

**Report By:**

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**Report: TAB REPORT**  
**Function: Test, Adjust, & Balance**  
**Date: 09/23/2025**  
**Completed By: National TAB**

# PROJECT

## Namaste Market (Sunnyvale, CA)

415 Mary Avenue

Sunnyvale, CA 94085

### Client

Martinico & Sons, Inc.

1776 S. 7th St.

San Jose, CA 95112

# National TAB

Project: Namaste Market (Sunnyvale, CA)

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# CERTIFICATION

**PROJECT:** Namaste Market (Sunnyvale, 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:** 9/26/2025

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:** 3755

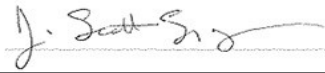
**CERTIFIED BY:** J. Scott Springer 23312

**DATE:** \_\_\_\_\_

## Submitted and Certified by:

**NEBB TAB FIRM:** National TAB-Southeast

**TAB PROFESSIONAL:** J. Scott Springer

**SIGNATURE:** 

**REGISTRATION NO:** 3755 (NTAB) / 23312

**CERTIFICATION EXP:** 12/31/2025





# 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	Shortridge ADM-880C S/N M05066	10/15/2024	10/15/2025
	AIR VELOCITY INSTRUMENT	50 fpm to 3900 fpm	+/- 5 % +/- 7 fpm	Shortridge ADM-880C S/N M05066	10/15/2024	10/15/2025
	DIRECT HOOD READING	100 cfm to 2000 cfm	+/- 3 % +/- 7 cfm	Shortridge Flow Hood	10/15/2024	10/15/2025
TEMPERATURE	AIR METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	AIR PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 5028	10/15/2024	10/15/2025
	IMMERSION METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	IMMERSION PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 1075	10/15/2024	10/15/2025
	CONTACT METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 081820093	10/15/2024	10/15/2025
	CONTACT PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - PD1388 7-6 S/N 4011	10/15/2024	10/15/2025
HUMIDITY	HUMIDITY PROBE	10 % RH to 90 % RH	3% of reading	Cooper ATKINS - SRH77A S/N 090315046	10/15/2024	10/15/2025
ELECTRICAL	VOLTAGE MEASUREMENT	0 VAC to 600 VAC	2 % reading +/- 5 digits	Dwyer CM-1 - S/N 190800099	10/15/2024	10/15/2025
	AMPERAGE MEASUREMENT	0 Amperers to 100 Amperes	2 % reading +/- 5 digits	Dwyer CM-1 - S/N 190800099	10/15/2024	10/15/2025
ROTATION	ROTATION MEASUREMENT	60 rpm to 5000 rpm	2 % reading 2 rpm	Dwyer TAC-L - S/N S1100123	10/15/2024	10/15/2025
HYDRONIC	PRESSURE MEASUREMENT	-30 in Hg to 200 psi	±2% of reading +/- 1 psi	Shortridge HDM 250 - S/N W25059	6/18/2025	6/18/2026
	DIFFERENTIAL PRESSURE MEASUREMENT	0 psi - 80 psi	±2% of reading +/- 1 psi	Shortridge HDM 250 - S/N W25059	6/18/2025	6/18/2026
DALT	DUCT LEAKAGE	-10" - +10" wc	±1% of reading +/- 0.004" wc	Kanomax DALT 6900 S/N: 080439	3/7/2025	3/7/2026

## Abbreviation List

A = Area (ft <sup>2</sup> )	S.F. = Service Factor
AHU = Air Handling Unit	SF = Supply Fan
A <sub>k</sub> = 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 <sub>ma</sub> = Mixed Air Temperature
CL = Center Distance (used in belt formula)	T <sub>oa</sub> = Outside Air Temperature
CD = Ceiling Diffuser	T <sub>ra</sub> = Return Air Temperature
CF = Correction Factor	H = Head (in wc, ft wc, psi)
CFM = Volumetric Flow: Cubic Feet Per Minute	h = Enthalpy
CO <sub>2</sub> = Carbon Dioxide	HP = Horsepower
CO = Carbon Monoxide	hr = Hour
C <sub>v</sub> = Flow Constant	K <sub>v</sub> = 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 <sub>ra</sub> = Return Air Temperature
psid = PSI Differential	TS = Tip Speed (fpm) IP, (m/s) SI
r = Radius (in)	TSP = Total Static Pressure
% <sub>ra</sub> = % 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: Namaste Market (Sunnyvale, CA)  
System/Unit: AHU/RTU



Asset: (E)AC-113

AREA:

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	W2M2141875
Model Num	NA	PCG4B481003X4A
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	13X12
Num PreFilter 1	-	2
PreFilter Size 1	-	15X20X1

Test Data		
	Design	Actual
SF CFM	1600	1511
SF RPM	-	1400
RA CFM	1280	1194
OA CFM	320	317
RL Voltage	208	204
RL Amperage	5.4	5.3
OA Damper Position	-	20%
Brake Horse Power	-	0.98

Motor Data		
	Design	Actual
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	-	3/4
Motor Rpm	-	1400
Phase	1	1
Rated Voltage	208-230	208-230
Rated Amperage	-	5.4
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.27"
Fan Suction SP	-	-0.43"
Fan Discharge SP	-	0.32"
Total ESP	-	0.59"
Fan Total SP	-	0.75"

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## Unit Data - PHOTO LOG



# National TAB

Project: Namaste Market (Sunnyvale, CA)

## AHU/RTU



**Diffuser Supply (GRD)**

(E)AC-113/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
113-1	BOH	SG	NL	200	181	181	90.5
113-2	BOH	SG	NL	200	187	187	93.5
113-3	BOH	SG	NL	200	185	185	92.5
113-4	BOH	SG	NL	200	199	199	99.5
113-5	BOH	SG	NL	200	196	196	98.0
113-6	BOH	SG	NL	200	191	191	95.5
113-7	BOH	SG	NL	200	185	185	92.5
113-8	BOH	SG	NL	200	187	187	93.5
Total				1600	1511	1511	94.44%

**Diffuser Ret/Exh (GRD)**

(E)AC-113/

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R113-1	BOH	RG	NL	640	1	603	603	94.2
R113-2	BOH	RG	NL	640	1	591	591	92.3
Total				1280		1194	1194	93.28%

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# National TAB

Project: Namaste Market (Sunnyvale, CA)  
System/Unit: AHU/RTU



Asset: (E)AC-114

AREA:

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	W2M2141850
Model Num	NA	PCG4B481003X4A
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	12X13
Num PreFilter 1	-	2
PreFilter Size 1	-	15X20X1

Test Data		
	Design	Actual
SF CFM	1600	1541
SF RPM	-	1400
RA CFM	1280	1248
OA CFM	320	293
RL Voltage	208-230	204
RL Amperage	5.4	5.3
OA Damper Position	-	20%
Brake Horse Power	-	0.74

Motor Data		
	Design	Actual
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	-	3/4
Motor Rpm	-	1400
Phase	3	3
Rated Voltage	208-230	208-230
Rated Amperage	-	5.4
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.24"
Fan Suction SP	-	-0.44"
Fan Discharge SP	-	0.29"
Total ESP	-	0.53"
Fan Total SP	-	0.73"

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## Unit Data - PHOTO LOG



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# National TAB

Project: Namaste Market (Sunnyvale, CA)

## AHU/RTU



**Diffuser Supply (GRD)**

(E)AC-114/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
S114-1	SALES FLOOR	SG	NL	200	191	191	95.5
S114-2	SALES FLOOR	SG	NL	200	189	189	94.5
S114-3	SALES FLOOR	SG	NL	200	193	193	96.5
S114-4	SALES FLOOR	SG	NL	200	199	199	99.5
S114-5	SALES FLOOR	SG	NL	200	191	191	95.5
S114-6	SALES FLOOR	SG	NL	200	201	201	100.5
S114-7	SALES FLOOR	SG	NL	200	186	186	93.0
S114-8	SALES FLOOR	SG	NL	200	191	191	95.5
Total				1600	1541	1541	96.31%

**Diffuser Ret/Exh (GRD)**

(E)AC-114/

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R114-1	SALES FLOOR	RG	NL	640	1	632	632	98.8
R114-2	SALES FLOOR	RG	NL	640	1	616	616	96.3
Total				1280		1248	1248	97.5%

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# National TAB

Project: Namaste Market (Sunnyvale, CA)  
System/Unit: AHU/RTU



Asset: (E)AC-115

AREA:

Unit Data		
	Design	Actual
MFG	NA	DAIKIN
Serial Num	-	1709439050
Model Num	NA	DSG0600903BXXXAA
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	17X12.5
Num PreFilter 1	-	4
PreFilter Size 1	-	14X20X2

Test Data		
	Design	Actual
SF CFM	2000	1851
SF RPM	-	934
RA CFM	1600	1460
OA CFM	400	391
RL Voltage	208-230	204/204/204
RL Amperage	3.3	2.48/2.48/2.48
OA Damper Position	-	20%
Brake Horse Power	-	0.75

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	143T
Horsepower	-	1
Motor Rpm	-	1760
Phase	3	3
Rated Voltage	208-230	230
Rated Amperage	-	3.3
Service Factor	-	1.15

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.27"
Fan Suction SP	-	-0.55"
Fan Discharge SP	-	0.42"
Total ESP	-	0.69"
Fan Total SP	-	0.97"

Drive Data	
	Actual
Motor Sheave Size	VL40
Motor Bore Size	7/8"
Motor Sheave SetPt	2 TURNS OPEN
Fan Sheave Size	6"
Fan Sheave Bore	1"
Belt CL Distance	20"
Num of Belts	1
Belt Size	AX52

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## Unit Data - PHOTO LOG



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# National TAB

Project: Namaste Market (Sunnyvale, CA)

## AHU/RTU



**Diffuser Supply (GRD)**

**(E)AC-115/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
115-1	FOH	SG	NL	200	181	181	90.5
115-2	FOH	SG	NL	200	180	180	90.0
115-3	FOH	SG	NL	200	183	183	91.5
115-4	FOH	SG	NL	200	185	185	92.5
115-5	FOH	SG	NL	200	182	182	91.0
115-6	FOH	SG	NL	200	186	186	93.0
115-7	FOH	SG	NL	200	192	192	96.0
115-8	FOH	SG	NL	200	180	180	90.0
115-9	FOH	SG	NL	200	197	197	98.5
115-10	FOH	SG	NL	200	185	185	92.5
Total				2000	1851	1851	92.55%

**Diffuser Ret/Exh (GRD)**

**(E)AC-115/**

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R115-1	FOH	RG	NL	800	1	741	740	92.5
R115-2	FOH	RG	NL	800	1	719	720	90.0
Total				1600		1460	1460	91.25%

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# National TAB

Project: Namaste Market (Sunnyvale, CA)  
System/Unit: AHU/RTU



Asset: (E)AC-116

AREA:

Unit Data		
	Design	Actual
MFG	NA	YORK
Serial Num	-	W2L2104389
Model Num	NA	PCG4B601003X4A
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	12.5X14
Num PreFilter 1	-	2
PreFilter Size 1	-	15X20X1

Test Data		
	Design	Actual
SF CFM	2000	1834
SF RPM	-	1400
RA CFM	-	1445
OA CFM	400	389
RL Voltage	208-230	204
RL Amperage	7.0	6.9
OA Damper Position	-	~20%
Brake Horse Power	-	0.99

Motor Data		
	Design	Actual
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	-	1
Motor Rpm	-	1400
Phase	3	1
Rated Voltage	208-230	208-230
Rated Amperage	-	7.0
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.31"
Fan Suction SP	-	-0.54"
Fan Discharge SP	-	0.41"
Total ESP	-	0.72"
Fan Total SP	-	0.95"

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### Unit Data - PHOTO LOG



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# National TAB

Project: Namaste Market (Sunnyvale, CA)

## AHU/RTU



**Diffuser Supply (GRD)**

**(E)AC-116/**

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
116-1	FOH	SG	NL	200	182	182	91.0
116-2	FOH	SG	NL	200	185	185	92.5
116-3	FOH	SG	NL	200	181	181	90.5
116-4	FOH	SG	NL	200	185	185	92.5
116-5	FOH	SG	NL	200	181	181	90.5
116-6	FOH	SG	NL	200	183	183	91.5
116-7	FOH	SG	NL	200	183	183	91.5
116-8	FOH	SG	NL	200	189	189	94.5
116-9	FOH	SG	NL	200	182	182	91.0
116-10	FOH	SG	NL	200	183	183	91.5
Total				2000	1834	1834	91.7%

**Diffuser Ret/Exh (GRD)**

**(E)AC-116/**

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R116-1				800	1	728	724	90.5
R116-2				800	1	719	721	90.1
Total				1600		1447	1445	90.31%

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# National TAB

Project: Namaste Market (Sunnyvale, CA)  
System/Unit: AHU/RTU



Asset: (E)AC-111B 1

AREA:

Unit Data		
	Design	Actual
MFG	NA	GOODMAN
Serial Num	-	1708200056
Model Num	NA	GPG1430040M41BA
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	11X4.5
Num PreFilter 1	-	1
PreFilter Size 1	-	16X25X2

Test Data		
	Design	Actual
SF CFM	1000	921
SF RPM	-	1050
RA CFM	800	728
OA CFM	200	193
RL Voltage	208-230	204
RL Amperage	3.8	3.6
OA Damper Position	-	20%
Brake Horse Power	-	0.47

Motor Data		
	Design	Actual
Motor MFG	-	BROAD-OCEAN
Frame	-	NL
Horsepower	-	0.5
Motor Rpm	-	1050
Phase	1	1
Rated Voltage	208-230	208-230
Rated Amperage	-	3.8-3.6
Service Factor	-	NL

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.17"
Fan Suction SP	-	-0.31"
Fan Discharge SP	-	0.24"
Total ESP	-	0.41"
Fan Total SP	-	0.55"

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Project: Namaste Market (Sunnyvale, CA)

## AHU/RTU



**Diffuser Supply (GRD)**

(E)AC-111B 1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
111-1	MEAT DEPT	SG	NL	333	307	307	92.2
111-2	MEAT DEPT	SG	NL	333	309	309	92.8
111-3	MEAT DEPT	SG	NL	334	305	305	91.3
Total				1000	921	921	92.1%

**Diffuser Ret/Exh (GRD)**

(E)AC-111B 1/

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R111-1	MEAT DEPT	RG	NL	800	1	728	728	91.0
Total				800		728	728	91%

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Project: Namaste Market (Sunnyvale, CA)  
System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	G-090-VG-1-17-X
Serial Num	-	26485111
Configuration	CRE	CRE

Test Data		
	Design	Actual
CFM	250	254
Fan RPM	-	1575
Fan Rotation	-	CCW
Motor RPM	-	1575
System SetPt	-	9
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.35	0.23"
Fan Inlet SP	-	-0.23"

Motor Data		
	Design	Actual
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	0.1
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.38
Service Factor	-	NL

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## Unit Data - PHOTO LOG



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# National TAB

Project: Namaste Market (Sunnyvale, CA)  
System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	NA	GREENHECK
Model Num	NA	G-080-D-1-17-X
Serial Num	-	26485106
Configuration	CRE	CRE

Test Data		
	Design	Actual
CFM	300	289
Fan RPM	-	1550
Fan Rotation	-	CCW
Motor RPM	-	1550
System SetPt	-	SINGLE SPEED
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.30	0.29"
Fan Inlet SP	-	-0.29"

Motor Data		
	Design	Actual
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	-	1/15
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	1.2
Service Factor	-	NL

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## Unit Data - PHOTO LOG



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