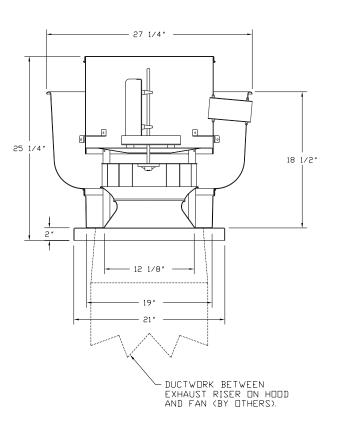


ELECTRICAL CONTROL PACKAGE

<u>EXH</u> A	<u>AUST</u> F	AN IN	VFORM	<u>IATI (</u>	$ON - JOB_{\#}$	45275	569							
FAN UNIT ND	TAG	YTÇ	FA	n uni	T MODEL #	0	FM	ESP		RPM	MOTOR ENCL		ΗP	ВНР
1	EF-1	1		DU1	80HFA	5	025	2.100	) :	1398	DDP,PREMIUM		2.000	1.1610
3	DF-1	1			NCA8HPFA		150	1.100		1625	DDP		0.500	0.3220
MUA	FAN II	VFORI	MATIO	N -	J0B#4527	'569								
FAN UNIT ND	TAG	TAG QTY		FAN UNIT MODEL #		BL	_OWER	на			IN M	DESIGN CFM	ESP	RPM
2	HMAU-1	1		A1-D.	250-15D	15MF	-1-MC	]D A1-	D.250	10	1000 1721		0.900	206
GAS	FIRED	MAKE	C - UP	AIR	UNIT									
FAN UNIT ND	TAG	INPL BTU		TPUT TUs	TEMP RISE	REG		INPU1 SSURE	UT GAS GAS TYPE			S TYPE	BURNER EFFICIENCY(%)	
2	HMAU-1	1250	75 115	5069	63°F	7 IN	7 IN. W.C. – 14 IN. W.C.			NATURAL		. NATURAL 92		2
FAN	OPTION	VS	I											
FAN UNIT ND	TAG	QTY	DESCRIPTION											
1	EF-1	1	GREAS	E BOX										
		1			CK RELAY - 2									
		1		MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING.										
		1	LDW FIRE START. INLET PRESSURE GAUGE, 0-35".											
2	HMAU-1	1												
		1		MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.										
		1		CURB DUCT HANGER.										
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIR VFD) - THREE PHASE ONLY.											
3	DF-1	1	SCR-11	BIR	D SCREEN.									
CURE	B ASSE	MBLII	ES											
ND	DN FAN	TAG			WEIGHT	]	ITEM		SIZE				Ξ	
1	# 1	EF-	1		41 LBS	0	CURB		26.500"W X 26.500"L X 20.000"H				I VEI	
5	# 2	HMAU	-1		65 LBS	(	CURB		21.000"W X 71.000"L X 20.000"H I				INSU	
3	# 3	DF –	1		27 LBS	0	CURB	:	19.500"W X 19.500"L X 20.000"H .					

## FAN #3 NCA8HPFA - EXHAUST FAN (DF-1)



FEATURES: - ROOF MOUNTED FANS. RESTAURANT MODEL - UL705 AND UL762 AND ULC-S645. AMCA SOUND AND AIR CERTIFIED. WIRING FROM MOTOR TO DISCONNECT SWITCH. - NEMA 3R SAFETY DISCONNECT SWITCH. - 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.

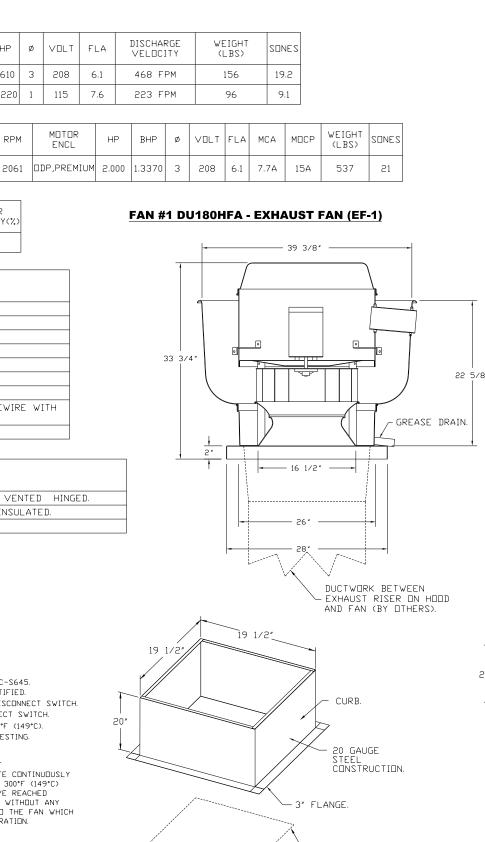
ABNORMAL FLARE-UP TEST EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION. OPTIONS SCR-11 BIRD SCREEN.

	FANS CONTROLLED							
	FAN TAG	TYPE	φ	ΗP	VOLT	FLA		
SMART CONTROLS THERMOSTATIC CONTROL	EF-1	EXHAUST	3	2.000	208	6.1		
W/ RELAY ON/OFF WITH SUPPLY	HMAU-1	SUPPLY	3	2.000	208	6.1		

DRAWN BY SCHEMATIC TYPE DESCRIPTION OF OPERATION: INSTALL 3 Phase w/ control for 1 Exhaust Fan, 1 Supply for DATE DWG NO 9/18/2020 ECP #1-1

ACCESSORY I Electrician	TEMS	HOOD PAN DRY CONT
		ON/OFF W SUPPLY F
	MICROSWITCH 1	GROUP :
MMON (1). JRMALLY CLOSED (2). JLD HAVE EN ARMED.	MS-1_4:ND CAP 1:C2:NC	HOOD PAN TO EXTERNA SWITCH
	MS-2_4:ND CAP 1:C2:NC	
FACTORY WIRED		
BLACK WHITE GREEN		
( ON TOP OF HOOD		
DL BOARD. D IN ROOM AWAY RCES. SEE MANUAL		
TEMPERATURE ID IN HOOD CAPTURE	HODD 1 CAPTURE 1	
ING CONNECTIONS MAY NOT BE ASED ON JOBSITE IFICATIONS		
DT TO SHUNT COIL FROM SHUNT COIL		
IS ENERGIZED DITION.		
	CONTACTOR_COIL	
COMMON NORMALLY DPEN S USED WHEN FIRE GES TO DISABLE ROVIDE SIGNALS. ING FIRE ALARM)		

DF DPERATI( or 1 Exhaust Fan, 1 Su ermostatically Control E MOTOR REQUIRED FOR	]N: upply Fan, Exhaust on in led. Room temperature s USE WITH VFD.	Fire, Lights out in f ensor shipped loose	⁻ire, Relay □n/□ff for field installat	with Sup ion.
HODD PANEL OSF( DRY CONTACT OSF( DN/DFF WITH OSF( SUPPLY FAN GROUP 1		COMMON NORMALLY OPEN COMMON NORMALLY OPEN VILL MAKE LY OPEN IS ON.		
HODD PANEL OH TO OID EXTERNAL SWITCH	I G		BMS SWITCH	



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS. SPECIFY PITCH: EXAMPLE: 7/12 PITCH = 30° SLOPE.

