

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 11/04/2025
Completed By: National TAB

PROJECT
Wingstop (King City, CA)

510 Canal Street

King City, CA 93930

Client

KMS Resource Group Inc.
8502 E CHAPMAN AVE
SUITE 274
ORANGE, CA 92869

National TAB

Project: Wingstop (King City, CA)

Table Of Contents

Section	Page #
Certification	3
Equipment Calibrations	4
Abbreviations	5
GRD	6
AHU/RTU	7
FAN - Supply	13
FAN - Exhaust	15
Kitchen Hood Type I	19



CERTIFICATION

PROJECT: Wingstop (King City, 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: 1/12/2026

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

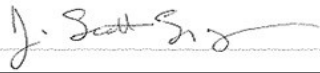
CERTIFIED BY: J. Scott Springer 23312

DATE: _____

Submitted and Certified by:

NEBB TAB FIRM: National TAB-Southeast

TAB PROFESSIONAL: J. Scott Springer

SIGNATURE: 

REGISTRATION NO: 3755 (NTAB) / 23312

CERTIFICATION EXP: 12/31/2026





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-860C S/N M19547	9/30/2025	9/30/2026
	AIR VELOCITY INSTRUMENT	50 fpm to 3900 fpm	+/- 5 % +/- 7 fpm	Shortridge ADM-860C S/N M19547	9/30/2025	9/30/2026
	DIRECT HOOD READING	100 cfm to 2000 cfm	+/- 3 % +/- 7 cfm	Evergreen Telemetry Capture Hood	8/12/2025	8/12/2026
TEMPERATURE	AIR METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 041018026	9/30/2025	9/30/2026
	AIR PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - 4011 S/N 33-20	9/30/2025	9/30/2026
	IMMERSION METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 041018026	9/30/2025	9/30/2026
	IMMERSION PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - 4011 S/N 33-20	9/30/2025	9/30/2026
	CONTACT METER	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - SRH77A S/N 041018026	9/30/2025	9/30/2026
	CONTACT PROBE	-20 F to 240 F	+/- .5 % 2 F	Cooper ATKINS - 4011 S/N 33-20	9/30/2025	9/30/2026
HUMIDITY	HUMIDITY PROBE	10 % RH to 90 % RH	3% of reading	Cooper ATKINS - SRH77A S/N 041018026	9/30/2025	9/30/2026
ELECTRICAL	VOLTAGE MEASUREMENT	0 VAC to 600 VAC	2 % reading +/- 5 digits	Dwyer CM-1 - S/N 190800099	9/30/2025	9/30/2026
	AMPERAGE MEASUREMENT	0 Amperers to 100 Amperes	2 % reading +/- 5 digits	Dwyer CM-1 - S/N 190800099	9/30/2025	9/30/2026
ROTATION	ROTATION MEASUREMENT	60 rpm to 5000 rpm	2 % reading 2 rpm	Dwyer TAC-L - S/N S1100123	9/30/2025	9/30/2026
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 +/- .0004" wc	Kanomax DALT 6900 S/N: 080439	3/7/2025	3/7/2026

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
CO ₂ = 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: Wingstop (King City, CA)

System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data	
	Actual
MFG	RHEEM
Serial Num	F212500247
Model Num	RGEAYB036ACT06UNA
Configuration	VERTICAL
Num OA Filters 1	N/A
OA Filter Size 1	N/A
Num PreFilter 1	1
PreFilter Size 1	14X20X1

Motor Data	
	Actual
Motor MFG	GENTEQ
Frame	NL
Horsepower	1
Motor Rpm	NL
Phase	1
Rated Voltage	208
Rated Amperage	7.6
Service Factor	1.0

Test Data		
	Design	Actual
SF CFM	780	1170
SF RPM	-	HIGH SPEED
RA CFM	1600	1170
OA CFM	400	0
RL Voltage	-	207
RL Amperage	-	5.3
Brake Horse Power	-	0.70

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.29"
Fan Discharge SP	-	0.35"
Total ESP	-	0.64"
Fan Total SP	-	0.74"

Completed By: Zack Eismin on 11/04/2025

Notes:
 OA REROUTED THROUGH RTU-2
 PROPRTIONALLY BALANCED TO 400CFM A TON / 1200CFM

Written By: Zack Eismin on 11/04/2025

Unit Data - PHOTO LOG



11/04/2025

National TAB
 Project:Wingstop (King City, CA)
AHU/RTU



Diffuser Supply (GRD)

RTU1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	BOH	S1	10	390	689	589	151.0
SGRD2	BOH	S1	10	390	501	581	149.0
Total				780	1190	1170	150%

Completed By: Zack Eismin on 11/04/2025

National TAB

Project: Wingstop (King City, CA)
System/Unit: AHU/RTU



Asset: RTU2

AREA:

Unit Data	
	Actual
MFG	RHEEM
Serial Num	F502401547
Model Num	RGEAZ060ACT10UNA
Configuration	VERTICAL
Num OA Filters 1	1
OA Filter Size 1	23X14
Num PreFilter 1	1
PreFilter Size 1	14X20X1

Motor Data	
	Actual
Motor MFG	GENTEQ
Frame	NL
Horsepower	1
Motor Rpm	NL
Phase	1
Rated Voltage	208
Rated Amperage	8.9
Service Factor	1.0

Test Data		
	Design	Actual
SF CFM	1600	1968
SF RPM	-	HIGH SPEED
RA CFM	1400	1365
OA CFM	200	603
RL Voltage	-	206
RL Amperage	-	7.1
SF System SetPt	-	HIGH SPEED
OA Damper Position	-	30%
Brake Horse Power	-	0.79

Performance Data		
	Design	Actual
Fan Suction SP	-	-0.35"
Fan Discharge SP	-	0.47"
Total ESP	-	0.99"
Fan Total SP	-	0.83"

Completed By: Zack Eismin on 11/04/2025

Notes:
UNIT PROPORTIONALLY BALANCED TO 400 CFM PER TON.
UNITS HAS RTU-1'S OA REROUTED THROUGH ITS ECONOMIZER.

Written By: Zack Eismin on 11/04/2025

Unit Data - PHOTO LOG



11/04/2025

National TAB
 Project:Wingstop (King City, CA)
AHU/RTU



Diffuser Supply (GRD)

RTU2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	106	S1	10	390	195	255	65.4
SGRD2	105	S2	10	390	209	249	63.8
SGRD3	HOOD	PSP	8	650	421	439	67.5
SGRD4	105	S2	10	390	278	271	69.5
SGRD5	104	S3	10	400	360	251	62.8
SGRD6	101	S1	10	360	287	259	71.9
SGRD7	101	S1	10	360	231	244	67.8
Total				2940	1981	1968	66.94%

Completed By: Zack Eismin on 11/04/2025

National TAB

Project: Wingstop (King City, CA)

System/Unit: FAN - Supply



Asset: MAU1

AREA:

Unit Data	
	Actual
MFG	ECONAIR
Model Num	EA2-D.250-20D
Serial Num	7625774
Type	MAU
Configuration	VERTICAL

Motor Data	
	Actual
Motor MFG	TECO
Frame	145T
Horsepower	1
Motor Rpm	1150
Phase	3
Voltage (rated)	208
Amperage (rated)	3.44
Service Factor	1.15

Test Data		
	Design	Actual
CFM	2160	2347
SF RPM	1064	1130
Motor Frequency	-	59HZ
SF System SetPt	-	59HZ
RL Voltage	208	206/206/206
RL Amperage	3.8	3.4/3.4/3.4
Suction ESP	-	ATM
Discharge ESP	-	0.59"
Brake Horse Power	-	0.89

Completed By: Zack Eismin on 11/04/2025

Unit Data - PHOTO LOG



11/04/2025

National TAB

Project: Wingstop (King City, CA)

System/Unit: FAN - Exhaust



Asset: EF2

AREA:

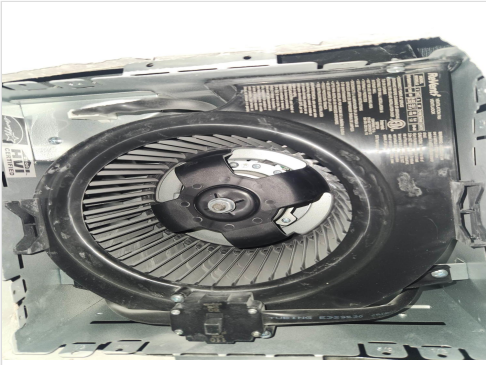
Unit Data	
	Actual
MFG	REVENT
Model Num	RVS80110
Serial Num	NL

Test Data		
	Design	Actual
CFM	150	145
RL Voltage	-	NA
RL Amperage	-	NA

Motor Data	
	Actual
Motor MFG	NL
Horsepower	27.8W
Motor Rpm	NL
Phase	1
Voltage (rated)	120
Amperage (rated)	0.25

Completed By: Zack Eismin on 11/04/2025

Unit Data - PHOTO LOG



11/04/2025

National TAB

Project: Wingstop (King City, CA)

System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data	
	Actual
MFG	ECONAIR
Model Num	EADU180H
Serial Num	7625774
Type	CRE

Motor Data	
	Actual
Motor MFG	TECO
Frame	184T
Horsepower	2
Motor Rpm	1165
Phase	3
Voltage (rated)	208
Amperage (rated)	6.56
Service Factor	1.15

Test Data		
	Design	Actual
CFM	2700	2714
Motor Frequency	-	56.5HZ
System SetPt	-	56.5HZ
RL Voltage	208	206/206/206
RL Amperage	7.3	5.9/5.9/5.9
Suction ESP	-	-1.13"
Discharge ESP	-	ATM
Brake Horse Power	-	1.62

Completed By: Zack Eismin on 11/04/2025

Unit Data - PHOTO LOG



11/04/2025

National TAB

Project: Wingstop (King City, CA)

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data	
	Actual
MFG	ECONAIR
Model Num	5430 EX-2
Job / Serial Num	7625774
Type	TYPE I PSP
Hood length	144"
Hood Width	54"
Supply Plenum Type	PERFORATED
Supply Plenum Width	14"
Supply Plenum Length	156"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	20X16	20X16
Filter Qty 1	9	9
Filter AK factor size 1	-	2.08
Filter Total AK Area	-	18.72
Filter1 FPM	-	159
Filter2 FPM	-	151
Filter3 FPM	-	165
Filter4 FPM	-	157
Filter5 FPM	-	155
Filter6 FPM	-	133
Filter7 FPM	-	129
Filter8 FPM	-	130
Filter9 FPM	-	123
Filter Ave FPM(corr)	-	145
CFM	2700	2714

Cooking Equipment	
	Actual
Item 1	FRYERS

Test Data Supply		
	Design	Actual
Total Area	15.16	15.16
Kv factor (Vel)	-	0.89
Num of Readings	-	12
Reading1 FPM	-	190
Reading2 FPM	-	160
Reading3 FPM	-	183
Reading4 FPM	-	152
Reading5 FPM	-	191
Reading6 FPM	-	178
Reading7 FPM	-	181
Reading8 FPM	-	187
Reading9 FPM	-	171
Reading10 FPM	-	145
Reading11 FPM	-	179
Reading12 FPM	-	173
Ave FPM(corr)	-	174
CFM	2360	2347

Completed By: Zack Eismin on 11/04/2025

Unit Data - PHOTO LOG



11/04/2025