Date: 01/06/14

Reviewed for Code Compliance
Approved with Conditions

HOOD INFORMATION – Job#1907013

HOOD NO	TAG	MODEL	LENGTH	MAX. HOOD TEMP.	EXHAUST PLENUM TOTAL EXH. CFM	WIDTH	LENG	DIA.	CFM	S.P.	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG. END NO END	RDV
1	GRILLE	3347 BD-2	5' 6.00"	450 Deg	1100	10"	10"		1100	-0.364"	0	430 SS Where Exposed	ALONE	ALONE
2	hood #1 psp	166 MSC-PSP	5' 6.00"	300 Deg	0						880	430 SS Where Exposed	ALONE	ALONE
3	GRILLE	3347 BD-2	5' 6.00"	450 Deg	1100	10"	10"		1100	-0.364"	0	430 SS Where Exposed	ALONE	ALONE
4	hood #2 psp	166 MSC-PSP	5' 6.00"	300 Deg	0						880	430 SS Where Exposed	ALONE	ALONE
5	FRYER	3347 BD-2	6' 6.00"	450 Deg	1625	15"	15"		1625	-0.506"	0	430 SS Where Exposed	ALONE	ALONE
6	hood #2 psp	186 MSC-PSP	6' 6.00"	300 Deg	0						1300	430 SS Where Exposed	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	LIGHT(S) TYPE	WIRE GUARD	UTILITY CONNECTION LOCATION	FIRE SYSTEM TYPE	SIZE	MATERIAL MODEL #	EXHAUST QUANTITY	FIRE SYSTEM WATER	HOOD WEIGHT
1	GRILLE	SS Baffle with Handles	4	16"	16"	Incandescent	NO						YES	246 LBS
2	hood #1 psp					0							NO	90 LBS
3	GRILLE	SS Baffle with Handles	4	16"	16"	Incandescent	NO	Wall Rear	Ansul R102	3X/3X	SC-321110FP	1 Light 1 Fan	YES	208 LBS
4	hood #2 psp					0							NO	90 LBS
5	FRYER	SS Baffle with Handles	1 / 1	16" / 16"	16" / 16"	Incandescent	NO						YES	269 LBS
6	hood #2 psp					0							NO	102 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION						
1	GRILLE	FIELD WRAPPER	36.00"	High	Front, Left, Right			
		BACKSPLASH	86.00"	High X 66.00"	Long	430 SS		
		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	
2	hood #1 psp	FIELD WRAPPER	26.00"	High	Front, Left, Right			
3	GRILLE	FIELD WRAPPER	36.00"	High	Front, Left, Right			
		BACKSPLASH	86.00"	High X 66.00"	Long	430 SS		
		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	
4	hood #2 psp	FIELD WRAPPER	26.00"	High	Front, Left, Right			
5	FRYER	FIELD WRAPPER	36.00"	High	Front, Left, Right			
		BACKSPLASH	86.00"	High X 78.00"	Long	430 SS		
		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	
6	hood #2 psp	FIELD WRAPPER	26.00"	High	Front, Left, Right			

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	HOOD(S) WIDTH	LENG.	DIA.	CFM	S.P.
2	hood #2 psp	Front	66"	16"	6"	MUA	10"	26"		878	0.227"
4	hood #2 psp	Front	66"	16"	6"	MUA	10"	26"		878	0.227"
6	hood #2 psp	Front	78"	18"	6"	MUA	12"	28"		1300	0.227"
						MUA	12"	28"		1300	0.227"

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH NFPA #96

AND ARE RECOGNIZED BY ONE OR MORE OF THE FOLLOWING:

NSF INTERNATIONAL

ETL LISTED FILE# 3054804-001

ETL TESTED IN COMPLIANCE WITH UL 710 STANDARDS.

ELECTRICAL PACKAGES – Job#1907013

NO.	TAG	PACKAGE #	LOCATION	SWITCHES LOCATION	SWITCHES QUANTITY	OPTION	FANS CONTROLLED TYPE	#	HP	VOLTS	FLA
1		SC-321110FP	Wall Utility Cabinet Left	Face Mount Left Side Hood Hood # 3	1 Light 1 Fan	Smart Controls Thermostatic Control	Exhaust	3	0.500	208	1.8
							Exhaust	3	1.500	208	4.7
							Supply	3	2.000	208	6.2

SECTION VIEW – MODEL 3347BD-2
HOODS – #1 (GRILLE) #3 (GRILLE)
HOOD – #5 (FRYER)

BD Series with PSP Accessory Specification

The BD series hood with PSP accessory is a low proximity compensating hood system. Hood shall have size, shape and performance specified on drawings.

Construction shall be type 430 stainless steel with a #3 or #4 polish where exposed. Individual component construction shall be determined by manufacturer and ETL. Construction shall be dependent on the structural application to minimize distortion and other effects. All welds shall be continuous and free of pin hole leaks to its lowest permeable component. This directs and captures grease-laden vapor and exhaust gases shall have a liquid-tight continuous external weld in accordance with NFPA 96. Hood shall be wall type with a minimum of four connections for hanger rods. Connectors shall have 9/16" holes centered 1" from the edge of the hood to allow for hanger rod connection by others.

Ventilator shall be furnished with UL classified aluminum baffle filters, supplied in size and quantity as required by ventilator. The filters shall extend the full length of the hood and the filter panels shall not be more than 6" in width.

The hood manufacturer shall supply complete computer generated submittal drawings including hood section view(s) and hood plan view(s). These drawings shall be used as the construction drawings and power for their use in construction, operation and maintenance.

Exhaust duct collar to be 4" high with 1" flange. Duct collar shall be in the quantity and location of the ventilator as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-FI increments along the length of the ventilator.

UL incandescent light fixtures and globes shall be installed and pre-wired to a junction box. The light fixtures shall be installed with a maximum of 4'0" spacing on center and allow up to a 100 watt standard light bulb.

The hood shall have:
-A double wall insulated front to eliminate condensation and increase rigidity. The insulation shall be 1" thick, have a flexural modulus of 475 EI, meet UL 181 requirements and be in accordance with NFPA 96 and ETL.
-An integral baffle to direct grease laden vapors toward the exhaust filter bank
-A built-in wiring chase shall be provided for outlets and electrical controls on hood face and shall not penetrate capture the area or require an external chaseway.
-Low capacity make-up air (up to 90%) provided through front and side plenums (PSP accessory).
-A sloped grease drain system which shall be an enclosed integral part of the hood back with an exposed, removable ¾ pint grease cup to facilitate cleaning.

The hood shall be ETL Listed as "Exhaust Hood Without Exhaust Damper". ETL Sanitation Listed and built in accordance with NFPA 96. The hood shall be listed for 450° F cooking surfaces at 150 CFM/ft. and for 700°F cooking surfaces at 200 CFM/ft.

REVISIONS
DESCRIPTION DATE

CAPTIVE-AIRE
www.captiveaire.com
St. Louis Office
1720 West Park Center Dr. Ste G&D, Fenton, MO. 63026 PHONE: (636) 225-3113 FAX: (815) 227-0059 EMAIL: mg72@captiveaire.com

ELEVATION BURGER
PORTLAND, ME

DATE: 11/12/2013
DWG.#: 1907013
DRAWN BY:
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 1

PLAN VIEW – Hood #3 (GRILLE)
5' 6.00" LONG 3347BD-2
PLAN VIEW – Hood #4 (hood #2 psp)
5' 6.00" LONG 166MSC-PSP

PLAN VIEW – Hood #1 (GRILLE)
5' 6.00" LONG 3347BD-2
PLAN VIEW – Hood #2 (hood #1 psp)
5' 6.00" LONG 166MSC-PSP

PLAN VIEW – Hood #5 (FRYER)
6' 6.00" LONG 3347BD-2
PLAN VIEW – Hood #6 (hood #2 psp)
6' 6.00" LONG 186MSC-PSP

REVISIONS
DESCRIPTION DATE

CAPTIVE-AIRE
www.captiveaire.com
St. Louis Office
1720 West Park Center Dr. Ste G&D, Fenton, MO. 63026 PHONE: (636) 225-3113 FAX: (815) 227-0059 EMAIL: mg72@captiveaire.com

ELEVATION BURGER
PORTLAND, ME

DATE: 11/12/2013
DWG.#: 1907013
DRAWN BY:
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 2

PROJECT NUMBER: EVB130001

SHEET NUMBER: M4.0

SHEET TITLE: KITCHEN HOOD DRAWINGS

DATE	DESCRIPTION
11/13	PERMIT ISSUE

ELEVATION BURGER

205 COMMERCIAL ST.
PORTLAND, ME 04101

CLIENT: BETTER BURGER OLD PORT, LLC
ONE LONG WHARF
PORTLAND, ME 04101

STATE OF MAINE
BRIAN E. CHANDLER
No. 13179
PROFESSIONAL ENGINEER
11/18/2013

CLIENT:
ELEVATION FRANCHISE VENTURES
4100 NORTH FAIRFAX DR. STE 730
ARLINGTON, VA 22203
703.243.7894
www.elevationburger.com

ENGINEER:
BRIAN EDWARD CHANDLER, PE
1431 GREENWAY DRIVE
SUITE 510
IRVING, TX 75038
PHONE 972.870.1288
E-MAIL brhandler@studio4.com