Report By:

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

NATIONAL TAB

Comfort. Under control.

Report: PRELIM
Function: Test, Adjust, & Balance
Date: 04/05/2023

PROJECT

04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

760 WINFIELD DUNN PKWY

SEVIERVILLE, TN 37876

Client

RKS Ventures, Inc.
9340 E Central Ave
Suite A
Wichita, KS 67206

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

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04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

CheckList Information

Name :	BUILDING READINESS	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

GENERAL READINESS

- Open TAB_READINESS_CHECK_LIST_N_Copy.pdf

SUBSTANTIAL COMPLETION DATE?	
ANTICIPATED DATE OF TURNOVER DATE?	
ANTICIPATED GRAND OPENING DATE?	
DOES THE INSPECTOR REQUIRE A T&B REPORT TO ISSUE CoO? WHEN ARE FINALS ANTICIPATED FOR?	
IS PERMANENT POWER TURNED ON TO THE BUILDING? IF NOT, WHEN IS PERMANENT POWER ANTICIPATED TO BE TURNED ON TO THE BUILDING?	
IS THE GAS METER SET AND IS GAS TURNED ON TO THE BUILDING? IF NOT, WHEN IS PERMANENT POWER ANTICIPATED TO BE TURNED ON TO THE BUILDING?	
ALL EXTERIOR DOORS AND WINDOWS ARE INSTALLED? IF NOT, WHEN WILL EXTERIOR DOORS AND WINDOWS ANTICIPATED TO BE INSTALLED?	
IS ALL HVAC DUCTWORK COMPLETED? IF NOT, WHEN IS IT ANTICIPATED TO BE COMPLETED?	
ARE ALL DIFFUSERS INSTALLED? IF NOT, WHEN ARE THEY ANTICIPATED TO BE INSTALLED?	
ARE ALL DAMPERS INSTALLED? IF NOT, WHEN ARE THEY ANTICIPATED TO BE INSTALLED?	

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ARE RTUS INSTALLED? WIRED? IF NOT, WHEN ARE THEY ANTICIPATED TO BE INSTALLED AND WIRED? WHEN ARE STARTUPS ANTICIPATED FOR?	
ALL LAYIN CEILING TILES ARE INSTALLED? IF NOT, WHEN ARE THEY ANTICIPATING TO BE INSTALLED BY?	
WHEN WILL COOKING EQUIP ARRIVE? WHEN IS IT ANICIPATED TO BE INSTALLED BY? WHEN ARE STARTUPS ANTICIPATED FOR?	
FINAL READINESS	
Building	
DOES BUILDING HAVE ROOF HATCH OR A LADDER FOR ROOF ACCESS?	
IF HIGH GRD - WHAT HEIGHT STEP LADDER WE NEED? (10, 12, ETC)?	
HVAC Systems	
ELECTRICIAN HAS VERIFIED POWER TO ALL FANS & PROPER ROTATION? IF NOT, WHEN IS THIS ANTICIPATED TO BE COMPLETED?	
HAS MECHANICAL CONTRACTOR VERIFIED THAT ECONOMIZERS ARE FUNCTIONAL? IF NOT, WHEN IS THIS ANTICIPATED TO BE COMPLETED?	
WILL CLEAN FILTERS BE INSTALLED PRIOR FOR BALANCING?	
Hood Systems	
IS GREASE DUCT INSTALLED? IF NOT, WHEN IS THIS ANTICIPATED TO BE COMPLETED?	
ARE HOODS INSTALLED? WIRED? IF NOT, WHEN IS THIS ANTICIPATED TO BE COMPLETED? WHEN ARE STARTUPS ANTICIPATED FOR?	
ARE EFS INSTALLED? WIRED? IF NOT, WHEN IS THIS ANTICIPATED TO BE COMPLETED? WHEN ARE STARTUPS ANTICIPATED FOR?	
HAS MAU BEEN INSTALLED? WIRED? IF NOT, WHEN IS THIS ANTICIPATED TO BE COMPLETED? WHEN ARE STARTUPS ANTICIPATED FOR?	
HAS THE ANSUL FINAL BEEN COMPLETED? IF NOT, WHEN IS THE FINAL SCHEDULED FOR?	
Contact Information	

WILL THE MECHANICAL CONTRACTOR BE ON SITE AS NEEDED?	
MECHANICAL CONTRACTOR NAME, PHONE NUMBER, AND EMAIL ADDRESS:	

Notes/Comments :

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04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

CheckList Information

Name :	TECH - SITE PCITURES	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

STORE FRONT
RTU-1
RTU-2
KEF-1
KEF-2
KEF-4
EF-1
EF-2
MUA-1
HOOD-1
HOOD-2

Notes/Comments :

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04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

CheckList Information

Name :	TECH - STEP 1: INITIAL WALKTHROUGH	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?	YES
All hood filters installed and accounted for?	YES
Hoods are wired and have power?	YES
Hood is free of alarms?	YES
Thermostats have power?	YES
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	NA

Notes/Comments :

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04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

CheckList Information

Name :	TECH - STEP 2: UNIT DATA AND EVAL	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:

RTU's/AHU's

Economizers are assembled and functional?	YES
DCV Max damper opening position is set to minimum?	YES
Free cooling enthalpy set point set for lowest setting (Typically "D")	YES
Motors are all operating below the FLA rating?	YES
Are belts tight?	YES
If direct drive unit is the speed controller working.	YES
Is gas piping installed and valves turned on?	YES
Unit free of noticeable noise and vibration	YES

EF's

Rotation is correct?	YES
Belts are tight?	YES
Grease cup installed on hood fan?	YES
Hinge kit installed installed on hood fan?	YES
Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	YES

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Flex conduit is long enough so that fan can be completely tilted back?	YES
There is no major leakage around base of fan?	YES
Is the motor operating below the motor FLA rating?	YES
For restroom fan(s) is the back draft damper installed and can it fully open?	YES
Unit free of noticeable noise and vibration?	YES
MUA	
Rotation is correct?	YES
Gas piping is installed and valves are in on position?	YES
Heater tested and is functional?	YES
Internal motorized damper is fully opening?	YES
Motor is operating below the FLA rating?	YES
Unit free of noticeable noise and vibration?	YES
HOODS	
Kitchen equipment installed in proper places?	YES
Can kitchen equipment be turned on for final smoke test?	NO
DOCUMENTATION	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	

Notes/Comments :

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04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

CheckList Information

Name :	TECH - STEP 3: TEST, ADJUST AND BALANCE	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting?	YES
Is space comfortable in all areas?	YES
Is the space free of ventilation noise?	YES
If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".	NA

Notes/Comments :

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04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

CheckList Information

Name :	TECH - STEP 4: FINAL TESTS	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

FINAL TESTS	
HOOD CAPTURE TEST	
List equipment turned on for testing	GRIDDLE, FRYER
List smoke candle type used	S-102
Smoke test capture - Perimeter of hood	YES,100%
Smoke test capture - Top of cooking surface	YES, 100%
WITNESS	
Date test was completed	
TAB tech name / Firm	JOASH ALBIN
Site super name / Firm	VIDEO CAPTURE
Owner representative name / Firm (if Applicable)	VIDEO CAPTURE
Building pressure at front & back doors (All Systems On)	YES, 0.0091
ADDITIONAL	
Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)	
Thermostats are programmed?	

Notes/Comments :

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04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

CheckList Information

Name :	TECH - STEP 5: FINAL DOCUMENTATION	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

FINAL DOCUMENTATION

Marked Data capture complete for all assets?	
Picture file sent to processing team or uploaded?	
Balance schedule complete and uploaded?	
Prelim report generated and reviewed?	

Notes/Comments :

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5622G10125
Model Num	LGH180H4M	LGH180H4MSAY
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	23.25X14.25
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	**Actual**
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	5	3
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.0

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	3"
Motor Bore Size	-	0.875
Motor Sheave SetPt	-	3
Fan Sheave Size	-	9"
Fan Sheave Bore	-	1.125
Belt CL Distance	-	21"
Num of Belts	-	1
Belt Size	-	BX59
Belt Alignment	-	GOOD

Test Data		
	Design	**Actual**
SF CFM	4850	4579
SF RPM	-	612
RA CFM	3850	3501
OA CFM	1000	1078
RL Voltage	-	208/210/212
RL Amperage	-	6.4/6.6/6.5
SF Rotation	-	CCW
RA Damper Position	-	70%
Min OA Damper Position	-	30%H/35%L
Min OA Damper Type	-	ODB
OA Enthalpy Setpt	-	SET @LOW SPEED MAX OPEN

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.45"
Fan Suction SP	-	-0.58"
Fan Discharge SP	-	0.38"
Total ESP	1.0"	0.83"
Fan Total SP	-	0.96"

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

Completed By: JOASH ALBIN

Notes:

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Project:04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU1/DINING

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	ENTRY	SD7		160	1	106	121	156	97.5
SGRD2	DINING	SD1	12"	500	1.1	370	400	472	94.4
SGRD3	DINING	SD1	12"	500	1.1	448	489	475	95.0
SGRD4	DINING	SD1	12"	500	1.1	457	500	479	95.8
SGRD5	ORDERING	SD1	12"	385	1.1	423	471	370	96.1
SGRD6	DINING	SD1	12"	385	1.1	500	531	365	94.8
SGRD7	DINING	SD1	12"	385	1.1	328	367	352	91.4
SGRD8	DINING	SD1	12"	500	1.1	350	389	480	96.0
SGRD9	DINING	SD1	12"	500	1.1	319	351	476	95.2
SGRD10	DINING	SD1	12"	385	1.1	364	404	350	90.9
SGRD11	DINING	SD1	12"	500	1.1	441	465	445	89.0
SGRD12	MENS RR	SD5	6"	100	1	97	122	105	105.0
SGRD13	WOMENS RR	SD5	6"	50	1	50	60	54	108.0

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	LENNOX	LENNOX
Serial Num	-	5622L045256
Model Num	LGH092H4M	LGH092H4M
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23.25X14.25
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	US MOTORS
Frame	-	56HZ
Horsepower	3	3
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	6.0

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	3"
Motor Bore Size	-	0.875
Motor Sheave SetPt	-	.5
Fan Sheave Size	-	5"
Fan Sheave Bore	-	0.875
Belt CL Distance	-	22"
Num of Belts	-	1
Belt Size	-	AX54
Belt Alignment	-	GOOD

Test Data		
	Design	**Actual**
SF CFM	3000	3166
SF RPM	-	1177
RA CFM	2700	2838
OA CFM	300	328
RL Voltage	-	209/210/212
RL Amperage	-	5.5/5.7/5.6
SF Rotation	-	CCW
RA Damper Position	-	82%
Min OA Damper Position	-	18%
Min OA Damper Type	-	ODB
OA Enthalpy Setpt	-	25% DCV MIN SETTING

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.45
Fan Suction SP	-	-0.62
Fan Discharge SP	-	0.49"
Total ESP	1.0"	0.94"
Fan Total SP	-	1.11

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

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Notes:

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National TAB

Project:04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU2/KITCHEN

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	BOH	SD2	10"	300	1	144	255	294	98.0
SGRD2	KITCHEN	SD2	10"	300	1	91	231	278	92.7
SGRD3	BOH	SD2	10"	300	1	84	247	281	93.7
SGRD4	OFFICE	SD5	6"	100	1	206	85	105	105.0
SGRD5	KITCHEN	SD2	10"	300	1	247	249	277	92.3
SGRD6	KITCHEN	SD2	10"	300	1	244	256	289	96.3
SGRD7	KITCHEN	SD2	10"	300	1	372	251	303	101.0
SGRD8	KITCHEN	SD2	10"	300	1	266	249	290	96.7
SGRD9	CUSTOMER SERVICE	SD2	10"	300	1	267	245	287	95.7
SGRD10	HOOD 1	ASPCP	8"	505	4.5	495	435	511	101.2
SGRD11	HOOD 2	ASPCP	8"	276	2.5	362	210	251	90.9

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF1 AREA:WOMENS RR

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	GC-146	GC-146
Serial Num	-	NO ACCESS
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NO ACCESS
Frame	-	NO ACCESS
Horsepower	30.3W	NO ACCESS
Motor Rpm	-	NO ACCESS
Phase	1	NO ACCESS
Voltage (rated)	120	NO ACCESS
Amperage (rated)	-	NO ACCESS
Service Factor	-	NO ACCESS

Test Data		
	Design	**Actual**
CFM	75	75
Fan RPM	900	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	DD
RL Voltage	-	119
RL Amperage	-	NO ACCESS
Total ESP	0.25"	0.31"
Fan Inlet SP	-	-0.31"
Fan Discharge SP	-	ATM

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Notes:

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF2 AREA:MENS RR

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	GC-168	GC-168
Serial Num	-	NA
Type	CEILING	CEILING
Configuration	VERTICAL	VETICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NO ACCESS
Frame	-	NO ACCESS
Horsepower	50.4W	NO ACCESS
Motor Rpm	-	NO ACCESS
Phase	1	NO ACCESS
Voltage (rated)	120	NO ACCESS
Amperage (rated)	-	NO ACCESS
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	150	161
Fan RPM	1099	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	DD
RL Voltage	-	119
RL Amperage	-	NO ACCESS
Total ESP	0.25"	0.34"
Fan Inlet SP	-	-0.34"
Fan Discharge SP	-	ATM

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: KEF1 AREA:HD1 RANGE

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	CASRE18DD	CASRE18DD
Serial Num	-	5368353
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	WESTINGHOUSE
Frame	-	145T
Horsepower	1	1
Motor Rpm	-	1150
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	3.4
Service Factor	-	1.15

Test Data		
	Design	**Actual**
CFM	1600	1539
Fan RPM	1107	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	60.8HZ
RL Voltage	-	208/210/212
RL Amperage	-	2.8/2.9/3.1
Total ESP	1.5"	0.79"
Fan Inlet SP	-	-0.79"
Fan Discharge SP	-	ATM

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Notes:

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: KEF2 AREA:HD2 FRYERS

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU50HFA	DU50HFA
Serial Num	-	5368353
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCOGREEN
Frame	-	48EC
Horsepower	0.5	0.50
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	116	119
Amperage (rated)	-	3.7
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	775	882
Fan RPM	1532	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	73%
RL Voltage	-	119
RL Amperage	-	2.8
Total ESP	1.250"	0.65"
Fan Inlet SP	-	-0.65"
Fan Discharge SP	-	ATM

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Notes:

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: KEF3 AREA:HD3 DISH

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU33HFA	DU33HFA
Serial Num	-	5368353
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Frame	-	48EC
Horsepower	0.333	0.33
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	3.7
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	525	536
Fan RPM	1487	1208
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	84P
RL Voltage	-	119
RL Amperage	-	3.2
Total ESP	0.800"	0.33"
Fan Inlet SP	-	-0.33"
Fan Discharge SP	-	ATM

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Notes:

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: FAN - Supply

Comfort. Under control.

Asset: MUA1 AREA:COOKLINE

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	A1-D.250-15D-MPU	A1-D.250-15D-MPU
Serial Num	-	5368353
Type	MUA	MUA
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	WESTINGHOUSE
Frame	-	184T
Horsepower	3	3
Motor Rpm	-	3480
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	7.64
Service Factor	-	1.15

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	YES
Flame Status (pass/fail)	-	PASS
Inlet Air Temp SetPt	-	55
Discharge Air Temp SetPt	-	60
Air Flow Switch SP Actual	-	0.32

Test Data		
	Design	**Actual**
CFM	1980	2090
SF RPM	2245	DD
Motor RPM	-	DD
SF System SetPt	-	95%
RL Voltage	-	208/210/212
RL Amperage	-	7.0/6.5/6.8
Fan Discharge SP	-	NA

General		
	Design	**Actual**
Fan Rotation Correct	-	YES

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Notes:

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: Kitchen Hood Type I

Comfort. Under control.

Asset: HD1 AREA:RANGE

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND-2-ACPSP-F	5424 ND-2-ACPSP-F
Job / Serial Num	-	5368353
Type	TYPE I CANOPY	TYPE I
Hood length	96	96
Hood Width	54	54
Supply Plenum Type	-	ACPSP
Supply Plenum Width	14	14
Supply Plenum Length	108	108

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16X16	16X16
Filter Qty 1	5	5
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	8.1	8.1
Filter1 FPM	-	187
Filter2 FPM	-	191
Filter3 FPM	-	199
Filter4 FPM	-	188
Filter5 FPM	-	185
Filter Ave FPM(corr)	-	190
CFM	1600	1539

Cooking Equipment		
	Design	**Actual**
Item 1	-	GRIDDLE
Item 2	-	GRIDDLE
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	**Actual**
Total AK Area	10.5	10.5
Kv factor (Vel)	0.89"	0.89
Num of Readings	-	8
Reading1 FPM	-	145
Reading2 FPM	-	135
Reading3 FPM	-	152
Reading4 FPM	-	161
Reading5 FPM	-	112
Reading6 FPM	-	149
Reading7 FPM	-	144
Reading8 FPM	-	152
Ave FPM(corr)	-	128
CFM	1280	1344

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Notes:

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National TAB

Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: Kitchen Hood Type I

Comfort. Under control.

Asset: HD2 AREA:FRYERS

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND-2-ACPSP-F	5424 ND-2-ACPSP-F
Job / Serial Num	-	5368353
Type	TYPE I CANOPY	TYPE I
Hood length	60	60
Hood Width	54	54
Supply Plenum Type	-	ACPSP
Supply Plenum Width	14	14
Supply Plenum Length	60	60

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16X16	16X16
Filter Qty 1	3	3
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	4.86	4.86
Filter1 FPM	-	175
Filter2 FPM	-	189
Filter3 FPM	-	181
Filter Ave FPM(corr)	-	182
CFM	875	882

Cooking Equipment		
	Design	**Actual**
Item 1	-	FRYER
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	**Actual**
Total AK Area	5.83	5.83
Kv factor (Vel)	0.89	0.89
Num of Readings	-	6
Reading1 FPM	-	145
Reading2 FPM	-	156
Reading3 FPM	-	135
Reading4 FPM	-	139
Reading5 FPM	-	141
Reading6 FPM	-	147
Ave FPM(corr)	-	128
CFM	700	746

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Notes:

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Project: 04-03-23 FREDDY'S - SEVIERVILLE, TN (WINFIELD DUNN)

System/Unit: Kitchen Hood Type II

Comfort. Under control.

Asset: HD3 AREA:DISH

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	4224 HB-G	4224 HB-G
Serial Num	-	5368353
Type	TYPE II CANOPY	TYPE II
Hood length	42	42"
Hood Width	42	42"

Test Data		
	Design	**Actual**
Exhaust CFM	525	536

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Notes:

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