

HOOD INFORMATION - Job#2117326

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM						MUA CFM	AC CFM	HOOD CONSTRUCTION	HOOD CONFIG.	
					TOTAL EXH. CFM	RISER(S)				S.P.				END TO	RDW
					WIDTH	LENG.	DIA.	CFM							
1		5424 ND-2-ACPSP-F	10' 11.00"	600 Deg.	2948	10'	28'	2948	-0.864'	2064	720	430 SS Where Exposed	LEFT	ALONE	
2		5424 ND-2-ACPSP-F	10' 11.00"	600 Deg.	2948	10'	28'	2948	-0.864'	2064	720	430 SS Where Exposed	RIGHT	ALONE	

HOOD INFORMATION

HOOD NO.	TAG	FILTER(S)				LIGHT(S)			UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WGT			
		TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 9 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	FIRE SYSTEM				ELECTRICAL	SWITCHES	
												TYPE	SIZE	MODEL #	QUANTITY		
1		Captrate Solo Filter	8	20"	16'	93% See Filter Spec.	4	L55 Series E26	NO	Left	Ansul R102		3.0/3.0/1.5	SC-321110FP	1 Light 1 Fan	YES	838 LBS
2		Captrate Solo Filter	8	20"	16'	93% See Filter Spec.	4	L55 Series E26	NO							YES	722 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION			
1		FIELD WRAPPER	19.00'	High	Front, Left
		BACKSPLASH	80.00'	High X	274.00' Long 430 SS
2		FIELD WRAPPER	19.00'	High	Front, Right

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
1		Front	143'	26'	6'	MUA	12"	28"		688	0.179'
						MUA	12"	28"		688	0.179'
						MUA	12"	28"		688	0.179'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
2		Front	131'	26'	6'	MUA	12"	28"		688	0.179'
						MUA	12"	28"		688	0.179'
						MUA	12"	28"		688	0.179'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'
						AC			8"	120	0.045'

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO 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.

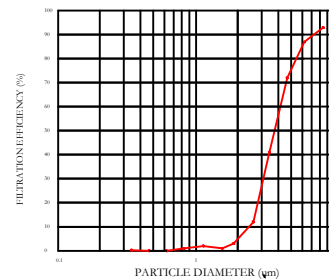
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

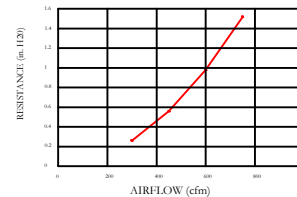
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 90% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05.

FILTER COLLECTION EFFICIENCY 2" Captrate Grease-Stop Solo Filter



RESISTANCE VS. AIRFLOW - 2" Captrate Grease-Stop Solo Filter

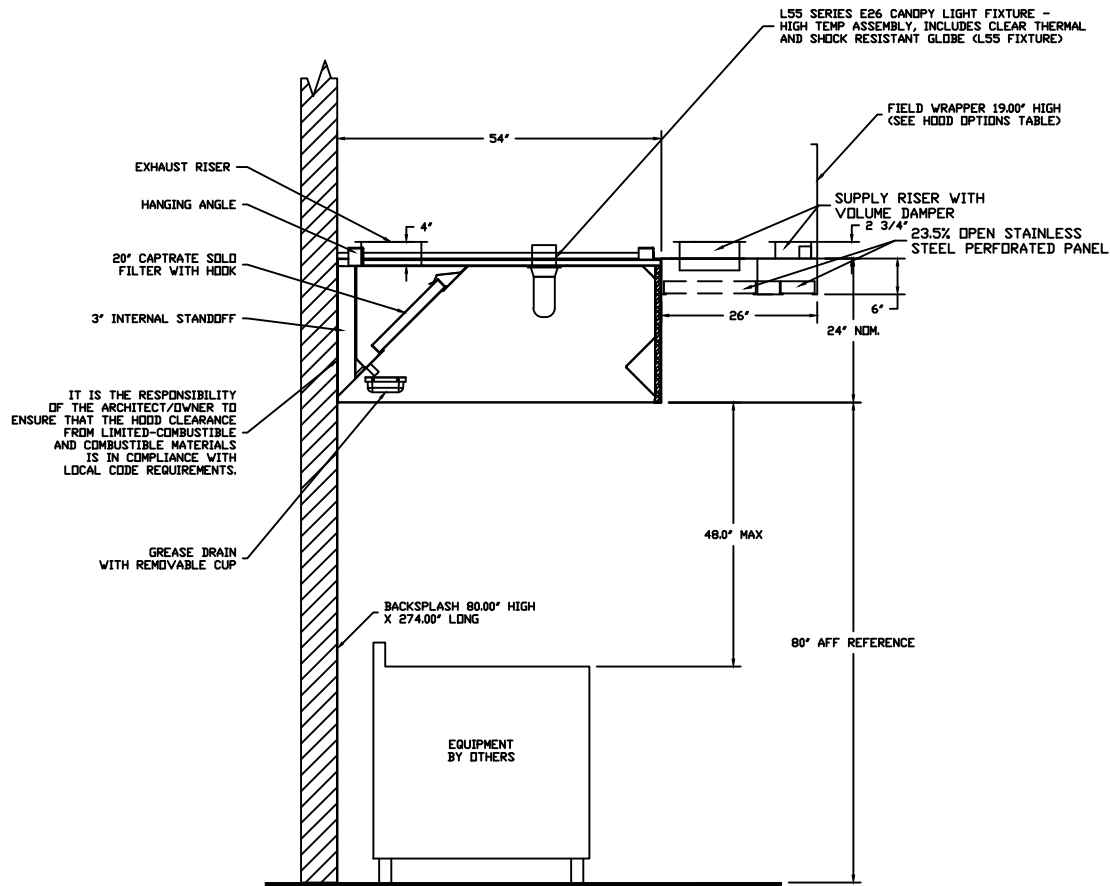


CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
 NFPA #96
 NSF STANDARD #2
 UL STANDARD #1046
 INT. MECH. CODE (IMC)

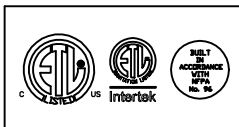


CAPTIVEAIR®

JOB Mugshots Ridgeland, MS	
LOCATION RIDGELAND, MS, 39157	
DATE 8/20/2014	JOB # 2117326
DWG # 1	DRAWN BY ASE
REV.	SCALE 3/8" = 1'-0"



SECTION VIEW - MODEL 5424ND-2-ACPSP-F
HOODS - #1, #2



CAPTIVEAIR

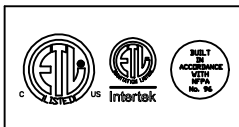
JOB Mugshots Ridgeland, MS	
LOCATION RIDGELAND, MS, 39157	
DATE 8/20/2014	JOB # 2117326
DWG # 3	DRAWN BY ASE
REV.	SCALE 3/8" = 1'-0"

Fire System Information - Job#2117326

FIRE SYSTEM NO.	Tag	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		Ansul R102	3.0/3.0/1.5	8	Fire Cabinet Left	Left

Fire System Parts List Key

FIRE SYSTEM NO.	TAG	KEY NUMBER - PART DESCRIPTION	QTY. BY FACTORY	QTY. BY DIST.
1		0 - 0 - HOSE HOSE - Stainless Steel Actuation Hose, 42'	1	0
1		1 - 1 - AT - 1.5 TANK(#1A) - 1.5 Gallon SS Tank (for use with Automan Release, Actuator, or SS Enclosure (UL/ULC))	1	0
1		1 - 1 - AT - 3.0 TANK(#1B) - 3.0 Gallon SS Tank (for use with Automan Release, Actuator, or SS Enclosure (UL/ULC))	2	0
1		3 - 3 - ANS-DEM REGULATED RELEASE - Ansul Regulated Mechanical Release/Bracket Assembly, DEM, R-102	1	0
1		4 - 4 - ANS-DEMRA ACTUATOR - Regulated, DEM, R-102	1	0
1		5 - 5 - LIQ-3.0 AGENT - Ansulox Low PH Wet Chemical Agent, 3 Gallon (UL)	0	2
1		6 - 6 - LIQ-1.5 AGENT - Ansulox Low PH Wet Chemical Agent, 1.5 Gallon (UL)	0	1
1		7 - 7 - 101-20 CARTRIDGE - Carbon Dioxide 101-20, 3 Gallon Cartridge (R-102)	0	1
1		9 - 9 - 101-30 CARTRIDGE - Carbon Dioxide, 101-30, Cartridge (R-102)	0	1
1		10 - 10 - TLINK LINK - Test Link Package	0	1
1		11 - 11 - MICRO-SDA MICROSWITCH - Single Dual Electric Switch, One Standard Switch, One Alarm Duty Switch 437155	1	0
1		12 - 12 - HOSE HOSE - Rubber Hose	1	0
1		27 - 27 - QPSA-1/2 PULLEY SEAL - 1/2" Hood Seal (UL)	5	0
1		34 - 34 - RPS-A REMOTE PULL STATION - Red composite (without wire rope) 434618	1	0
1		35 - 35 - PE-LT PULLEY ELBDW - Low Temp. Pulley Elbow, Set Screw Type	5	0
1		36 - 36 - PE-HT PULLEY ELBDW - High Temp Pulley Elbow, Compression Type	4	0
		ADDITIONAL PARTS TO BE DETERMINED...		



CAPTIVEAIRE

JOB Mugshots Ridgeland, MS	
LOCATION RIDGELAND, MS, 39157	
DATE 8/20/2014	JOB # 2117326
DWG # 4	DRAWN BY ASE
REV.	SCALE 3/8" = 1'-0"

EXHAUST FAN INFORMATION - Job#2117326

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
1		NCA24HPFA	2948	1.750	977	2.000	3	208	6.2	238	22
2		NCA24HPFA	2948	1.750	977	2.000	3	208	6.2	238	22

MUA FAN INFORMATION - Job#2117326

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	CFM	ESP.	RPM	H.P.	Ø	VOLT	FLA	WEIGHT (LBS.)	SONES
3		A2-G12	G12	A2	4128	0.625	839	2.000	3	208	6.2	373	24

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1		1 - Grease Box
2		1 - Grease Box
3		1 - Wall Mount Option for Size 2 Untempered Fan

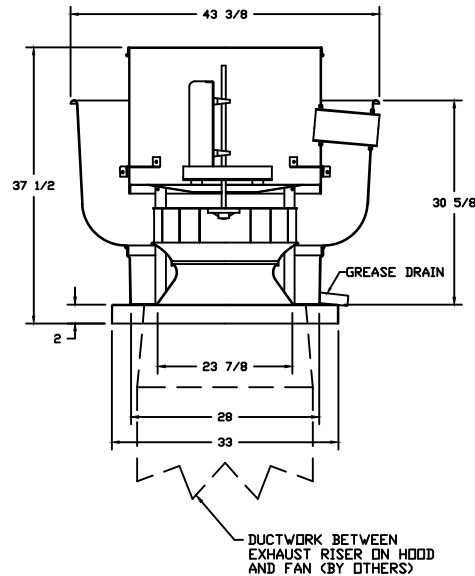
FAN ACCESSORIES

FAN UNIT NO.	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES						
2		YES						
3								YES

CURB ASSEMBLIES

NO.	DN FAN	WEIGHT	ITEM	SIZE
1	# 1	48 LBS	Curb	31.500"W x 31.500"L x 20.000"H 3.000:12.000 Pitch Vented Hinged
2	# 2	48 LBS	Curb	31.500"W x 31.500"L x 20.000"H 3.000:12.000 Pitch Vented Hinged
3	# 3	42 LBS	Curb	31.000"W x 31.000"L x 20.000"H 3.000:12.000 Pitch

FAN #1 NCA24HPFA - EXHAUST FAN



FEATURES:

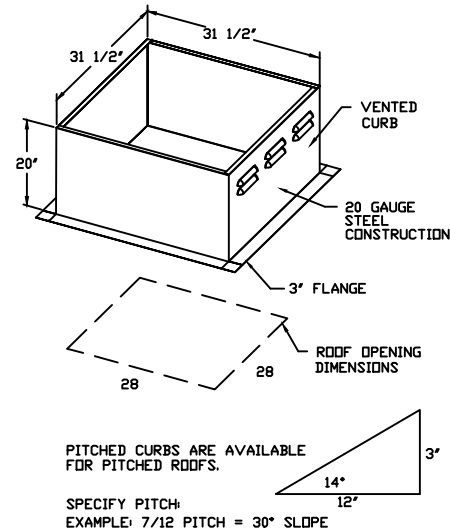
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

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 DETERIORATING 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 (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX



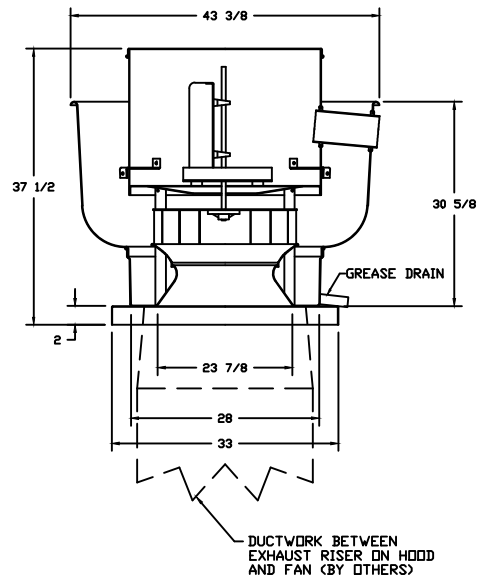






JOB Mugshots Ridgeland, MS	
LOCATION RIDGELAND, MS, 39157	
DATE 8/20/2014	JOB # 2117326
DWG # 5	DRAWN BY ASE
REV.	SCALE 3/8" = 1'-0"

FAN #2 NCA24HPFA - EXHAUST FAN



FEATURES:

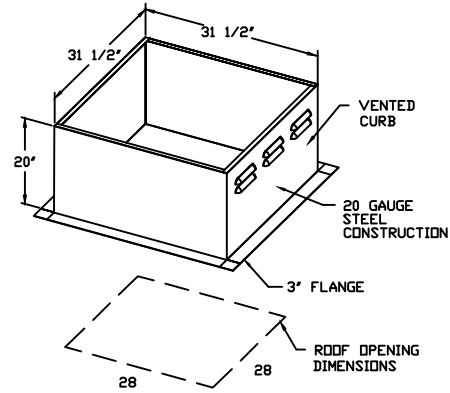
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

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 DETERIORATING 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 (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

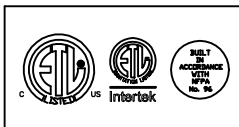
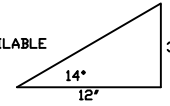
OPTIONS

GREASE BOX



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE

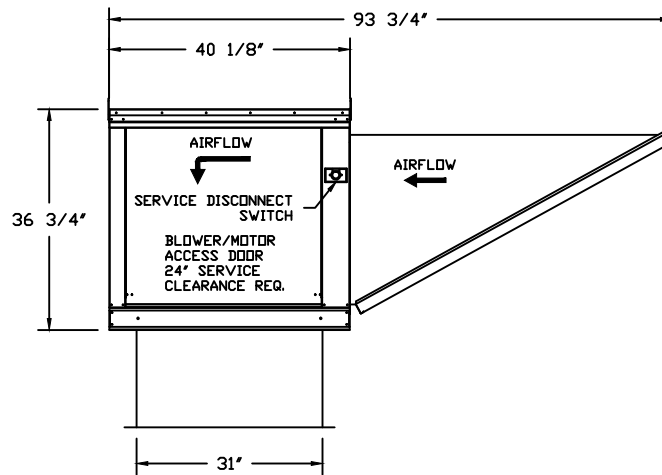
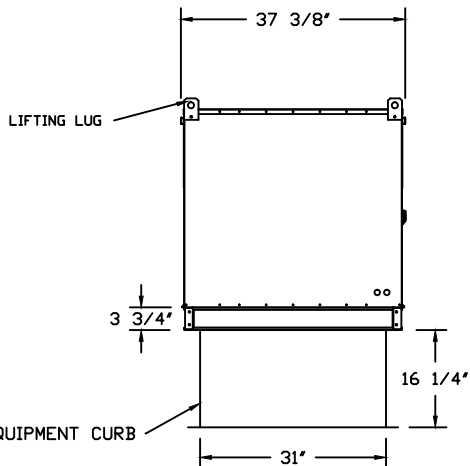
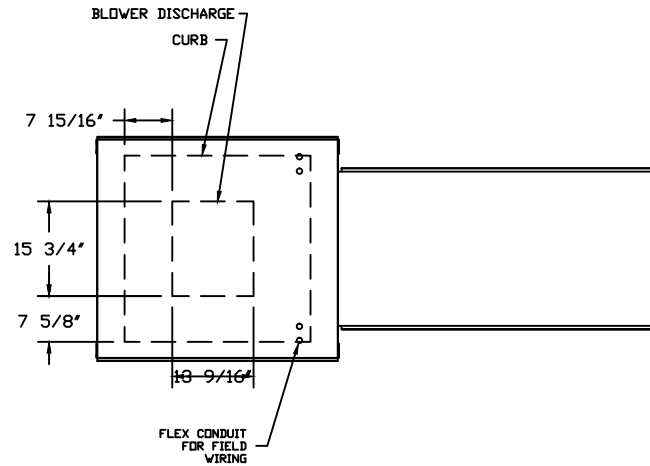


CAPTIVEAIRE

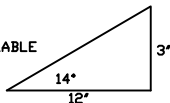
JOB Mugshots Ridgeland, MS	
LOCATION RIDGELAND, MS, 39157	
DATE 8/20/2014	JOB # 2117326
DWG # 6	DRAWN BY ASE
REV.	SCALE 3/8" = 1'-0"

FAN #3 A2-G12 - SUPPLY FAN

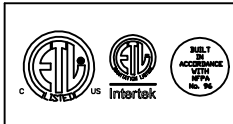
1. UNTEMPERED SUPPLY UNIT WITH 12" BLOWER IN SIZE #2 HOUSING
2. INTAKE HOOD WITH EZ FILTERS
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT
4. WALL MOUNT OPTION FOR SIZE 2 UN-TEMPERED MAKE-UP AIR FAN. 40' LONG ANGLE IRON FRAME.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE

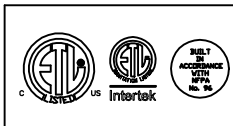


CAPTIVEAIRE

JOB Mugshots Ridgeland, MS	
LOCATION RIDGELAND, MS, 39157	
DATE 8/20/2014	JOB # 2117326
DWG # 7	DRAWN BY ASE
REV.	SCALE 3/8" = 1'-0"

ELECTRICAL PACKAGES – Job#2117326

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	Ø	H.P.	VOLTS	FLA
1		SC-321110FP	Utility Cabinet Left	Utility Cabinet Left	1 Light	Smart Controls Thermostatic Control	Exhaust	3	2.000	208	6.2
				Hood # 1	1 Fan		Exhaust	3	2.000	208	6.2
							Supply	3	2.000	208	6.2



CAPTIVEAIRE

JOB Mugshots Ridgeland, MS	
LOCATION RIDGELAND, MS, 39157	
DATE 8/20/2014	JOB # 2117326
DWG # 8	DRAWN BY ASE
REV.	SCALE 3/8" = 1'-0"

Exhaust Fan Wiring

JOB 2117326 - Mugsshots Ridgeland, MS

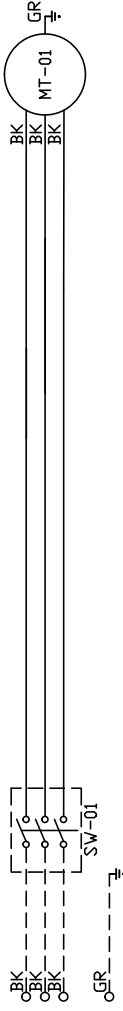
DRAWING NUMBER EXH2117326-1

SHIP DATE 8/20/2014

MODEL NCA24HPPA

Installed Options

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Component Identification
 Label Description Location
 MT-01 Fan Motor [2]

SW-01 Main disconnect switch [2]

EXHAUST

MOTOR INFO
 2HP-208V-3P-6.2FLA

ELECTRICAL INFORMATION
 MOTOR CONTROL MCF: 15A
 MOTOR/CONTROL MCF: 15A

NOTES

--- DENOTES FIELD WIRING
 - - - DENOTES INTERNAL WIRING

WIRE COLOR

BK - BLACK YW - YELLOW
 BL - BLUE GR - GREEN
 BR - BROWN GY - GRAY
 DR - DRANGE PR - PURPLE
 RD - RED PK - PINK
 WH - WHITE

Exhaust Fan Wiring

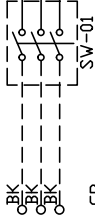
JOB 2117326 - Mugsshots Ridgeland, MS

DRAWING NUMBER EXH2117326-2

SHIP DATE 8/20/2014

MODEL NCA24HPPA

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Label Description Location
MT-01 Fan Motor [2]

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Component Identification
SW-01 Main disconnect switch [2]

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EXHAUST MOTOR INFO
2HP-208V-3P-6.2FLA

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ELECTRICAL INFORMATION
MOTOR CONTROL MCF: 15A
MOTOR/CONTROL MCF: 15A

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NOTES
--- DENOTES FIELD WIRING
---- DENOTES INTERNAL WIRING

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WIRE COLOR
BK - BLACK YW - YELLOW
BL - BLUE GR - GREEN
BR - BROWN GY - GRAY
OR - ORANGE PR - PURPLE
RD - RED PK - PINK
WH - WHITE

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Installed Options

AirHandler Wiring

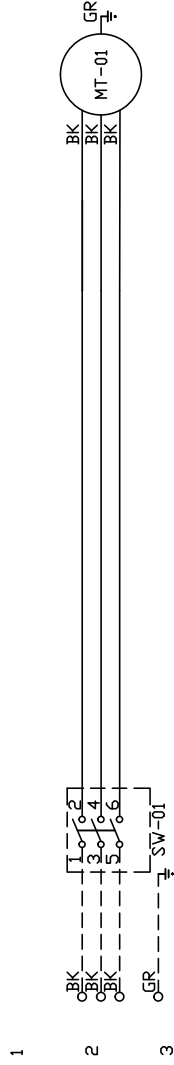
JOB 2117326 - Mugsshots Ridgeland, MS

DRAWING NUMBER A2117326-3

SHIP DATE 8/20/2014

MODEL A2-G12

ATTENTION ELECTRICIAN!
 DROP FOR DISCONNECT CONNECTION IS FACTORY SUPPLIED
 CONNECT POWER TO THE DROP



Installed Options

Component Identification Location

Label Description Location

MT-01 Supply motor [2]

SW-01 Main disconnect switch [2]

SUPPLY MOTOR_INFO 2HP-208V-3P-6.2FLA

ELECTRICAL INFORMATION MOTOR CONTROL CIRCUIT MOP 15A MOTOR CONTROL CIRCUIT MOP 15A

- NOTES
 - - - - DENOTES FIELD WIRING
 _____ DENOTES INTERNAL WIRING
- WIRE COLOR
 BK - BLACK YW - YELLOW
 BL - BLUE GR - GREEN
 BR - BROWN GY - GRAY
 OR - ORANGE PR - PURPLE
 RD - RED PK - PINK
 WH - WHITE

JOB NO
2117326

MODEL NUMBER
SC-321110FP

JOB NAME
Mugshots Ridgeland, MS

DRAWN BY
INSTALL

DATE
8/20/2014

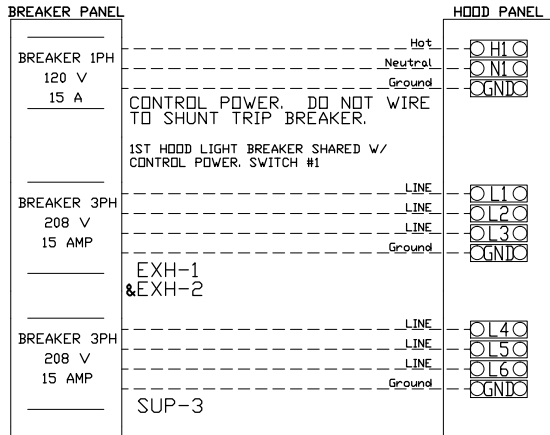
SCHEMATIC TYPE
DWG NO
ECP #1-1

DESCRIPTION OF OPERATION:

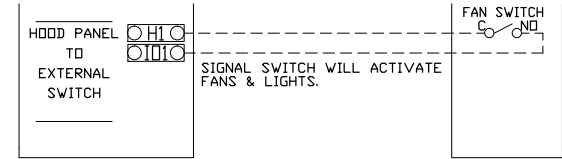
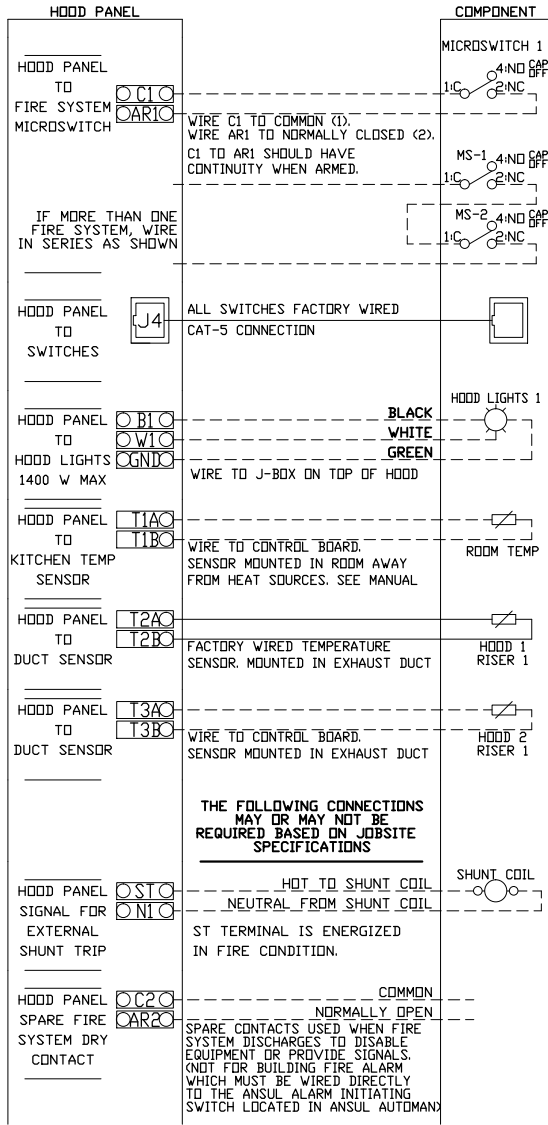
3 Phase w/ 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation.

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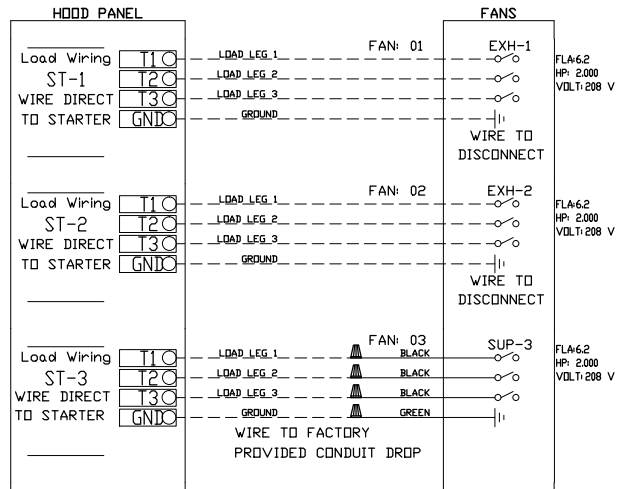
BREAKER PANEL TO HOOD CONTROL PANEL
Responsibility: Electrician



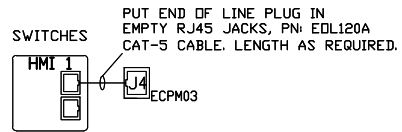
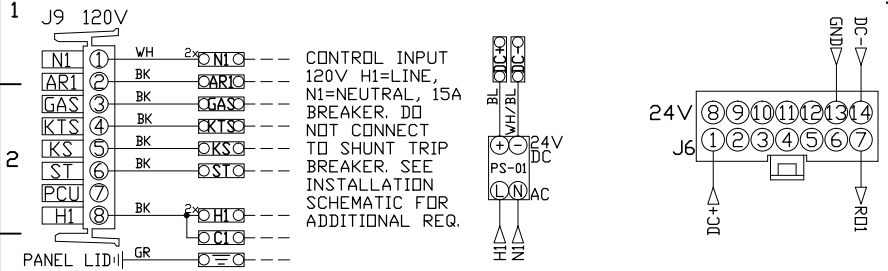
HOOD CONTROL PANEL TO ACCESSORY ITEMS
Responsibility: Electrician



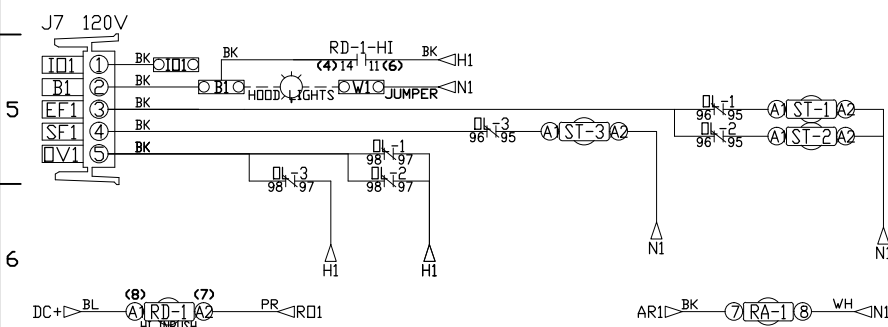
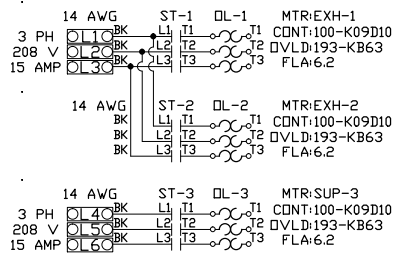
HOOD CONTROL PANEL TO FANS / MUA
Responsibility: Electrician



UNLESS SPECIFIED OTHERWISE, ALL FACTORY AC WIRING 16 AWG. ALL FACTORY DC WIRING 18 AWG. THE NUMBERS IN PARENTHESES ARE SPECIFIC TO 24V CLION RELAY.PN: 34.110.0188.0



MOTOR POWER CIRCUIT



FACTORY WIRING SCHEMATIC CIRCUIT BOARDS
ECPM03 Rev. 1.32
HMI Rev. 1.06

RA-x	RD-x
120 VAC RELAY	24 VDC RELAY
NO 4 3	14 NO
NC 2 1	12 NC
COIL 8 7	+A1A2 COIL
COM 6 5	11 COM

COMPONENT LIST

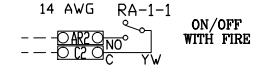
LABEL	DESCRIPTION
ST-x	Starter Pivaries
DL-x	Overload Pivaries
C-x	Contactur Pivaries
PS-1	Power Sup. 24VDC PNR-15-24
RA-x	120V Relay DPDT PN-34.110.0184.0
RD-x-HI	24VDC High Inrush PN-788-324-High-In.
TS-x	Duct Thermostat PWA/OP-PD-14-EXPL

LEGEND

--- FIELD WIRING
 ——— FACTORY WIRING

BK- BLACK YW- YELLOW
 BL- BLUE GY- GREY
 BR- BROWN PR- PURPLE
 DR- ORANGE RD- RED
 WH- WHITE
 DR/BL- DR/BL STRIPE
 BL/RD- BL/RD STRIPE
 RD/GN- RD/GN STRIPE
 WH/BL- WH/BL STRIPE

DRY CONTACTS (SHOWN DE-ENERGIZED)



JOB NAME
 Mugsshot's Ridgela...

DRAWING TITLE
 SC-321110FP

DESCRIPTION OF OPERATION
 3 Phase w/ 2 Exhaust Fans, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans) On/Off Thermostatically Controlled, Room temperature sensor shipped loose for field installation.

JOB NO 2117326	DRAWN BY
TYPE FACTORY	DATE 8/20/2014
DWG NO ECP #1-2	