

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: AHU/RTU



Asset: RTU1

AREA:MAIN DINING 1/RESTROOMS

Unit Data		
	Design	Actual
MFG	YORK	TRANE
Serial Num	-	224814598L
Model Num	ZR102N18	YHC102F3RM
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	16x36x1
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3	2.75
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.3

Test Data		
	Design	Actual
SF CFM	3200	3380
SF RPM	-	1087
RA CFM	2100	2251
OA CFM	1100	1129
RL Voltage	-	210/211/210
RL Amperage	-	2.3/2.4/2.3
SF Rotation	-	CCW
RA Damper Position	-	6"
Min OA Damper Position	-	1/4"
Min OA Damper Type	-	SINGLE BLADE
OA Enthalpy Setpt	-	E

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.37"
Fan Suction SP	-	-0.61"
Fan Discharge SP	-	0.46"
Total ESP	0.80"	0.83"
Fan Total SP	-	1.07"

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

Completed By: Wesley John on 01/14/2024

Notes:
FAN SPEED SET POINT 4.9 VDC.

Written By: Wesley John on 01/14/2024

National TAB

Project:01-08-24 CHUY'S - NEW BRAUNFELS, TX

AHU/RTU



Diffuser Supply (GRD)

RTU1/MAIN DINING 1/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU1-SGRD1	WOMENS RR	C	8"	175	1.0	185	149	186	106.3
RTU1-SGRD2	RR VEST	C	8"	100	1.0	123	112	108	108.0
RTU1-SGRD3	MENS RR	C	8"	175	1.0	174	153	180	102.9
RTU1-SGRD4	DINING	A	10"	360	1.0	452	406	381	105.8
RTU1-SGRD5	DINING	A	10"	360	1.0	331	294	379	105.3
RTU1-SGRD6	DINING	A	10"	360	1.0	502	427	390	108.3
RTU1-SGRD7	DINING	A	10"	360	1.0	441	390	377	104.7
RTU1-SGRD8	DINING	A	10"	360	1.0	461	406	384	106.7
RTU1-SGRD9	DINING	A	10"	320	1.0	510	441	332	103.8
RTU1-SGRD10	DINING	D	10"	315	1.0	427	350	337	107.0
RTU1-SGRD11	DINING	A	10"	315	1.0	387	345	326	103.5
Total				3200		3993	3473	3380	105.62%

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: AHU/RTU



Asset: RTU2

AREA:BAR/BAR DINING

Unit Data		
	Design	Actual
MFG	YORK	TRANE
Serial Num	-	224814535L
Model Num	ZR102N18	YHC102F3RM
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	16x36x1
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3	2.75
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	7.3

Test Data		
	Design	Actual
SF CFM	3000	2976
SF RPM	-	1615
RA CFM	2100	2087
OA CFM	900	889
RL Voltage	-	212/212/212
RL Amperage	-	6.4/6.5/6.5
SF Rotation	-	CCW
RA Damper Position	-	6"
Min OA Damper Position	-	1/4"
Min OA Damper Type	-	SINGLE BLADE
OA Enthalpy Setpt	-	E

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.54"
Fan Suction SP	-	-0.81"
Fan Discharge SP	-	0.51"
Total ESP	0.80"	1.05"
Fan Total SP	-	1.32"

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

Completed By: Wesley John on 01/14/2024

Notes:
FAN SPEED SET POINT 7.3 VDC.

Written By: Wesley John on 01/14/2024

National TAB

Project:01-08-24 CHUY'S - NEW BRAUNFELS, TX

AHU/RTU



Diffuser Supply (GRD)

RTU2/BAR/BAR DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU2-SGRD1	DINING	B	12"	465	1.0	233	-	450	96.8
RTU2-SGRD2	DINING	B	10"	320	1.0	261	-	314	98.1
RTU2-SGRD3	DINING	B	10"	320	1.0	470	-	332	103.8
RTU2-SGRD4	DINING	B	12"	460	1.0	442	-	451	98.0
RTU2-SGRD5	DINING	B	10"	320	1.0	436	-	310	96.9
RTU2-SGRD6	DINING	B	12"	465	1.0	419	-	432	92.9
RTU2-SGRD7	DINING	B	10"	325	1.0	393	-	346	106.5
RTU2-SGRD8	DINING	B	16"	325	1.0	396	-	341	104.9
Total				3000		3050	0	2976	99.2%

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: AHU/RTU



Asset: RTU3

AREA:MAIN DINING 2/ENTRY

Unit Data		
	Design	Actual
MFG	YORK	TRANE
Serial Num	-	232612217L
Model Num	ZR078N12	YSJ090A3SAM02
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	16x36x1
Num Final Filter 1	-	2
Final Filter Size 1	-	18x24x2
Num Final Filter 2	-	3
Final Filter Size 2	-	16x24x2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	2.0	3.0
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.8

Test Data		
	Design	Actual
SF CFM	2400	2463
SF RPM	-	DIRECT DRIVE
RA CFM	1800	1839
OA CFM	600	624
RL Voltage	-	213/213/213
RL Amperage	-	1.6/1.8/1.6
SF Rotation	-	CCW
RA Damper Position	-	6"
Min OA Damper Position	-	1/8"
Min OA Damper Type	-	SINGLE BLADE
OA Enthalpy Setpt	-	E

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.40"
Fan Suction SP	-	-0.58"
Fan Discharge SP	-	0.47"
Total ESP	0.80"	0.87"
Fan Total SP	-	1.05"

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

Completed By: Wesley John on 01/14/2024

Notes:
GRILLES ADJUSTED TO MEET SCHEDULED DESIGN OF 323 CFM/TON.
FAN SPEED SET POINT 50%.

Written By: Wesley John on 01/14/2024

National TAB

Project:01-08-24 CHUY'S - NEW BRAUNFELS, TX

AHU/RTU



Diffuser Supply (GRD)

RTU3/MAIN DINING 2/ENTRY

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU3-SGRD1	VESTIBULE	C	8"	200	1.0	342	212	217	108.5
RTU3-SGRD2	ENTRY	B	12"	460	1.0	531	344	481	104.6
RTU3-SGRD3	DINING	A	12"	435	1.0	865	550	447	102.8
RTU3-SGRD4	DINING	A	12"	435	1.0	785	511	455	104.6
RTU3-SGRD5	DINING	A	12"	435	1.0	894	574	461	106.0
RTU3-SGRD6	DINING	A	12"	435	1.0	477	299	402	92.4
Total				2400		3894	2490	2463	102.63%

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: AHU/RTU



Asset: RTU4

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	YORK	TRANE
Serial Num	-	225010346D
Model Num	ZJ210N30	YHD210G3RHD
Type	RTU	RTU
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE
Num OA Filters 1	-	1
OA Filter Size 1	-	18x60x1
Num Final Filter 1	-	4
Final Filter Size 1	-	16x20x2
Num Final Filter 2	-	8
Final Filter Size 2	-	20x20x2

Test Data		
	Design	Actual
SF CFM	5800	5681
SF RPM	-	727
RA CFM	4200	4041
OA CFM	1600	1640
RL Voltage	-	211/211/211
RL Amperage	-	7.7/7.9/8.0
SF Rotation	-	CCW
RA Damper Position	-	4 1/2"
Min OA Damper Position	-	3/8"
Min OA Damper Type	-	OPPOSED BLADE
OA Enthalpy Setpt	-	E

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	-	5.0
Motor Rpm	-	3450
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	13.4

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.61"
Fan Suction SP	-	-0.89"
Fan Discharge SP	-	0.58"
Total ESP	1.00"	1.19"
Fan Total SP	-	1.47"

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VL40
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1.0 TURN OPEN
Fan Sheave Size	-	19"
Fan Sheave Bore	-	1"
Belt CL Distance	-	22"
Num of Belts	-	1
Belt Size	-	BX81
Belt Alignment	-	CORRECT

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

Completed By: Wesley John on 01/14/2024

Notes:
GRILLES 3 AND 9 NOT PRESENT. SEE ISSUES.

Written By: Wesley John on 01/14/2024

National TAB

Project:01-08-24 CHUY'S - NEW BRAUNFELS, TX

AHU/RTU



Diffuser Supply (GRD)

RTU4/KITCHEN

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU4-SGRD1	SERVICE AREA	B	10"	550	1.0	240	266	502	91.3
RTU4-SGRD2	KITCHEN	D	14"	800	1.0	459	524	733	91.6
RTU4-SGRD3	KITCHEN	D	14"						-
RTU4-SGRD4	OFFICE	A	8"	150	1.0	158	180	160	106.7
RTU4-SGRD5	KITCHEN	D	16"	950	1.0	801	869	902	94.9
RTU4-SGRD6	KITCHEN	D	14"	425	1.0	675	746	436	102.6
RTU4-SGRD7	KITCHEN	D	14"	425	1.0	636	713	411	96.7
RTU4-SGRD8	KITCHEN	D	12"	300	1.0	471	526	320	106.7
RTU4-SGRD9	KITCHEN	D	12"						-
RTU4-SGRD10	KITCHEN	D	14"	850	1.0	727	840	888	104.5
RTU4-SGRD11	KITCHEN	D	14"	700	1.0	699	781	722	103.1
RTU4-SGRD12	KITCHEN	B	14"	650	1.0	303	304	607	93.4
Total				5800		5169	5749	5681	97.95%

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Exhaust



Asset: EF1

AREA:HOOD-1

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU50HFA	DU50HFA
Serial Num	-	5726932
Type	UPBLAST/CEILING	CENTRIFUGAL
Configuration	VERTICAL	UPBLAST

Test Data		
	Design	Actual
CFM	1050	1056
Fan RPM	1542	972
Fan Rotation	-	CCW
Motor RPM	-	972
RL Voltage	-	122
RL Amperage	-	2.1
Suction ESP	-	-0.78"
Discharge ESP	-	ATM
Total ESP	1.00"	0.78"

Motor Data		
	Design	Actual
Motor MFG	-	TELCO
Frame	-	NL
Horsepower	1/2	0.50
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	6.3
Service Factor	-	NL

Completed By: Wesley John on 01/14/2024

Notes:
FAN SPEED SET POINT 54%

Written By: Wesley John on 01/09/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Exhaust



Asset: EF2

AREA:HOOD-2

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	5726932
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	UPBLAST	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TELCO
Frame	-	NL
Horsepower	3/4	0.75
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	8.9
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	1800	1860
Fan RPM	1456	1188
Fan Rotation	-	CCW
Motor RPM	-	1188
System SetPt	-	66%
RL Voltage	-	122
RL Amperage	-	6.1
Total ESP	1.20"	1.04"
Fan Inlet SP	-	-1.04"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 01/14/2024

Notes:
CONTROLLED BY EXHAUST ECM-3.

Written By: Wesley John on 01/09/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Exhaust



Asset: EF3

AREA:HOOD-3

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	5726932
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	UPBLAST	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TELCO
Frame	-	NL
Horsepower	3/4	0.75
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	8.9
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	1800	1818
Fan RPM	1456	1152
Fan Rotation	-	CCW
Motor RPM	-	1152
System SetPt	-	64%
RL Voltage	-	123
RL Amperage	-	5.2
Total ESP	1.20"	1.09"
Fan Inlet SP	-	-1.09"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 01/14/2024

Notes:
CONTROLLED BY EXHAUST ECM-2.

Written By: Wesley John on 01/09/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Exhaust



Asset: EF4

AREA:HOOD-5

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	CASRE20DD	CASRE20DD
Serial Num	-	5726932
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	UTILITY	UTILITY

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	184T
Horsepower	5	5.0
Motor Rpm	-	1750
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	15.0
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	3430	3494
Fan RPM	1350	1292
Fan Rotation	-	CCW
Motor RPM	-	1292
System SetPt	-	44.3 Hz
RL Voltage	-	119
RL Amperage	-	10.2
Total ESP	1.50"	1.37"
Fan Inlet SP	-	-1.37"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 01/14/2024

Notes:
CONTROLLED BY EXHAUST VFD-1

Written By: Wesley John on 01/10/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Exhaust



Asset: EF5

AREA:HOOD-4

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	5726932
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	UPBLAST	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	184T
Horsepower	2	2.0
Motor Rpm	-	1165
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	8.05
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	2800	2787
Fan RPM	1347	1113
Fan Rotation	-	CCW
Motor RPM	-	1113
System SetPt	-	57.3 Hz
RL Voltage	-	126
RL Amperage	-	6.0
Total ESP	1.75"	1.29"
Fan Inlet SP	-	-1.29"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 01/14/2024

Notes:
CONTROLLED BY EXHAUST VFD-2

Written By: Wesley John on 01/10/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Exhaust



Asset: EF6

AREA:DISHWASHER

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	DU30HFA	DU30HFA
Serial Num	-	5726932
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	UPBLAST	UPBLAST

Motor Data		
	Design	Actual
Motor MFG	-	HSSA
Frame	-	48Y
Horsepower	0.25	0.25
Motor Rpm	-	1625
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	3.0
Service Factor	-	1.0

Test Data		
	Design	Actual
CFM	600	572
Fan RPM	1095	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	MEDIUM HIGH
RL Voltage	-	99.4
RL Amperage	-	2.1
Total ESP	0.25"	0.38"
Fan Inlet SP	-	-0.38"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Exhaust



Asset: EF7

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	LOREN COOK	CAPTIVE-AIRE
Model Num	90C17DH (VF)	DR12HFA
Serial Num	-	5726932
Type	CENTRIFUGAL	CENTRIFUGAL
Configuration	DOWNBLAST	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	HSSA
Frame	-	42Y
Horsepower	1/8	0.17
Motor Rpm	-	1625
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	1.9
Service Factor	-	1.0

Test Data		
	Design	Actual
CFM	400	395
Fan RPM	1588	DIRECT DRIVE
Fan Rotation	-	CCW
Motor RPM	-	DIRECT DRIVE
System SetPt	-	LOW
RL Voltage	-	71.8
RL Amperage	-	1.1
Total ESP	0.50"	0.33"
Fan Inlet SP	-	-0.33"
Fan Discharge SP	-	ATM

Completed By: Wesley John on 01/14/2024

National TAB

Project:01-08-24 CHUY'S - NEW BRAUNFELS, TX

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF7/RESTROOMS

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	WOMENS	G	8"	200	1.0	222	199	199	99.5
EGRD2	MENS	G	8"	200	1.0	223	196	196	98.0
Total				400		445	395	395	98.75%

Completed By: Wesley John on 01/09/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Supply



Asset: MUA1

AREA:HOODS-2&3

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	A2-D.250-20D-MPU	A2-D.250-20D-MPU
Serial Num	-	5726932
Type	MUA	MUA
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE

Test Data		
	Design	Actual
CFM	3240	3257
SF RPM	-	1299
Motor RPM	-	1299
SF System SetPt	-	44.4 Hz
RL Voltage	-	114
RL Amperage	-	6.4
Total ESP	-	0.61"
Fan Discharge SP	-	0.61"

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	182T
Horsepower	3	3.0
Motor Rpm	3	1755
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	8.52
Service Factor	-	1.15

General		
	Design	Actual
Fan Rotation Correct	-	YES

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	NO
Flame Status (pass/fail)	-	N/A
Inlet Air Temp SetPt	55.0 F	55.0 F
Discharge Air Temp SetPt	60.0 F	60.0 F
Air Flow Switch SP Actual	-	0.33"

Completed By: Wesley John on 01/14/2024

Notes:
UNABLE TO TEST GAS HEAT DUE TO FLAME LOCKOUT ALARM. SEE ISSUES.

Written By: Wesley John on 01/10/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: FAN - Supply



Asset: MUA2

AREA:HOODS-4&5

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	A2-D.500-20D-MPU	A2-D.500-20D-MPU
Serial Num	-	5726932
Type	MUA	MUA
Configuration	VERTICAL DISCHARGE	VERTICAL DISCHARGE

Test Data		
	Design	Actual
CFM	4688	4573
SF RPM	-	1752
Motor RPM	-	1752
SF System SetPt	-	60.2 Hz
RL Voltage	-	206
RL Amperage	-	9.1
Total ESP	-	0.63"
Fan Discharge SP	-	0.63"

Motor Data		
	Design	Actual
Motor MFG	-	TECO
Frame	-	184T
Horsepower	5	5.0
Motor Rpm	-	1740
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	14.5
Service Factor	-	1.15

General		
	Design	Actual
Fan Rotation Correct	-	YES

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	NO
Flame Status (pass/fail)	-	N/A
Inlet Air Temp SetPt	55.0 F	55.0 F
Discharge Air Temp SetPt	60.0 F	60.0 F
Air Flow Switch SP Actual	-	0.39"

Completed By: Wesley John on 01/14/2024

Notes:
UNABLE TO TEST GAS HEAT DUE TO FLAME LOCKOUT ALARM. SEE ISSUES.

Written By: Wesley John on 01/10/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	4824 ND-2	4824 ND-2
Job / Serial Num	-	5376932
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	60"	60"
Hood Width	48"	48"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16x16	16x16
Filter Qty 1	4	4
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	6.48	6.48
Filter1 FPM	-	164
Filter2 FPM	-	154
Filter3 FPM	-	169
Filter4 FPM	-	168
Filter Ave FPM(corr)	-	163
CFM	1050	1056

Cooking Equipment		
	Design	Actual
Item 1	-	CONVEYOR OVEN

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:BACK COOKLINE

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	5424 ND-2-PSP-F	5424 ND-2-PSP-F
Job / Serial Num	-	5726932
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	114"	114"
Hood Width	54"	54"
Supply Plenum Type	-	PSP
Supply Plenum Width	16"	16"
Supply Plenum Length	114"	114"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16x16	16x16
Filter Qty 1	7	7
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	11.34	11.34
Filter1 FPM	-	164
Filter2 FPM	-	161
Filter3 FPM	-	166
Filter4 FPM	-	179
Filter5 FPM	-	173
Filter6 FPM	-	160
Filter7 FPM	-	147
Filter Ave FPM(corr)	-	164
CFM	1800	1860

Cooking Equipment		
	Design	Actual
Item 1	-	BRAISING PAN x2

Test Data Supply		
	Design	Actual
Total AK Area	12.67	12.67
Kv factor (Vel)	0.91	0.91
Num of Readings	-	9
Reading1 FPM	-	139
Reading2 FPM	-	141
Reading3 FPM	-	139
Reading4 FPM	-	144
Reading5 FPM	-	162
Reading6 FPM	-	159
Reading7 FPM	-	157
Reading8 FPM	-	147
Reading9 FPM	-	166
Ave FPM(corr)	-	150
CFM	1620	1729

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: Kitchen Hood Type I



Asset: HD3

AREA:BACK COOKLINE

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	5424 ND-2-PSP-F	5424 ND-2-PSP-F
Job / Serial Num	-	5726932
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	108"	108"
Hood Width	54"	54"
Supply Plenum Type	-	PSP
Supply Plenum Width	16"	16"
Supply Plenum Length	120"	120"

Test Data Supply		
	Design	Actual
Total AK Area	13.33	13.33
Kv factor (Vel)	0.91	0.91
Num of Readings	-	10
Reading1 FPM	-	141
Reading2 FPM	-	120
Reading3 FPM	-	118
Reading4 FPM	-	109
Reading5 FPM	-	117
Reading6 FPM	-	121
Reading7 FPM	-	120
Reading8 FPM	-	131
Reading9 FPM	-	126
Reading10 FPM	-	163
Ave FPM(corr)	-	126
CFM	1620	1528

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16x16	16x16
Filter Qty 1	6	6
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	9.72	9.72
Filter1 FPM	-	177
Filter2 FPM	-	190
Filter3 FPM	-	194
Filter4 FPM	-	202
Filter5 FPM	-	187
Filter6 FPM	-	177
Filter Ave FPM(corr)	-	187
CFM	1800	1818

Cooking Equipment		
	Design	Actual
Item 1	-	RANGE
Item 2	-	DOUBLE OVEN

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: Kitchen Hood Type I



Asset: HD4

AREA:FRONT COOKLINE

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	5424 ND-2-PSP-F	5424 ND-2-PSP-F
Job / Serial Num	-	5726932
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	168"	168"
Hood Width	54"	54"
Supply Plenum Type	-	PSP
Supply Plenum Width	12"	12"
Supply Plenum Length	180"	180"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	20x16	20x16
Filter Qty 1	10	10
Filter AK factor size 1	2.08	2.08
Filter Total AK Area	20.8	20.8
Filter1 FPM	-	125
Filter2 FPM	-	136
Filter3 FPM	-	142
Filter4 FPM	-	138
Filter5 FPM	-	134
Filter6 FPM	-	137
Filter7 FPM	-	136
Filter8 FPM	-	147
Filter9 FPM	-	126
Filter10 FPM	-	125
Filter Ave FPM(corr)	-	134
CFM	2800	2787

Cooking Equipment		
	Design	Actual
Item 1	-	FRYER
Item 2	-	TORTILLA COOKER
Item 3	-	GRIDDLE
Item 4	-	TORTILLA PRESS
Item 5	-	HOLDING CABINET

Test Data Supply		
	Design	Actual
Total AK Area	15.00	15.00
Kv factor (Vel)	0.87	0.87
Num of Readings	-	15
Reading1 FPM	-	184
Reading2 FPM	-	173
Reading3 FPM	-	165
Reading4 FPM	-	177
Reading5 FPM	-	169
Reading6 FPM	-	205
Reading7 FPM	-	118
Reading8 FPM	-	142
Reading9 FPM	-	122
Reading10 FPM	-	129
Reading11 FPM	-	157
Reading12 FPM	-	117
Reading13 FPM	-	104
Reading14 FPM	-	131/147
Ave FPM(corr)	-	149
CFM	1904	1944

Completed By: Wesley John on 01/14/2024

National TAB

Project: 01-08-24 CHUY'S - NEW BRAUNFELS, TX

System/Unit: Kitchen Hood Type I



Asset: HD5

AREA:FRONT COOKLINE

Unit Data		
	Design	Actual
MFG	CAPTIVE-AIRE	CAPTIVE-AIRE
Model Num	5424 ND-2-PSP-F	5424 ND-2-PSP-F
Job / Serial Num	-	57266932
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	168"	168"
Hood Width	54"	54"
Supply Plenum Type	-	PSP
Supply Plenum Width	12"	12"
Supply Plenum Length	168"	168"

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	20x16	20x16
Filter Qty 1	10	10
Filter AK factor size 1	2.08	2.08
Filter Total AK Area	20.8	20.8
Filter1 FPM	-	164
Filter2 FPM	-	176
Filter3 FPM	-	174
Filter4 FPM	-	166
Filter5 FPM	-	148
Filter6 FPM	-	155
Filter7 FPM	-	162
Filter8 FPM	-	155
Filter9 FPM	-	185
Filter10 FPM	-	200
Filter Ave FPM(corr)	-	168
CFM	3430	3494

Cooking Equipment		
	Design	Actual
Item 1	-	STEAMER
Item 2	-	FRYER
Item 3	-	GRILL
Item 4	-	GRIDDLE

Test Data Supply		
	Design	Actual
Total AK Area	14.00	14.00
Kv factor (Vel)	0.87	0.87
Num of Readings	-	14
Reading1 FPM	-	140
Reading2 FPM	-	126
Reading3 FPM	-	131
Reading4 FPM	-	120
Reading5 FPM	-	134
Reading6 FPM	-	119
Reading7 FPM	-	116
Reading8 FPM	-	121
Reading9 FPM	-	134
Reading10 FPM	-	109
Reading11 FPM	-	128
Reading12 FPM	-	156
Reading13 FPM	-	174
Reading14 FPM	-	168
Ave FPM(corr)	-	134
CFM	1784	1632

Completed By: Wesley John on 01/14/2024