Reviewed for Code Compliance
Inspection Division
Fire Prevention Bureau
Date: 07/20/17

FAN#1 – EXHAUST PERFORMANCE CURVES.

4125 CFM, 2 SP @ 1092 RPM and 2.298 BHP at 243 feet and 70 deg F
* Please note that these curves were adjusted for job specific temperature and altitude.

CAPTIVEAIRE	JOB Benkay		
	LOCATION Lewiston, ME,		
	DATE 1/17/2017	JOB # 2890376	
	DWG # 6	DRAWN BY BFC-21	
	REV.	SCALE 3/8" = 1'-0"	

FAN #2 A2-G15 – SUPPLY FAN
1. UNTEMPERED SUPPLY UNIT WITH 15" BLOWER IN SIZE #2 HOUSING
2. INTAKE HOOD WITH EZ FILTERS
3. DOWN DISCHARGE – AIR FLOW RIGHT –> LEFT
4. FULL CRATING FOR UNTEMPERED FANS FOR SHIPPING.
5. 3 YEAR EXTENDED WARRANTY FOR FAN MOTOR. PARTS ONLY; DOES NOT INCLUDE LABOR.
6. EXTRA SET OF V-BELTS. ONLY TO BE ORDERED AS FAN OPTION AT TIME FAN IS ORDERED.
7. GRAVITY BACK DRAFT DAMPER 22" X 24" , STANDARD GALVANIZED CONSTRUCTION, 1 1/4" REAR FLANGE, FOR SIZE 2 UNTEMPERED FAN HOUSING (5182)

ROOF OPENING 2" SMALLER THAN CURB DIMENSION.

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

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

CAPTIVEAIRE	JOB Benkay		
	LOCATION Lewiston, ME,		
	DATE 1/17/2017	JOB # 2890376	
	DWG # 7	DRAWN BY BFC-21	
	REV.	SCALE 3/8" = 1'-0"	

FAN#2 – SUPPLY PERFORMANCE CURVES.

3300 CFM, 0.83 SP @ 651 RPM and 0.934 BHP at 243 feet and 70 deg F
* Please note that these curves were adjusted for job specific temperature and altitude.

CAPTIVEAIRE	JOB Benkay		
	LOCATION Lewiston, ME,		
	DATE 1/17/2017	JOB # 2890376	
	DWG # 8	DRAWN BY BFC-21	
	REV.	SCALE 3/8" = 1'-0"	

GREASE DUCT SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12".
DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 LISTED DOUBLE WALL GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CUSTOMER APPROVAL TO MANUFACTURE:

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

CAPTIVEAIRE	JOB Benkay		
	LOCATION Lewiston, ME,		
	DATE 1/17/2017	JOB # 2890376	
	DWG # 9	DRAWN BY BFC-21	
	REV.	SCALE 3/8" = 1'-0"	

ELECTRICAL PACKAGES – Job#2890376

NO.	TAG	PACKAGE #	LOCATION	SWITCHES			OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY			TYPE	#	H.P.	VOLT	FLA
1		SC-211110FP	Wall Mount in SS Box	05 – SS Wall Mount Box	1 Light		Smart Controls Thermostatic Control	Exhaust	1	3.000	230	17.0
					1 Fan			Supply	1	2.000	230	9.3

WALL MOUNTED CONTROL CENTER

CAPTIVEAIRE	JOB Benkay		
	LOCATION Lewiston, ME,		
	DATE 1/17/2017	JOB # 2890376	
	DWG # 12	DRAWN BY BFC-21	
	REV.	SCALE 3/8" = 1'-0"	

ATM
A. T. MCDONALD & ASSOCIATES
FOOD FACILITIES CONSULTANT - DESIGNER
735 Main Street Shrewsbury, MA 01545
Tel: 508.845.9891 Cell: 508.479.3511

SCALE: AS NOTED | DATE: 02/02/17

PROJECT: BENKAY REST
16 MIDDLE STREET
PORTLAND, ME

CLIENT: -

JOB#: | SHEET#: K-4

DRAWING: EXHAUST HOOD DETAIL