HOOD INFORMATION – Job#1775693

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM						HOOD CONSTRUCTION	HOOD CONFIG.	
				TOTAL EXH. CFM	RISER(S)						END TO END	ROW
					WIDTH	LENG.	DIA.	CFM	S.P.			
1	4824 ND-2	4' 3.00"	600 Deg.	956			10"	956	-0.414"	430 SS Where Exposed	ALONE	ALONE

HOOD INFORMATION

HOOD NO.	FILTER(S)				LIGHT(S)			UTILITY CABINET(S)					FIRE SYSTEM PIPING	HOOD HANGING WGHT
	TYPE	QTY.	HEIGHT	LENGTH	QTY.	TYPE	WIRE GUARD	LOCATION	FIRE SYSTEM		ELECTRICAL	SWITCHES		
									TYPE	SIZE	MODEL #	QUANTITY		
1	SS Baffle with Handles	3	16"	16"	2	Screw In Compact Fluore	NO						NO	226 LBS

HOOD OPTIONS

HOOD NO.	OPTION
1	RIGHT QUARTER END PANEL 23" Top Width, 0" Bottom Width, 23" High 430 SS
	LEFT QUARTER END PANEL 23" Top Width, 0" Bottom Width, 23" High 430 SS

SECTION VIEW – MODEL 4824ND-2

PLAN VIEW – Hood #1
4' 3.00" LONG 4824ND-2

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/06/13

CUSTOMER APPROVAL TO MANUFACTURE:

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

CAPTIVEAIRE

JOB Aurora Provisions	
LOCATION Lewiston, ME	
DATE 5/6/2013	JOB # 1775693
DWG # 1	DRAWN BY BFC-21
REV.	SCALE 3/8" = 1'-0"

EXHAUST FAN INFORMATION – Job#1775693

FAN UNIT NO.	FAN UNIT MODEL #	MODEL	TAG	CFM	ESP.	RPM	H.P.	ø	VOLT	FLA	WEIGHT (LBS.)	SONES
1	DU33HFA	DU33HFA		956	0.450	1508	0.333	1	115	4.1	99	10.4

FAN OPTIONS

FAN UNIT NO.	OPTION (Qty. – Descr.)
1	1 – Grease Box
	1 – Full Crating For Exhaust Fans
	1 – Fan Base Ceramic Seal – For Grease Ducts

FAN ACCESSORIES

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

CURB ASSEMBLIES

NO.	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	34 LBS	Curb	19.500"W x 19.500"L x 22.000"H Vented Hinged

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FAN #1 DU33HFA – EXHAUST FAN

FEATURES:

- 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
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
FAN BASE CERAMIC SEAL – FOR GREASE DUCTS

CUSTOMER APPROVAL TO MANUFACTURE:

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JOB Aurora Provisions			
LOCATION Lewiston, ME			
DATE 5/6/2013		JOB #	1775693
DWG # 2		DRAWN BY	BFC-21
REV.		SCALE	3/8" = 1'-0"

ELECTRICAL PACKAGES – Job#1775693

NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	ø	H.P.	VOLT	FLA
1		11011002	Wall Mount In SS Box	SS Wall Mount Box	1 Light 1 Fan	Exhaust in Fire	Exhaust	1	0.333	115	4.1

DETAIL OF REMOTE S/S BOX

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Revise and Resubmit ☐
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BUILT IN ACCORDANCE WITH NFPA No. 96

CAPTIVEAIRE

JOB Aurora Provisions	
LOCATION Lewiston, ME	
DATE 5/6/2013	JOB # 1775693
DWG # 3	DRAWN BY BFC-21
REV.	SCALE 3/8" = 1'-0"

Exhaust Fan Wiring	JOB NAME *Aurora Provisions*	DATE *5/6/2013*
DRAWING NUMBER *EXH1775693-1*	JOB NUMBER *1775693*	MODEL DU33HFA

Installed Options

Speed Control

Component Identification

Label	Description	Location
MT-01	Fan Motor	[2]
QD-01	Quick Disconnect	[2]
SC-01	Speed Control	[1]
SW-01	Main disconnect switch	[2]

MOTOR INFO

EXHAUST 0.333HP-115V-1P-4.1FLA

ELECTRICAL INFORMATION

MOTOR/CONTROL MCA: 5.2A
MOTOR/CONTROL MOP: 15A

Date: 06/06/13

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CITY OF PORTLAND, MAINE

ELECTRICAL PREWIRE PACKAGE	JOB NAME *Aurora Provisions*	DATE *5/6/2013*
DRAWING NUMBER *11011002*	JOB NUMBER *1775693*	DRAWN BY

CONTROL INPUT 120VAC H1=LINE, N1=NEUTRAL 15A BKR – DO NOT WIRE TO SHUNT TRIP BREAKER

LIGHT INPUT 120VAC H2–H5=LINE, N2–N5=NEUTRAL 15A BKR (MAX 1400W PER CIRCUIT)

1 Phase Controls for 1 Exhaust fan. Includes 1 Light switch, 1 Fan switch, Exhaust in Fire.

COMPONENT PARTS LIST

LABEL	DESCRIPTION
C–x	Contactor
ST–x	Starter
OL–x	Overload
FS–xx	Fan Switch (Lighted)
LS–xx	Light Switch
L	Hood Light(s)
MS–x	MicroSwitch (Ansul/PyroChem)
Rx	Relay DPDT – 34.110.0184.0 + Socket

SPARE FIRE DRY CONTACTS

SPARE RELAY CONTACTS USED WHEN FIRE SYSTEM DISCHARGES TO SHUT DOWN EQUIPMENT OR PROVIDE SIGNALS. (NOT FOR BUILDING FIRE ALARM)

TR: Tripped, AR: Armed, C: Common

Rx RELAY SOCKET STYLE "CLION"

C–RD	NO	4	3
NO–BL	NC	2	1
NC–PR	COIL	8	7
	COM	6	5

MS–x MicroSwitch
C–RD
NO–BK
NC–BR

MOTOR	TAG	PH	VLT	HP	FLA	BRK
EXH-1		1	115	0.33	4.1	15A

NOTES

– – – – – DENOTES FIELD WIRING
——— DENOTES INTERNAL WIRING

WIRE COLOR

BK – Bl
BL – Bl
BR – Br
OR – Or
RD – Re
WH – W

DRAWING
NOTE: IF
INSTALLE
TERMINA
BE FIELD

14 x

Date: 06/06/13

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CITY OF PORTLAND, MAINE

CONTROL PANEL INSTALLATION	JOB NAME Aurora Provisions	DATE 5/6/2013
DRAWING NUMBER 11011002	JOB NUMBER 1775693	DRAWN BY

HOOD TO CONTROL PANEL

Light switch and fan switch mounted on the face of the hood and control panel mounted separately then field wire to the control panel as shown.

POWER FEED FOR CONTROLS AND LIGHTING

FIELD WIRED SWITCHES TO CONTROL PANEL

FIRE SYSTEM MICROSWITCH WIRING TO CONTROL PANEL

120VAC SHUNT TRIP BREAKER WIRING

NOTE2: IF NO FIRE SYSTEM ON HOOD, JUMPER C1 AND AR1 TOGETHER

NOTE1: BUILDING FIRE ALARM IS TO BE WIRED TO THE "ALARM INITIATING SWITCH" INSIDE THE FIRE SYSTEM AUTOMAN

MICRO-SWITCHES WIRING WHEN MULTIPLE FIRE SYSTEMS CONNECTED TO ONE ELECTRICAL PANEL (3 SHOWN HERE)

FAN WIRING TO CONTROL PANEL

ELECTRIC GAS VALVE WITH RESET RELA

NOTES

BK -
BL -
BR -
OR -
RD -
WH -
GN -

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