Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 04/17/2024

PROJECT

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

7801 EASTCHASE PKWY

MONTGOMERY , AL 36117

Client

CAVA

702 H ST NW

2nd floor

Washington, DC 20001

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Table Of Contents

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) w/ Diffusers
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. . Any EF's that fell outside of this tolerance is noted throughout the report.

MUA (Make Up Air Unit) w/ PSP
Total flow for the MAU (Make-up Air Unit) unit was measured by readings taken at the discharge of the hood's perforated supply plenum. Readings taken with a velocity matrix were averaged and multiplied by a manufacturer's corrected area. Adjustments to the fan speed were made in order to bring the unit to within design tolerance. Any MUA's that fell outside of this tolerance is noted throughout the report.

General Exhaust Fans w/ Grilles
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

- Hood / Grease Cleanout Door
- Hood / HMI Screen Fault
- Hood / Protective Plastic
- Hood / Side Panel
- KEF1 / Identification Tag
- RTU1 & RTU3 / Enthalpy Sensor
- RTU1 / Missing Damper
- RTU1, RTU2, RTU3 / Construction Filters
- RTU1, RTU2, RTU3 / Economizers
- RTU2 / Enthalpy Sensor
- RTU2 / Hail Guards

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : Hood / Grease Cleanout Door

Description : Hood grease duct is not accessible due to hard ceiling unable visually see grease cleanout door installed on the grease duct. Request that the mechanical provide a picture of the grease door location and door size.

Created By :	National TAB	**Assigned To :**	National TAB - Brianna Biggs
Status :	Open		
Priority :	High	**Asset Tag :**	
Originated Date :	04/16/2024 - Dale Wheeler - National TAB		

Project Issue File Details

B5CBEA2E_9AB3_4854_B1..
04/16/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : Hood / HMI Screen Fault

Description : Hood HMI screen has a fault reading core #01 low pressure switch.

Created By : National TAB

Assigned To : National TAB - Brianna Biggs

Status : Open

Priority : Urgent

Asset Tag :

Originated Date : 04/15/2024 - Dale Wheeler - National TAB

Project Issue File Details

83BCFE20_64E7_4665_B3..
04/15/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : Hood / Protective Plastic
Description : Hoods protective plastic needs to be removed from all parts of the hood.

Created By : National TAB
Assigned To : National TAB - Brianna Biggs

Status : Open
Priority : Medium
Asset Tag :
Originated Date : 04/15/2024 - Dale Wheeler - National TAB

Project Issue File Details

image
04/15/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : Hood / Side Panel
Description : Hood side panel is not installed.

Created By : National TAB
Assigned To : National TAB - Brianna Biggs

Status : Open
Priority : Medium
Asset Tag :
Originated Date : 04/15/2024 - Dale Wheeler - National TAB

Project Issue File Details

image
04/15/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : KEF1 / Identification Tag
Description : KEF1 is missing identification tag on fan disconnect.

Created By :	National TAB	**Assigned To :**	National TAB - Brianna Biggs
Status :	Open		
Priority :	Medium	**Asset Tag :**	KEF1
Originated Date :	04/15/2024 - RJ Cervantes - National TAB		

Project Issue File Details

IMG_0242
04/15/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : RTU1 & RTU3 / Enthalpy Sensor

Description : RTU1 & RTU3 enthalpy sensor is not operational. Recommend sensor be plugged in to the correct terminal.

Created By : National TAB

Assigned To : National TAB - Brianna Biggs

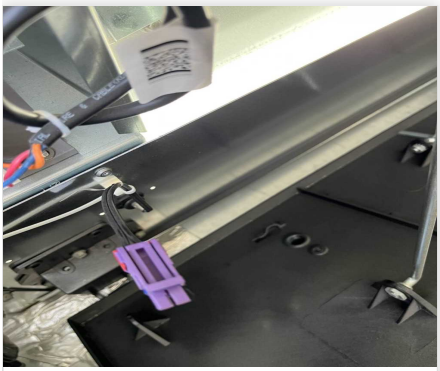
Status : Open

Priority : High

Asset Tag :

Originated Date : 04/15/2024 - Dale Wheeler - National TAB

Project Issue File Details



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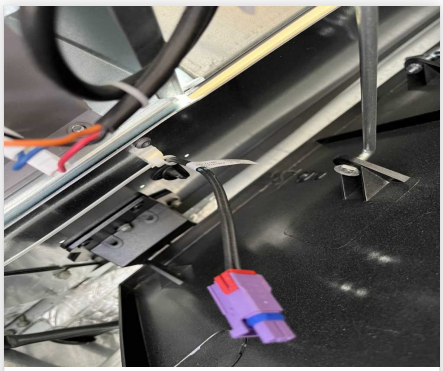
04/15/2024



647F59E1_2A3C_472D_BF..
04/15/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : RTU1 / Missing Damper

Description : RTU1 SGRD7 damper is missing, unable to balance diffuser to within design CFM. Recommend having damper installed.

Created By : National TAB

Assigned To : National TAB - David Annan

Status : Open

Priority : High

Asset Tag :

Originated Date : 04/15/2024 - David Annan - National TAB

Project Issue File Details

A396CEA6_F045_4132_8D..
04/15/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : RTU1, RTU2, RTU3 / Construction Filters

Description : RTU1, RTU2, RTU3 construction filters are installed. Merv 8 pleated filters should be installed on all units.

Created By : National TAB

Assigned To : National TAB - Brianna Biggs

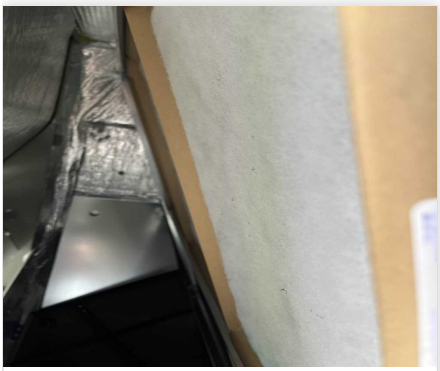
Status : Open

Priority : Medium

Asset Tag :

Originated Date : 04/15/2024 - Dale Wheeler - National TAB

Project Issue File Details



BB131DDC_EBEF_465D_88..
04/15/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : RTU1, RTU2, RTU3 / Economizers

Description : RTU1, RTU2, RTU3 economizers do not close when thermostats are placed into unoccupied mode.

Created By : National TAB

Assigned To : National TAB - Brianna Biggs

Status : Open

Priority : High

Asset Tag :

Originated Date : 04/16/2024 - Dale Wheeler - National TAB

Project Issue File Details

4A3B36BF_AE5E_44E3_88..
04/16/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : RTU2 / Enthalpy Sensor

Description : RTU2 enthalpy sensor is not installed. Recommend sensor be installed.

Created By : National TAB

Assigned To : National TAB - Brianna Biggs

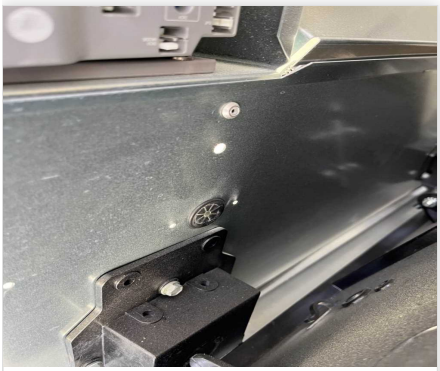
Status : Open

Priority : Urgent

Asset Tag :

Originated Date : 04/15/2024 - Dale Wheeler - National TAB

Project Issue File Details



4593485D_5D90_4131_A6..
04/15/2024

04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

Project Issue Information

Issue Name : RTU2 / Hail Guards

Description : RTU2 hail guards are not installed. Recommend having hail guards installed.

Created By : National TAB

Assigned To : National TAB - David Annan

Status : Open

Priority : Medium

Asset Tag :

Originated Date : 04/15/2024 - David Annan - National TAB

Project Issue File Details

D2BE4874_565E_416D_B4..
04/15/2024

NATIONAL TAB

AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
RTU-A1	DINING	2700	2856	1825	2062	875	794	32.4%	27.8%						
RTU-A2	MAIN KITCHEN	2000	2008	1840	1836	160	172	8.0%	8.6%						
RTU-A3	BACK KITCHEN	2600	2689	2360	2454	240	235	9.2%	8.7%						
MUA-1	COOKLINE									1720	1717				
KEF-1	HOOD 1											2150	2163		
EF-2	RESTROOM													100	82
EF-3	RESTROOM													100	81
TOTALS		7300	7553	6025	6352	1275	1201			1720	1717	2150	2163	200	163

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	2995	2918
TOTAL EXHAUST	2350	2326
NET AIRFLOW	645	592

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.0176
SIDE	-
REAR	-0.0004
AVERAGE	**0.0086**

FINAL CHECKS

ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✓

MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✓

PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✓

NOTES:

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

System/Unit: AHU/RTU

Asset: RTU1 AREA:

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	232312484L
Model Num	YSJ090	YSJ090
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num OA Filters 1	-	1
OA Filter Size 1	-	35X15
Num Final Filter 1	-	3
Final Filter Size 1	-	16X24X2
Num Final Filter 2	-	2
Final Filter Size 2	-	18X24X2

Motor Data		
	Design	**Actual**
Motor MFG	-	ebmpapst
Frame	-	N/L
Horsepower	3.1	3.0
Motor Rpm	-	N/L
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.8

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

Test Data		
	Design	**Actual**
SF CFM	2700	2856
SF RPM	-	56%
RA CFM	1825	2062
OA CFM	875	794
RL Voltage	-	208/209/209
RL Amperage	-	1.5/1.5/1.5
SF Rotation	-	CW
RA Damper Position	-	65%
Min OA Damper Position	-	35%
Min OA Damper Type	-	SBD

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.19"
Fan Suction SP	-	-0.45"
Fan Discharge SP	-	0.31"
Total ESP	0.5"	0.50"
Fan Total SP	-	0.76"

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

Completed By: David Annan on 04/12/2024

National TAB

Project:04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

AHU/RTU

Diffuser Supply (GRD)

RTU1/

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	DINING	D	10"	350	0.73	362	266	266	76.0
SGRD2	DINING	D	10"	350	0.73	214	271	271	77.4
SGRD3	DINING	D	10"	350	0.73	331	352	352	100.6
SGRD4	DINING	D	12"	400	1.4	443	422	422	105.5
SGRD5	DINING	D	12"	400	1.4	471	427	427	106.8
SGRD6	DINING	D	12"	400	1.4	429	416	416	104.0
SGRD7	DINING	D	12"	450	1.4	603	692	692	153.8
Total				2700		2853	2846	2846	105.41%

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

System/Unit: AHU/RTU

Asset: RTU2 AREA:

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	231715475L
Model Num	YHC060	YSC060G3RMB2D00000
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num OA Filters 1	-	1
OA Filter Size 1	-	27X11
Num Final Filter 1	-	2
Final Filter Size 1	-	20X35X2

Motor Data		
	Design	**Actual**
Motor MFG	-	genteq
Frame	-	N//L
Horsepower	1.0	1.0
Motor Rpm	-	N/L
Phase	3	1
Rated Voltage	208	208
Rated Amperage	-	6.9

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

Test Data		
	Design	**Actual**
SF CFM	2000	2008
SF RPM	-	Hi Speed
RA CFM	1800	1836
OA CFM	160	172
RL Voltage	-	208
RL Amperage	-	1.5
SF Rotation	-	CW
RA Damper Position	-	Marked
Min OA Damper Position	-	Marked
Min OA Damper Type	-	SBD
OA Enthalpy Setpt	-	"E"

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.22"
Fan Suction SP	-	-0.43"
Fan Discharge SP	-	0.28"
Total ESP	0.5"	0.50"
Fan Total SP	-	0.71"

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

Completed By: David Annan on 04/12/2024

National TAB

Project:04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

AHU/RTU

Diffuser Supply (GRD)

RTU2/

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	KITCHEN	B	10"X10"	400	1	362	429	429	107.3
SGRD2	KITCHEN	B	10"X10"	400	1	372	432	432	108.0
SGRD3	KITCHEN	B	10"X10"	340	1	298	348	348	102.4
SGRD4	HOOD1	ACPSP	6"	860	4.465	603	799	799	92.9
Total				2000		1635	2008	2008	100.4%

Completed By: David Annan on 04/11/2024

Asset	Notes	Date	Written By
SGRD4	Vel Readings 232 FPM 157 FPM 149 FPM 177 FPM 172 FPM 150 FPM 165 FPM 231 FPM	04/11/2024	David Annan

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

System/Unit: AHU/RTU

Asset: RTU3 AREA:

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	232013632L
Model Num	YSJ090	YSJ090
Type	RTU	RTU
Configuration	VERTICAL	Vertical
Num OA Filters 1	-	1
OA Filter Size 1	-	35X15
Num Final Filter 1	-	3
Final Filter Size 1	-	16X24X2
Num Final Filter 2	-	2
Final Filter Size 2	-	18X24X2

Motor Data		
	Design	**Actual**
Motor MFG	-	ebmpapst
Frame	-	N/L
Horsepower	3.1	3.0
Motor Rpm	-	N/L
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.8

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

Test Data		
	Design	**Actual**
SF CFM	2600	2689
SF RPM	-	61%
RA CFM	2340	2454
OA CFM	240	235
RL Voltage	-	209/209/210
RL Amperage	-	1.8/1.9/1.9
SF Rotation	-	CW
RA Damper Position	-	99%
Min OA Damper Position	-	1%
Min OA Damper Type	-	SBD

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.24"
Fan Suction SP	-	-0.50"
Fan Discharge SP	-	0.46"
Total ESP	0.5"	0.70"
Fan Total SP	-	0.96"

General		
	Design	**Actual**
Fan Rotation Correct	-	Yes
Unit Filters Clean	-	Construction Filter
Condensate Drain Installed	-	Yes

Completed By: David Annan on 04/12/2024

National TAB

Project:04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

AHU/RTU

Diffuser Supply (GRD)

RTU3/

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU3-SGRD1	KITCHEN	B	10"X10"	340	1	460	348	348	102.4
RTU3-SGRD2	KITCHEN	B	10"X10"	340	1	523	369	369	108.5
RTU3-SGRD3	KITCHEN	B	10"X10"	300	1	547	288	288	96.0
RTU3-SGRD4	KITCHEN	B	10"X10"	390	1	234	371	371	95.1
RTU3-SGRD5	BOH	A	10"	300	1	93	311	311	103.7
RTU3-SGRD6	BOH	A	10"	120	1	69	121	121	100.8
RTU3-SGRD7	BOH	A	10"	300	1	557	307	307	102.3
RTU3-SGRD8	BOH	A	10"	280	1	524	274	274	97.9
RTU3-SGRD9	HALLWAY	C	6"	50	1	76	47	47	94.0
RTU3-SGRD10	HALLWAY	C	6"	100	1	80	106	106	106.0
RTU3-SGRD11	RESTROOM	C	6"	75	1	181	77	77	102.7
RTU3-SGRD12	RESTROOM	C	6"	75	1	156	70	70	93.3
Total				2670		3500	2689	2689	100.71%

Completed By: David Annan on 04/11/2024

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

System/Unit: FAN - Exhaust

Asset: EF2 AREA:

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	GC-148	GC-148

Test Data		
	Design	**Actual**
CFM	100	82
System SetPt	-	High Speed

Motor Data		
	Design	**Actual**
Horsepower	43.7W	15W
Motor Rpm	-	1550
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.4

Completed By: David Annan on 04/12/2024

Notes:
Fan speed setting is highspeed.

Written By: David Annan on 04/12/2024

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

System/Unit: FAN - Exhaust

Asset: EF3 AREA:

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	GC-148	GC-148

Test Data		
	Design	**Actual**
CFM	100	81
System SetPt	-	High speed

Motor Data		
	Design	**Actual**
Horsepower	43.7W	15 W
Motor Rpm	1070	1550
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.4

Completed By: David Annan on 04/12/2024

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

System/Unit: FAN - Exhaust

Asset: KEF1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	6190670
Type	UPBLAST	Upblast
Configuration	VERTICAL	Vertical

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	N/L
Horsepower	1.0	1.0
Motor Rpm	-	1
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.6
Service Factor	-	N/L

Test Data		
	Design	**Actual**
CFM	2150	2163
Fan RPM	1492	1206
Fan Rotation	-	CCW
Motor RPM	-	1206
System SetPt	-	67%
RL Voltage	-	122
RL Amperage	-	2.7
Total ESP	1.0"	0.86"
Fan Inlet SP	-	-0.86"
Fan Discharge SP	-	ATM

Completed By: David Annan on 04/12/2024

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

System/Unit: FAN - Supply

Asset: MUA1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	A1-D.250-15D	A1-D.250-15D
Serial Num	-	6190670
Type	MUA	MUA
Configuration	VERTICAL	Vertical

Motor Data		
	Design	**Actual**
Motor MFG	-	Westinghouse
Frame	-	145
Horsepower	2.0	2.0
Motor Rpm	-	1745
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	6.1
Service Factor	-	1.115

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	Yes
Flame Status (pass/fail)	-	Pass
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60
Air Flow Switch SP Actual	-	0.38"

Test Data		
	Design	**Actual**
CFM	1720	1717
SF RPM	1968	1829
Motor RPM	-	1829
SF System SetPt	-	62.9
RL Voltage	-	206/206/207
RL Amperage	-	4.2
Total ESP	-	NA
Fan Discharge SP	-	NA

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

Completed By: David Annan on 04/12/2024

National TAB

Project: 04-08-24 CAVA MONTGOMERY, AL (EASTCHASE)

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:

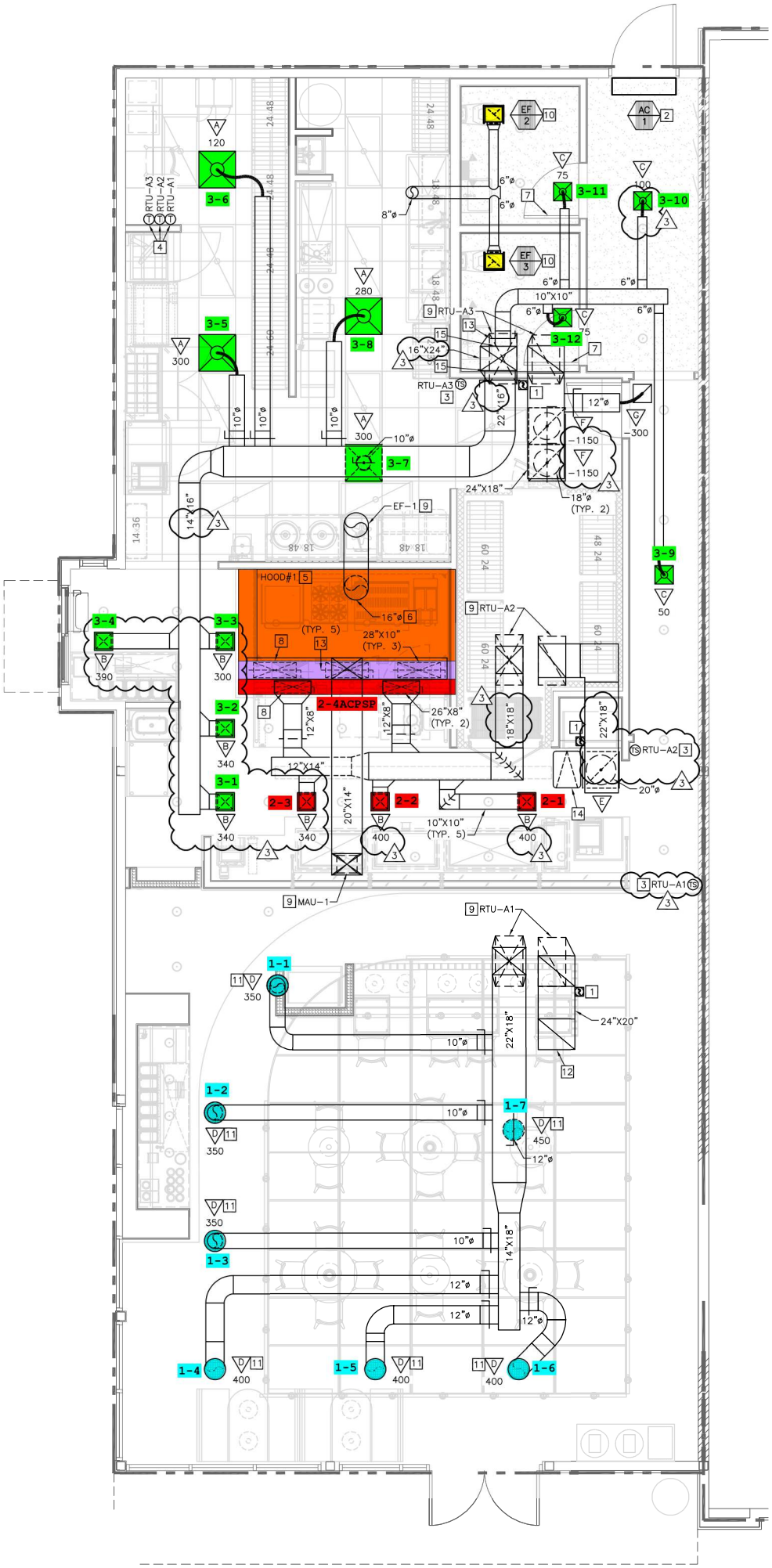
Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6030 ND-2-ACPSP-F	6030 ND-2
Job / Serial Num	-	6190670
Type	TYPE I CANOPY	Type I High Proximity
Hood length	129"	129"
Hood Width	60"	60"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	12"	12"
Supply Plenum Length	142"	141"

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO	Captrate Solo
Filter Size 1	20"X16"	16X20
Filter Qty 1	8	8
Filter AK factor size 1	2.08	2.08
Filter Total AK Area	16.64	16.64
Filter1 FPM	-	133
Filter2 FPM	-	128
Filter3 FPM	-	135
Filter4 FPM	-	127
Filter5 FPM	-	135
Filter6 FPM	-	133
Filter7 FPM	-	127
Filter8 FPM	-	123
Filter Ave FPM(corr)	-	130
CFM	2150	2163

Cooking Equipment		
	Design	**Actual**
Item 1	-	Oven
Item 2	-	Stove
Item 3	-	Grill
Item 4	-	Fryer

Test Data Supply		
	Design	**Actual**
Total AK Area	9.86	11.75
Kv factor (Vel)	0.87	0.87
Num of Readings	-	10
Reading1 FPM	-	160
Reading2 FPM	-	145
Reading3 FPM	-	162
Reading4 FPM	-	179
Reading5 FPM	-	146
Reading6 FPM	-	177
Reading7 FPM	-	198
Reading8 FPM	-	178
Reading9 FPM	-	159
Reading10 FPM	-	180
Ave FPM(corr)	-	168
CFM	1720	1717

Completed By: David Annan on 04/11/2024



01 MECHANICAL PLAN
1/4" = 1'-0"