EXHAUST FAN INFORMATION – JOB#4730504

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	FCHEF-1	1	DUB5HFA	CAPTIVEAIRE	1275	1.000	1232	TEAO-ECM	0.750	0.3240	1	208	5.2	403 FPM	123	10.4

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
2	MUA-1	A1-D.250-15D-MPU	1	2	208-230	1 PHASE	60 HZ	14.1 AMPS	11.4 AMPS	20 AMPS	12 AWG	14

MUA FAN INFORMATION – JOB#4730504

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	ø	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
2	MUA-1	1	A1-D.250-15D-MPU	15MF-1-MOD	A1-D.250	1000	1084	0.250	1297	TEAO-ECM	1.000	0.3190	1	208	6.9	8.7A	15A	1116	9.9

COILS – JOB#4730504

FAN UNIT NO	TAG	COIL TYPE	DESIGN CFM	COOLING											HEATING								
				ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY	SENSIBLE CAPACITY
2	MUA-1	DX	1084	86.0°F	71.6°F	75.0°F	66.2°F	---	---	---	---	18.1 MBH	12.1 MBH	6.0 MBH	---	---	---	---	---	---	---	---	---

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2	MUA-1	89754	82574	75°F	7 IN. W.C. – 14 IN. W.C.	NATURAL	92

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	FCHEF-1	1	GREASE BOX.
		1	FULL CRATING FOR EXHAUST FANS.
		1	ECM WIRING PACKAGE – PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.
2	MUA-1	1	AC INTERLOCK RELAY – 24VAC COIL.
		1	MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING. MEETS AMCA CLASS 1A RATING.
		1	LOW FIRE START.
		1	INLET PRESSURE GAUGE, 0-35".
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.
		1	COOLING THERMOSTAT AND RELAY (NOT REQ FOR EVAP).
		1	2 TON SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 1 DF/EH MUA (1,000 TO 1,200 CFM), 208V/230V, 1 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION.
		1	DOWNTURN PLENUM FOR SIZE 1 DX COIL MODULE.
		1	CONDENSING UNIT LOCKING CAPS FOR SINGLE CONDENSER UNITS.
		1	FULL CRATING FOR COMMERCIAL HEATER.
		1	ECM WIRING PACKAGE – DD SUPPLY – PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR).

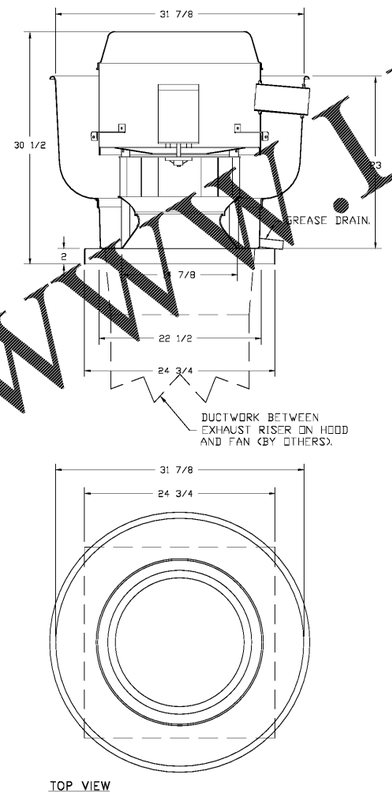
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	FCHEF-1	YES						
2	MUA-1						YES	

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	FCHEF-1	44 LBS	CURB	23.000"W X 23.000"L X 26.000"H 0.25012.000 PITCH VENTED HINGED
2	# 2	MUA-1	107 LBS	CURB	21.000"W X 131.000"L X 20.000"H 0.25012.000 PITCH ALONG LENGTH, HIGH INSULATED.

FAN #1 DUB5HFA – EXHAUST FAN (FCHEF-1)



TOP VIEW

FEATURES

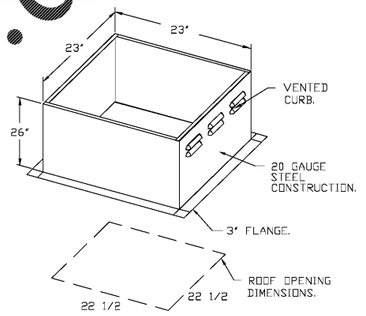
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FAN.
- RESTAURANT MODEL.
- 305 AND 762 MM (12 AND 30") SIZES.
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH AMBIENT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY 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.

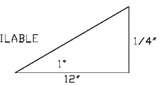
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

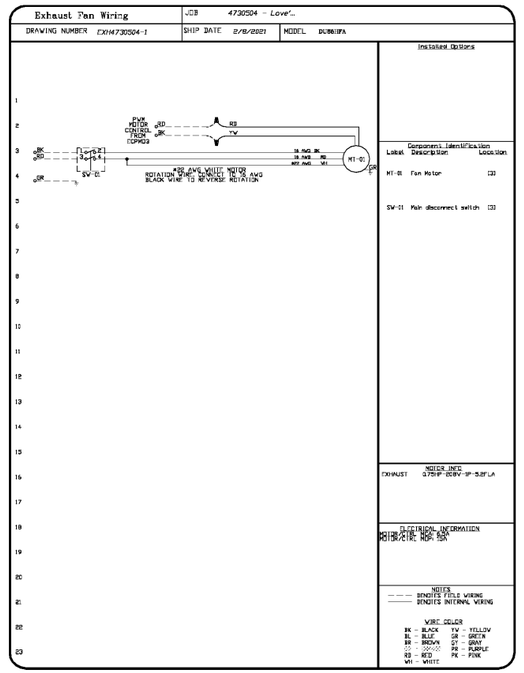
GREASE BOX.
FULL CRATING FOR EXHAUST FANS.
ECM WIRING PACKAGE – PWM SIGNAL FROM ECPM03 PREWIRE (TELCO MOTOR), CCW ROTATION.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



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



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REVISIONS

	DESCRIPTION	DATE:
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Love's #417 – Remodel
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Gary, IN, 46408

DATE: 2/8/2021

DWG.#: 4730504

DRAWN BY: RJH-80

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

MASTER DRAWING

SHEET NO. 4