Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246

Report: Flores (Emeryville, CA)

Function: Test, Adjust, & Balance

Date: 10/13/2023

PROJECT

Flores (Emeryville, CA)

5614 Bay Street

Emeryville, CA 94608

Client

Martinico & Sons, Inc.

1776 S. 7th St.

San Jose, CA 95112

National TAB

Project: Flores (Emeryville, CA)

Table Of Contents

CERTIFICATION

PROJECT: Flores (Emeryville, CA)

The data presented in this report is a record of system measurements and final adjustments that have been obtained in accordance with the current edition of the NEBB *Procedural Standards for Testing, Adjusting, and Balancing of Environmental Systems.* Any variances from design quantities, which exceed NEBB tolerances, are noted in the Test-Adjust-Balance Report Project Summary.

The air distribution system has been tested and balanced and final adjustments have been made in accordance with NEBB standards and the project specifications.

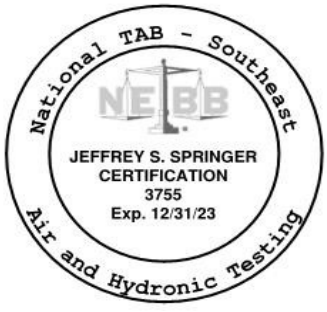
NEBB TAB FIRM: National TAB-Southeast
REGISTRATION NO: 3755
CERTIFIED BY: J. Scott Springer 23312
DATE: 10/12/2023

The hydronic distribution system has been tested and balanced and final adjustments have been made in accordance with NEBB standards and the project specifications.

NEBB TAB FIRM: National TAB-Southeast
REGISTRATION NO: 3086
CERTIFIED BY: J. Scott Springer 23312
DATE:

Submitted and Certified by:

NEBB TAB FIRM: National TAB-Southeast
TAB PROFESSIONAL: J. Scott Springer
SIGNATURE:
REGISTRATION NO: 3755 (NTAB) / 23312
CERTIFICATION EXP: 12/31/2023



National TAB

Testing, Adjusting, and Balancing Equipment

Function		Range	Minimum Accuracy	Instrument Information	Calibration Date	Date Due
AIR	AIR PRESSURE	0 in wg to 10 in wg	2% +/- 0.001 in wg	TSI Alnor EBT 731 S/N EBT732044025	11/17/2022	11/17/2023
	AIR VELOCITY INSTRUMENT	50 fpm to 3900 fpm	+/- 5 % +/- 7 fpm	TSI Alnor EBT 731 S/N EBT732044025	11/17/2022	11/17/2023
	DIRECT HOOD READING	100 cfm to 2000 cfm	+/- 5 % +/- 7 cfm	TSI Alnor EBT 731 S/N EBT732044025	11/17/2022	11/17/2023
TEMPERATURE	AIR METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 071118034	6/6/2023	6/6/2024
	AIR PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 5028	6/6/2023	6/6/2024
	IMMERSION METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 071118034	6/6/2023	6/6/2024
	IMMERSION PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 1075	6/6/2023	6/6/2024
	CONTACT METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 071118034	6/6/2023	6/6/2024
	CONTACT PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 4011	6/6/2023	6/6/2024
HUMIDITY	HUMIDITY PROBE	10 % RH to 90 % RH	3% of reading	Cooper ATKINS - SRH77A S/N 071118034	6/6/2023	6/6/2024
ELECTRICAL	VOLTAGE MEASUREMENT	0 VAC to 600 VAC	2 % reading +/- 5 digits	Fluke 373 True RMS, S/N: 33290686	6/1/2023	6/1/2024
	AMPERAGE MEASUREMENT	0 Amperers to 100 Amperes	2 % reading +/- 5 digits	Fluke 373 True RMS, S/N: 33290686	6/1/2023	6/1/2024
ROTATION	ROTATION MEASUREMENT	60 rpm to 5000 rpm	2 % reading 2 rpm	SHIMPO DT-207LR S/N: D1530081R	6/1/2023	6/1/2024
HYDRONIC	PRESSURE MEASUREMENT	-30 in Hg to 200 psi	±2% of reading +/- 1 psi	Alnor HM675 S/N: 72214041	5/2023	5/2024
	DIFFERENTIAL PRESSURE MEASUREMENT	0 psi - 80 psi	±2% of reading +/- 1 psi	Alnor HM675 S/N: 72214041	5/2023	5/2024

Abbreviation List

A = Area (ft^2)	S.F. = Service Factor
AHU = Air Handling Unit	SF = Supply Fan
A_k = Effective Area	SP = Static Pressure
BHP = Brake Horsepower (IP) HP	SR = Supply Register
Btu = British Thermal Unit	T = Temperature
Btu/h = Btuh = BTUH = BTU/Hour	T_{ma} = Mixed Air Temperature
CL = Center Distance (used in belt formula)	T_{oa} = Outside Air Temperature
CD = Ceiling Diffuser	T_{ra} = Return Air Temperature
CF = Correction Factor	H = Head (in wc, ft wc, psi)
CFM = Volumetric Flow: Cubic Feet Per Minute	h = Enthalpy
CO2 = Carbon Dioxide	HP = Horsepower
CO = Carbon Monoxide	hr = Hour
C_v = Flow Constant	K_v = Flow constant (SI)
d = Diameter (in.) IP	kW = Kilowatt = 1000 Watts
Δ = Difference or Change (Final - Initial)	LAT = Leaving Air Temperature
DB = Dry Bulb	lb = Pounds
EA = Exhaust Air	LWT = Leaving Water Temperature
EAT = Entering Air Temperature	ma = Mixed Air
EF = Exhaust Fan	MIN = Minimum
Eff = Efficiency	MAX = Maximum
EG = Exhaust Grille	N/A = Not Applicable
ESP = External Static Pressure	NA = No Access
EWT = Entering Water Temperature	NL = Not Listed
°F = Degrees Fahrenheit, °F	NPSHA = Net Positive Suction Head Available
FPB = Fan Powered Box	NS = Not Specified
FLA = Full Load Amps	OA = Outside Air
fpm = Feet per Minute (fpm)	OAT = Outside Air Temperature
ft = Foot	PD = Sheave Pitch Diameter
gal = Gallons	P.D. = Pressure Drop
GPM = Gallons Per Minute (GPM)	PF = Power Factor
h = Enthalpy (BTU/lb dry air)	SG = Supply Grille
P = Pressure	SR = Supply Register
ppm = parts per million	TP = Total Pressure
psi = Pounds Per Square Inch	T_{ra} = Return Air Temperature
psid = PSI Differential	TS = Tip Speed (fpm) IP, (m/s) SI
r = Radius (in)	TSP = Total Static Pressure
% $_{ra}$ = % of Return Air	V = Velocity
RA = Return Air	VAV = Variable Air Volume
RAT = Return Air Temperature	VD = Volume Damper
RF = Return Fan	VFD = Variable Frequency Drive
RG = Return Grille	W = Watt
RH = Relative Humidity	WB = Wet Bulb
RPM = Revolutions Per Minute	wg = wc = water gauge = water column
RTU = Roof Top Unit	WHP = Water Horsepower (IP)
SA = Supply Air	ω = Humidity Ratio

National TAB

Project: Flores (Emeryville, CA)

System/Unit: AHU/RTU

Asset: AC-1 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	CARRIER
Serial Num	-	3302G40334
Model Num	NA	48HJD012
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num PreFilter 1	-	4
PreFilter Size 1	-	20X20X2

Motor Data		
	Design	**Actual**
Motor MFG	-	GE
Frame	-	56HZ
Horsepower	-	NL
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	480	230/460
Rated Amperage	-	10.2/4.8
Service Factor	-	1.15

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	VP50
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	2 TURNS OPEN
Fan Sheave Size	-	9"
Fan Sheave Bore	-	1"
Belt CL Distance	-	18"
Num of Belts	-	1
Belt Size	-	B53

Test Data		
	Design	**Actual**
SF CFM	3500	3346
SF RPM	1100	847
RA CFM	2200	2135
OA CFM	1300	1211
RL Voltage	480	477/480/479
RL Amperage	-	4.1/4.2/3.9
OA Damper Position	-	40%

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.73"
Fan Suction SP	-	-1.01"
Fan Discharge SP	-	0.46"
Total ESP	1.00	1.19"
Fan Total SP	-	1.47"

Completed By: Zack Eismin on 10/05/2023

National TAB

Project:Flores (Emeryville, CA)

AHU/RTU

Diffuser Supply (GRD)

AC-1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1		A	12	400	161	371	92.8
1-2		A	12	400	334	382	95.5
1-3		A	12	400	128	366	91.5
1-4		A	12	400	159	369	92.3
1-5		A	12	400	397	385	96.3
1-6		A	12	400	695	374	93.5
1-7		A	12	400	710	399	99.8
1-8		A	12	400	460	411	102.8
1-9		A	8	150	178	142	94.7
1-10		A	8	150	179	147	98.0
Total				3500	3401	3346	95.6%

National TAB

Project: Flores (Emeryville, CA)

System/Unit: AHU/RTU

Asset: AC-2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	CARRIER
Serial Num	-	3302G50339
Model Num	NA	48HJD014
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num PreFilter 1	-	4
PreFilter Size 1	-	20X20X2

Test Data		
	Design	**Actual**
SF CFM	4800	4821
SF RPM	1100	1073
RA CFM	-	3319
OA CFM	1600	1502
RL Voltage	480	478/477/480
RL Amperage	-	6.8/7.0/6.9
OA Damper Position	-	30%
Brake Horse Power	5.25	4.6

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	145TY
Horsepower	-	5
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	480	230/460
Rated Amperage	-	15.0/7.5
Service Factor	-	1.15

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.96"
Fan Suction SP	-	-1.41"
Fan Discharge SP	-	0.36"
Total ESP	1.00	1.32"
Fan Total SP	-	1.77"

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	4"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1 TURN OPEN
Fan Sheave Size	-	6.5"
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	B47

Completed By: Zack Eismin on 10/05/2023

Notes:
AC DESIGN IS 4800 CFM
DIFFUSER TOTAL IS 5100 CFM

Written By: Michael Gabbert on 10/03/2023

National TAB

Project:Flores (Emeryville, CA)

AHU/RTU

Diffuser Supply (GRD)

AC-2/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-1		A	12	400	370	378	94.5
2-2		A	12	300	290	293	97.7
2-3		A	12	400	400	392	98.0
2-4		A	12	400	368	372	93.0
2-5		A	12	300	304	297	99.0
2-6		A	12	400	304	365	91.3
2-7		A	12	400	294	361	90.3
2-8		A	12	300	331	307	102.3
2-9		A	12	300	396	293	97.7
2-10		A	12	400	321	367	91.8
2-11		A	12	300	391	277	92.3
2-12		A	12	400	410	388	97.0
2-13		A	12	400	370	362	90.5
2-14		A	12	400	373	369	92.3
Total				5100	4922	4821	94.53%

National TAB

Project: Flores (Emeryville, CA)

System/Unit: AHU/RTU

Asset: AC-3 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	CARRIER
Serial Num	-	3302G50341
Model Num	NA	48HJD014
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num PreFilter 1	-	4
PreFilter Size 1	-	20X20X2

Test Data		
	Design	**Actual**
SF CFM	5010	4785
SF RPM	1100	1106
RA CFM	-	3123
OA CFM	1600	1662
RL Voltage	480	477/478/477
RL Amperage	-	6.5/6.8/6.7
OA Damper Position	-	30%
Brake Horse Power	5.25	4.33

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	145TY
Horsepower	-	5
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	480	230/460
Rated Amperage	-	15/7.5
Service Factor	-	1.15

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-1.1"
Fan Suction SP	-	-1.52"
Fan Discharge SP	-	0.51"
Total ESP	1.00	1.61"
Fan Total SP	-	2.03"

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	4"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1 TURN OPEN
Fan Sheave Size	-	6.5"
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	B47

Completed By: Zack Eismin on 10/05/2023

National TAB

Project:Flores (Emeryville, CA)

AHU/RTU

Diffuser Supply (GRD)

AC-3/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
3-1		A	12	400	400	410	102.5
3-2		A	12	400	397	403	100.8
3-3		A	12	400	315	379	94.8
3-4		A	10	320	272	303	94.7
3-5		A	10	320	338	310	96.9
3-6		A	12	450	51	414	92.0
3-7		A	6	75	188	69	92.0
3-8		A	6	75	71	71	94.7
3-9		A	8	100	86	92	92.0
3-10		A	8	150	161	157	104.7
3-11		A	10	320	308	301	94.1
3-12		A	12	400	531	392	98.0
3-13		A	12	400	319	365	91.3
3-14		A	12	400	356	372	93.0
3-15		A	12	400	378	381	95.3
3-16		A	12	400	323	366	91.5
Total				5010	4494	4785	95.51%

National TAB

Project: Flores (Emeryville, CA)

System/Unit: FAN - Exhaust

Asset: EF-1 AREA:HOOD #1 (MAIN HOOD)

Unit Data		
	Design	**Actual**
MFG	NA	CAPTIVEAIRE
Model Num	NA	NCA18HPFA
Serial Num	-	175153
Type	-	UPBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	AD SMITH
Frame	-	56HZ
Horsepower	2.0	2.0
Motor Rpm	-	1725
Phase	3	3
Voltage (rated)	480	230/460
Amperage (rated)	-	6.8/3.4
Service Factor	-	1.15

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	4"
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1 TURN OPEN
Fan Sheave Size	-	5"
Fan Sheave Bore	-	5/8"
Belt CL Distance	-	7.5"
Num of Belts	-	2
Belt Size	-	AX26

Test Data		
	Design	**Actual**
CFM	3600	3758
Fan RPM	1271	1255
RL Voltage	-	NA
RL Amperage	-	NA
Suction ESP	-	0.89"
Discharge ESP	-	ATM
Total ESP	1.50	0.89"

Completed By: Zack Eismin on 10/04/2023

National TAB

Project: Flores (Emeryville, CA)

System/Unit: FAN - Exhaust

Asset: EF-2 AREA:HOOD #3 DISHWASHER

Unit Data		
	Design	**Actual**
MFG	NA	CAPTIVEAIRE
Model Num	NA	NCA8FA
Serial Num	-	1854894
Type	-	UPBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	WEG
Frame	-	C56
Horsepower	0.25	0.5
Motor Rpm	-	1730
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	8.0
Service Factor	-	1.35

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	4"
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	FIXED
Fan Sheave Size	-	4.5"
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	5"
Num of Belts	-	1
Belt Size	-	4L210

Test Data		
	Design	**Actual**
CFM	800	779
Fan RPM	1390	1146
RL Voltage	-	120
RL Amperage	-	NA
Suction ESP	-	-0.51"
Discharge ESP	-	ATM
Total ESP	0.75	0.51"

Completed By: Zack Eismin on 10/05/2023

National TAB

Project: Flores (Emeryville, CA)

System/Unit: FAN - Exhaust

Asset: EF-3 AREA:HOOD #2

Unit Data		
	Design	**Actual**
MFG	NA	CAPTIVEAIRE
Model Num	NA	DU240HPA
Serial Num	-	5813969
Type	CRE UPBLAST	UPBLAST

Test Data		
	Design	**Actual**
CFM	3140	3011
RL Voltage	-	477
RL Amperage	-	4.1
Total ESP	1.150	1.09"

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO
Frame	-	213T
Horsepower	2.0	3
Motor Rpm	758	1170
Phase	3	3
Voltage (rated)	480	230/460
Amperage (rated)	-	9.32/4.62
Service Factor	-	1.15

Completed By: Zack Eismin on 10/04/2023

National TAB

Project: Flores (Emeryville, CA)

System/Unit: FAN - Exhaust

Asset: EF-4 AREA:ELECTRICAL ROOM

Unit Data		
	Design	**Actual**
MFG	NA	CAPTIVEAIRE
Model Num	NA	DD10FA
Serial Num	-	175153
Type	-	DOWNBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	NL
Horsepower	0.25	0.25
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	5.0
Service Factor	-	1.35

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	4"
Motor Bore Size	-	7/16"
Motor Sheave SetPt	-	5 TURNS OPEN
Fan Sheave Size	-	4"
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	5"
Num of Belts	-	1
Belt Size	-	4L200

Test Data		
	Design	**Actual**
CFM	975	901
Fan RPM	1435	1368
RL Voltage	-	NA
RL Amperage	-	NA
Suction ESP	-	-0.31"
Discharge ESP	-	ATM
Total ESP	0.75	0.31"

Completed By: Zack Eismin on 10/05/2023

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Project: Flores (Emeryville, CA)

System/Unit: FAN - Exhaust

Asset: EF-5 AREA:RR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-090-4X-QD-R2
Serial Num	-	02D02167
Type	-	DOWNBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	FASCO
Frame	-	NL
Horsepower	0.25	0.25
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	4.1
Service Factor	-	1.15

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	VP25
Motor Bore Size	-	1/2"
Motor Sheave SetPt	-	2 TURNS OPEN
Fan Sheave Size	-	4"
Fan Sheave Bore	-	3/4"
Belt CL Distance	-	4-3/4"
Num of Belts	-	1
Belt Size	-	4L200

Test Data		
	Design	**Actual**
CFM	720	669
Fan RPM	1435	1379
RL Voltage	-	NA
RL Amperage	-	NA
Suction ESP	-	-0.38"
Discharge ESP	-	ATM
Total ESP	0.75	0.38"

Completed By: Zack Eismin on 10/04/2023

National TAB

Project:Flores (Emeryville, CA)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-5/RR

Asset								
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
E5-1	D	10	360	1	330	330	330	91.7
E5-2	D	10	360	1	339	339	339	94.2
Total			720		669	669	669	92.92%

National TAB

Project: Flores (Emeryville, CA)

System/Unit: FAN - Exhaust

Asset: EF-6 AREA:TRASH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	COOK
Model Num	NA	NL
Serial Num	-	NL
Type	CEILING	CEILING

Test Data		
	Design	**Actual**
CFM	160	151
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.50	0.29"

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	113W	NA
Motor Rpm	1500	NA
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	NA
Service Factor	-	NA

Completed By: Zack Eismin on 10/05/2023

National TAB

Project: Flores (Emeryville, CA)

System/Unit: FAN - Supply

Asset: MAU-1 AREA:HOOD #1

Unit Data		
	Design	**Actual**
MFG	NA	CAPTIVEAIRE
Model Num	NA	NHMUA2.12-G15
Serial Num	-	175153
Type	GAS FIRED	MUA
Configuration	HORIZONTAL	VERTICAL
Num Filters Size 1	-	3
Filter Size 1	-	24.5X19.5

Motor Data		
	Design	**Actual**
Motor MFG	-	A.O. SMITH
Frame	-	56H
Horsepower	1.5	1.5
Motor Rpm	-	1725
Phase	3	3
Voltage (rated)	480	230/460
Amperage (rated)	-	5.8/2.9
Service Factor	-	1.15

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	4"
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	2 TURNS OPEN
Fan Sheave Size	-	6.5"
Fan Sheave Bore	-	1"
Belt CL Distance	-	18.5"
Num of Belts	-	1
Belt Size	-	A50

Test Data		
	Design	**Actual**
CFM	3140	3147
SF RPM	1359	875
RL Voltage	-	477/477/477
RL Amperage	-	2.8/2.9/2.7
Suction ESP	-	NA
Discharge ESP	-	NA
Total ESP	0.500	NA
Brake Horse Power	-	1.4040

Completed By: Zack Eismin on 10/04/2023

National TAB

Project:Flores (Emeryville, CA)

FAN - Supply

Diffuser Supply (GRD)

MAU-1/HOOD #1

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
M1-1		A	12	400	392	392	98.0
M1-2	HOOD #1	DUCT		1440	1402	1402	97.4
M1-3	HOOD #1	DUCT		1440	1353	1353	94.0
Total				3280	3147	3147	95.95%

National TAB

Project: Flores (Emeryville, CA)

System/Unit: Kitchen Hood Type I

Asset: HOOD-1 AREA:MAIN HOOD

Unit Data		
	Design	**Actual**
MFG	NA	EXISTING
Model Num	NA	EXISTING
Job / Serial Num	-	NL
Type	TYPE I	TYPE I CANOPY
Hood length	137	165
Hood Width	48	48"

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLED
Filter Size 1	-	16X16
Filter Qty 1	-	10
Filter AK factor size 1	-	1.62
Filter Total AK Area	-	16.2
Filter1 FPM	-	224
Filter2 FPM	-	227
Filter3 FPM	-	272
Filter4 FPM	-	254
Filter5 FPM	-	226
Filter6 FPM	-	229
Filter7 FPM	-	215
Filter8 FPM	-	217
Filter9 FPM	-	221
Filter10 FPM	-	237
Filter Ave FPM(corr)	-	232
CFM	3600	3758

Cooking Equipment		
	Design	**Actual**
Item 1	-	FRYER
Item 2	-	STOVE RANGE

Completed By: Zack Eismin on 10/05/2023

National TAB

Project: Flores (Emeryville, CA)

System/Unit: Kitchen Hood Type I

Asset: HOOD-2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	CAPTIVEAIRE
Model Num	NA	6024 ND-2
Job / Serial Num	-	5785229
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	137	137"
Hood Width	60	60"

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	20X16	20X16
Filter Qty 1	8	8
Filter AK factor size 1	2.08	2.08
Filter Total AK Area	16.64	16.64
Filter1 FPM	-	162
Filter2 FPM	-	181
Filter3 FPM	-	180
Filter4 FPM	-	214
Filter5 FPM	-	223
Filter6 FPM	-	179
Filter7 FPM	-	171
Filter8 FPM	-	147
Filter Ave FPM(corr)	-	181
CFM	3140	3011

Cooking Equipment		
	Design	**Actual**
Item 1	-	FRYER
Item 2	-	FLAT TOP GRILL

Completed By: Zack Eismin on 10/05/2023