EXHAUST FAN INFORMATION – Job#2768070

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CFM	ESP.	RPM	H.P.	B.H.P.	Ø	VOLT	FLA	WEIGHT LBS.	SONES
1		DU180HFA	24	2.000	140	2.000	1.2190		208	5.9	112	17.9

CONDENSER DETAILS

FAN UNIT NO.	TAG	FAN UNIT MODEL #	CONDENSER NO.	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MA. FUSE SIE	MIN. WIRE SIE	SEER
2		A1-D.250-G10-MPU	1		208-20	PHASE	60 H	14.5 A	11.9 A	20 A	14 AWG	14

MUA FAN INFORMATION – Job#2768070

FAN UNIT NO.	TAG	FAN UNIT MODEL #	BLOWER	HOUSING	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
2		A1-D.250-G10-MPU	G10	A1-D.250	1874	0.700	1250	1.500	1.050		208	4.4	91.0°F	74.0°F	79.1°F	69.2°F	5.7 MBH	24.1 MBH	11.6 MBH	1257	2	92

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO.	TAG	INPUT BTU	OUTPUT BTU	TEMP. RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE
2		127595	11787	58 dg F	7 . w. - 14 . w..	Nr

FAN OPTIONS

FAN UNIT NO.	TAG	OPTION Q. - Dr.
1		1 - Gr B
2		1 - AC Ir R - 24VAC C
		1 - Lw Fr Sr
		1 - I Prr Gg, 0-5"
		1 - Md Prr Gg, -5 15" w
		1 - T Sg Cr Mdr Pgd Cg O r S 1 MUA 1,100 1,800 , 208V/20V, . Cg Tr r Prgr S Rrd r Prr Or.
		1 - F Crg Fr Cr Hr
		1 - Dwr P r S 1 D C Md
		1 - S 1 Cg C Mr Er O - w g r 650 . Ir g 650 .
		1 - Cg Tr d R N r r
		1 - Sr 120V Wrg Pg Rrd d d r DCV r Prwr w VFD - Tr P O

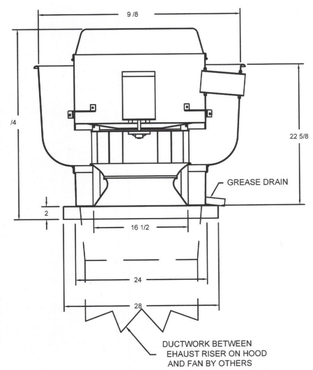
FAN ACCESSORIES

FAN UNIT NO.	TAG	EHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIED DAMPER	WALL MOUNT
1		YES						

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIE
1	# 1	41 LBS	Cr	26.500"W 26.500"L 20.000"H Vd Hgd
2	# 2	6 LBS	Cr	21.000"W 71.000"L 20.000"H Id
	# 2		R	6.000"W 21.000"L 20.000"H

FAN #1 DU180HFA - EHAUST FAN



FEATURES

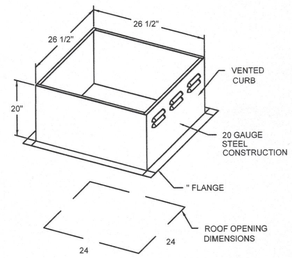
- DIRECT DRIVE CONSTRUCTION NO BELTS/PULLEYS
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION SINGLE PHASE
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EHAUST 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
EHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY ETENT THAT COULD CAUSE AN UNSAFE CONDITION.

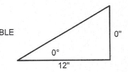
OPTIONS

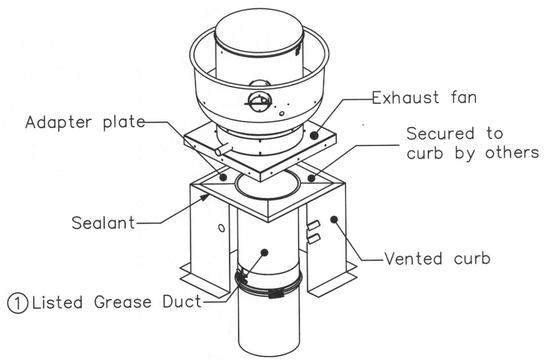
GREASE BO



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

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





① GREASE DUCT SPECIFICATION:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. ETL LISTED TO UL 1978 AND INSTALLED USING "V" CLAMP LOCKING CONNECTIONS WITH 3M FIRE BARRIER 2000+ SILICONE TO SEAL JOINTS. DUCTWORK DOES NOT REQUIRE WELDING. PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. SLOPE GREASE DUCT DOWN TO HOOD (1/16" PER 12", DUCT RUN < 75'; 3/16" PER 12", DUCT RUN > 75').
** IF 2-HR FIRE RATING IS REQUIRED, PROVIDE DOUBLE LAYER OF THERMAL CERAMICS 834680600587XL PYROSCAT DUCT WRAP (OR EQUAL), OR CAPTIVEAIRE MODEL "DW-3Z" PRE-INSULATED DOUBLE-WALL LISTED GREASE DUCT. **

CUSTOMER APPROVAL TO MANUFACTURE

Approved as Noted ☐
Approved with NO Exception Taken ☐
Revise and Resubmit ☐
SIGNATURE _____
Your Title _____ Date _____

NOTES

DRAWING CONTAINS IMPORTANT INFORMATION FOR COORDINATION WITH M/E/P ENGINEER

KITCHEN FAN DETAILS

CONTENT ON THIS SHEET IS SHOWN FOR INFORMATION ONLY. COORDINATE WITH KITCHEN HOOD EQUIPMENT MANUFACTURER FOR MATERIALS, SPECIFICATION, CAPACITY, AND INSTALLATION REQUIREMENTS

REVISIONS

DESCRIPTION	DATE
△	
△	
△	
△	

CAPTIVEAIRE
MARYLAND OFFICE
2221 K A, Sr Srg, MD, 20910 PHONE 800 988-0881 FA 919 227-591 EMAIL rg2r.
www.captiveaire.com

DASH IN - Severn, MD_Mech
Sr, MD, 21144

DATE: 9/7/2016
DWG.#: 2768070
DRAWN BY: AD-2
SCALE: NOT TO SCALE
MASTER DRAWING
SHEET NO. 1

L2M
811 Cromwell Park Drive, Suite 113
Cromwell Business Park at BWI
Glen Burnie, Maryland 21061

L2M@L2M.com

Phone 410.863.1302
Fax 410.863.1308

BR
ENGINEERING SERVICES
502 MCr Dr
S M
G Br, Mrd 21061
P 410 761-9600
F 410 761-960
www.rr

Pr Cr
I r r dr
nd r rd . d l
d d r gr dr
w S Mrd
L N
Er D 9920
17 AN 2019

DASH IN
STORE #079
QUARTERFIELD RD - SEVERN, MD

REV. #	ISSUE / DESCRIPTION	DATE

SHEET TITLE:
FOODSERVICE KITCHEN HOOD FAN DETAILS

DRAWING DATE: 01 APRIL 2017
DRAWN BY: MVM
REVIEWED BY: MGH
PROJECT # 2889
SHEET # M-302
FILE NAME: 2889 - M-02 .dwg