

Precision

AIR BALANCE CO., INC.
ANAHEIM/LAS VEGAS 800-339-3796

PROJECT: HOUSE OF MANCHESTER
ADDRESS: 2256 LOSSEE RD. SUITE E. N. LAS VEGAS, NV. 89030
HOOD LABEL: HOOD #1 LARKIN IND. MODEL #EO 14448

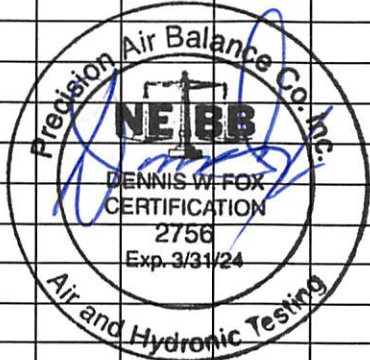
PAGE #: 2
UNIT #: KEH-1

GREASE FILTER DATA

NO.	GREASE FILTER MANUFACTURER	FILTER SIZE	NET AREA
1	NEW YORK INC.	24 X 16	2.14
2	NEW YORK INC.	20 X 16	1.75
3			
4			

GREASE FILTER AIR MEASUREMENTS

NO.	SIZE	FILTER MEASUREMENT READINGS						TOTAL	AVERAGE	CFM
1	1	254						254	254	544
2	2	239						239	239	418
3	1	226						226	226	484
4	1	303						303	303	648
5	1	307						307	307	657
6	1	238						238	238	509
7										
8									TOTAL	(3260)
9										
10										
11										
12										



COMMERCIAL COOKING HOOD & SYSTEM SPECIFICATIONS

HOOD WIDTH	<u>4.0</u>	FT. X	HOOD LENGTH	<u>12.0</u>	FT. =	<u>48.0</u>	SQUARE FEET
FORMULAS: #1 Q = 300A/200A #2 Q = 105A/100A #3 Q = 100A/75A #4 Q = 75A/50A							FORMULA
ALTERNATE FORMULAS: #1 Q = 100PD #2 Q = 100PD #3 Q = 50PD #4 Q = 50PD							ALT. FORMULA
(Q) _____ X (A) _____ =							REQUIRED CFM
LABEL/SPEC CFM	<u>300</u>	X	LINEAR FT.	<u>12</u>		<u>3600</u>	REQUIRED CFM
NONCANOPY TYPE HOOD:			CFM X		LINEAR FEET =		REQUIRED CFM
#1 DUCT SIZE	<u>14</u>	IN. X	<u>22</u>	IN. + 144 =		<u>2.14</u>	SQUARE FEET
#2 DUCT SIZE		IN. X		IN. + 144 =			SQUARE FEET
LARGEST DUCT SIZE		IN. X		IN. + 144 =			SQUARE FEET
EXHAUST AIR VOLUME THROUGH FILTERS	<u>3600</u>	CFM + DUCT SIZE	<u>2.14</u>	SQ. FT. =		<u>1682</u>	F.P.M.
EQUIPMENT UNDER HOOD: (2) PIZZA OVEN, (1) POT COOKER, (1) FRYER.							

COMMERCIAL COOKING VENTILATION SYSTEM SUMMARY

TOTAL HOOD EXHAUST AIR VOLUME	3260	C.F.M.
GREASE DUCT SIZE	2.14	SQ. FT.
VELOCITY WITHIN DUCT SYSTEM	1523	F.P.M.

INSPECTOR: RYAN BINETTE DATE: 10/15/2019



