EXHAUST FAN INFORMATION – Job#2913705

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	ø	VOLT	FLA	WEIGHT (LBS.)	SONES
1		NCA16FA	3450	1.250	1223	2.000	1.3860	3	208	5.9	184	17.6
2		NCA16FA	3450	1.250	1223	2.000	1.3860	3	208	5.9	184	17.6
3		DD7FA	450	0.250	1128	0.250	0.0850	1	115	4.8	89	6.2

MUA FAN INFORMATION – Job#2913705

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	DESIGN CFM	ESP.	RPM	H.P.	B.H.P.	ø	VOLT	FLA	COOLING COIL ENTERING DB TEMP.	COOLING COIL ENTERING WB TEMP.	COOLING COIL LEAVING DB TEMP.	COOLING COIL LEAVING WB TEMP.	COOLING COIL TOTAL CAPACITY	COOLING COIL SENSIBLE CAPACITY	COOLING COIL LATENT CAPACITY	WEIGHT (LBS.)	SONES	BURNER EFFICIENCY(%)
4		A3-D.500-G18	G18-PB	A3-D.500	5520	0.750	922	5.000	3.7630	3	208	15.0	95.0°F	78.0°F	81.9°F	72.9°F	120.0 MBH	77.9 MBH	42.1 MBH	1674	17.7	92

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTUs	OUTPUT BTUs	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
4		407160	374587	65 deg F	7 in. w.c. - 14 in. w.c.	Natural

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION (Qty. - Descr.)
1		1 - Grease Box
		1 - Upblast Fan Wheel Access Port
2		1 - Grease Box
		1 - Upblast Fan Wheel Access Port
3		1 - I 15-BDD Damper
4		1 - AC Interlock Relay - 24VAC Coil
		1 - Low Fire Start
		1 - Inlet Pressure Gauge, 0-35"
		1 - Manifold Pressure Gauge, -5 to 15" wc
		1 - Motorized Backdraft Damper for A3-D Housing
		1 - DX Coil Module -3,000 to 7,000 CFM (10 Ton 2 Circuit Coil)
		1 - Downturn Plenum for Size 3 DX Coil Module
		1 - 10 Ton, 2 Circuit, 208/230V 3 Phase Condenser Kit. 4-6 week lead time.
		1 - Curb Duct Hanger
		1 - Cooling Thermostat and Relay (Not req for evap)
		1 - DXM 3-1 Refrigeration Parts Kit - R410A

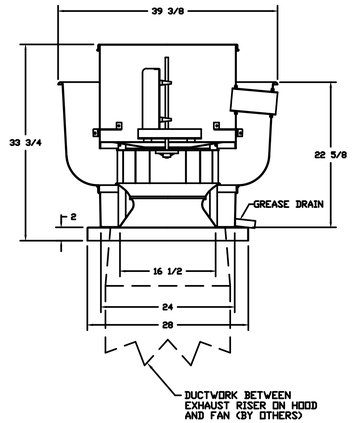
FAN ACCESSORIES

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					
4							YES	

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
2	# 2	34 LBS	Curb	26.500"W x 26.500"L x 24.000"H Vented Hinged
3	# 3	18 LBS	Curb	19.500"W x 19.500"L x 12.000"H
4	# 4	82 LBS	Curb	35.000"W x 84.000"L x 20.000"H Insulated
	# 4		Rail	6.000"W x 35.000"L x 20.000"H

FANS #1, #2 - NCA16FA EXHAUST FAN



FEATURES:

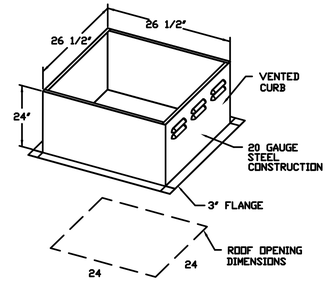
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

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.

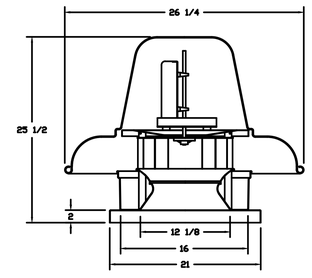
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX
UPBLAST FAN WHEEL ACCESS PORT



FAN #3 DD7FA - EXHAUST FAN

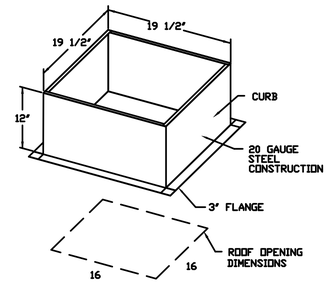


FEATURES:

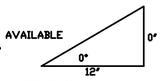
- ROOF MOUNTED FANS
- UL705
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- DISCONNECT SWITCH
- STANDARD BIRD SCREEN

OPTIONS

I 15-BDD DAMPER

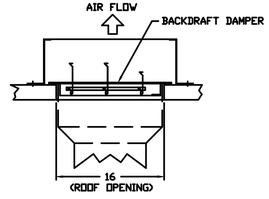


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



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

BACKDRAFT DAMPER INSTALLATION



REVISIONS

	DESCRIPTION	DATE
1		
2		
3		
4		

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Panda Express - Suwanee GA (S8-17-D4968)

DATE: 2/7/2017

DWG.#: 2913705

DRAWN BY: AHJ-86

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

MASTER DRAWING

SHEET NO. 3

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REVISIONS:

ISSUE DATE:

1st	ISSUE FOR PERMIT	02-15-17
2nd	ISSUE FOR BID	02-22-17

DRAWN BY:

PANDA PROJECT #: S8-17-D4968.
ARCH PROJECT #: 1703

Project No. PE1703

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2-21-2017

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HOOD DETAIL PLAN

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