



National TAB

Project: 10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



System/Unit: AHU/RTU

Asset: RTU1

AREA:FRONT KITCHEN

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5619F0587
Model Num	ZGB060S4BS1Y	ZGB060S4BS1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	12X16
Num Final Filter 1	-	2
Final Filter Size 1	-	16X20X2
Num Final Filter 2	-	2
Final Filter Size 2	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	NL
Horsepower	1.5	1.5
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	208	208
Rated Amperage	-	4.1

Drive Data	
	Actual
Motor Sheave Size	3.25"
Motor Bore Size	0.75"
Motor Sheave SetPt	3 TURNS OPEN
Fan Sheave Size	4"
Fan Sheave Bore	0.5"
Belt CL Distance	15.5"
Num of Belts	1
Belt Size	AX39
Belt Alignment	CORRECT

Test Data		
	Design	Actual
SF CFM	2000	1922
SF RPM	-	1256
RA CFM	1660	1565
OA CFM	340	357
RL Voltage	-	206/206/207
RL Amperage	-	3.5/3.4/3.4
SF Rotation	-	CCW
Min OA Damper Position	-	1/2"
Min OA Damper Type	-	SINGLE BLADE

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.47"
Fan Suction SP	-	-0.75"
Fan Discharge SP	-	0.46"
Total ESP	1.0"	0.93"
Fan Total SP	-	1.21"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Oscar Ventura on 10/16/2024



National TAB

Project:10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)

AHU/RTU



Diffuser Supply (GRD)

RTU1/FRONT KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	FRONT KITCHEN	D	10"	240		351	337	221	92.1
SGRD2	FRONT KITCHEN	D	10"	245		305	369	254	103.7
SGRD3	FRONT KITCHEN	D	10"	245		274	366	223	91.0
SGRD4	FRONT KITCHEN	D	10"	245		284	232	225	91.8
SGRD5	KITCHEN HOOD	ACPSP	140X6	780	0.76	625	749	758	97.2
SGRD6	FRONT KITCHEN	D	10"	245		283	339	241	98.4
Total				2000		2122	2392	1922	96.1%

Completed By: Oscar Ventura on 10/16/2024



National TAB

Project: 10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



System/Unit: AHU/RTU

Asset: RTU2

AREA:BACK KITCHEN

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5620C08909
Model Num	ZGB060S4BM1Y	ZGB060S4BM1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	12X16
Num Final Filter 1	-	2
Final Filter Size 1	-	16X20X2
Num Final Filter 2	-	2
Final Filter Size 2	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	NL
Horsepower	1.5	1.5
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	208	208
Rated Amperage	-	4.1

Drive Data	
	Actual
Motor Sheave Size	3.25"
Motor Bore Size	0.75"
Motor Sheave SetPt	CLOSED
Fan Sheave Size	4"
Fan Sheave Bore	0.5"
Belt CL Distance	15"
Num of Belts	1
Belt Size	AX38
Belt Alignment	CORRECT

Test Data		
	Design	Actual
SF CFM	1850	1687
SF RPM	-	1353
RA CFM	1387	1183
OA CFM	463	504
RL Voltage	-	205/206/207
RL Amperage	-	3.5/3.5/3.7
SF Rotation	-	CCW
Min OA Damper Position	-	1/2"
Min OA Damper Type	-	SINGLE BLADE

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.36"
Fan Suction SP	-	-0.54"
Fan Discharge SP	-	0.45"
Total ESP	1.0"	0.81"
Fan Total SP	-	0.99"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Oscar Ventura on 10/16/2024



National TAB

Project:10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)

AHU/RTU



Diffuser Supply (GRD)

RTU2/BACK KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	BACK KITCHEN	A	12"	425		236		388	91.3
SGRD2	BACK KITCHEN	A	12"	425		298		388	91.3
SGRD3	BACK KITCHEN	A	12"	425		275		389	91.5
SGRD4	OFFICE	A	8"	150		104		137	91.3
SGRD5	BACK KITCHEN	A	12"	425		381		385	90.6
Total				1850		1294	0	1687	91.19%

Completed By: Oscar Ventura on 10/16/2024



National TAB

Project: 10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



System/Unit: AHU/RTU

Asset: RTU3

AREA: DINING/RESTROOMS

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5620C10116
Model Num	ZGB0150S4BS1Y	ZGB0150S4BS1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	16X24
Num Final Filter 1	-	4
Final Filter Size 1	-	20X24X2

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	184TZ
Horsepower	5	5
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	208	208
Rated Amperage	-	13.8

Drive Data	
	Actual
Motor Sheave Size	5"
Motor Bore Size	1"
Motor Sheave SetPt	2 TURNS
Fan Sheave Size	9"
Fan Sheave Bore	1"
Belt CL Distance	15.5"
Num of Belts	1
Belt Size	BX50
Belt Alignment	CORRECT

Test Data		
	Design	Actual
SF CFM	3775	3658
SF RPM	-	1014
RA CFM	3095	2961
OA CFM	680	697
RL Voltage	-	205/207/206
RL Amperage	-	8.1/8.0/8.2
SF Rotation	-	CCW
SF System SetPt	-	1TURN
Min OA Damper Position	-	1/2"
Min OA Damper Type	-	SINGLE BLADE

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.22"
Fan Suction SP	-	-0.59"
Fan Discharge SP	-	1.65"
Total ESP	1.0"	1.87"
Fan Total SP	-	2.24"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Oscar Ventura on 10/16/2024



National TAB

Project:10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



AHU/RTU

Diffuser Supply (GRD)

RTU3/DINING/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	E		290		345		278	95.9
SGRD2	DINING	E		300		348		304	101.3
SGRD3	DINING	E		300		487		278	92.7
SGRD4	DINING	E		290		424		275	94.8
SGRD5	DINING	E		290		398		269	92.8
SGRD6	DINING	E		295		356		271	91.9
SGRD7	DINING	E		290		348		286	98.6
SGRD8	DINING	E		290		329		266	91.7
SGRD9	DINING	E		290		311		283	97.6
SGRD10	DINING	E		295		348		297	100.7
SGRD11	DINING	E		295		359		305	103.4
SGRD12	CORRIDOR	B		275		364		271	98.5
SGRD13	CORRIDOR	B		125		358		119	95.2
SGRD14	WOMENS RR	B		75		108		80	106.7
SGRD15	MENS RR	B		75		109		76	101.3
Total				3775		4992	0	3658	96.9%

Completed By: Oscar Ventura on 10/16/2024



National TAB

Project: 10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



System/Unit: FAN - Exhaust

Asset: CEF1

AREA:WOMENS RESTROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-A290	SP-A250
Serial Num	-	25217470
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.56
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	100	159
Fan RPM	-	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	SINGLE SPEED
RL Voltage	-	(1)
RL Amperage	-	(1)
Total ESP	0.3"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

Completed By: Oscar Ventura on 10/16/2024

Notes:
SINGLE SPEED FAN, NOT ADJUSTABLE.
(1). TEST POINTS NOT ACCESSIBLE.

Written By: Wesley John on 10/24/2024



National TAB

Project: 10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



System/Unit: FAN - Exhaust

Asset: CEF2

AREA:MENS RESTROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-A290	SP-A250
Serial Num	-	25217471
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	-	1/30
Motor Rpm	-	1000
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.56
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	100	165
Fan RPM	-	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	SINGLE SPEED
RL Voltage	-	(1)
RL Amperage	-	(1)
Total ESP	0.3"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

Completed By: Oscar Ventura on 10/16/2024

Notes:
SINGLE SPEED, NOT ADJUSTABLE.
(1). TEST POINTS NOT ACCESSIBLE.

Written By: Wesley John on 10/24/2024



National TAB

Project: 10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



System/Unit: FAN - Exhaust

Asset: KEF1

AREA:HOOD-1

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	6715885
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	TELCO
Frame	-	NL
Horsepower	1.000	1
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	NL
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	2381	2431
Fan RPM	1567	1422
Fan Rotation	-	CCW
Motor RPM	-	1422
System SetPt	-	79%
RL Voltage	-	120
RL Amperage	-	9.8
Total ESP	1.000"	1.15"
Fan Inlet SP	-	-1.15"
Fan Discharge SP	-	ATM

Completed By: Oscar Ventura on 10/17/2024



National TAB

Project: 10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



System/Unit: FAN - Supply

Asset: MUA1

AREA:HOOD-1

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	A1-D.250-15D-MPU	A1-D.250-15D-MPU
Serial Num	-	6715885
Type	MUA	MUA
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	145T
Horsepower	2	2
Motor Rpm	-	1745
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	5.6
Service Factor	-	1.15

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	YES
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60
Air Flow Switch SP Actual	-	0.54"

Test Data		
	Design	Actual
CFM	1976	1909
SF RPM	2171	1606
Motor RPM	-	1308
SF System SetPt	-	55 Hz
RL Voltage	-	208/209/209
RL Amperage	-	4.9
Total ESP	-	0.57"
Fan Discharge SP	-	0.57"

General	
	Actual
Fan Rotation Correct	YES

Completed By: Oscar Ventura on 10/20/2024



National TAB

Project: 10-14-24 CAVA CHATTANOOGA, TN (GUNBARREL RD)



System/Unit: Kitchen Hood Type I

Asset: HD1

AREA:COOKLINE

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6030 ND-2-ACPSP-F	6030 ND-2
Job / Serial Num	-	6715885
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	127"	127"
Hood Width	60"	60"
Supply Plenum Type	-	PSP
Supply Plenum Width	14"	14"
Supply Plenum Length	140"	139"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16X20	16X20
Filter Qty 1	7	7
Filter AK factor size 1	2.08	2.08
Filter Total AK Area	14.56	14.56
Filter1 FPM	-	148
Filter2 FPM	-	152
Filter3 FPM	-	185
Filter4 FPM	-	185
Filter5 FPM	-	174
Filter6 FPM	-	169
Filter7 FPM	-	161
Filter Ave FPM(corr)	-	167
CFM	2381	2431

Cooking Equipment	
	Actual
Item 1	OVEN
Item 2	RANGE
Item 3	BURNER
Item 4	FRYER

Test Data Supply		
	Design	Actual
Total AK Area	13.61	13.51
Kv factor (Vel)	0.89	0.90
Num of Readings	-	9
Reading1 FPM	-	160
Reading2 FPM	-	157
Reading3 FPM	-	163
Reading4 FPM	-	159
Reading5 FPM	-	161
Reading6 FPM	-	155
Reading7 FPM	-	158
Reading8 FPM	-	148
Reading9 FPM	-	152
Ave FPM(corr)	-	157
CFM	1976	1909

Completed By: Oscar Ventura on 10/20/2024