Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 09/29/2023

PROJECT

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

1307 MO-7

Blue Springs, MO 64015

Client

MPH Dinning

Project Summary

The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report is further detail about your building performance including recommendations, asset data, and pictures. Our focus is to work with the trades to remedy any issues or deficiencies during the actual field balancing and not after the balancing has occurred to achieve a positive environment and outcome. The level of success is determined by the availability of the trades, possible parts needed, or time constraints.

RTU's (Roof Top Units)
Each of the RTU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each RTU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was adjusted until the airflow was within the design requirements. Any equipment that fell outside of that tolerance is noted throughout the report.

Kitchen Exhaust Hood & Associated Fans
Each kitchen exhaust fan was measured at the hood filter bay utilizing a velocity matrix and a manufacturer's correction factor. Each filter velocity is multiplied by the manufacturer's corrected area. The sum of these readings equals the total flow of the exhaust fans. The total flow of the exhaust was then adjusted to within tolerance of the design flow.

General Exhaust Fans
The general exhaust fans were measured by reading each air device with a flow hood. The total airflow for each fan is equivalent to the sum of these readings. Fan speed was then adjusted so that the airflow was within tolerance of design. Each terminal device was balanced to within tolerance of the design volume using the installed volume dampers. Any equipment that fell outside of this tolerance is noted throughout the report.

Final Building Tests
After completing the test and balance the final building pressure was measured. It was confirmed that the building pressure fell within acceptable tolerances of -0.02" wc to +0.02" wc and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report.
The hood capture was tested at the perimeter of the hood and the cook top level with the equipment heat on to ensure satisfactory hood capture and containment.

Issue List

- EF1 mop fan does not run
- Grease spill on roof
- PRV1 loud rattle when trying to lift fan
- PRV1/PRV2 grease plug missing
- PRV3 restroom exhaust does not run
- RTU2 motor pulley seized

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

Project Issue Information

Issue Name : EF1 mop fan does not run

Description : EF1 for the mop sink was found not running. Typically there is a switch for the unit but there was no switch to be found. Recommend replacing the fan.

Created By : National TAB

Assigned To : National TAB - Jacob Davidson

Status : Open

Originated Date : 09/29/2023 - Jacob Davidson - National TAB

Project Issue File Details

Exhaustfan
09/29/2023

Unitlabel
09/29/2023

Motor(2)
09/29/2023

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

Project Issue Information

Issue Name : Grease spill on roof

Description : PRV1 grease spout was found out of the grease trap on the roof. Tech has corrected but there is significant grease leakage on the roof as a result. Recommend having it cleaned for safety.

Created By : National TAB

Assigned To : National TAB - Jacob Davidson

Status : Open

Originated Date : 09/29/2023 - Jacob Davidson - National TAB

Project Issue Response Details

- **09/29/2023 National TAB - Jacob Davidson**
  - Added pic

IMG_5055
09/29/2023

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

Project Issue Information

Issue Name : PRV1 loud rattle when trying to lift fan

Description : When trying to lift up the fan to get pressure, the fan made a very loud rattling and grinding noise. Recommend having the fan adjusted so that it can be lifted up.

Created By : National TAB

Assigned To : National TAB - Jacob Davidson

Status : Open

Originated Date : 09/29/2023 - Jacob Davidson - National TAB

Project Issue File Details

1. Open IMG_5135.MOV
   09/29/2023

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

Project Issue Information

Issue Name : PRV1/PRV2 grease plug missing

Description : Grease plug is missing from both hood exhaust fans which can allow grease to fall onto the roof. Recommend replacing the grease plugs.

Created By : National TAB

Assigned To : National TAB - Jacob Davidson

Status : Open

Originated Date : 09/29/2023 - Jacob Davidson - National TAB

Project Issue File Details

PRV1
09/29/2023

PRV2
09/29/2023

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

Project Issue Information

Issue Name : PRV3 restroom exhaust does not run

Description : PRV3 for restroom exhaust was found not running with the disconnect on. Recommend replacing the fan motor.

Created By : National TAB

Assigned To : National TAB - Jacob Davidson

Status : Open

Originated Date : 09/29/2023 - Jacob Davidson - National TAB

Project Issue Response Details

- **09/29/2023 National TAB - Jacob Davidson**
  - Added pictures

IMG_5140
09/29/2023

IMG_5068
09/29/2023

IMG_5067
09/29/2023

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

Project Issue Information

Issue Name : RTU2 motor pulley seized

Description : Motor pulley is seized and tech is unable to move the pulley in order to increase unit speed. Recommend having MC loosen the pulley to be freely adjusted.

Created By : National TAB

Assigned To : National TAB - Jacob Davidson

Status : Open

Originated Date : 09/29/2023 - Jacob Davidson - National TAB

Project Issue File Details

Pulley
09/29/2023

CheckList List

- SITE PICTURES
- TECH - STEP 1: INITIAL READINGS
- TECH - STEP 2: INITIAL WALKTHROUGH
- TECH - STEP 3: UNIT DATA AND EVAL
- TECH - STEP 4: TEST, ADJUST AND BALANCE
- TECH - STEP 5: FINAL TESTS

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

CheckList Information

Name :	SITE PICTURES	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/14/2023 - Wale Odofin - National TAB		

CheckList Item Details

STORE FRONT

Comment:

Front(1)
09/29/2023

RTU-1

Comment:

RTU1
09/29/2023

RTU-2

Comment:

RTU2(1)
09/29/2023

PRV-1

Comment:

PRV1
09/29/2023

PRV-2

Comment:

PRV2
09/29/2023

PRV-3

Comment:

PRV3
09/29/2023

PRV-4

Comment:

PRV4
09/29/2023

EF-1A

Comment:

EF1
09/29/2023

HOOD 1

Comment:

HD1
09/29/2023

HOOD 2

Comment:

HD2
09/29/2023

HOOD 3

Comment:

HD3
09/29/2023

HUMIDITY SENSOR WIRING

Comment:

RTU1
09/29/2023

RTU2(1)
09/29/2023

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

CheckList Information

Name :	TECH - STEP 1: INITIAL READINGS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	09/28/2023 - Wale Odofin - National TAB		

CheckList Item Details

INITIAL BUILDING REVIEW:

What is the initial building pressure before making any changes?

Comment:

0.0103” BACK DOOR

Are thermostats programmed? Yes

Comment:

GRIDPOINT THERMOSTAT

Are building pressure relief working properly?

Comment:

YES

INITIAL AIRFLOWS:

SUPPLY RTU-1

Comment:

6318

OA RTU-1

Comment:

2315

SUPPLY RTU-2

Comment:

5782

OA RTU-2

Comment:

1525

PRV-1

Comment:

1899

PRV-2

Comment:

2285

PRV-3

Comment:

0

PRV-4

Comment:

UTO

EF-1A

Comment:

0

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

CheckList Information

Name :	TECH - STEP 2: INITIAL WALKTHROUGH	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	09/28/2023 - Wale Odofin - National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?	N/A
Comment: NO GRD	
Perforated diffusers are installed on the cook line? (4-ways will disrupt hood capture)	Yes
Comment:	
All hood filters installed and accounted for?	Yes
Comment:	
Hoods are wired and have power?	Yes
Comment:	
Thermostats have power?	Yes
Comment:	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	
Comment: YES	

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

CheckList Information

Name :	TECH - STEP 3: UNIT DATA AND EVAL	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	09/28/2023 - Wale Odofin - 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
Comment:	
Thermostat wire run from OCP on the RTU to the Ec terminal at the thermostat? If no, jumper can be installed from R to OCP temporarily. (The economizers will not open without OCP being energized.)	Yes
Comment:	
Motors are all operating below the FLA rating?	Yes
Comment:	
Are belts tight?	Yes
Comment:	
If direct drive unit is the speed controller working.	N/A
Comment:	
Is gas piping installed and valves turned on?	Yes

Comment:

Unit free of noticeable noise and vibration	Yes

Comment:

EF's

Rotation is correct?	Yes

Comment:

Belts are tight?	Yes

Comment:

Grease cup installed on hood fan?	Yes

Comment:

Hinge kit installed installed on hood fan?	Yes

Comment:

Lean grease rated fans back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	No

Comment:

PRV1 CANNOT BE LEANED BACK DUE TO GRINDING NOISE

Flex conduit is long enough so that fan can be completely tilted back?	Yes

Comment:

There is no major leakage around base of fan?	Yes

Comment:

Is the motor operating below the motor FLA rating?	N/A

Comment:

UNABLE TO SAFELY GET AMPS

For restroom fan(s) is the back draft damper installed and can it fully open?	Yes

Comment:

Unit free of noticeable noise and vibration?	Yes

Comment:

The hood exhaust fans are installed in correct positions and are not switched?	Yes

Comment:

HOODS

Kitchen equipment installed in proper places?	Yes

Comment:

Can kitchen equipment be turned on for final smoke test?	Yes

Comment:

Second stage Grease Grabber filters are installed on the griddle hood?	Yes

Comment:

DOCUMENTATION

Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	Yes

Comment:

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

CheckList Information

Name :	TECH - STEP 4: TEST, ADJUST AND BALANCE	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	09/28/2023 - Wale Odofin - National TAB		

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting?	Yes
Comment:	
Is space comfortable in all areas?	Yes
Comment:	
Is the space free of ventilation noise?	Yes
Comment:	

If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".

Comment:

NA

09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

CheckList Information

Name :	TECH - STEP 5: FINAL TESTS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	09/28/2023 - Wale Odofin - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

ALL COOKING EQUIPMENT

List smoke candle type used

Comment:

COOKING

Smoke test capture - Perimeter of hood

Comment:

100%

Smoke test capture - Top of cooking surface

Comment:

100%

WITNESS

Date test was completed	09/29/2023

Comment:

TAB tech name / Firm

Comment:

JACOB DAVIDSON / NATIONAL TAB

Site super name / Firm

Comment:

NA

Owner representative name / Firm (if Applicable)

Comment:

KAYLIN / CULVER'S

Building pressure at front & back doors (All Systems On)

Comment:

0.0031” BACK 0.0095” FRONT

ADDITIONAL

Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)

Comment:

YES

Thermostats are programmed?	Yes

Comment:

PRODIGY SETTINGS FOR RTU'S

Parameter 65 set to 0	N/A

Comment:

Parameter 78 set to 0	N/A

Comment:

Parameter 105 set to 6	N/A

Comment:

Parameter 156 set to 70 (Dining unit only)	N/A

Comment:

Parameter 156 set to 65 (Kitchen Unit Only)	N/A

Comment:

Parameter 170 set to 75 (Dining Unit Only)	N/A

Comment:

Parameter 170 set to 70 (Kitchen Unit Only)	N/A

Comment:

Parameter 131 set to the same % as OA minimum position?	

Comment:

Parameter 117 set to the same % as OA minimum position?	N/A

Comment:

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: AHU/RTU

Asset: RTU1 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	LENNOX
Serial Num	-	5607X13362
Model Num	NA	LGC210H2BM2Y
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	3 METAL MESH
OA Filter Size 1	-	13.25X23.5
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	**Actual**
Motor MFG	-	A.O. SMITH
Frame	-	S184T
Horsepower	-	5
Motor Rpm	-	1745
Phase	-	3
Rated Voltage	-	230/460
Rated Amperage	-	12.8/6.4

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	6.5”
Motor Bore Size	-	1-1/8”
Motor Sheave SetPt	-	6 TURNS OUT
Fan Sheave Size	-	11”
Fan Sheave Bore	-	1-7/16”
Belt CL Distance	-	21”
Num of Belts	-	1
Belt Size	-	BX64
Belt Alignment	-	VERIFIED GOOD

Test Data		
	Design	**Actual**
SF CFM	-	6318
SF RPM	-	810
RA CFM	-	4416
OA CFM	-	1902
RL Voltage	-	211/211/210
RL Amperage	-	7.7/7.8/7.8
SF Rotation	-	CCW
RA Damper Position	-	71%
Min OA Damper Position	-	29%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	D

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.37"
Fan Suction SP	-	-0.61"
Fan Discharge SP	-	0.22"
Total ESP	-	0.59"
Fan Total SP	-	0.83"

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

Completed By: Jacob Davidson on 09/29/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: AHU/RTU

Asset: RTU2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	LENNOX
Serial Num	-	5607K13363
Model Num	NA	LGC210H2BM2Y
Type	-	RTU
Configuration	-	VERTICAL
Num OA Filters 1	-	3 METAL MESH
OA Filter Size 1	-	13.25X23.5
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Motor Data		
	Design	**Actual**
Motor MFG	-	A.O. SMITH
Frame	-	S184T
Horsepower	-	5
Motor Rpm	-	1745
Phase	-	3
Rated Voltage	-	230/460
Rated Amperage	-	12.8/6.4

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	6.5”
Motor Bore Size	-	1-1/8”
Motor Sheave SetPt	-	6 TURNS OUT
Fan Sheave Size	-	11”
Fan Sheave Bore	-	1-7/16”
Belt CL Distance	-	21”
Num of Belts	-	1
Belt Size	-	BX64
Belt Alignment	-	VERIFIED GOOD

Test Data		
	Design	**Actual**
SF CFM	-	5782
SF RPM	-	829
RA CFM	-	4023
OA CFM	-	1759
RL Voltage	-	212/213/214
RL Amperage	-	8.2/8.3/8.7
SF Rotation	-	CCW
RA Damper Position	-	60%
Min OA Damper Position	-	40%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	D

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.27"
Fan Suction SP	-	-0.61"
Fan Discharge SP	-	0.33"
Total ESP	-	0.60"
Fan Total SP	-	0.94"

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

Completed By: Jacob Davidson on 09/29/2023

Notes:
MOTOR PULLEY IS SEIZED UP. TECH IS UNABLE TO INCREASE SPEED ON THE UNIT.

Written By: Jacob Davidson on 09/29/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: FAN - Exhaust

Asset: EF1 AREA:MOP SINK

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SP-B80
Serial Num	-	11057492

Test Data		
	Design	**Actual**
CFM	-	0

Motor Data		
	Design	**Actual**
Motor MFG	-	FASCO
Horsepower	-	NL
Motor Rpm	-	950
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	0.6

Completed By: Jacob Davidson on 09/29/2023

Notes:
FAN DOES NOT HAVE A SWITCH AND DOES NOT RUN.

Written By: Jacob Davidson on 09/28/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: FAN - Exhaust

Asset: PRV1 AREA:GRILL HOOD

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	NA	CUBE-161XP-20-6
Serial Num	-	11057516
Type	-	UPBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	CENTURY
Frame	-	PA56HZ
Horsepower	-	2
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	460/200-230
Amperage (rated)	-	3.5/6.6-7.0
Service Factor	-	1.15

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	4"
Motor Bore Size	-	3/4"
Motor Sheave SetPt	-	0 TURNS OUT
Fan Sheave Size	-	3.25"
Fan Sheave Bore	-	1"
Belt CL Distance	-	5.5"
Num of Belts	-	1
Belt Size	-	AX20

Test Data		
	Design	**Actual**
CFM	-	1899
Fan RPM	-	2349
Fan Rotation	-	CW
Motor RPM	-	1771
RL Voltage	-	NOT SAFE
RL Amperage	-	NOT SAFE
Suction ESP	-	UTO
Discharge ESP	-	ATM
Total ESP	-	UTO

Completed By: Jacob Davidson on 09/29/2023

Notes:
FAN MAKES LOUD GRINDING NOISE WHEN LIFTING FOR PRESSURES. TECH WAS UNABLE TO GET PRESSURES AS A RESULT.

Written By: Jacob Davidson on 09/29/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: FAN - Exhaust

Asset: PRV2 AREA:FRYER HOOD

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	CUBE-161XP-15-6
Serial Num	-	11057515
Type	-	UPBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	WEG
Frame	-	D56
Horsepower	-	1.5
Motor Rpm	-	1735
Phase	-	3
Voltage (rated)	-	208-230/460
Amperage (rated)	-	5.1-4.6/2.3
Service Factor	-	1.15

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	VP60
Motor Bore Size	-	5/8"
Motor Sheave SetPt	-	2 TURNS OUT
Fan Sheave Size	-	AK34
Fan Sheave Bore	-	1"
Belt CL Distance	-	6.25"
Num of Belts	-	1
Belt Size	-	A23

Test Data		
	Design	**Actual**
CFM	-	2285
Fan RPM	-	2296
Fan Rotation	-	CW
Motor RPM	-	1761
RL Voltage	-	NOT SAFE
RL Amperage	-	NOT SAFE
Suction ESP	-	-1.04"
Discharge ESP	-	ATM
Total ESP	-	1.04"

Completed By: Jacob Davidson on 09/29/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: FAN - Exhaust

Asset: PRV3 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-090-DGEX-QD
Serial Num	-	45946841
Type	-	DOWNBLAST
Configuration	-	VERTICAL

Test Data		
	Design	**Actual**
CFM	-	0

Motor Data		
	Design	**Actual**
Motor MFG	-	MCMILLAN
Frame	-	NL
Horsepower	-	1/15
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	120
Amperage (rated)	-	1.2
Service Factor	-	1

Completed By: Jacob Davidson on 09/29/2023

Notes:
FAN DOES NOT RUN.

Written By: Jacob Davidson on 09/29/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: FAN - Exhaust

Asset: PRV4 AREA:DISH HOOD

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-131-B-X
Serial Num	-	11057518
Type	-	DOWNBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	48
Horsepower	-	1/6
Motor Rpm	-	1140
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.2
Service Factor	-	1.0

Test Data		
	Design	**Actual**
CFM	-	0
Fan RPM	-	1140
Fan Rotation	-	CW
Motor RPM	-	1140
System SetPt	-	NO SPEED CONTROL
RL Voltage	-	NOT SAFE
RL Amperage	-	NOT SAFE
Total ESP	-	0.45"
Fan Inlet SP	-	--0.45"
Fan Discharge SP	-	ATM

Completed By: Jacob Davidson on 09/29/2023

Notes:
FAN IS RUNNING. TECH IS UNABLE TO READ FAN AIRFLOW DUE TO CEILING OBSTRUCTION.

Written By: Jacob Davidson on 09/29/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:GRIDDLE

Unit Data		
	Design	**Actual**
MFG	NA	NA
Model Num	NA	NA
Job / Serial Num	-	NA
Type	-	TYPE I LOW PROXIMITY
Hood length	-	64"
Hood Width	-	26"

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	16X16
Filter Qty 1	-	4
Filter AK factor size 1	-	1.66
Filter Total AK Area	-	6.64
Filter1 FPM	-	341
Filter2 FPM	-	271
Filter3 FPM	-	267
Filter4 FPM	-	266
Filter Ave FPM(corr)	-	286
CFM	-	1899

Cooking Equipment		
	Design	**Actual**
Item 1	-	GRIDDLE

Completed By: Jacob Davidson on 09/29/2023

Notes:
HOOD LABEL CANNOT BE READ. UNABLE TO DETERMINE MODEL OR SERIAL NUMBER.

Written By: Jacob Davidson on 09/28/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: Kitchen Hood Type I

Asset: HD2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	NA
Model Num	NA	NA
Job / Serial Num	-	UTO
Type	-	TYPE I LOW PROXIMITY
Hood length	-	83"
Hood Width	-	26"

Test Data Exhaust		
	Design	**Actual**
Filter Type	-	BAFFLE
Filter Size 1	-	16X20
Filter Qty 1	-	4
Filter AK factor size 1	-	2.10
Filter Total AK Area	-	8.4
Filter1 FPM	-	264
Filter2 FPM	-	266
Filter3 FPM	-	275
Filter4 FPM	-	281
Filter Ave FPM(corr)	-	272
CFM	-	2285

Cooking Equipment		
	Design	**Actual**
Item 1	-	FRYERS

Completed By: Jacob Davidson on 09/29/2023

National TAB

Project: 09-25-23 CULVERS BLUE SPRINGS,MO REVIVE

System/Unit: Kitchen Hood Type II

Asset: HD3 AREA:DISH

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	NA	GD-3.50-S
Serial Num	-	11058650
Type	-	TYPE II CANOPY
Hood length	-	42"
Hood Width	-	42"

Test Data		
	Design	**Actual**
Exhaust CFM	-	0

Completed By: Jacob Davidson on 09/29/2023

Notes:
TECH IS UNABLE TO READ DUE TO CEILING OBSTRUCTION.

Written By: Jacob Davidson on 09/29/2023