EXHAUST FAN INFORMATION – JOB#8402729

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1		1	EADU85H	ECON-AIR	1200	1.000	1273	TEAO-ECM	0.750	0.4240	1	115	8.9	380 FPM	90	10.1

MUA FAN INFORMATION – JOB#8402729

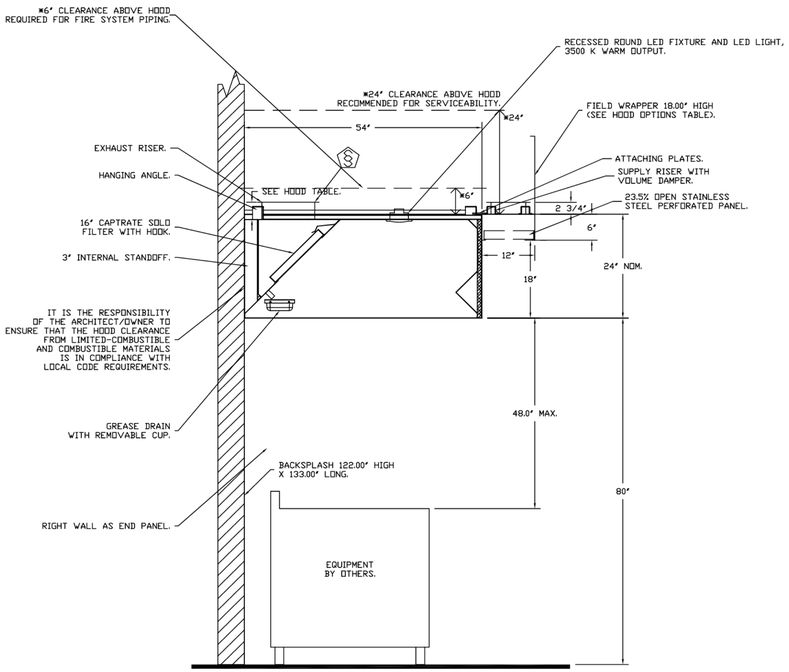
FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
2		1	EA-A1-15D	15MF-1-MOD	A1	–	1000	0.500	1258	TEAO-ECM	1.000	0.2830	1	115	11.6	15.6A	25A	266	11.6

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		

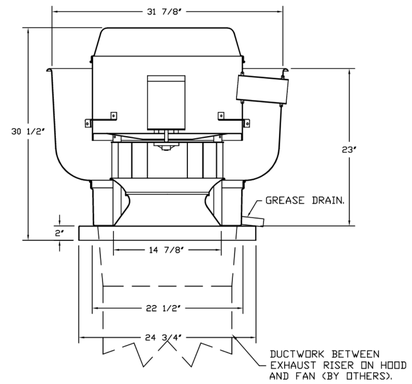
CURB ASSEMBLIES

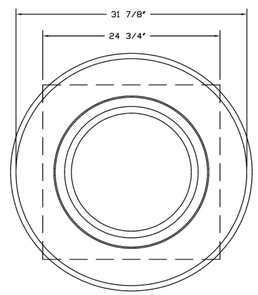
NO	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	41 LBS	CURB	23.000"W X 23.000"L X 24.000"H VENTED HINGED.
2	# 2	29 LBS	CURB	21.000"W X 21.000"L X 14.000"H.



SECTION VIEW – MODEL 5424EX-2-PSP-F HOOD – #1

FAN #1 EADU85H – EXHAUST FAN





TOP VIEW

FEATURES:

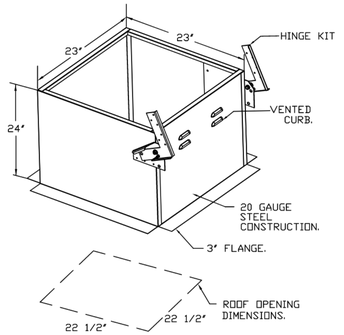
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

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.
- FAN BASE CERAMIC SEAL – DU/DR85HFA
- INSTALLED AT PLANT – FOR GREASE DUCTS.
- ECM WIRING PACKAGE – PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.



1 M0.7 KITCHEN HOOD AND FAN DETAIL
NO SCALE

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ARCHITECT

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(478)741-4632 - T.E. project # 25-106
www.totalengineers.com
GA COA NO # PEF009195 EXP: 06/30/2026

CONSULTANT

GEORGIA REGISTERED NO. 036464 PROFESSIONAL ENGINEER KRUNAL M. PATEL
STAMP INVALID UNLESS SIGNED

MECHANICAL DETAILS

New Facility
Hampton Travel Center
Hwy 81 / Parcel # 019-02031002 Hampton, Georgia

1

JOB NO.: 02511
DRAWN BY: ACC
CHECKED BY: KP
DESCRIPTION: SCH-REVIEW
DATE: 00.0025
DESCRIPTION: DD-REVIEW
DATE: 00.0025
DESCRIPTION: CD-REVIEW
DATE: 12.19.25
DESCRIPTION: BID-CONST
DATE: 00.0025
REVISIONS:

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6	
7	

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