Report By:

National TAB

Report: TAB

Function: Test, Adjust, & Balance

Date: 08/07/2025

Completed By: National TAB

PROJECT

08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

3251 20THE AVE

SAN FRANCISCO, CA 94132

Client

Kura Sushi

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

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

- KEF-4 IS NOT OPERATIONAL
- MUA NOT OPERATIONAL

08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

Project Issue Information

Issue Name :	KEF-4 IS NOT OPERATIONAL		
Description :	KEF-4 is not operational.		
Created By :	National TAB	**Assigned To :**	National TAB - Brianna Biggs
Status :	Open		
Priority :	Urgent	**Asset Tag :**	
Originated Date :	08/07/2025 - Zack Eismin - National TAB		

08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

Project Issue Information

Issue Name :	MUA NOT OPERATIONAL		
Description :	MUA is not operational. there is power to the unit but it does not energize.		
Created By :	National TAB	**Assigned To :**	National TAB - Brianna Biggs
Status :	Open		
Priority :	Urgent	**Asset Tag :**	
Originated Date :	08/07/2025 - Zack Eismin - National TAB		

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-1	DINING	2000	1987	2000	1987		0	0.0%	0.0%						
RTU-2	DINING	2000	2033	2000	2033		0	0.0%	0.0%						
WSHP-1	KITCHEN	5000	4699	4465	4170	535	529	10.7%	11.3%						
MUA-1	HOODS									3275	0				
KEF-1	HOOD 1											1050	1051		
KEF-2	HOOD 2											1450	1431		
KEF-3	HOOD 3											800	811		
KEF-4	HOOD 4											525	0		
EF-4	RESTROOM													150	144
EF-5	RESTROOM													150	147
TOTALS		9000	8719	8465	8190	535	529			3275	0	3825	3293	300	291

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	3810	529
TOTAL EXHAUST	4125	3584
NET AIRFLOW	-315	-3055

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	-0.31
SIDE	
REAR	
AVERAGE	**-0.31**

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:

CheckList List

- TECH - STEP 1: INITIAL READINGS (REVIVE CHECKLIST)
- TECH - STEP 2: INITIAL WALKTHROUGH
- TECH - STEP 3: UNIT DATA AND EVAL
- TECH - STEP 4: TEST, ADJUST AND BALANCE
- TECH - STEP 5: FINAL TESTS

08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

CheckList Information

Name :	TECH - STEP 1: INITIAL READINGS (REVIVE CHECKLIST)	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/07/2025 - Brianna Biggs - National TAB		
Completed Date :	08/07/2025 - Zack Eismin - National TAB		

CheckList Item Details

INITIAL BUILDING REVIEW:

What is the initial building pressure before making any changes?

Comment:

-0.31"

Are thermostats programmed? Yes

Comment:

Are building pressure relief working properly?

Comment:

N/A

INITIAL AIRFLOWS:

SUPPLY RTU-1

Comment:

1987

OA RTU-1

Comment:

0

SUPPLY RTU-2

Comment:

2033

OA RTU-2

Comment:

0

SUPPLY RTU-3

Comment:

4699

OA RTU-3

Comment:

529

EF-1

Comment:

1051

EF-2

Comment:

1431

EF-3

Comment:

811

EF-4

Comment:

0

MAU-1

Comment:

0

08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

CheckList Information

Name :	TECH - STEP 2: INITIAL WALKTHROUGH	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/07/2025 - Brianna Biggs - National TAB		
Completed Date :	08/07/2025 - Zack Eismin - National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?	Yes
Comment:	
All hood filters installed and accounted for?	Yes
Comment:	
Hoods are wired and have power?	Yes
Comment:	
Hood is free of alarms?	No
Comment: SUPPLYVFD FAULT	
Thermostats have power?	Yes
Comment:	

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

Comment:

YES

08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

CheckList Information

Name :	TECH - STEP 3: UNIT DATA AND EVAL	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/07/2025 - Brianna Biggs - National TAB		
Completed Date :	08/07/2025 - Zack Eismin - 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?	N/A
Comment:	
DCV Max damper opening position is set to minimum?	N/A
Comment:	
Free cooling enthalpy set point set for lowest setting (Typically "D")	N/A
Comment:	
Motors are all operating below the FLA rating?	Yes
Comment:	

Are belts tight?

Comment:

YES

If direct drive unit is the speed controller working.

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?	
Comment:	
Grease cup installed on hood fan?	Yes
Comment:	
Hinge kit installed installed on hood fan?	Yes
Comment:	
Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	Yes
Comment:	
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?	Yes
Comment:	

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:	
MUA	
Rotation is correct?	N/A
Comment: NOT OPERATIONAL	
Gas piping is installed and valves are in on position?	Yes
Comment:	
Heater tested and is functional?	No
Comment: NOT OPERATIONAL	
Internal motorized damper is fully opening?	Yes
Comment:	
Motor is operating below the FLA rating?	N/A
Comment: NOT OPERATIONAL	
Unit free of noticeable noise and vibration?	N/A
Comment: NOT OPERATIONAL	
HOODS	
Kitchen equipment installed in proper places?	Yes
Comment:	
Can kitchen equipment be turned on for final smoke test?	

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

08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

CheckList Information

Name :	TECH - STEP 4: TEST, ADJUST AND BALANCE	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/07/2025 - Brianna Biggs - National TAB		
Completed Date :	08/07/2025 - Zack Eismin - 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:

N/A

08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

CheckList Information

Name :	TECH - STEP 5: FINAL TESTS	**Status :**	Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	08/07/2025 - Brianna Biggs - National TAB		
Completed Date :	08/07/2025 - Zack Eismin - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

ALL

List smoke candle type used

Comment:

WITNESSED COOKING

Smoke test capture - Perimeter of hood

Comment:

100%

Smoke test capture - Top of cooking surface

Comment:

100%

WITNESS

Date test was completed	08/07/2025

Comment:

TAB tech name / Firm

Comment:

ZACK / NATIONAL TAB

Site super name / Firm

Comment:

N/A

Owner representative name / Firm (if Applicable)

Comment:

N/A

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

Comment:

0.31"

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:

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: AHU/RTU

Asset: RTU1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	TRANE	CARRIER
Serial Num	-	2221C8958
Model Num	WHC060	50FCQA06C2A6A4C0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	4
Final Filter Size 1	-	16X16X2
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	1	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	1.9

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
Belt Alignment	DD

Test Data		
	Design	**Actual**
SF CFM	2000	1987
SF RPM	-	1484
RA CFM	-	1987
OA CFM	-	0
RL Voltage	-	487/487/487
RL Amperage	-	0.76/0.77/0.76
SF Rotation	-	CCW
SF System SetPt	-	8.6VDC
RA Damper Position	-	100%
Min OA Damper Position	-	N/A
Min OA Damper Type	-	N/A
OA Enthalpy Setpt	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.25"
Fan Suction SP	-	-0.49"
Fan Discharge SP	-	0.33"
Total ESP	0.6"	0.58"
Fan Total SP	-	0.82"

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

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: AHU/RTU

Asset: RTU2 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	TRANE	CARRIER
Serial Num	-	2221C89857
Model Num	WHC060	50FCQA06C2A6A0A4C0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	4
Final Filter Size 1	-	16X16
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	1	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	1.9

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
Belt Alignment	DD

Test Data		
	Design	**Actual**
SF CFM	2000	2033
SF RPM	-	1509
RA CFM	-	2033
OA CFM	-	0
RL Voltage	-	487/487/487
RL Amperage	-	1.01/1.01/1.01
SF Rotation	-	CCW
SF System SetPt	-	8.9VDC
RA Damper Position	-	100%
Min OA Damper Position	-	N/A
Min OA Damper Type	-	N/A
OA Enthalpy Setpt	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.37"
Fan Suction SP	-	-0.51"
Fan Discharge SP	-	0.42"
Total ESP	0.6"	0.79"
Fan Total SP	-	0.93"

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

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: AHU/RTU

Asset: WSHP1 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	TRANE	CARRIER
Serial Num	-	2321V39821
Model Num	GEHE1504	50HQP150NCB6A1JN
Type	WSHP	WSHP
Configuration	HORIZONTAL	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	4
Final Filter Size 1	-	16X25X1
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	3
Motor Rpm	-	NA
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	4.3

Drive Data	
	Actual
Motor Sheave Size	NA
Motor Bore Size	NA
Motor Sheave SetPt	NA
Fan Sheave Size	NA
Fan Sheave Bore	NA
Belt CL Distance	NA
Num of Belts	NA
Belt Size	NA
Belt Alignment	NA

Test Data		
	Design	**Actual**
SF CFM	5000	4699
SF RPM	-	NA
RA CFM	4465	4170
OA CFM	535	529
RL Voltage	-	487/487/487
RL Amperage	-	3.7/3.7/3.7
SF Rotation	-	CCW
SF System SetPt	-	NA
RA Damper Position	-	100% OPEN
Min OA Damper Position	-	40% OPEN
Min OA Damper Type	-	MANUAL
OA Enthalpy Setpt	-	N/A

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.33"
Fan Suction SP	-	-0.69"
Fan Discharge SP	-	0.53"
Total ESP	0.8"	0.86"
Fan Total SP	-	1.12"

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	NO
Condensate Drain Installed	YES

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: FAN - Exhaust

Asset: EF4 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	LOREN COOK	GREENHECK
Model Num	GC-168	SP-A190
Serial Num	-	1842069
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	52.4W	NL
Motor Rpm	-	NL
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	NL
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	150	144
Fan RPM	1160	NA
Fan Rotation	-	CCW
Motor RPM	-	NA
System SetPt	-	SINGLE SPEED
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.125"	0.19"
Fan Inlet SP	-	ATM
Fan Discharge SP	-	0.19"

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: FAN - Exhaust

Asset: EF5 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	LOREN COOK	GREENHECK
Model Num	GC-168	SP-A190
Serial Num	-	18429070
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	52.4W	NL
Motor Rpm	-	NL
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	NL
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	150	147
Fan RPM	1160	NA
Fan Rotation	-	CCW
Motor RPM	-	NA
System SetPt	-	SINGLE SPEED
RL Voltage	-	NA
RL Amperage	-	NA
Total ESP	0.125"	0.181"
Fan Inlet SP	-	ATM
Fan Discharge SP	-	0.181"

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: FAN - Exhaust

Asset: KEF1 AREA:HOOD 1

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	4526085
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	0.75	0.75
Motor Rpm	-	1900
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	5.2
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	1050	1051
Fan RPM	1268	1330
Fan Rotation	-	CCW
Motor RPM	-	1330
System SetPt	-	70%
RL Voltage	-	210
RL Amperage	-	3.3
Total ESP	1.25"	0.98"
Fan Inlet SP	-	-0.98"
Fan Discharge SP	-	ATM

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: FAN - Exhaust

Asset: KEF2 AREA:HOOD 2

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	4526085
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	0.75	0.75
Motor Rpm	-	1900
Phase	1	1
Voltage (rated)	208	208
Amperage (rated)	-	5.2
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	1450	1431
Fan RPM	1262	1463
Fan Rotation	-	CCW
Motor RPM	-	1463
System SetPt	-	77%
RL Voltage	-	210
RL Amperage	-	3.9
Total ESP	1.0"	1.11"
Fan Inlet SP	-	-1.11"
Fan Discharge SP	-	ATM

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: FAN - Exhaust

Asset: KEF3 AREA:HOOD 3

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU33HFA	DU33HFA
Serial Num	-	4526085
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	1/3	0.333
Motor Rpm	-	2000
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	4.3
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	800	811
Fan RPM	1411	1560
Fan Rotation	-	CCW
Motor RPM	-	1560
System SetPt	-	78%
RL Voltage	-	120
RL Amperage	-	3.2
Total ESP	0.5"	0.55"
Fan Inlet SP	-	-0.55"
Fan Discharge SP	-	ATM

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: FAN - Exhaust

Asset: KEF4 AREA:HOOD 4

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU33HFA	DU33HFA
Serial Num	-	4526085
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TELCO GREEN
Frame	-	NL
Horsepower	1/3	0.333
Motor Rpm	-	2000
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	4.3
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	525	0
Fan RPM	1188	0
Fan Rotation	-	NA
Motor RPM	-	0
System SetPt	-	0
RL Voltage	-	0
RL Amperage	-	0
Total ESP	0.5"	0
Fan Inlet SP	-	0
Fan Discharge SP	-	0

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: FAN - Supply

Asset: MAU1 AREA:HOODS

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	A2-D.250-20D	A2-D.250-20D
Serial Num	-	4526085
Type	MAU	MUA
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	**Actual**
Motor MFG	-	TECO
Frame	-	145T
Horsepower	2	2
Motor Rpm	-	1740
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	5.48
Service Factor	-	1.15

Gas Heat		
	Design	**Actual**
Heater Operates (y/n)	-	NO
Flame Status (pass/fail)	-	FAIL
Inlet Air Temp SetPt	55	55
Discharge Air Temp SetPt	60	60
Air Flow Switch SP Actual	-	0

Test Data		
	Design	**Actual**
CFM	3275	0
SF RPM	1302	0
Motor RPM	-	0
SF System SetPt	-	0
RL Voltage	-	0
RL Amperage	-	0
Total ESP	-	0
Fan Discharge SP	-	0

General	
	Actual
Fan Rotation Correct	NA

Completed By: Zack Eismin on 08/07/2025

Notes:
NOT OPERATIONAL

Written By: Zack Eismin on 08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: Kitchen Hood Type I

Asset: HD1 AREA:FRYER

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	3650 BD-2 146 MISC-PSP	3650 BD-2 146 MISC-PSP
Job / Serial Num	-	4526085
Type	TYPE I LOW PROX	TYPE I CANOPY
Hood length	63"	63"
Hood Width	36"	36"
Supply Plenum Type	-	PERFORATED
Supply Plenum Width	14"	14"
Supply Plenum Length	63"	63"

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	-	203
Filter2 FPM	-	229
Filter3 FPM	-	217
Filter Ave FPM(corr)	-	216.3
CFM	1050	1051

Cooking Equipment	
	Actual
Item 1	BOILER
Item 2	STOVE TOP RANGE
Item 3	BROILER
Item 4	
Item 5	

Test Data Supply		
	Design	**Actual**
Total Area	6.125	6.125
Kv factor (Vel)	0.89	0.89
Num of Readings	-	0
Ave FPM(corr)	-	0
CFM	1050	0

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: Kitchen Hood Type I

Asset: HD2 AREA:RANGE/NOODLES

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	5424 ND-2-PSP-F	5424 ND-2-PSP-F
Job / Serial Num	-	4526085
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	87"	87"
Hood Width	54"	54"
Supply Plenum Type	-	PERFORATED
Supply Plenum Width	14"	14"
Supply Plenum Length	100"	100"

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO	CAPTRATE SOLO
Filter Size 1	16X20	16X20
Filter Qty 1	5	5
Filter AK factor size 1	2.08	2.08
Filter Total AK Area	10.4	10.4
Filter1 FPM	-	135
Filter2 FPM	-	154
Filter3 FPM	-	140
Filter4 FPM	-	137
Filter5 FPM	-	122
Filter Ave FPM(corr)	-	137.6
CFM	1450	1431

Cooking Equipment	
	Actual
Item 1	FRYERS
Item 2	
Item 3	
Item 4	
Item 5	

Test Data Supply		
	Design	**Actual**
Total Area	9.72	9.72
Kv factor (Vel)	0.89	0.89
Num of Readings	-	0
Ave FPM(corr)	-	0
CFM	1325	0

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: Kitchen Hood Type I

Asset: HD3 AREA:RICE COOKERS

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	4824 VHB-G-PSP-F	4824 VHB-G-PSP-F
Job / Serial Num	-	4526085
Type	TYPE I CANOPY	TYPE 1 CANOPY
Hood length	64"	64"
Hood Width	48"	48"
Supply Plenum Type	-	PERFORATED
Supply Plenum Width	14"	14"
Supply Plenum Length	64"	64"

Test Data Exhaust		
	Design	**Actual**
CFM	800	811

Cooking Equipment	
	Actual
Item 1	RICE COOKERS
Item 2	
Item 3	
Item 4	
Item 5	

Test Data Supply		
	Design	**Actual**
Total Area	6.22	6.22
Kv factor (Vel)	0.89	0.89
Num of Readings	-	0
Ave FPM(corr)	-	0
CFM	900	0

Completed By: Zack Eismin on 08/07/2025

Unit Data - PHOTO LOG

08/07/2025

National TAB

Project: 08-04-25 KURA SUSHI SAN FRANCISCO, CA (REVIVE)

System/Unit: Kitchen Hood Type II

Asset: HD4 AREA:DISH

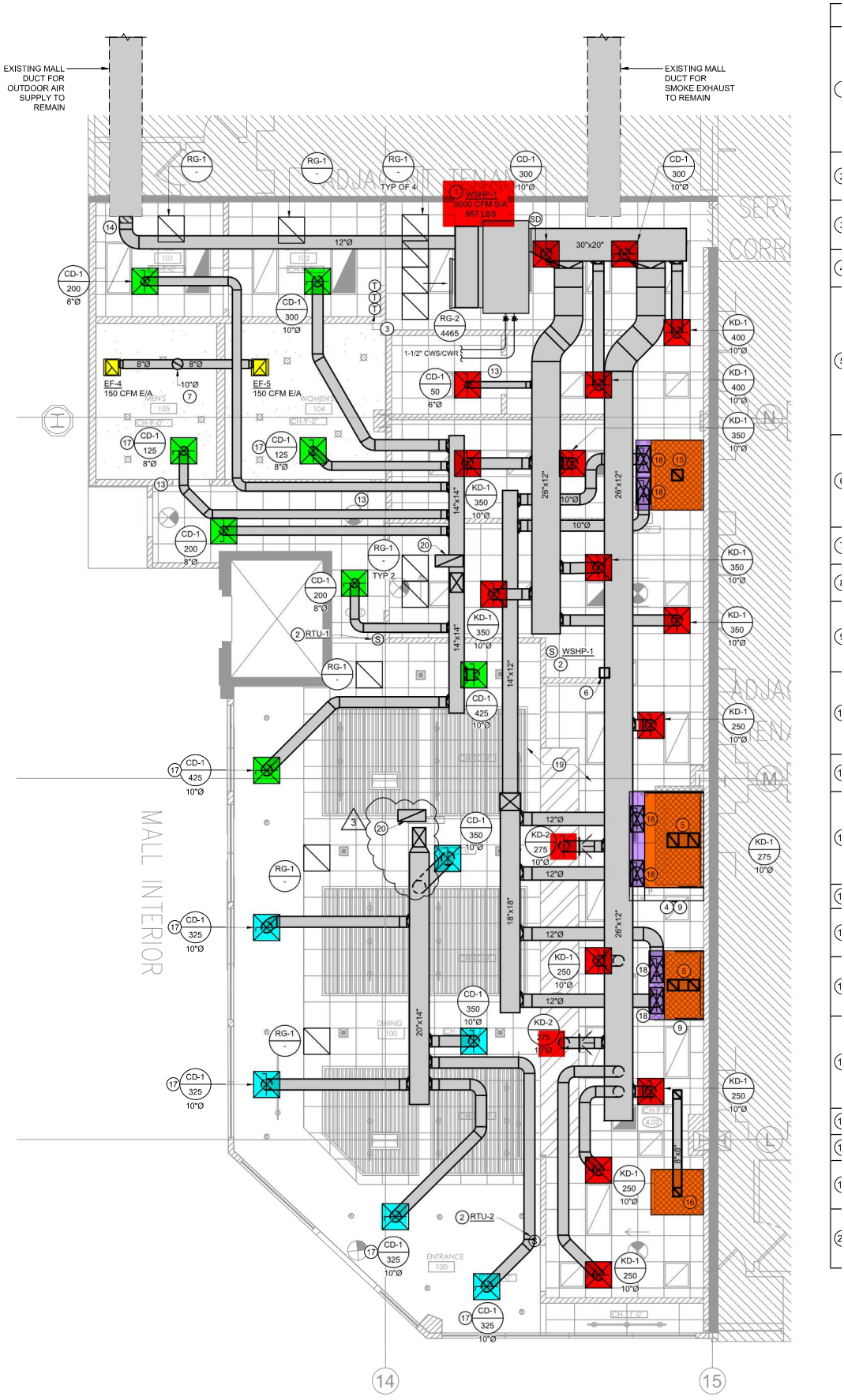
Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	4824 VHB-G	4824 VHB-G
Serial Num	-	4526085
Type	TYPE II CANOPY	TYPE II CANOPY
Hood length	42"	42"
Hood Width	48"	48"

Test Data		
	Design	**Actual**
Exhaust CFM	525	0

Completed By: Zack Eismin on 08/07/2025

Notes:
FAN NOT OPERATIONAL

Written By: Zack Eismin on 08/07/2025


EXISTING MALL DUCT FOR OUTDOOR AIR SUPPLY TO REMAIN
EXISTING MALL DUCT FOR SMOKE EXHAUST TO REMAIN
WSHP-1
5000 CFM S/A
857 LBS
RG-1
RG-2
4465
CD-1
KD-1
KD-2
RTU-1
RTU-2
EF-4
150 CFM E/A
EF-5
150 CFM E/A
1-1/2" CWS/CWR
MALL INTERIOR
ADJACENT TENANT
CORRIDOR
DINING
ENTRANCE
14
15