KEF-1 GRIDDLE FAN (CANOPY HOOD)

EXHAUST FAN INFORMATION

FAN UNIT MODEL #	MODEL	CFM	ESP.	RPM	H.P.	#	VOLT	FLA	WEIGHT (LBS.)	SONES
DU50HFA	DU50HFA	1000	1.000	1471	0.500	1	115	8.4	84	15.3

FAN OPTIONS

1 – Grease Box

CURB ASSEMBLIES

ON FAN	WEIGHT	ITEM	SIZE
DU50HFA	38 LBS	Curb	19.500"W x 19.500"L x 26.000"H Vented Hinged

VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

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

IF ROOF INSULATION THICKENESS IS GREATER THAN 7.5" PLEASE CONTACT CAPTIVEAIRE TO EITHER ORDER TALLER CURBS OR WINDBAND EXTENSION

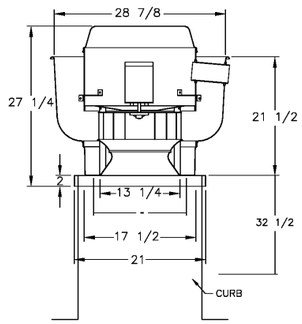
ATTENTION!

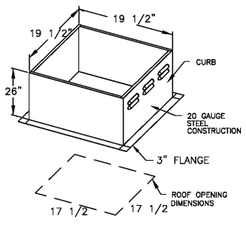
INSTALLER MUST READ LABEL NEAR DISCONNECT SWITCH!

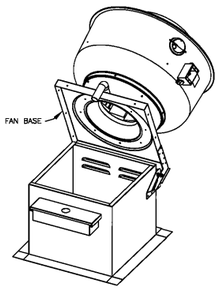
MESSAGE ON LABEL:

"INSTALLER SHOULD SUPPLY ENOUGH ELECTRICAL CORD TO LET FAN MAKE COMPLETE SWING"

FAN #1 DU50HFA – EXHAUST FAN







FEATURES:

- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- 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	Jersey Mike's Subs		
LOCATION	High Point, NC		
DATE	11/4/19	JOB #	4046725
DWG #	5	DRAWN BY	DL-32
REV.		SCALE	Not To Scale

KSF-1 NON TEMPERED SUPPLY FAN (DOWN DISCHARGE)

*NOTE: Verify CFM with Hood Drawing

MUA FAN INFORMATION

FAN UNIT MODEL #	BLOWER	HOUSING	CFM	ESP.	RPM	H.P.	B.H.P.	#	VOLT	FLA	WEIGHT (LBS.)	SONES
A1-G10	G10D	A1	750	0.500	814	1.000	0.4140	1	115	10.2	212	16.1

FAN OPTIONS

OPTION (Qty. – Descr.)
1 – ECM Wiring Package-Supply Fans Untempered– Manual Speed Control.

CURB ASSEMBLIES

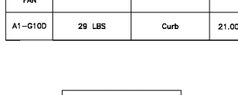
ON FAN	WEIGHT	ITEM	SIZE
A1-G10D	29 LBS	Curb	21.000"W x 21.000"L x 20.000"H

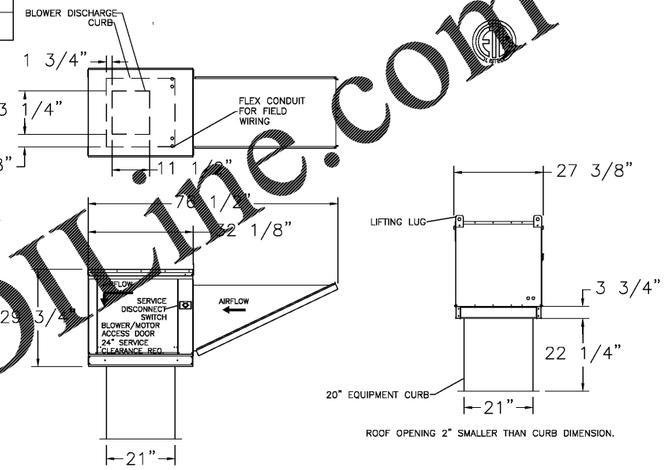
FAN #3 A1-G10D – SUPPLY FAN (DOWN)
1. DIRECT DRIVE DIRECT DRIVE UNTEMPERED SUPPLY UNIT WITH 10" BLOWER IN SIZE #1 HOUSING WITH SPEED CONTROL, DISCONNECT SWITCH.
2. INTAKE HOOD WITH EZ FILTERS
3. DOWN DISCHARGE – AIR FLOW RIGHT –> LEFT
4. ECM WIRING PACKAGE AND MANUAL CONTROL FOR ECM MOTORS ON SUPPLY FA

VERIFY ROOF PITCH

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

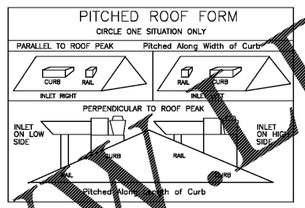
SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE





ROOF OPENING 2" SMALLER THAN CURB DIMENSION.

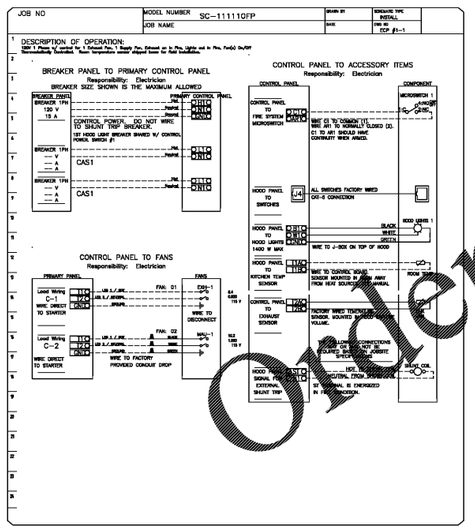
PITCHED ROOF FORM
CIRCLE ONE SITUATION ONLY

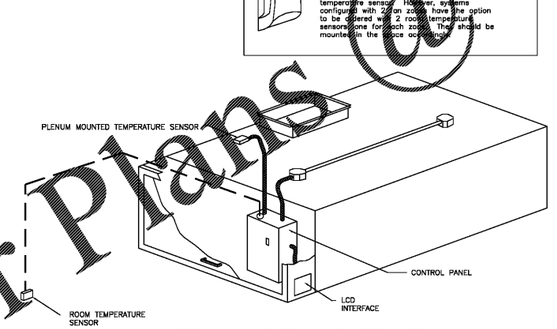


JOB	Jersey Mike's Subs		
LOCATION	High Point, NC		
DATE	11/4/19	JOB #	4046725
DWG #	6	DRAWN BY	DL-32
REV.		SCALE	Not To Scale

ELECTRICAL PACKAGES

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		FAN TAG	TYPE	Φ	H.P./VOLT	FLA
1		SC-111110FP	Left Utility Cabinet	Utility Cabinet Left	1 Light	Smart Controls Thermostatic Control		Exhaust	1	0.500/115	8.4
				Hood # 1	1 Fan		DOWN	Supply	1	1.000/115	10.2





TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATION – HOOD CONTROLS
ELECTRICAL PACKAGE: FP SERIES

Once all power, light and temperature sensor circuits are properly landed on the control terminal block the LCD interface will be illuminated. All temperature readings are measured by resistive temperature sensors (thermistors) installed in each hood exhaust riser. One room temperature sensor is installed in the space to measure ambient air temperature.

Two methods to activate system:

Manual activation:
Operator presses the fan button to energize starter(s) and start the exhaust fan(s). Supply fan(s), if present, will be activated 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 exceeds pre-set differential with respect to ambient room temperature (factory setpoint differential = 10 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.

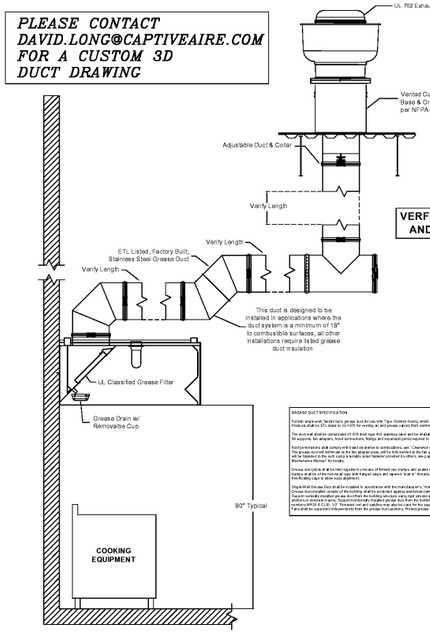
FIRE CONDITION
IN THE EVENT OF A FIRE, A SIGNAL IS SENT ACROSS THE NORMALLY OPEN DRY CONTACT OF THE FIRE SUPPRESSION SYSTEM MICROSWITCH (INTERLOCKED WITH HOOD CONTROL PANEL BY ELECTRICIAN). EXHAUST FAN(S) TO REMAIN RUNNING, SUPPLY FAN(S) TO DE-ENERGIZE, LIGHTING CIRCUIT(S) TO DE-ENERGIZE, GAS/ELECTRIC TO SHUT OFF. MICROSWITCH MUST BE RESET PRIOR TO RESUMPTION OF NORMAL OPERATION.

JOB	Jersey Mike's Subs		
LOCATION	High Point, NC		
DATE	11/4/19	JOB #	4046725
DWG #	7	DRAWN BY	DL-32
REV.		SCALE	Not To Scale

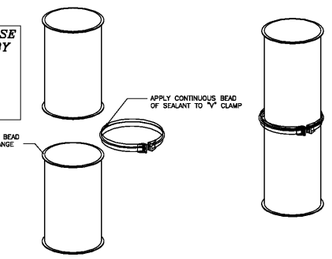
GRIDDLE HOOD DUCTWORK

PLEASE CONTACT DAVID.LONG@CAPTIVEAIRE.COM FOR A CUSTOM 3D DUCT DRAWING

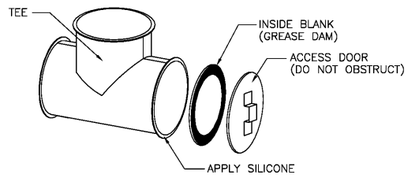
CAPTIVEAIRE LISTED GREASE DUCTWORK IS PROVIDED BY GENERAL CONTRACTOR, CONTACT Reg32na@captiveaire.com 800-988-0881 FOR PROCUREMENT



VERFIY EXHAUST RUN AND ROOF HEIGHT



(D) APPLICATION OF SEALANT



(E) APPLICATION OF SEALANT II

DUCTWORK PROVIDED THROUGH THE GENERAL CONTRACTOR

JOB	Jersey Mike's Subs		
LOCATION	High Point, NC		
DATE	11/4/19	JOB #	4046725
DWG #	8	DRAWN BY	DL-32
REV.		SCALE	Not To Scale

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THE PALLADIUM SHOPPING CENTER
4117 BRIAN JORDAN PLACE
HIGH POINT, NC 27265

NORTH CAROLINA PROFESSIONAL SEAL 31205 ENGINEER TERRY S. MIKULA
11-04-19
ARCHITECT/ENGINEER STAMP

REV.NO	DATE	DESCRIPTION

PROJECT NO. JMNC-200
DRAWN BY: SW
CHECKED BY: KM
ISSUE DATE: 11/04/19

HOOD AND FAN DETAILS-2

H1.03

Ray Group Consulting Engineers, Inc.
1827 Powers Ferry Road
Building 20, Suite 100
Atlanta, Georgia 30339
Tel. (770) 953-1443
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