

Report By:

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



Report: EVALUATION
Function: Test, Adjust, & Balance
Date: 10/31/2024
Completed By: National TAB

PROJECT
Chili's - Lady Lake, FL

1206 Avenida Central

Lady Lake, FL 32159

Client

Brinker
3000 Olympus Blvd
Coppell, TX 75019

National TAB

Project: Chili's - Lady Lake, FL

Table Of Contents

Section	Page #
AHU/RTU	3
FAN - Exhaust	6
FAN - Supply	12
Kitchen Hood Type I	13
Kitchen Hood Type II	17



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5623M05435
Model Num	NA	LGT180H4MS1Y
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23X14
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	184TZ
Horsepower	-	5.0
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	-	208-230
Rated Amperage	-	13.8-13.0
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	4.75"
Motor Bore Size	1.0"
Motor Sheave SetPt	2.5 TURNS OUT
Fan Sheave Size	9.5"
Fan Sheave Bore	1.1875"
Belt CL Distance	20.5"
Num of Belts	1
Belt Size	BX61

Test Data		
	Design	Actual
SF CFM	-	5044
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	491
RL Amperage	-	
SF Rotation	-	CCW
SF System SetPt	-	60 HZ
RA Damper Position	-	71%
Min OA Damper Position	-	29%
Min OA Damper Type	-	MOTORIZED DAMPER
OA Enthalpy Setpt	-	12

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	-	
Fan Total SP	-	
OA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: AHU/RTU



Asset: RTU2

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5620G02771
Model Num	NA	LGH180H4BS4Y
Type	-	RTU
Configuration	-	VERTICAL\
Num OA Filters 1	-	3
OA Filter Size 1	-	23X13
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	-	3.0
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	-	200-230
Rated Amperage	-	8.0-7.8
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	3.75"
Motor Bore Size	0.875"
Motor Sheave SetPt	2.5 TURNS OUT
Fan Sheave Size	6.75"
Fan Sheave Bore	1.1875"
Belt CL Distance	21.5"
Num of Belts	1
Belt Size	BX55

Test Data		
	Design	Actual
SF CFM	-	5430
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	710
RL Amperage	-	
SF Rotation	-	CCW
SF System SetPt	-	ONE SPEED
RA Damper Position	-	
Min OA Damper Position	-	25%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	12

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	-	
Fan Total SP	-	
OA Temp (db/wb)	-	82 /
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: AHU/RTU



Asset: RTU3

AREA:

Unit Data		
	Design	Actual
MFG	NA	LENNOX
Serial Num	-	5617H06093
Model Num	NA	LGH180H4BS3Y
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	23X13
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	-	3.0
Motor Rpm	-	1750
Phase	-	3
Rated Voltage	-	200-230
Rated Amperage	-	8.0-7.8
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	3.75"
Motor Bore Size	0.875"
Motor Sheave SetPt	2.5 TURNS OUT
Fan Sheave Size	6.5"
Fan Sheave Bore	1.375"
Belt CL Distance	20.5"
Num of Belts	1
Belt Size	BX55

Test Data		
	Design	Actual
SF CFM	-	4409
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	940
RL Amperage	-	
SF Rotation	-	CCW
SF System SetPt	-	ONE SPEED
RA Damper Position	-	
Min OA Damper Position	-	20%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	12

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Total ESP	-	
Fan Total SP	-	
OA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: FAN - Exhaust



Asset: EF1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NA
Type	-	UPBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	A.O. SMITH
Frame	-	56
Horsepower	-	0.75
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	208-230
Amperage (rated)	-	3.1
Service Factor	-	1.25

Drive Data	
	Actual
Motor Sheave Size	4.25
Motor Bore Size	0.625"
Motor Sheave SetPt	NA
Fan Sheave Size	4.0"
Fan Sheave Bore	0.75"
Belt CL Distance	4.75"
Num of Belts	1
Belt Size	AX20

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	CW
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

Notes:
FRYER EF

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: FAN - Exhaust



Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	NA	CAPTIVEAIRE
Model Num	NA	DU50HFA
Serial Num	-	5545687
Type	-	UPBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	HSSA
Frame	-	N/A
Horsepower	-	0.5
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	208-230
Amperage (rated)	-	2.0-2.1
Service Factor	-	1.25

Drive Data	
	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

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	1693
Fan Rotation	-	CCW
Motor RPM	-	58.9 HZ
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	ATM
Total ESP	-	

Notes:
GRILL EXHAUST LEFT

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: FAN - Exhaust



Asset: EF3

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NA
Type	-	UTILITY SET
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	145T
Horsepower	-	1.5
Motor Rpm	-	1750
Phase	-	3
Voltage (rated)	-	208-230
Amperage (rated)	-	4.6-4.4
Service Factor	-	1.15

Drive Data	
	Actual
Motor Sheave Size	5.0"
Motor Bore Size	0.875"
Motor Sheave SetPt	0 TURNS OUT
Fan Sheave Size	6.25"
Fan Sheave Bore	1.25"
Belt CL Distance	23.0"
Num of Belts	1
Belt Size	A60

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	CW
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	ATM
Total ESP	-	

Notes:
GRILL HOOD RIGHT

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: FAN - Exhaust



Asset: EF4

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NA
Type	-	UPBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	-	0.5
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	8.8
Service Factor	-	1.25

Drive Data	
	Actual
Motor Sheave Size	4.25"
Motor Bore Size	0.625"
Motor Sheave SetPt	4.0 TURNS OUT
Fan Sheave Size	4.0"
Fan Sheave Bore	0.75"
Belt CL Distance	5.25"
Num of Belts	1
Belt Size	AX20

Test Data		
	Design	Actual
CFM	-	
Fan RPM	-	
Fan Rotation	-	CW
Motor RPM	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	ATM
Total ESP	-	

Notes:
OVEN EXHAUST

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: FAN - Exhaust



Asset: EF5

AREA:

Unit Data		
	Design	Actual
MFG	N/A	N/A
Model Num	N/A	N/A
Serial Num	-	N/A
Type	-	DOWNBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	-	112
Fan RPM	-	
Fan Rotation	-	CCW
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	

Notes:

RESTROOM EXHAUST FAN

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: FAN - Exhaust



Asset: EF6

AREA:

Unit Data		
	Design	Actual
MFG	N/A	N/A
Model Num	N/A	N/A
Serial Num	-	
Type	-	
Configuration	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	-	396
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	

Notes:
GREEN UPBLAST FAN

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: FAN - Supply



Asset: MUA1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	NA
Type	-	MUA
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	-	0.75
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	208-230
Amperage (rated)	-	3.3-3.0
Service Factor	-	1.25

Drive Data	
	Actual
Motor Sheave Size	MVL44B
Motor Bore Size	0.625"
Fan Sheave Size	6.5"
Fan Sheave Bore	0.875"
Belt CL Distance	13.5"
Num of Belts	1
Belt Size	A41
Belt Alignment Verified	NOT ALLIGNED

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	-	585
SF RPM	-	
Motor RPM	-	
SF System SetPt	-	ONE SPEED
RL Voltage	-	
RL Amperage	-	3
Total ESP	-	
Fan Discharge SP	-	

General	
	Actual
Fan Rotation Correct	YES

Notes:
 AVG VEL: 141 at grille
 585 CFM AT INTAKE
 UNABLE TO LOCATE WHERE PLENUM IS IN SPACE

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	NA	HALTON
Model Num	NA	NA
Type	-	TYPE II LOW PROXIMITY
Hood length	-	
Hood Width	-	
Supply Plenum Type	-	N/A
Supply Plenum Width	-	N/A
Supply Plenum Length	-	N/A

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	19.5X13.5
Filter Qty 1	-	4
Filter AK factor size 1	-	1.67
Filter Total AK Area	-	6.68
Filter1 FPM	-	180
Filter2 FPM	-	130
Filter3 FPM	-	142
Filter4 FPM	-	192
Filter Ave FPM(corr)	-	161
CFM	-	1075

Cooking Equipment	
	Actual
Item 1	FRYER

Notes:
FRYER HOOD

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	NA	HALTON
Model Num	NA	NA
Job / Serial Num	-	NA
Type	-	TYPE II LOW PROXIMITY
Hood length	-	
Hood Width	-	

Test Data Exhaust		
	Design	Actual
Filter Type	-	K.S.A. FILTERS
Filter Size 1	-	19.5X13.5
Filter Qty 1	-	3
Filter AK factor size 1	-	1.67
Filter Total AK Area	-	5.01
Filter1 FPM	-	217
Filter2 FPM	-	218
Filter3 FPM	-	191
Filter Ave FPM(corr)	-	208
CFM	-	1042

Cooking Equipment	
	Actual
Item 1	GRILL

Test Data Supply		
	Design	Actual
Total AK Area	-	NA
Kv factor (Vel)	-	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	-	

Notes:
GRILL HOOD LEFT

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: Kitchen Hood Type I



Asset: HD3

AREA:

Unit Data		
	Design	Actual
MFG	NA	HALTON
Model Num	NA	NA
Job / Serial Num	-	NA
Type	-	TYPE II LOW PROXIMITY
Hood length	-	
Hood Width	-	

Test Data Exhaust		
	Design	Actual
Filter Type	-	KSA FILTERS
Filter Size 1	-	19.5X13.5
Filter Qty 1	-	4
Filter AK factor size 1	-	1.67
Filter Total AK Area	-	6.68
Filter1 FPM	-	147
Filter2 FPM	-	153
Filter3 FPM	-	160
Filter4 FPM	-	158
Filter Ave FPM(corr)	-	154
CFM	-	1028

Cooking Equipment	
	Actual
Item 1	ROASTER

Notes:
GRILL HOOD RIGHT

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL

System/Unit: Kitchen Hood Type I



Asset: HD4

AREA:

Unit Data		
	Design	Actual
MFG	N/A	HALTON
Model Num	N/A	N/A
Job / Serial Num	-	N/A
Type	-	N/A
Hood length	-	66
Hood Width	-	50.75

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	20X16
Filter Qty 1	-	3
Filter AK factor size 1	-	2.08
Filter Total AK Area	-	6.24
Filter1 FPM	-	94
Filter2 FPM	-	107
Filter3 FPM	-	96
Filter Ave FPM(corr)	-	99
CFM	-	617

Cooking Equipment	
	Actual
Item 1	OVEN

Notes:

OVEN HOOD
5.5" overhang

Written By: Ian Fuller on 10/31/2024



National TAB

Project: Chili's - Lady Lake, FL



System/Unit: Kitchen Hood Type II

Asset: HD(Type2)1

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	
Type	-	
Hood length	-	
Hood Width	-	

Test Data		
	Design	Actual
Exhaust CFM	-	