EXHAUST FAN INFORMATION – Job#3570621

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS.)	SONES
1		NCA16FA	3450	1.250	1223	2.000	1.3860	3	208	5.9	797 FPM	184	17.6
2		NCA16FA	3450	1.250	1223	2.000	1.3860	3	208	5.9	797 FPM	184	17.6
3		DD7FA	450	0.250	1128	0.250	0.0850	1	115	4.8		89	6.2

MUA FAN INFORMATION – Job#3570621

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	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	3500	5520	0.750	938	5.000	3.7300	3	208	15.0	95.0IF	78.0IF	81.6IF	72.6IF	120.0 MBH	77.9 MBH	42.1 MBH	1676	18.2	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		590400	543168	100 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 – VAV Package w/ Manual Control (VFD Included)
		1 – 10 Ton, 2 Circuit, 208/230V 3 Phase Condenser Kit. 4–6 week lead time.
		1 – DXM 3–1 Refrigeration Parts Kit – R410A
		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 – Cooling Thermostat and Relay (Not req for evap)
		1 – VFD factory mounted and wired in commercial control vestibule for tempered supply 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					
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	30 LBS	Rail	6.000"W x 35.000"L x 20.000"H
4	# 4	82 LBS	Curb	35.000"W x 84.000"L x 20.000"H Insulated

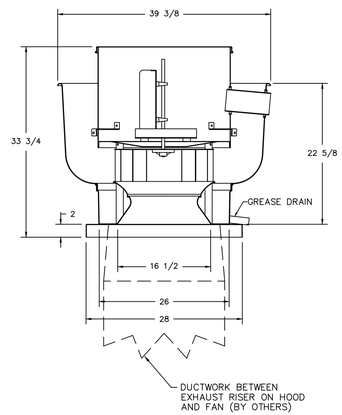
NOTE: UNLESS OTHERWISE STATED, PANDA RESTAURANT GROUP SHALL PROVIDE ALL EQUIPMENT ON THE FOLLOWING CAPTIVEAIRE SHEETS, INCLUDING: HOODS, FIRE SYTEM, EXHAUST FANS, SUPPLY FAN, BATHROOM FAN AND ELECTRICAL INTERLOCK PACKAGE

ANSUL GAS VALVE:

THE ANSUL GAS VALVE IS PROVIDED BY CAPTIVEAIRE SYSTEMS. CONTACT OUR OFFICE WITH THE VALVE SIZE 3 DAYS IN ADVANCE OF WHEN IT IS NEEDED ON SITE.

FOR QUESTIONS CALL THE
CAPTIVEAIRE
SOUTHERN CALIFORNIA OFFICE
STONE MILL DESIGN CENTER
2915 RED HILL AVE, SUITE C106
COSTA MESA, CA 92626
TEL: 800–967–7701 EMAIL: REGB6@CAPTIVEAIRE.COM

FANS #1, #2 – NCA16FA EXHAUST FAN



FEATURES:

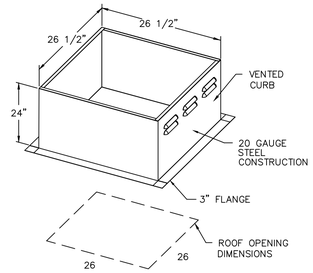
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762 AND ULC–S645
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

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.

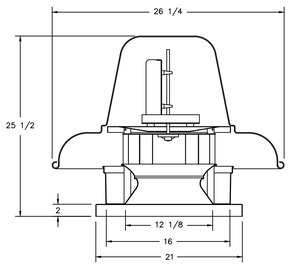
ABNORMAL FLARE–UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX.
UPBLAST FAN WHEEL ACCESS PORT.



FAN #3 DD7FA – EXHAUST FAN

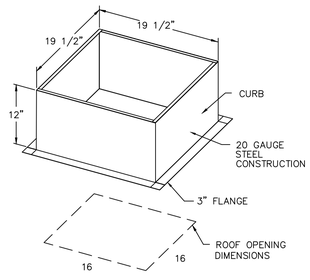


FEATURES:

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

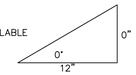
OPTIONS

I 15–BDD DAMPER.

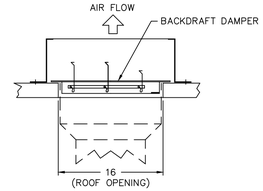


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

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



BACKDRAFT DAMPER INSTALLATION



REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

CAPTIVEAIRE
Southern California Office
3002 Dow Ave., Suite 410, Tustin, CA. 92780 PHONE: (714) 957-1500 FAX: (919) 227-5975 EMAIL: reg86@captiveaire.com
www.captiveaire.com

Panda Express – Shepherdsville KY (S8–18–D6462)–r1

DATE: 10/4/2018

DWG.#: 3570621

DRAWN BY: AHJ–86

SCALE: 3/4" = 1'–0"

MASTER DRAWING

SHEET NO. 3

PANDA EXPRESS INC.
1683 Walnut Grove Ave.
Rosemead, California
91770
Telephone: 626.799.9898
Facsimile: 626.372.8288

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REVISIONS:

ISSUE DATE:

1ST	PERMIT SET	10-05-18
2ND	BID SET	11-20-18

DRAWN BY: BEN

PANDA PROJECT #: S8-19-D6462
ARCH PROJECT #: 180044.013

FOR REFERENCE ONLY

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PANDA EXPRESS
TRUE WARM & WELCOME 2200
CONESTOGA PKWY & HISTORICAL TRAIL
SHEPHERDSVILLE, KY 40165

M-402

HOOD DETAIL PLAN

BID SET 11.20.2018

H:\KLA\PESK\D\PESKM402 20 Nov 2018 – 3:17 pm