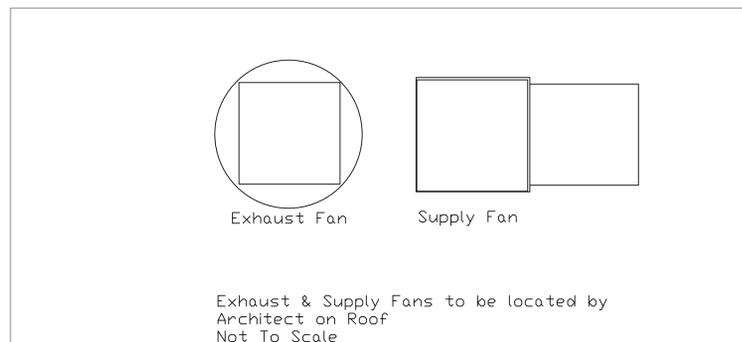
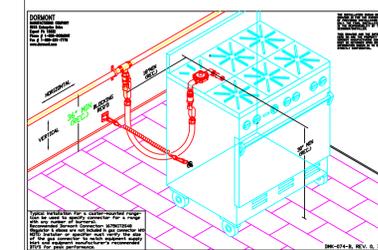
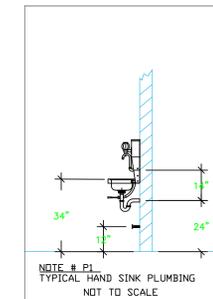
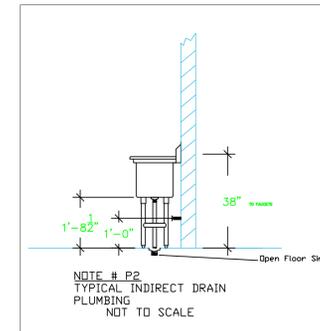
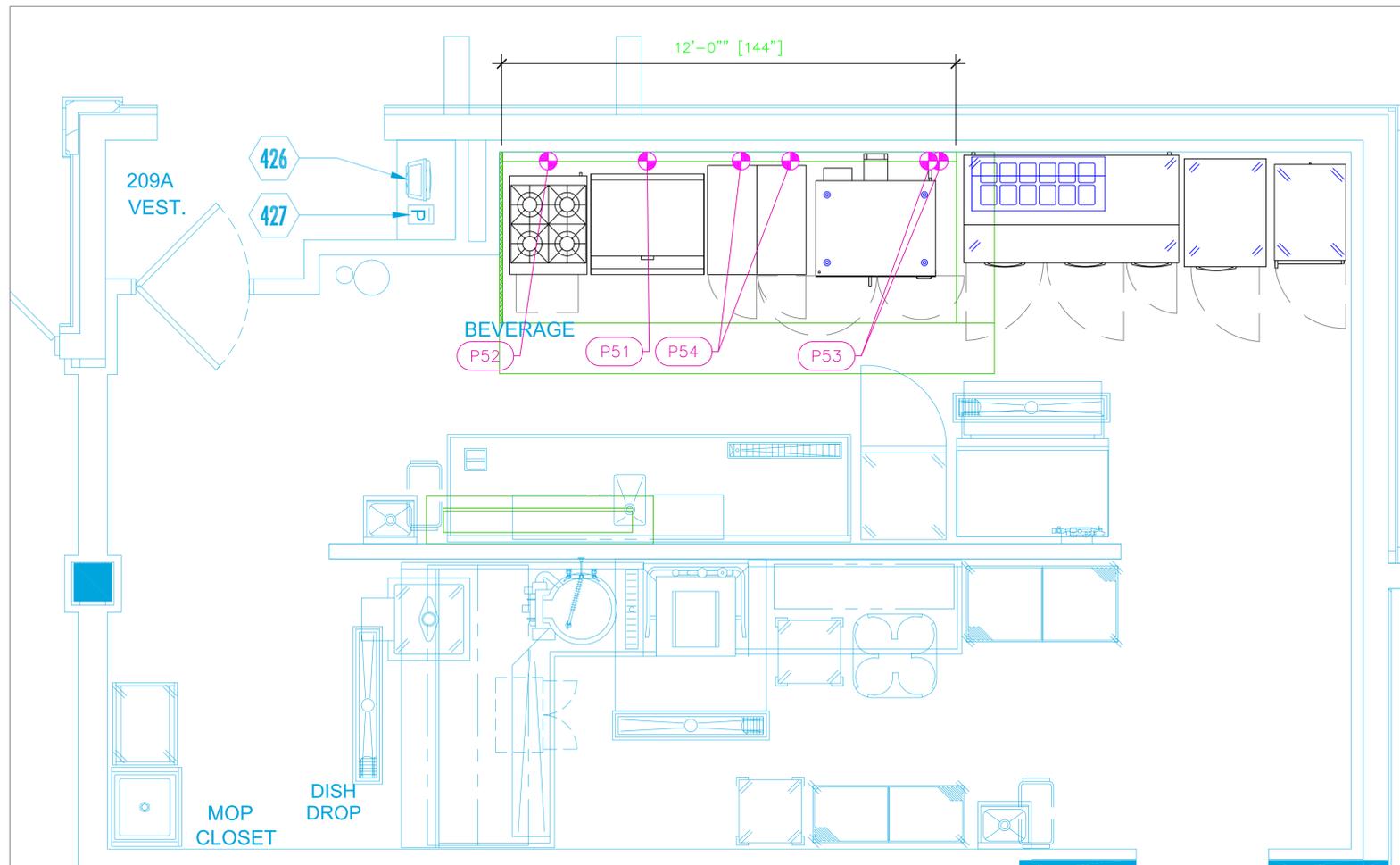
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PLUMBING SCHEDULE											
ITEM NO.	DESCRIPTION	COLD WATER SIZE	HOT WATER SIZE	H&C Rough-In	DIRECT WASTE SIZE	DIRECT WASTE AFF	INDIRECT WASTE SIZE	GAS SIZE(IN)	GAS MBTU	QTY	PLUMBING REMARKS
51	Griddle, Gas, Countertop							3/4"	90.0	1	See Note P3
52	Hotplate, Countertop, Gas							3/4"	132.0	1	See Note P3
53	Convection Oven, Gas							3/4"	54.0	1	See Note P3
								3/4"	54.0	1	See Note P3
54	Gas Floor Fryer							3/4"	110.0	2	See Note P3



- LEGEND -- PLUMBING CONNECTIONS**
- HW--HOT WATER, OR CW--COLD WATER
 - GAS
 - WASTE, DIRECT--CONNECTED
 - WASTE, INDIRECT to Floor Sink, or Floor Dr
 - ⊕ FUNNEL FLOOR DRAIN Josam 30000--E3
 - ⊕ FLOOR DRAIN Josam 30000--A3
 - ⊕ FLOOR SINK Proflo PF42856 or similar
 - FILTERED WATER, at machine.
- NOTE # P4.**
ALL NATIONAL, STATE, AND LOCAL CODES SHALL APPLY
- NOTE # P5.**
ALL PLUMBING CONNECTIONS TO BE EXTENDED AND INTERCONNECTED TO EQUIPMENT AND ALL HARDWARE REQUIRED TO BE PROVIDED BY PLUMBING CONTRACTOR
- NOTE # P6.**
PLUMBING CONTRACTOR TO VERIFY THAT ALL EQUIPMENT IS INSTALLED WITH THE APPROPRIATE GAS PRESSURE AND REGULATORS
- NOTE # P7.**
ALL WASTE LINES AND CONDENSATE LINES TO BE EXTEND FROM EQUIPMENT TO FLOOR DRAINS BY PLUMBING CONTRACTOR.

Equipment PLUMBING Service Requirements

All Dimensions to be verified on the job site. Actual locations for floor drains, and any ventilating equipment to be determined by Engineer. Mechanical, Plumbing & Electrical to be checked and verified by Customers MEP Engineer. Remote Condensing Units to be located by Architect. Exhaust & Supply fans to be located by Architect.

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FOR QUESTIONS, CALL THE
Advanced Hood Systems, LLC
REGION 140
PHONE:
EMAIL: shawn@advancedhoodsystems.com

PATENT NUMBERS
AC-PSP (UNITED STATES) - US PATENT 7963830 B2.
AC-PSP WALL (CANADA) - CA PATENT 2820509.
AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

HOOD INFORMATION - JOB#5603567

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM					TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM			VEL	SP	END TO
1	61	5424	ADVANCED HOOD	12' 0"	600 DEG	1	HEAVY	240	2880	10'	27'	4'	2880	1536	-0.818"	2304	430 SS WHERE EXPOSED	ALDNE	ALDNE

HOOD INFORMATION

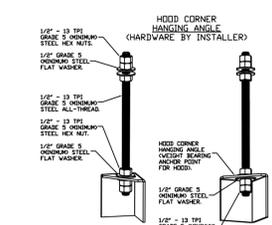
HOOD NO	TAG	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM	HOOD HANGING PIPING WEIGHT		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	SIZE			ELECTRICAL MODEL #	SWITCHES QUANTITY
1	61	CAPTRATE SOLID FILTER	9	20"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	ND	RIGHT	12"x34"x24"	ANSUL R-102	3.0	DCV-1111	1 LIGHT 1 FAN	YES	832 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	61	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT. BACKSPASH 80.00" HIGH X 157.00" LONG 430 SS VERTICAL. LEFT SIDESPLASH 80.00" HIGH X 24.00" LONG 430 SS VERTICAL. LEFT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED. BACKSPASH - INSIDE CORNER 80.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL. BACKSPASH - OUTSIDE CORNER 80.00" HIGH X 2.00" LEG LENGTH 430 SS VERTICAL.

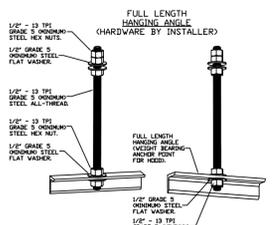
PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISERS(S)		
							WIDTH	LENG	SP
1	61	Front	157"	16"	6"	MUA	12"	28"	768 0.220"
						MUA	12"	28"	768 0.220"
						MUA	12"	28"	768 0.220"



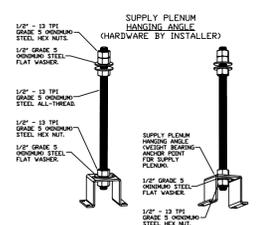
ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD, SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



ASSEMBLY INSTRUCTIONS

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SECTION 23 38 13 13

SPECIFICATIONS
TAG Commercial Kitchen Ventilation Hoods, Listed Commercial Kitchen Hoods

PART 1 - GENERAL

1.1 SUMMARY

A. The NBE series is a Type I, wall canopy hood for use over 600°F cooking surface temperatures. The aerodynamic design includes a mechanical baffle and performance enhancing lip for exceptional capture and containment.
B. The hood shall have the size, shape, and performance specified on drawings.

1.2 SUBMITTALS

A. The manufacturer assumes no liability for the use or results of use from this document. Specifications are to be reviewed by the engineer to confirm the project's requirements and meet Federal, State, and Local codes and regulations.
B. As the manufacturer continues product development, it reserves the right to change design and specifications without notice.
C. The manufacturer shall supply complete computer generated submittal drawings, including hood section view(s) and hood plan view(s). These drawings must be available to the engineer, architect, and owner for their use in construction, operation, and maintenance.

1.3 QUALITY ASSURANCE

A. This hood is ETL-listed to standard UL710, ULC710, and ULC-S646 when installed in accordance with these installation instructions and National Fire Protection Association Standard NFPA 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations.
B. Built-in compliance with NSF/ANSI Standard 2.
C. The hood shall be ETL Listed as:
1. Exhaust Hood Without Exhaust Damper.
2. ETL Sanitation Listed and built in accordance with NFPA 96.
3. The ETL label shall list temperature rating(s) and minimum CFM/ft rating(s).

1.4 WARRANTY

A. All units shall be provided with the following standard warranty:
1. This equipment is warranted to be free from defects in materials and workmanship, under normal use and service, for a period of 2-years from date of shipment.
B. The manufacturer shall not be liable for incidental and consequential losses and damages potentially attributable to malfunctioning equipment. Should any part of the equipment prove to be defective in material or workmanship within the 2-year warranty period, upon examination by the manufacturer, such part will be repaired or replaced by manufacturer at no charge. The buyer shall pay all labor costs incurred in connection with such repair or replacement. Equipment shall not be returned without manufacturer's prior authorization, and all returned equipment shall be shipped by the buyer, freight prepaid to a destination determined by the manufacturer.
C. Refer to Manufacturer's Operation, Installation, and Maintenance (OIM) Manual for detailed descriptions of what is/is not covered and contact information for warranty claims.

PART 2 - PRODUCTS

2.1 GENERAL

A. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints, and penetrations of the hood enclosure to the lower outermost perimeter, which directs and captures grease-laden vapor and exhaust gases, shall have a liquid-tight continuous external weld in accordance with NFPA 96.

B. Duct sizes, CFM, and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

2.2 CONSTRUCTION

A. Construction shall be type 430 stainless steel.
B. Double wall insulated front to eliminate condensation and increase rigidity on wide sizes. The insulation shall have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFPA 90A and 90B.
C. Hood shall be equipped with a minimum of four connections for hanger rods. Hood lengths greater than 12' will have added hangers.
D. Exhaust duct collar to be 4" high with flange.
E. The grease drain system shall be an enclosed integral part of the hood back and have slopes with an exposed, removable 1/2" grease cup to facilitate cleaning.
F. An integral baffle to direct grease laden vapors toward the exhaust filter bank.
G. Hood shall be furnished with UL classified filters, supplied in size and quantity as required by ventilator.
H. All seams shall be welded and have stainless steel on exposed surfaces.

2.3 LIGHTING

A. Recessed round LED fixture and LED light, 3500K Warm output.

2.4 FILTERS

A. Stainless Steel Captrate Solo filter with hook, ETL Listed. Particulate capture efficiency: 85% efficient at 9 microns, 76% efficient at 5 microns.

2.5 OPTIONS

A. Fire Suppression System UL 300 fire suppression system.
B. Optional perforated supply plenum shall provide make-up air discharged below the cooking equipment.
1. Perforated diffuser plates shall be included in the design to provide even air distribution.
2. Unexposed surfaces shall be constructed of aluminized steel. Plenum shall be insulated to prevent condensation.
3. Perforated Supply Plenum (PSP)
C. Hood Mounted Utility Cabinet - Cabinet can store listed fire suppression system, listed components, pre-wired electrical controls.

2.6 ACCESSORIES

A. Splash panel(s) selected:
1. Backsplash
2. Backsplash - Inside Corner
3. Backsplash - Outside Corner
4. Left Sidesplash
B. Standoff(s) selected:
1. Left End Standoff
C. Wrapper(s) may be installed from the factory or field installed.
Wrapper(s) selected:
1. Wrapper

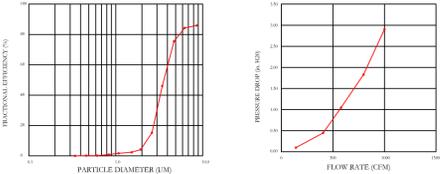
PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions under which the system is installed. Do not proceed with work until unsatisfactory conditions have been corrected in a manner acceptable to installer.

SPECIFICATION: CAPTRATE GREASE-STOP SOLID FILTER

THE CAPTRATE GREASE-STOP SOLID FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).
UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 80% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.
THE CAPTRATE GREASE-STOP SOLID WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.
EFFICIENCY VS. PARTICLE DIAMETER.



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96
NSF STANDARD #2
UL STANDARD #1846
INT. MEGA CODE (IMC)
ULC-S649.



REVISIONS	DESCRIPTION	DATE

ADVANCED HOOD SYSTEMS
Advanced Hood Systems, LLC
MIAMI, FL
PHONE: (305) 277-5974 Email: shawn@advancedhoodsystems.com

BAHAMAR 2022 61
MIAMI, FL,

DATE: 8/17/2022
DWG.#: 5603567
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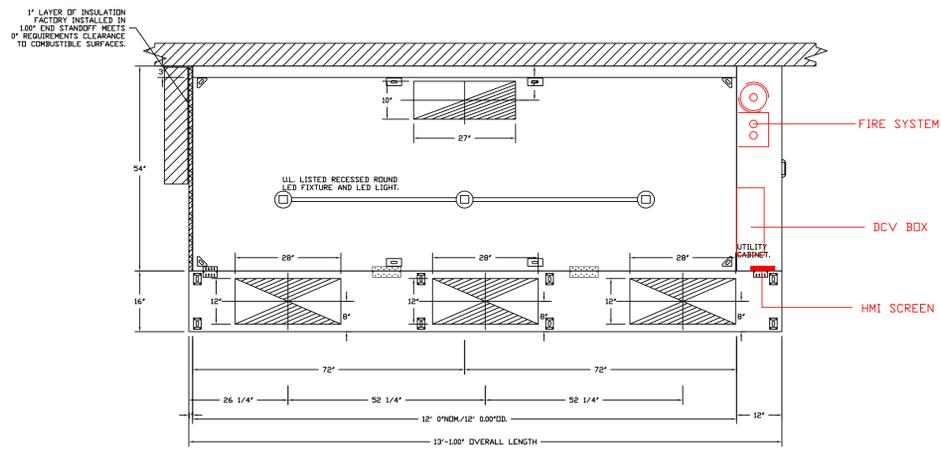


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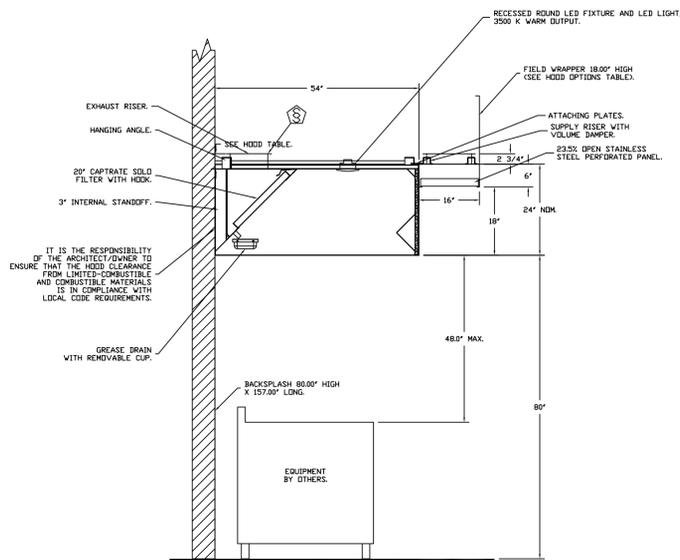
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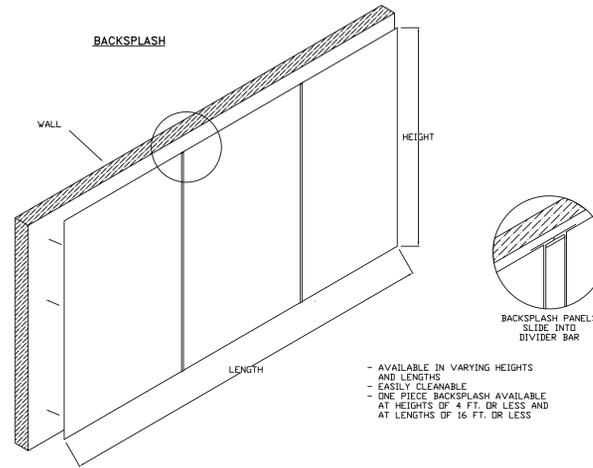
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FS-6.1



PLAN VIEW - HOOD #1 (61)
 12' 0.00\"/>



SECTION VIEW - MODEL 5424AH-ND-2-PSP-F
 HOOD - #1 (61)



- AVAILABLE IN VARYING HEIGHTS AND LENGTHS
- EASILY CLEANABLE
- ONE PIECE BACKSPLASH AVAILABLE AT HEIGHTS OF 4 FT. OR LESS AND AT LENGTHS OF 16 FT. OR LESS

REVISIONS	
NO.	DESCRIPTION

ADVANCED HOOD SYSTEMS
 Advanced Hood Systems, LLC
 FL PHONE: FAX: (305) 227-5374 EMAIL: info@advancedhoodsystems.com

BAHAMAR 2022 61
 MIAMI, FL,

DATE: 8/17/2022
 DWG.#: 5603567
 DRAWN BY:
 SCALE: 3/4\"/>

MASTER DRAWING
 SHEET NO. 2

Baha Mar
Marcus Up Top
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 2055 W 73rd Street, Miami, FL 33016
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No.	Revision/Issue	Date
1	Approved Layout with MEP	5-7-23
2		
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May 07, 2023
 Drawn By
Dayne Gauntlett
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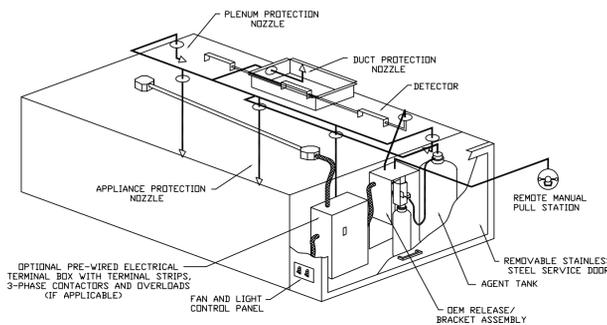
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FIRE SYSTEM INFORMATION - JOB#5603567

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	SYSTEM	LOCATION ON HOOD
1	61	ANSUL R102	3.0	11	FIRE CABINET RIGHT	RIGHT, HOOD 1

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
		0 - 0 - TANK STRAP TANK STRAP - USED FOR ANSUL TANKS.	1	0
		0 - 0 - UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS.	1	0
		1 - 1 - AT - 3.0 TANK(1B) - 3.0 GALLON SS TANK (FOR USE WITH AUTOMAN RELEASE, ACTUATOR, OR SS ENCLOSURE (UL/ULC)) MACDLA # 01-429662	1	0
		3 - 3 - ANS-DEM REGULATED RELEASE - ANSUL REGULATED MECHANICAL RELEASE/BRAKET ASSEMBLY, DEM, R-102, CARTRIDGE DETECTION INCLUDED, ANSUL PART # 79493.	1	0
		5 - 5 - L10-30 AGENT - ANSULEX LOW PH WET CHEMICAL AGENT, 3 GALLON (UL) 79372.	0	1
		7 - 7 - 101-20 CARTRIDGE - CARBON DIOXIDE 101-20, 3 GALLON CARTRIDGE (R-102).	0	1
		10 - 10 - TANK LINK - TEST LINK (1 TEST LINK) ANSUL PART # 24916, MACDLA # 20-24916.	0	1
		11 - 11 - MICRO-SDA MICROSWITCH KIT- INCLUDES 2 SWITCHES AND MOUNTING HARDWARE SINGLE DUAL ELECTRIC SWITCH, ONE STANDARD SWITCH, ONE ALARM DUTY SWITCH ANSUL PART # 437155, MACDLA # 08-437155.	1	0
		27 - 27 - RPSA-1/2 PULLEY SEAL - 1/2" HOOD SEAL (UL) ANSUL PART # 423253, MACDLA # 32-79768.	1	0
		34 - 34 - RPS-A REMOTE PULL STATION - RED COMPOSITE (WITHOUT WIRE ROPE) 434618 (OLD MACDLA #06-4835).	1	0
		35 - 35 - PE-LT PULLEY ELBOW - LOW TEMP. PULLEY ELBOW, SET SCREW TYPE ANSUL PART # 415670, MACDLA # 11-415671.	2	0
		36 - 36 - PE-HT PULLEY ELBOW - HIGH TEMP PULLEY ELBOW, COMPRESSION TYPE, ANSUL PART # 423251, MACDLA # 10-45771.	1	0

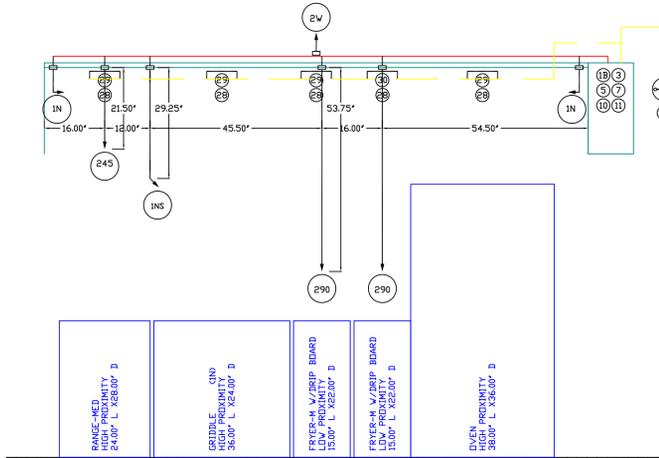
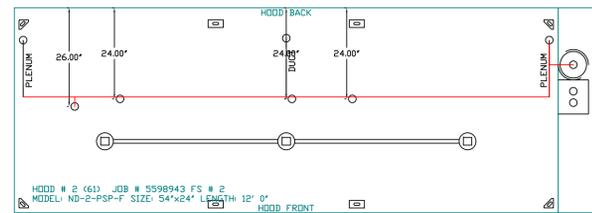


TYPICAL ANSUL R-102 SYSTEM LAYOUT

INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE. TWO SITE VISITS ARE REQUIRED: VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST. ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES. THE MECHANICAL/ELECTRICAL GAS VALVE PER SYSTEM ENGINEER DRAWING SHALL BE INSTALLED IN THE LOCATION NOTED ABOVE. THE LISTED APPLIANCE SHALL BE INSTALLED IN THE LOCATION NOTED ABOVE. THE LISTED APPLIANCE SHALL BE INSTALLED IN THE LOCATION NOTED ABOVE. THE LISTED APPLIANCE SHALL BE INSTALLED IN THE LOCATION NOTED ABOVE.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/LINKAGE ASSEMBLY.



NOTES

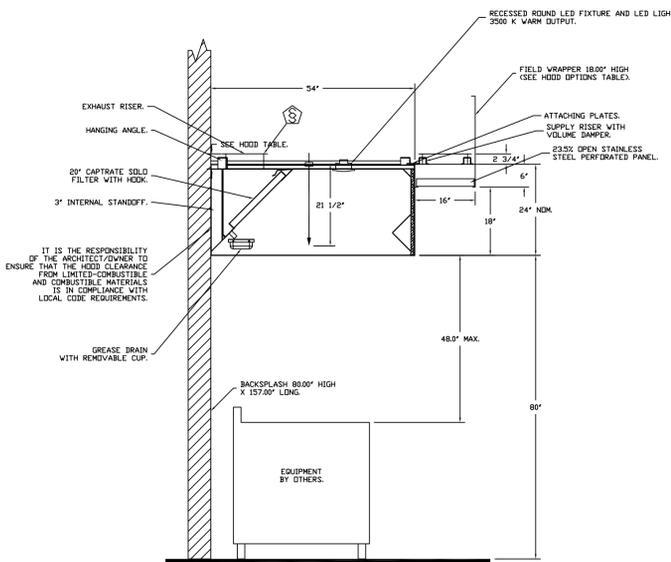
- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 1 60IN LONG PIECE OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE COVERING A RANGE, FRYER, OR WOK TO REFLECT GENERAL PIPING REQUIREMENTS.
- IF APPLICABLE, PRE-PIPED CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6' ABOVE THE TOP OF THE HOOD.
- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.
- THIS FIRE SYSTEM COMPLIES WITH UL 300 REQUIREMENTS.

JOB #: 5598943.
JOB NAME: BAHAMAR 2022.

SYSTEM SIZE: ANSUL-3.0 TOTAL FP REQUIRED: 11.
HOOD # 2 12' 0.00' LONG x 54' WIDE x 24' HIGH.
RISER # 1 SIZE: 10" x 27".
HOOD # 2 METAL BLOW-OFF CAPS INCLUDED.

LEGEND - FIRE CABINET ANSUL SYSTEM

- 1A 15 GALLON TANK.
- 1B 3 GALLON TANK.
- 2 DEM AUTOMAN RELEASE.
- 3 DEM REGULATED RELEASE.
- 4 DEM REGULATED ACTUATOR.
- 5 ANSULEX LIQUID AGENT (3 GAL.).
- 6 ANSULEX LIQUID AGENT (1.5 GAL.).
- 7 CARTRIDGE (101-20).
- 8 CARTRIDGE (101-10).
- 9 CARTRIDGE (101-30).
- 9A CARTRIDGE (LT-A-101-30).
- 9B DOUBLE TANK CARTRIDGE.
- 10 TEST LINK.
- 11 DOUBLE MICROSWITCH.
- 12 HOSE ASSEMBLY.
- 1100 DUCT NOZZLE (430913).
- 2W DUCT NOZZLE (419337).
- 1W NOZZLE ASSEMBLY (419336).
- 1F NOZZLE ASSEMBLY (419333).
- 1N NOZZLE ASSEMBLY (419335).
- 1/2N NOZZLE ASSEMBLY (419334).
- 3N NOZZLE ASSEMBLY (419338).
- 245 NOZZLE ASSEMBLY (419340).
- 230 NOZZLE ASSEMBLY (419339).
- 2120 NOZZLE ASSEMBLY (419343).
- 290 NOZZLE ASSEMBLY (419342).
- 260 NOZZLE ASSEMBLY (419341).
- 2B DETECTOR BRACKET.
- 30 LOW TEMP FUSIBLE LINK.
- MGV MECHANICAL GAS VALVE.
- EGV ELECTRICAL GAS VALVE.
- 34 REMOTE MANUAL PULL STATION.
- S SWIVEL ADAPTOR.



SECTION VIEW - MODEL 5424AH-ND-2-PSP-P HOOD - #2

DUCT NOZZLE AND PLENUM SPRAY BAR LOCATION

BAHAMAR 2022 61
MIAMI, FL,

DATE: 8/17/2022
DWG.#: 5603567
DRAWN BY:
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 3

**Baha Mar
Marcus Up Top
Nassau, Bahamas**



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Dayne Gauntlett
Scale
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Sheet
FS-6.3

EXHAUST FAN INFORMATION - JOB#5603567

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SDNES
1	KEF-61	1	AH-DUB04FA	ADVANCED HOOD	2880	1.250	1216	ODP PREMIUM	1.500	1.2900	3	208	6.6	665 FPM	211	17.6598882796382

MUA FAN INFORMATION - JOB#5603567

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLDWR	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL.	HP	BHP	PHASE	VOLT	FLA	MCA	MDCP	WEIGHT (LBS)	SDNES
2	KSF-61	1	AH-A1-15D	ISMF-1-MOD	A1	-	2304	0.650	2100	ODP PREMIUM	2.000	1.5590	3	208	6.1	7.7A	15A	319	30.7575548550248

FAN OPTIONS

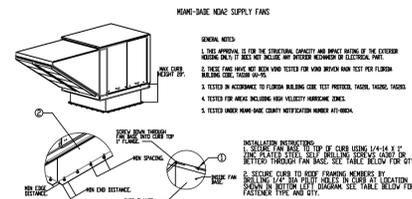
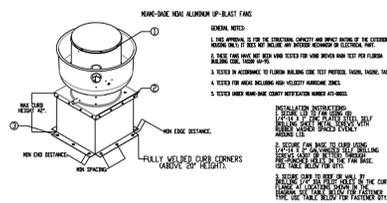
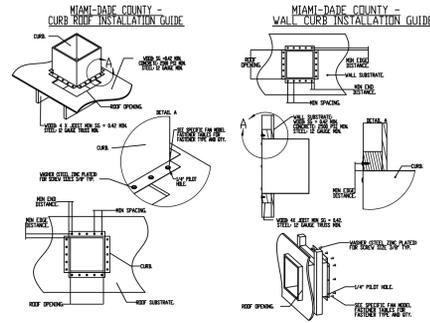
FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-61	1	GREASE BOX
		1	FULL CRATING FOR EXHAUST FANS
		1	MIAMI DADE CERTIFICATION - NDA-1 ALUMINUM UPBLAST
2	KSF-61	1	2 YEAR PARTS WARRANTY
		1	SIZE 1 UNTEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	FULL CRATING FOR UNTEMPERED FANS
1	KEF-61	1	MIAMI DADE CERTIFICATION - NDA-2 SUPPLY
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST	SUPPLY
		GRAVITY CLIP DAMPER	WALL MOUNT DISCHARGE SIDE GRAVITY DAMPER
1	KEF-61	YES	
2	KSF-61		

CURB ASSEMBLIES

NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-61	34 LBS	CURB	26.500"W X 26.500"L X 26.000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	KSF-61	29 LBS	CURB	21.000"W X 21.000"L X 20.000"H ALONG LENGTH, RIGHT.

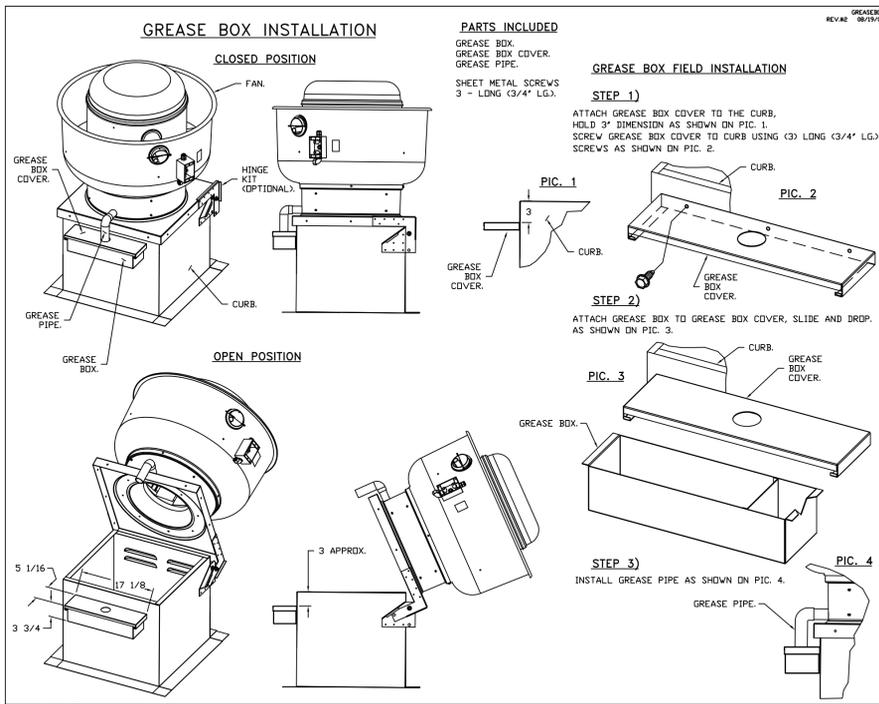


CURB MATERIAL
OF 1/2" X 1/2" X 1/4" IS 36 STEEL.
MINIMUM OF 1/2" X 1/2" X 1/4" IS 36 STEEL.

INSTALLATION FASTENER TYPES		WOOD (2x4 & 4x4 MIN)	STEEL (1/2 GAUGE MIN)	CONCRETE (2000 PSI MIN. GRADE)
FASTENERS	1/4" X 1/2" SELF DRILLING SCREW (ECC) OR PLATED LAG BOLT	3/8" DIA. (3/8" DIA. OR LARGER) SELF DRILLING SCREW	3/8" DIA. (3/8" DIA. OR LARGER) SELF DRILLING SCREW	3/8" DIA. (3/8" DIA. OR LARGER) SELF DRILLING SCREW
MINIMUM THROUGH PENETRATING DISTANCE	NA	3/4"	1/2"	2"
MINIMUM EDGE DISTANCE	NA	1/4"	3/8"	1"
MINIMUM SPACING	NA	3/4"	3/4"	3/4"

CURB MATERIAL
OF 1/2" X 1/2" X 1/4" IS 36 STEEL.
MINIMUM OF 1/2" X 1/2" X 1/4" IS 36 STEEL.

INSTALLATION FASTENER TYPES		WOOD (2x4 & 4x4 MIN)	STEEL (1/2 GAUGE MIN)	CONCRETE (2000 PSI MIN. GRADE)
FASTENERS	1/4" X 1/2" SELF DRILLING SCREW (ECC) OR PLATED LAG BOLT	3/8" DIA. (3/8" DIA. OR LARGER) SELF DRILLING SCREW	3/8" DIA. (3/8" DIA. OR LARGER) SELF DRILLING SCREW	3/8" DIA. (3/8" DIA. OR LARGER) SELF DRILLING SCREW
MINIMUM THROUGH PENETRATING DISTANCE	NA	3/4"	1/2"	2"
MINIMUM EDGE DISTANCE	NA	1/4"	3/8"	1"
MINIMUM SPACING	NA	3/4"	3/4"	3/4"



*NOTE: UL 705 INSTALL.

REVISIONS

NO.	DESCRIPTION	DATE

ADVANCED HOOD SYSTEMS
Advanced Hood Systems, LLC
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BAHAMAR 2022 61
MIAMI, FL,

DATE: 8/17/2022
DWG.#: 5603567
DRAWN BY:

SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 4

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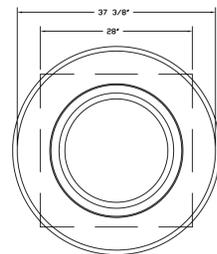
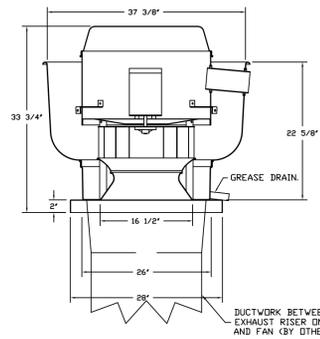
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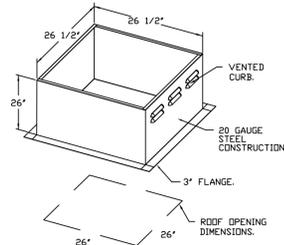
FAN #1 AH-DU80HFA - EXHAUST FAN QCF-62



TOP VIEW

- FEATURES:**
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
 - ROOF MOUNTED FANS.
 - RESTAURANT MODEL.
 - UL705 AND UL706 AND UL-5645
 - VARIABLE SPEED CONTROL.
 - INTERNAL WIRING.
 - THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
 - HIGH HEAT OPERATION 300°F (149°C).
 - GREASE CLASSIFICATION TESTING.
 - NEMA 3R SAFETY DISCONNECT SWITCH.
- NORMAL TEMPERATURE TEST**
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM AND WITHOUT ANY DEGRADING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.
- ABNORMAL FLARE-UP TEST**
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (315°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT WOULD CAUSE AN UNSAFE CONDITION.
- OPTIONS**
- GREASE BOX.
 - FULL CRATING FOR EXHAUST FANS.
 - MIAMI BASE CERTIFICATION - NMA-1 ALUMINUM UPBLAST.
 - 2 YEAR PARTS WARRANTY.

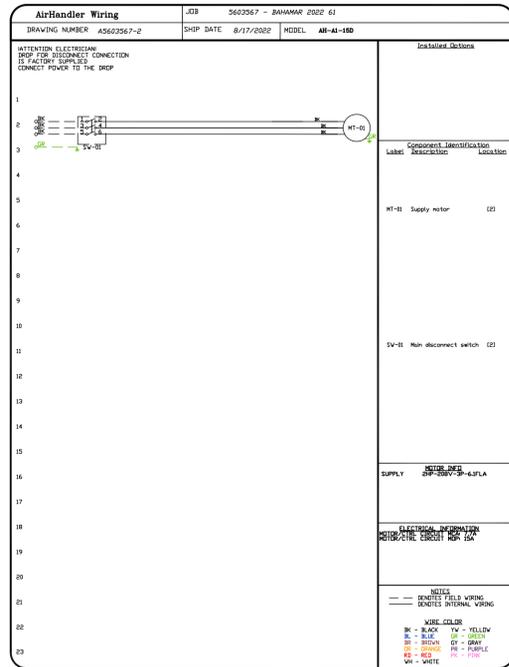
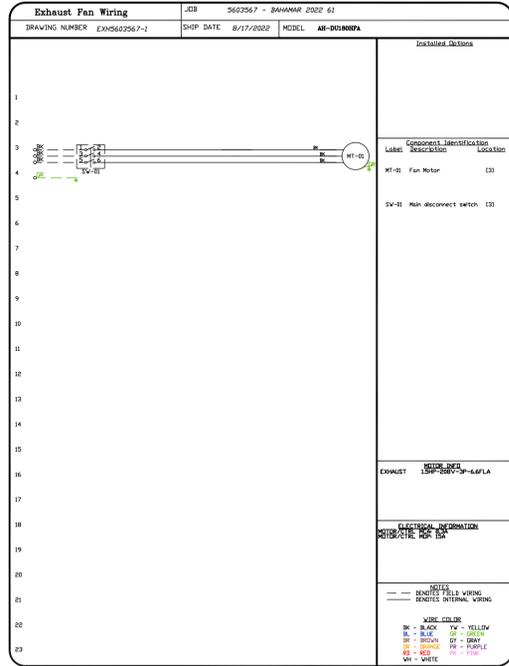
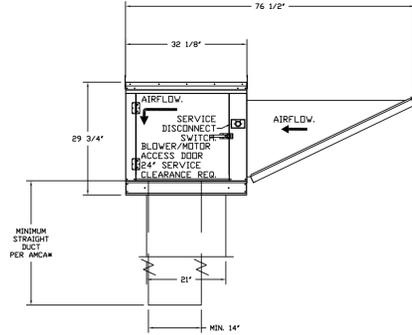
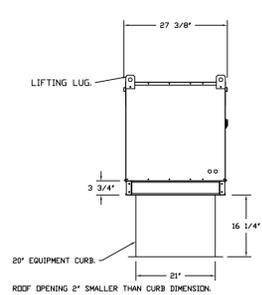
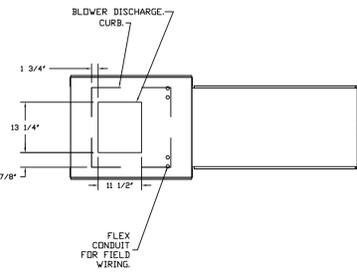
DUCTWORK BETWEEN EXHAUST RISER IN HOOD AND FAN (BY OTHERS).



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

- FAN #2 AH-AI-150 - SUPPLY FAN QCS-6D
1. UNTEMPERED SUPPLY UNIT WITH 15\"/>

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 200. 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 INSTANTLY 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 14\"/>



REVISIONS		
NO.	DESCRIPTION	DATE

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Advanced Hood Systems, LLC
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