

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-A1

AREA:DINING

Unit Data		
	Design	Actual
MFG	CARRIER	TRANE
Serial Num	-	113611960L
Model Num	48TCDA06A2A5	YSC060E3ELA0000
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	28.5X11
Num Final Filter 1	-	2
Final Filter Size 1	-	20X30X2
Num Final Filter 2	-	N/L
Final Filter Size 2	-	N/L

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	1.5	1.0
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	200
Rated Amperage	-	4.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	VL34
Motor Bore Size	-	5/8
Motor Sheave SetPt	-	2 TURNS OUT
Fan Sheave Size	-	AK44
Fan Sheave Bore	-	0.75"
Belt CL Distance	-	9.0"
Num of Belts	-	1
Belt Size	-	A25
Belt Alignment	-	GOOD

Test Data		
	Design	Actual
SF CFM	2000	2103
SF RPM	-	1076
RA CFM	1508	1695
OA CFM	450	408
RL Voltage	-	208/208/207
RL Amperage	-	3.0/3.1/3.1
SF Rotation	-	CW
RA Damper Position	-	NO DAMPER
Min OA Damper Position	-	1 7/8
Min OA Damper Type	-	MANUAL DAMPER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.18"
Fan Suction SP	-	-0.596"
Fan Discharge SP	-	0.30"
Total ESP	0.8"	0.48"
Fan Total SP	-	1.076"

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

Completed By: Dale Wheeler

Notes: [1] UNIT GRILLS TO NOT MATCH WHAT IS SHOWN ON GRD.

National TAB

Project:08-15 FIVE GUYS - SAVANNAH, GA

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU-A1/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	F		400	1	369	373	373	93.3
SGRD2	DINING	F		400	1	238	243	243	60.8
SGRD3	DINING	E		275	1	137	154	154	56.0
SGRD4	DINING	E		275	1	334	351	351	127.6
SGRD5	DINING	E		275	1	319	328	328	119.3
SGRD6	DINING	E		225	1	532	549	549	244.0
SGRD7	WOMENS RR	A		50	1	52	54	54	108.0
SGRD8	MENS RR	A		100	1	47	51	51	51.0

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National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-A1

AREA: KITCHEN / BACK OF HOUSE

Unit Data		
	Design	Actual
MFG	CARRIER	LENNOX
Serial Num	-	5619D03188
Model Num	48TCDA06A2A5	LGH060H4EU4Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	31X13.75
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	N/L
Final Filter Size 2	-	N/L

Test Data		
	Design	Actual
SF CFM	2000	1801
SF RPM	-	DD
RA CFM	1508	1395
OA CFM	450	406
RL Voltage	-	209
RL Amperage	-	7.4
SF Rotation	-	CCW
RA Damper Position	-	4.25"
Min OA Damper Position	-	25%
Min OA Damper Type	-	ECON

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	1.5	1
Motor Rpm	-	N/L
Phase	-	1
Rated Voltage	-	200
Rated Amperage	-	7.4

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.32"
Fan Suction SP	-	-0.47"
Fan Discharge SP	-	0.95"
Total ESP	0.8"	1.25"
Fan Total SP	-	1.42"

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	DD
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

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

Completed By: Dale Wheeler

Notes: [1] UNIT SERVES BACK OF HOUSE/ KITHCEN AREA.

National TAB

Project:08-15 FIVE GUYS - SAVANNAH, GA

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU-A1/KITCHEN / BACK OF HOUSE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	OFFICE	B		200	1	158	159	163	81.5
SGRD2	PREP	C		450	1	364	364	377	83.8
SGRD3	PREP	C		450	1	454	454	468	104.0
SGRD4	PREP	C		450	1	338	338	354	78.7
SGRD5	PREP	C		450	1	416	422	439	97.6

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Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-E2

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	113510L01L
Model Num	NA	YSC060E3ELA
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	28.5X11
OA Filter Size 1	-	2
Num Final Filter 1	-	20X30X2
Final Filter Size 1	-	N/A
Num Final Filter 2	-	N/A
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	1900	2060
SF RPM	-	1074
RA CFM	-	1619
OA CFM	450	441
RL Voltage	-	206/205/206
RL Amperage	-	3.1/3.4/3.1
SF Rotation	-	CW
RA Damper Position	-	NO DAMPER
Min OA Damper Position	-	2.0"
Min OA Damper Type	-	MANUAL DAMPER

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	-	1.0
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	200
Rated Amperage	-	4.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.221"
Fan Suction SP	-	-0.717"
Fan Discharge SP	-	0.2"
Total ESP	-	0.421"
Fan Total SP	-	0.917"

Drive Data		
	Design	Actual
Motor Sheave Size	-	VL34
Motor Bore Size	-	5/8
Motor Sheave SetPt	-	2 TURNS OUT
Fan Sheave Size	-	AK44
Fan Sheave Bore	-	0.75"
Belt CL Distance	-	8.75"
Num of Belts	-	1
Belt Size	-	A-25
Belt Alignment	-	GOOD

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: Dale Wheeler

Notes: [1] UNIT GRILLS TO NOT MATCH WHAT IS SHOWN ON GRD.

National TAB

Project:08-15 FIVE GUYS - SAVANNAH, GA

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU-E2/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	E		275	1	452	491	491	178.5
SGRD2	DINING	E		275	1	493	522	522	189.8
SGRD3	DINING	E		275	1	301	327	327	118.9
SGRD4	DINING	E		275	1	694	720	720	261.8
SGRD5	DINING	F		400	1	0	0	0	0.0
SGRD6	DINING	G		400	1	0	0	0	0.0

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Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-E3

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	1608125981
Model Num	NA	YSC063G3ELA0000
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	NO OA
OA Filter Size 1	-	NO OA
Num Final Filter 1	-	4
Final Filter Size 1	-	18X18X2
Num Final Filter 2	-	N/L
Final Filter Size 2	-	N/L

Test Data		
	Design	Actual
SF CFM	2000	1802
SF RPM	-	DD
RA CFM	-	1802
OA CFM	-	0
RL Voltage	-	209
RL Amperage	-	4.6
SF Rotation	-	CW
RA Damper Position	-	NO RETURN
Min OA Damper Position	-	NO OA
Min OA Damper Type	-	NO OA

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	-	1.0
Motor Rpm	-	N/L
Phase	-	1
Rated Voltage	-	208
Rated Amperage	-	6.9

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.22"
Fan Suction SP	-	-0.44"
Fan Discharge SP	-	0.19"
Total ESP	-	0.41"
Fan Total SP	-	0.63"

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	DD
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: Dale Wheeler

Notes: [1] UNIT GRILLS TO NOT MATCH WHAT IS SHOWN ON GRD. [2] UNIT DOES NOT HAVE AN OA CANOPY/ INTAKE INSTALLED RECOMMEND ONE BE INSTALLED ON UNIT.

National TAB

Project:08-15 FIVE GUYS - SAVANNAH, GA

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU-E3/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	G		500	1	301	368	368	73.6
SGRD2	DINING	F		400	1	412	437	437	109.3
SGRD3	DINING	E		275	1	463	494	494	179.6
SGRD4	DINING	E		275	1	479	503	503	182.9
SGRD5	DINING	E		275	1	0	0	0	0.0
SGRD6	DINING	E		275	1	0	0	0	0.0

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National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-E4

AREA:SERVING

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5621E09908
Model Num	NA	LGH060S4TU5Y
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29X14
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	N/L
Final Filter Size 2	-	N/L

Test Data		
	Design	Actual
SF CFM	2000	2196
SF RPM	-	847
RA CFM	-	1703
OA CFM	450	493
RL Voltage	-	209/209/208
RL Amperage	-	1.8/1.9/1.9
SF Rotation	-	CCW
RA Damper Position	-	7.0"
Min OA Damper Position	-	3 5/8
Min OA Damper Type	-	[2] SET MANUALLY

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	56
Horsepower	-	1.0
Motor Rpm	-	1745
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	3.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.48"
Fan Suction SP	-	-0.61"
Fan Discharge SP	-	0.64"
Total ESP	-	1.12"
Fan Total SP	-	1.25"

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.0"
Motor Bore Size	-	0.75"
Motor Sheave SetPt	-	MINIMIZED
Fan Sheave Size	-	4.75"
Fan Sheave Bore	-	1.0"
Belt CL Distance	-	16.0"
Num of Belts	-	1
Belt Size	-	A-40
Belt Alignment	-	GOOD

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

Completed By: Dale Wheeler

Notes: [1] UNIT GRILLS DO NOT MATCH WHAT IS SHOWN ON GRD. [2] OA HAD TO BE SET MANUALLY DUE TO ECON NOT WORKING. UNIT TEMP. DISCHARGE IS 66F AT DIFFUSER

National TAB

Project:08-15 FIVE GUYS - SAVANNAH, GA

AHU/RTU



Comfort. Under control.

Diffuser Supply (GRD)

RTU-E4/SERVING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	COOKLINE	D		350	1	199	199	256	73.1
SGRD2	COOKLINE	D		300	1	244	244	314	104.7
SGRD3	COOKLINE	D		300	1	214	214	276	92.0
SGRD4	COOKLINE	D		300	1	269	269	347	115.7
SGRD5	COOKLINE	D		350	1	256	256	330	94.3
SGRD6	SERVICE	D		200	1	269	269	347	173.5
SGRD7	SERVICE	D		200	1	253	253	326	163.0

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National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	HRE-24	HRE-24
Serial Num	-	1386233
Type	UPBLAST	UTILITY
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	184T
Horsepower	5	5.0
Motor Rpm	-	1775
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	14.0
Service Factor	-	1.15

Drive Data		
	Design	Actual
Motor Sheave Size	-	2VP42
Motor Bore Size	-	1 1/8
Motor Sheave SetPt	-	3 TURNS OUT
Fan Sheave Size	-	5 5/8
Fan Sheave Bore	-	1 3/8
Belt CL Distance	-	10 3/8
Num of Belts	-	2
Belt Size	-	BX33

Test Data		
	Design	Actual
CFM	5300	4705
Fan RPM	1084	1059
Fan Rotation	-	CCW
Motor RPM	-	1760
RL Voltage	-	207/207/207
RL Amperage	-	8.4/8.7/8.9
Suction ESP	-	[1]
Discharge ESP	-	[1]
Total ESP	-2.0"	[1]

Completed By: Dale Wheeler

Notes:

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Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-A2

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	GREENHECK	COOK
Model Num	G-085-D	90 ACEH 90C10DH
Serial Num	-	050SD76371
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	FASCO
Frame	-	N/L
Horsepower	1/20	1/25
Motor Rpm	-	1050
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.4
Service Factor	-	1.0

Test Data		
	Design	Actual
CFM	375	-
Fan RPM	-	[1]
Fan Rotation	-	[1]
Motor RPM	-	[1]
System SetPt	-	[1]
RL Voltage	-	[1]
RL Amperage	-	[1]
Total ESP	0.375"	[1]
Fan Inlet SP	-	[1]
Fan Discharge SP	-	[1]

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Notes:

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Project:08-15 FIVE GUYS - SAVANNAH, GA

FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-A2/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WOMENS RR	J			1				
EGRD2	MENS RR	J			1				
EGRD3	MOP ROOM	J			1				

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Comfort. Under control.

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: FAN - Supply

Asset: MAU1

AREA:

Unit Data		
	Design	Actual
MFG	NA	FLO AIRE
Model Num	NA	NSA12
Serial Num	-	1105108
Type	-	MAU
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	NEMA
Frame	-	145T
Horsepower	-	2.0
Motor Rpm	-	1745
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	5.9
Service Factor	-	1.15

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	N/A
Flame Status (pass/fail)	-	N/A
Inlet Air Temp SetPt	-	N/A
Discharge Air Temp SetPt	-	N/A
Air Flow Switch SP Actual	-	N/A

Test Data		
	Design	Actual
CFM	-	2452
SF RPM	-	751
Motor RPM	-	1783
SF System SetPt	-	2.5 TURNS OUT
RL Voltage	-	209/209/209
RL Amperage	-	2.9/2.9/2.8
Total ESP	-	N/R
Fan Discharge SP	-	N/R

General		
	Design	Actual
Fan Rotation Correct	-	YES

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Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	NA	COMMERCIAL AIRE
Model Num	NA	CADEX-146.54-FP
Job / Serial Num	-	0310-7154
Type	-	TYPE 1 CANOPY
Hood length	-	144
Hood Width	-	54

Performance Data		
	Design	Actual
Smoke Generation Type	-	SMOKE EMITTER
Hood Capture %	-	100%
End Panels Installed (Y/N)	-	YES

General		
	Design	Actual
Third Party Witness	-	JADA
Third Party Company	-	5 GUYS
Tech Witness	-	DALE WHEELER

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLED
Filter Size 1	-	20X16
Filter Size 2	-	16X16
Filter Qty 1	-	5
Filter Qty 2	-	3
Filter AK factor size 1	-	2.08
Filters AK factor size 2	-	1.62
Filter Total AK Area	-	15.26
Filter1 FPM	-	185
Filter2 FPM	-	197
Filter3 FPM	-	184
Filter4 FPM	-	197
Filter5 FPM	-	210
Filter6 FPM	-	184
Filter7 FPM	-	151
Filter8 FPM	-	184
Filter9 FPM	-	N/A
Filter10 FPM	-	N/A
Filter11 FPM	-	N/A
Filter12 FPM	-	N/A
Filter Ave FPM(corr)	-	186
CFM	-	2838

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE
Item 2	-	N/A

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Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	NA	COMMERCIAL AIRE
Model Num	NA	CADEX-94.54-FP
Job / Serial Num	-	0310-7154
Type	-	TYPE 1 CANOPY
Hood length	-	94
Hood Width	-	54

Performance Data		
	Design	Actual
Smoke Generation Type	-	SMOKE EMITTER
Hood Capture %	-	100%
End Panels Installed (Y/N)	-	YES

General		
	Design	Actual
Third Party Witness	-	JADA
Third Party Company	-	5 GUYS
Tech Witness	-	DALE WHEELER

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLED
Filter Size 1	-	16X16
Filter Size 2	-	20X16
Filter Qty 1	-	3
Filter Qty 2	-	2
Filter AK factor size 1	-	1.62
Filters AK factor size 2	-	2.08
Filter Total AK Area	-	9.02
Filter1 FPM	-	208
Filter2 FPM	-	208
Filter3 FPM	-	220
Filter4 FPM	-	203
Filter5 FPM	-	197
Filter6 FPM	-	N/R
Filter7 FPM	-	N/R
Filter8 FPM	-	N/R
Filter9 FPM	-	N/R
Filter10 FPM	-	N/R
Filter11 FPM	-	N/R
Filter12 FPM	-	N/R
Filter Ave FPM(corr)	-	207
CFM	-	1867

Cooking Equipment		
	Design	Actual
Item 1	-	FRYER
Item 2	-	FRYER

Completed By: Dale Wheeler

Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: PSP-HD1

AREA:

Unit Data		
	Design	Actual
MFG	NA	COMERCIAL AIRE
Model Num	NA	CADEX-146.54-FP
Supply Plenum Type	-	PSP
Supply Plenum Width	-	14"
Supply Plenum Length	-	144"

Test Data Supply		
	Design	Actual
AK factor	-	14.0
Kv factor (Vel)	-	0.87
Num of Readings	-	9
Reading1 FPM	-	177
Reading2 FPM	-	88
Reading3 FPM	-	134
Reading4 FPM	-	29
Reading5 FPM	-	54
Reading6 FPM	-	19
Reading7 FPM	-	119
Reading8 FPM	-	179
Reading9 FPM	-	34
Reading10 FPM	-	N/L
Reading11 FPM	-	N/L
Reading12 FPM	-	N/L
Reading13 FPM	-	N/L
Reading14 FPM	-	N/L
Ave FPM(corr)	-	137
CFM	-	1644

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Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: PSP-HD2

AREA:

Unit Data		
	Design	Actual
MFG	NA	CADEX-146.54-FP
Model Num	NA	NA
Supply Plenum Type	-	PSP
Supply Plenum Width	-	14"
Supply Plenum Length	-	54"

Test Data Supply		
	Design	Actual
AK factor	-	5.25
Kv factor (Vel)	-	0.87
Num of Readings	-	6
Reading1 FPM	-	113
Reading2 FPM	-	241
Reading3 FPM	-	213
Reading4 FPM	-	147
Reading5 FPM	-	161
Reading6 FPM	-	186
Reading7 FPM	-	N/R
Reading8 FPM	-	N/R
Reading9 FPM	-	N/R
Reading10 FPM	-	N/R
Reading11 FPM	-	N/R
Reading12 FPM	-	N/R
Reading13 FPM	-	N/R
Reading14 FPM	-	N/R
Ave FPM(corr)	-	177
CFM	-	808

Completed By: Dan Hertenstein

Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-A1

AREA:DINING

Unit Data		
	Design	Actual
MFG	CARRIER	TRANE
Serial Num	-	113611960L
Model Num	48TCDA06A2A5	YSC060E3ELA0000
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	28.5X11
Num Final Filter 1	-	2
Final Filter Size 1	-	20X30X2
Num Final Filter 2	-	N/L
Final Filter Size 2	-	N/L

Test Data		
	Design	Actual
SF CFM	2000	2103
SF RPM	-	1076
RA CFM	1508	1695
OA CFM	450	408
RL Voltage	-	208/208/207
RL Amperage	-	3.0/3.1/3.1
SF Rotation	-	CW
RA Damper Position	-	NO DAMPER
Min OA Damper Position	-	1 7/8
Min OA Damper Type	-	MANUAL DAMPER

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	1.5	1.0
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	200
Rated Amperage	-	4.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.18"
Fan Suction SP	-	-0.596"
Fan Discharge SP	-	0.30"
Total ESP	0.8"	0.48"
Fan Total SP	-	1.076"

Drive Data		
	Design	Actual
Motor Sheave Size	-	VL34
Motor Bore Size	-	5/8
Motor Sheave SetPt	-	2 TURNS OUT
Fan Sheave Size	-	AK44
Fan Sheave Bore	-	0.75"
Belt CL Distance	-	9.0"
Num of Belts	-	1
Belt Size	-	A25
Belt Alignment	-	GOOD

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

Completed By: Dale Wheeler

Notes:[1] UNIT GRILLS TO NOT MATCH WHAT IS SHOWN ON GRD.

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-A1

AREA: KITCHEN / BACK OF HOUSE

Unit Data		
	Design	Actual
MFG	CARRIER	LENNOX
Serial Num	-	5619D03188
Model Num	48TCDA06A2A5	LGH060H4EU4Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	31X13.75
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	N/L
Final Filter Size 2	-	N/L

Test Data		
	Design	Actual
SF CFM	2000	1801
SF RPM	-	DD
RA CFM	1508	1395
OA CFM	450	406
RL Voltage	-	209
RL Amperage	-	7.4
SF Rotation	-	CCW
RA Damper Position	-	4.25"
Min OA Damper Position	-	25%
Min OA Damper Type	-	ECON

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	1.5	1
Motor Rpm	-	N/L
Phase	-	1
Rated Voltage	-	200
Rated Amperage	-	7.4

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.32"
Fan Suction SP	-	-0.47"
Fan Discharge SP	-	0.95"
Total ESP	0.8"	1.25"
Fan Total SP	-	1.42"

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	DD
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

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

Completed By: Dale Wheeler

Notes:[1] UNIT SERVES BACK OF HOUSE/ KITHCEN AREA.

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-E2

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	113510L01L
Model Num	NA	YSC060E3ELA
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	28.5X11
OA Filter Size 1	-	2
Num Final Filter 1	-	20X30X2
Final Filter Size 1	-	N/A
Num Final Filter 2	-	N/A
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	1900	2060
SF RPM	-	1074
RA CFM	-	1619
OA CFM	450	441
RL Voltage	-	206/205/206
RL Amperage	-	3.1/3.4/3.1
SF Rotation	-	CW
RA Damper Position	-	NO DAMPER
Min OA Damper Position	-	2.0"
Min OA Damper Type	-	MANUAL DAMPER

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	-	1.0
Motor Rpm	-	1725
Phase	-	3
Rated Voltage	-	200
Rated Amperage	-	4.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.221"
Fan Suction SP	-	-0.717"
Fan Discharge SP	-	0.2"
Total ESP	-	0.421"
Fan Total SP	-	0.917"

Drive Data		
	Design	Actual
Motor Sheave Size	-	VL34
Motor Bore Size	-	5/8
Motor Sheave SetPt	-	2 TURNS OUT
Fan Sheave Size	-	AK44
Fan Sheave Bore	-	0.75"
Belt CL Distance	-	8.75"
Num of Belts	-	1
Belt Size	-	A-25
Belt Alignment	-	GOOD

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: Dale Wheeler

Notes:[1] UNIT GRILLS TO NOT MATCH WHAT IS SHOWN ON GRD.

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-E3

AREA:DINING

Unit Data		
	Design	Actual
MFG	NA	TRANE
Serial Num	-	1608125981
Model Num	NA	YSC063G3ELA0000
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	NO OA
OA Filter Size 1	-	NO OA
Num Final Filter 1	-	4
Final Filter Size 1	-	18X18X2
Num Final Filter 2	-	N/L
Final Filter Size 2	-	N/L

Test Data		
	Design	Actual
SF CFM	2000	1802
SF RPM	-	DD
RA CFM	-	1802
OA CFM	-	0
RL Voltage	-	209
RL Amperage	-	4.6
SF Rotation	-	CW
RA Damper Position	-	NO RETURN
Min OA Damper Position	-	NO OA
Min OA Damper Type	-	NO OA

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	-	1.0
Motor Rpm	-	N/L
Phase	-	1
Rated Voltage	-	208
Rated Amperage	-	6.9

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.22"
Fan Suction SP	-	-0.44"
Fan Discharge SP	-	0.19"
Total ESP	-	0.41"
Fan Total SP	-	0.63"

Drive Data		
	Design	Actual
Motor Sheave Size	-	DD
Motor Bore Size	-	DD
Motor Sheave SetPt	-	DD
Fan Sheave Size	-	DD
Fan Sheave Bore	-	DD
Belt CL Distance	-	DD
Num of Belts	-	DD
Belt Size	-	DD
Belt Alignment	-	DD

General		
	Design	Actual
Fan Rotation Correct	-	YES
Unit Filters Clean	-	NO
Condensate Drain Installed	-	YES

Completed By: Dale Wheeler

Notes:[1] UNIT GRILLS TO NOT MATCH WHAT IS SHOWN ON GRD. [2] UNIT DOES NOT HAVE AN OA CANOPY/ INTAKE INSTALLED RECOMMEND ONE BE INSTALLED ON UNIT.

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU-E4

AREA:SERVING

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5621E09908
Model Num	NA	LGH060S4TU5Y
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	29X14
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2
Num Final Filter 2	-	N/L
Final Filter Size 2	-	N/L

Test Data		
	Design	Actual
SF CFM	2000	2196
SF RPM	-	847
RA CFM	-	1703
OA CFM	450	493
RL Voltage	-	209/209/208
RL Amperage	-	1.8/1.9/1.9
SF Rotation	-	CCW
RA Damper Position	-	7.0"
Min OA Damper Position	-	3 5/8
Min OA Damper Type	-	[2] SET MANUALLY

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	56
Horsepower	-	1.0
Motor Rpm	-	1745
Phase	-	3
Rated Voltage	-	208
Rated Amperage	-	3.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.48"
Fan Suction SP	-	-0.61"
Fan Discharge SP	-	0.64"
Total ESP	-	1.12"
Fan Total SP	-	1.25"

Drive Data		
	Design	Actual
Motor Sheave Size	-	3.0"
Motor Bore Size	-	0.75"
Motor Sheave SetPt	-	MINIMIZED
Fan Sheave Size	-	4.75"
Fan Sheave Bore	-	1.0"
Belt CL Distance	-	16.0"
Num of Belts	-	1
Belt Size	-	A-40
Belt Alignment	-	GOOD

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

Completed By: Dale Wheeler

Notes:[1] UNIT GRILLS DO NOT MATCH WHAT IS SHOWN ON GRD. [2] OA HAD TO BE SET MANUALLY DUE TO ECON NOT WORKING. UNIT TEMP. DISCHARGE IS 66F AT DIFFUSER

National TAB

Project:08-15 FIVE GUYS - SAVANNAH, GA



Comfort. Under control.

Diffuser Ret/Exh (GRD)

EF-A2/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WOMENS RR	J			1				
EGRD2	MENS RR	J			1				
EGRD3	MOP ROOM	J			1				

Completed By: Dan Hertenstein on

National TAB

Project:08-15 FIVE GUYS - SAVANNAH, GA



Comfort. Under control.

Diffuser Supply (GRD)

RTU-A1/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	F		400	1	369	373	373	93.3
SGRD2	DINING	F		400	1	238	243	243	60.8
SGRD3	DINING	E		275	1	137	154	154	56.0
SGRD4	DINING	E		275	1	334	351	351	127.6
SGRD5	DINING	E		275	1	319	328	328	119.3
SGRD6	DINING	E		225	1	532	549	549	244.0
SGRD7	WOMENS RR	A		50	1	52	54	54	108.0
SGRD8	MENS RR	A		100	1	47	51	51	51.0
SGRD1	OFFICE	B		200	1	158	159	163	81.5
SGRD2	PREP	C		450	1	364	364	377	83.8
SGRD3	PREP	C		450	1	454	454	468	104.0
SGRD4	PREP	C		450	1	338	338	354	78.7
SGRD5	PREP	C		450	1	416	422	439	97.6
SGRD1	DINING	E		275	1	452	491	491	178.5
SGRD2	DINING	E		275	1	493	522	522	189.8
SGRD3	DINING	E		275	1	301	327	327	118.9
SGRD4	DINING	E		275	1	694	720	720	261.8
SGRD5	DINING	F		400	1	0	0	0	0.0
SGRD6	DINING	G		400	1	0	0	0	0.0
SGRD1	DINING	G		500	1	301	368	368	73.6
SGRD2	DINING	F		400	1	412	437	437	109.3
SGRD3	DINING	E		275	1	463	494	494	179.6
SGRD4	DINING	E		275	1	479	503	503	182.9
SGRD5	DINING	E		275	1	0	0	0	0.0
SGRD6	DINING	E		275	1	0	0	0	0.0
SGRD1	COOKLINE	D		350	1	199	199	256	73.1
SGRD2	COOKLINE	D		300	1	244	244	314	104.7
SGRD3	COOKLINE	D		300	1	214	214	276	92.0
SGRD4	COOKLINE	D		300	1	269	269	347	115.7
SGRD5	COOKLINE	D		350	1	256	256	330	94.3
SGRD6	SERVICE	D		200	1	269	269	347	173.5
SGRD7	SERVICE	D		200	1	253	253	326	163.0

RTU-A1/KITCHEN / BACK OF HOUSE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	F		400	1	369	373	373	93.3
SGRD2	DINING	F		400	1	238	243	243	60.8
SGRD3	DINING	E		275	1	137	154	154	56.0
SGRD4	DINING	E		275	1	334	351	351	127.6
SGRD5	DINING	E		275	1	319	328	328	119.3
SGRD6	DINING	E		225	1	532	549	549	244.0
SGRD7	WOMENS RR	A		50	1	52	54	54	108.0
SGRD8	MENS RR	A		100	1	47	51	51	51.0
SGRD1	OFFICE	B		200	1	158	159	163	81.5
SGRD2	PREP	C		450	1	364	364	377	83.8
SGRD3	PREP	C		450	1	454	454	468	104.0
SGRD4	PREP	C		450	1	338	338	354	78.7
SGRD5	PREP	C		450	1	416	422	439	97.6
SGRD1	DINING	E		275	1	452	491	491	178.5
SGRD2	DINING	E		275	1	493	522	522	189.8
SGRD3	DINING	E		275	1	301	327	327	118.9
SGRD4	DINING	E		275	1	694	720	720	261.8
SGRD5	DINING	F		400	1	0	0	0	0.0
SGRD6	DINING	G		400	1	0	0	0	0.0
SGRD1	DINING	G		500	1	301	368	368	73.6
SGRD2	DINING	F		400	1	412	437	437	109.3
SGRD3	DINING	E		275	1	463	494	494	179.6
SGRD4	DINING	E		275	1	479	503	503	182.9
SGRD5	DINING	E		275	1	0	0	0	0.0
SGRD6	DINING	E		275	1	0	0	0	0.0
SGRD1	COOKLINE	D		350	1	199	199	256	73.1
SGRD2	COOKLINE	D		300	1	244	244	314	104.7
SGRD3	COOKLINE	D		300	1	214	214	276	92.0
SGRD4	COOKLINE	D		300	1	269	269	347	115.7
SGRD5	COOKLINE	D		350	1	256	256	330	94.3
SGRD6	SERVICE	D		200	1	269	269	347	173.5
SGRD7	SERVICE	D		200	1	253	253	326	163.0

RTU-E2/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	F		400	1	369	373	373	93.3
SGRD2	DINING	F		400	1	238	243	243	60.8
SGRD3	DINING	E		275	1	137	154	154	56.0
SGRD4	DINING	E		275	1	334	351	351	127.6
SGRD5	DINING	E		275	1	319	328	328	119.3
SGRD6	DINING	E		225	1	532	549	549	244.0
SGRD7	WOMENS RR	A		50	1	52	54	54	108.0
SGRD8	MENS RR	A		100	1	47	51	51	51.0
SGRD1	OFFICE	B		200	1	158	159	163	81.5
SGRD2	PREP	C		450	1	364	364	377	83.8
SGRD3	PREP	C		450	1	454	454	468	104.0
SGRD4	PREP	C		450	1	338	338	354	78.7
SGRD5	PREP	C		450	1	416	422	439	97.6
SGRD1	DINING	E		275	1	452	491	491	178.5
SGRD2	DINING	E		275	1	493	522	522	189.8
SGRD3	DINING	E		275	1	301	327	327	118.9
SGRD4	DINING	E		275	1	694	720	720	261.8
SGRD5	DINING	F		400	1	0	0	0	0.0
SGRD6	DINING	G		400	1	0	0	0	0.0
SGRD1	DINING	G		500	1	301	368	368	73.6
SGRD2	DINING	F		400	1	412	437	437	109.3
SGRD3	DINING	E		275	1	463	494	494	179.6
SGRD4	DINING	E		275	1	479	503	503	182.9
SGRD5	DINING	E		275	1	0	0	0	0.0
SGRD6	DINING	E		275	1	0	0	0	0.0
SGRD1	COOKLINE	D		350	1	199	199	256	73.1
SGRD2	COOKLINE	D		300	1	244	244	314	104.7
SGRD3	COOKLINE	D		300	1	214	214	276	92.0
SGRD4	COOKLINE	D		300	1	269	269	347	115.7
SGRD5	COOKLINE	D		350	1	256	256	330	94.3
SGRD6	SERVICE	D		200	1	269	269	347	173.5
SGRD7	SERVICE	D		200	1	253	253	326	163.0

RTU-E3/DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	F		400	1	369	373	373	93.3
SGRD2	DINING	F		400	1	238	243	243	60.8
SGRD3	DINING	E		275	1	137	154	154	56.0
SGRD4	DINING	E		275	1	334	351	351	127.6
SGRD5	DINING	E		275	1	319	328	328	119.3
SGRD6	DINING	E		225	1	532	549	549	244.0
SGRD7	WOMENS RR	A		50	1	52	54	54	108.0
SGRD8	MENS RR	A		100	1	47	51	51	51.0
SGRD1	OFFICE	B		200	1	158	159	163	81.5
SGRD2	PREP	C		450	1	364	364	377	83.8
SGRD3	PREP	C		450	1	454	454	468	104.0
SGRD4	PREP	C		450	1	338	338	354	78.7
SGRD5	PREP	C		450	1	416	422	439	97.6
SGRD1	DINING	E		275	1	452	491	491	178.5
SGRD2	DINING	E		275	1	493	522	522	189.8
SGRD3	DINING	E		275	1	301	327	327	118.9
SGRD4	DINING	E		275	1	694	720	720	261.8
SGRD5	DINING	F		400	1	0	0	0	0.0
SGRD6	DINING	G		400	1	0	0	0	0.0
SGRD1	DINING	G		500	1	301	368	368	73.6
SGRD2	DINING	F		400	1	412	437	437	109.3
SGRD3	DINING	E		275	1	463	494	494	179.6
SGRD4	DINING	E		275	1	479	503	503	182.9
SGRD5	DINING	E		275	1	0	0	0	0.0
SGRD6	DINING	E		275	1	0	0	0	0.0
SGRD1	COOKLINE	D		350	1	199	199	256	73.1
SGRD2	COOKLINE	D		300	1	244	244	314	104.7
SGRD3	COOKLINE	D		300	1	214	214	276	92.0
SGRD4	COOKLINE	D		300	1	269	269	347	115.7
SGRD5	COOKLINE	D		350	1	256	256	330	94.3
SGRD6	SERVICE	D		200	1	269	269	347	173.5
SGRD7	SERVICE	D		200	1	253	253	326	163.0

RTU-E4/SERVING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	DINING	F		400	1	369	373	373	93.3
SGRD2	DINING	F		400	1	238	243	243	60.8
SGRD3	DINING	E		275	1	137	154	154	56.0
SGRD4	DINING	E		275	1	334	351	351	127.6
SGRD5	DINING	E		275	1	319	328	328	119.3
SGRD6	DINING	E		225	1	532	549	549	244.0
SGRD7	WOMENS RR	A		50	1	52	54	54	108.0
SGRD8	MENS RR	A		100	1	47	51	51	51.0
SGRD1	OFFICE	B		200	1	158	159	163	81.5
SGRD2	PREP	C		450	1	364	364	377	83.8
SGRD3	PREP	C		450	1	454	454	468	104.0
SGRD4	PREP	C		450	1	338	338	354	78.7
SGRD5	PREP	C		450	1	416	422	439	97.6
SGRD1	DINING	E		275	1	452	491	491	178.5
SGRD2	DINING	E		275	1	493	522	522	189.8
SGRD3	DINING	E		275	1	301	327	327	118.9
SGRD4	DINING	E		275	1	694	720	720	261.8
SGRD5	DINING	F		400	1	0	0	0	0.0
SGRD6	DINING	G		400	1	0	0	0	0.0
SGRD1	DINING	G		500	1	301	368	368	73.6
SGRD2	DINING	F		400	1	412	437	437	109.3
SGRD3	DINING	E		275	1	463	494	494	179.6
SGRD4	DINING	E		275	1	479	503	503	182.9
SGRD5	DINING	E		275	1	0	0	0	0.0
SGRD6	DINING	E		275	1	0	0	0	0.0
SGRD1	COOKLINE	D		350	1	199	199	256	73.1
SGRD2	COOKLINE	D		300	1	244	244	314	104.7
SGRD3	COOKLINE	D		300	1	214	214	276	92.0
SGRD4	COOKLINE	D		300	1	269	269	347	115.7
SGRD5	COOKLINE	D		350	1	256	256	330	94.3
SGRD6	SERVICE	D		200	1	269	269	347	173.5
SGRD7	SERVICE	D		200	1	253	253	326	163.0

Completed By: Dan Hertenstein on

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	HRE-24	HRE-24
Serial Num	-	1386233
Type	UPBLAST	UTILITY
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	184T
Horsepower	5	5.0
Motor Rpm	-	1775
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	14.0
Service Factor	-	1.15

Drive Data		
	Design	Actual
Motor Sheave Size	-	2VP42
Motor Bore Size	-	1 1/8
Motor Sheave SetPt	-	3 TURNS OUT
Fan Sheave Size	-	5 5/8
Fan Sheave Bore	-	1 3/8
Belt CL Distance	-	10 3/8
Num of Belts	-	2
Belt Size	-	BX33

Test Data		
	Design	Actual
CFM	5300	4705
Fan RPM	1084	1059
Fan Rotation	-	CCW
Motor RPM	-	1760
RL Voltage	-	207/207/207
RL Amperage	-	8.4/8.7/8.9
Suction ESP	-	[1]
Discharge ESP	-	[1]
Total ESP	-2.0"	[1]

Completed By: Dale Wheeler

Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF-A2

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	GREENHECK	COOK
Model Num	G-085-D	90 ACEH 90C10DH
Serial Num	-	050SD76371
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	FASCO
Frame	-	N/L
Horsepower	1/20	1/25
Motor Rpm	-	1050
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.4
Service Factor	-	1.0

Test Data		
	Design	Actual
CFM	375	-
Fan RPM	-	[1]
Fan Rotation	-	[1]
Motor RPM	-	[1]
System SetPt	-	[1]
RL Voltage	-	[1]
RL Amperage	-	[1]
Total ESP	0.375"	[1]
Fan Inlet SP	-	[1]
Fan Discharge SP	-	[1]

Completed By: Dan Hertenstein

Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: FAN - Supply



Comfort. Under control.

Asset: MAU1

AREA:

Unit Data		
	Design	Actual
MFG	NA	FLO AIRE
Model Num	NA	NSA12
Serial Num	-	1105108
Type	-	MAU
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	NEMA
Frame	-	145T
Horsepower	-	2.0
Motor Rpm	-	1745
Phase	-	3
Voltage (rated)	-	208
Amperage (rated)	-	5.9
Service Factor	-	1.15

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	N/A
Flame Status (pass/fail)	-	N/A
Inlet Air Temp SetPt	-	N/A
Discharge Air Temp SetPt	-	N/A
Air Flow Switch SP Actual	-	N/A

Test Data		
	Design	Actual
CFM	-	2452
SF RPM	-	751
Motor RPM	-	1783
SF System SetPt	-	2.5 TURNS OUT
RL Voltage	-	209/209/209
RL Amperage	-	2.9/2.9/2.8
Total ESP	-	N/R
Fan Discharge SP	-	N/R

General		
	Design	Actual
Fan Rotation Correct	-	YES

Completed By: Dan Hertenstein

Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	NA	COMMERCIAL AIRE
Model Num	NA	CADEX-146.54-FP
Job / Serial Num	-	0310-7154
Type	-	TYPE 1 CANOPY
Hood length	-	144
Hood Width	-	54

Performance Data		
	Design	Actual
Smoke Generation Type	-	SMOKE EMITTER
Hood Capture %	-	100%
End Panels Installed (Y/N)	-	YES

General		
	Design	Actual
Third Party Witness	-	JADA
Third Party Company	-	5 GUYS
Tech Witness	-	DALE WHEELER

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLED
Filter Size 1	-	20X16
Filter Size 2	-	16X16
Filter Qty 1	-	5
Filter Qty 2	-	3
Filter AK factor size 1	-	2.08
Filters AK factor size 2	-	1.62
Filter Total AK Area	-	15.26
Filter1 FPM	-	185
Filter2 FPM	-	197
Filter3 FPM	-	184
Filter4 FPM	-	197
Filter5 FPM	-	210
Filter6 FPM	-	184
Filter7 FPM	-	151
Filter8 FPM	-	184
Filter9 FPM	-	N/A
Filter10 FPM	-	N/A
Filter11 FPM	-	N/A
Filter12 FPM	-	N/A
Filter Ave FPM(corr)	-	186
CFM	-	2838

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE
Item 2	-	N/A

Completed By: Dale Wheeler

Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	NA	COMMERCIAL AIRE
Model Num	NA	CADEX-94.54-FP
Job / Serial Num	-	0310-7154
Type	-	TYPE 1 CANOPY
Hood length	-	94
Hood Width	-	54

Performance Data		
	Design	Actual
Smoke Generation Type	-	SMOKE EMITTER
Hood Capture %	-	100%
End Panels Installed (Y/N)	-	YES

General		
	Design	Actual
Third Party Witness	-	JADA
Third Party Company	-	5 GUYS
Tech Witness	-	DALE WHEELER

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLED
Filter Size 1	-	16X16
Filter Size 2	-	20X16
Filter Qty 1	-	3
Filter Qty 2	-	2
Filter AK factor size 1	-	1.62
Filters AK factor size 2	-	2.08
Filter Total AK Area	-	9.02
Filter1 FPM	-	208
Filter2 FPM	-	208
Filter3 FPM	-	220
Filter4 FPM	-	203
Filter5 FPM	-	197
Filter6 FPM	-	N/R
Filter7 FPM	-	N/R
Filter8 FPM	-	N/R
Filter9 FPM	-	N/R
Filter10 FPM	-	N/R
Filter11 FPM	-	N/R
Filter12 FPM	-	N/R
Filter Ave FPM(corr)	-	207
CFM	-	1867

Cooking Equipment		
	Design	Actual
Item 1	-	FRYER
Item 2	-	FRYER

Completed By: Dale Wheeler

Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: PSP-HD1

AREA:

Unit Data		
	Design	Actual
MFG	NA	COMERCIAL AIRE
Model Num	NA	CADEX-146.54-FP
Supply Plenum Type	-	PSP
Supply Plenum Width	-	14"
Supply Plenum Length	-	144"

Test Data Supply		
	Design	Actual
AK factor	-	14.0
Kv factor (Vel)	-	0.87
Num of Readings	-	9
Reading1 FPM	-	177
Reading2 FPM	-	88
Reading3 FPM	-	134
Reading4 FPM	-	29
Reading5 FPM	-	54
Reading6 FPM	-	19
Reading7 FPM	-	119
Reading8 FPM	-	179
Reading9 FPM	-	34
Reading10 FPM	-	N/L
Reading11 FPM	-	N/L
Reading12 FPM	-	N/L
Reading13 FPM	-	N/L
Reading14 FPM	-	N/L
Ave FPM(corr)	-	137
CFM	-	1644

Completed By: Dan Hertenstein

Notes:

National TAB

Project: 08-15 FIVE GUYS - SAVANNAH, GA

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: PSP-HD2

AREA:

Unit Data		
	Design	Actual
MFG	NA	CADEX-146.54-FP
Model Num	NA	NA
Supply Plenum Type	-	PSP
Supply Plenum Width	-	14"
Supply Plenum Length	-	54"

Test Data Supply		
	Design	Actual
AK factor	-	5.25
Kv factor (Vel)	-	0.87
Num of Readings	-	6
Reading1 FPM	-	113
Reading2 FPM	-	241
Reading3 FPM	-	213
Reading4 FPM	-	147
Reading5 FPM	-	161
Reading6 FPM	-	186
Reading7 FPM	-	N/R
Reading8 FPM	-	N/R
Reading9 FPM	-	N/R
Reading10 FPM	-	N/R
Reading11 FPM	-	N/R
Reading12 FPM	-	N/R
Reading13 FPM	-	N/R
Reading14 FPM	-	N/R
Ave FPM(corr)	-	177
CFM	-	808

Completed By: Dan Hertenstein

Notes:



Comfort. Under control.

08-15 FIVE GUYS - SAVANNAH, GA

Project Issue Information

Issue Name : EF2

Description : EF2 RR FAN IS NOT RUNNING MOTOR IS SEIZED, UNABLE TO BALANCE FAN.

Created By : National TAB

Assigned To : National TAB - Dale Wheeler

Status : Open

Originated Date : 08/18/2022 - Dale Wheeler - National TAB

Project Issue File Details



SAV4.JPG



Comfort. Under control.

08-15 FIVE GUYS - SAVANNAH, GA

Project Issue Information

Issue Name : RTU-E4 ECON

Description : ECON IS NOT FUNCTIONING CORRECTLY. OUTSIDE AIR HAD TO BE SET MANUALLY

Created By : National TAB

Assigned To : National TAB - Dale Wheeler

Status : Open

Originated Date : 08/18/2022 - Dale Wheeler - National TAB

Project Issue File Details



SAV3.jpg



Comfort. Under control.

08-15 FIVE GUYS - SAVANNAH, GA

Project Issue Information

Issue Name : SPIRAL DINING ROOM DUCT INSTALLED

Description : SPIRAL DINING ROOM DUCT INSTALLED IS CAPPED OFF AND DOES NOT CONNECT TO ANY RTU. FOUR WAY DIFFUSERS WERE INSTALLED IN THE DROP CEILING. THIS IS DIFFERENT THEN WHAT IS SHOWN ON THE GRD.

Created By : National TAB

Assigned To : National TAB - Wendy Biggs

Status : Open

Originated Date : 08/18/2022 - Dale Wheeler - National TAB

Project Issue File Details



SAV2.JPG



SAV1_.jpg