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**Report: TAB REPORT**  
**Function: Test, Adjust, & Balance**  
**Date: 03/07/2024**

**PROJECT**  
**03-04-24 CULVERS HUNTSVILLE, AL**

2007 Winchester Rd NE

Huntsville , AL 35811

Client

Captive-Aire Region #60

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## System/Unit: AHU/RTU



Asset: RTU1

AREA: DINING ROOM

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	
Model Num	ENLIGHT LGT	ENLIGHT LGT
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	6750	
SF RPM	-	
RA CFM	4795	
OA CFM	1955	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

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

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

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

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

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## AHU/RTU



**Diffuser Supply (GRD)**

**RTU1/DINING ROOM**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	ENTRY	SD3	8"	150	1	140		140	93.3
SGRD2	DINING	SD1	8"	150	1	151		151	100.7
SGRD3	DINING	SD1	8"	150	1	147		147	98.0
SGRD4	DINING	SD1	8"	150	1	143		143	95.3
SGRD5	DINING	SD1	8"	150	1	150		150	100.0
SGRD6	DINING	SD1	8"	150	1	142		142	94.7
SGRD7	DINING	SD1	8"	150	1	139		139	92.7
SGRD8	DINING	SD1	8"	150	1	147		147	98.0
SGRD9	DINING	SD1	8"	150	1	145		145	96.7
SGRD10	DINING	SD1	8"	150	1	136		136	90.7
SGRD11	DINING	SD1	8"	150	1	147		147	98.0
SGRD12	DINING	SD1	8"	150	1	135		135	90.0
SGRD13	DINING	SD1	8"	150	1	136		136	90.7
SGRD14	DINING	SD1	8"	150	1	138		138	92.0
SGRD15	DINING	SD1	8"8"	150	1	138		138	92.0
SGRD16	DINING	SD1	8"	150		146		146	97.3
SGRD17	DINING	SD1	8"	150		144		144	96.0
SGRD18	DINING	SD1	8"	150		135		135	90.0
SGRD19	DINING	SD1	8"	150		149		149	99.3
SGRD20	DRINKS	SD1	10"	300		281		281	93.7
SGRD21	ENTRY	SD1	8"	150		146		146	97.3
SGRD22	SUNDAE	SD1	8"	500		452		452	90.4
SGRD23	OFFICE	SD1	8"	200		181		181	90.5
SGRD24	CUST.SERV.	SD1	12"	450		381		381	84.7
SGRD25	CUST.SERV.	SD1	10"	350		304		304	86.9
SGRD26	CUST.SERV.	SD1	10"	350		317		317	90.6
SGRD27	CUST.SERV.	SD1	10"	350		322		322	92.0
SGRD28	CUST.SERV.	SD1	10"	350		319		319	91.1
SGRD29	HALL	SD1	8"	150		146		146	97.3
SGRD30	HALL	SD1	12"	450				410	91.1
SGRD31	M.RESTROOM	SD4	8"	150				141	94.0
SGRD32	W.RESTROOM	SD4	8"	150		138		138	92.0
Total				6750		5695	0	6246	92.53%

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Project: 03-04-24 CULVERS HUNTSVILLE, AL

## System/Unit: AHU/RTU



Asset: RTU2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	
Model Num	ENLIGHT LGT	ENLIGHT LGT
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	6150	
SF RPM	-	
RA CFM	4655	
OA CFM	1495	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

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

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

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

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

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Project:03-04-24 CULVERS HUNTSVILLE, AL

## AHU/RTU



**Diffuser Supply (GRD)**

**RTU2/KITCHEN**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	SUNDAE SERV.	SD1	12"	600	1	334		477	79.5
SGRD2	SUNDAE SERV.	SD1	12"	600	1	373		540	90.0
SGRD3	KITCHEN	SD5	8"	200	1	173		210	105.0
SGRD4	KITCHEN	SD5	10"	375	1	250		366	97.6
SGRD5	KITCHEN	SD5	10"	400	1	262		362	90.5
SGRD6	KITCHEN	SD5	10"	400	1	271		395	98.8
SGRD7	KITCHEN	SD5	10"	250	1	178		253	101.2
SGRD8	KITCHEN	SD5	10"	275	1	191		277	100.7
SGRD9	KITCHEN	SD5	8'	125	1	119		130	104.0
SGRD10	TOILET	SD1	6"	75	1	49		77	102.7
SGRD11	KITCHEN	SD5	10"	350	1	261		367	104.9
SGRD12	DISH WASHING	SD5	10"	350	1	249		343	98.0
SGRD13	DISH WASHING	SD5	10"	350	1	218		302	86.3
SGRD14	UTILITY RM.	SD1	12"	600	1	328		471	78.5
SGRD15	DRY GOODS	SD1	12"	600	1	268		409	68.2
SGRD16	DRY GOODS	SD1	12"	600	1	401		577	96.2
Total				6150		3925	0	5556	90.34%

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Project: 03-04-24 CULVERS HUNTSVILLE, AL

System/Unit: FAN - Exhaust



Asset: EF1

AREA:MOP ROOM

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCRB80	XCRB80
Serial Num	-	
Type	CEILING	
Configuration	VERTICAL	

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

Test Data		
	Design	Actual
CFM	75	
Fan RPM	885	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.125"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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System/Unit: FAN - Exhaust



Asset: PRV1

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRED-090-VG	XRED-090-VG
Serial Num	-	
Type	CENTRIFUGAL	
Configuration	VERTICAL	

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

Test Data		
	Design	Actual
CFM	375	
Fan RPM	1465	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.50"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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## FAN - Exhaust



Diffuser Ret/Exh (GRD)

**PRV1/RESTROOMS**

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	M RESTROOM	EG1	8X8	150					-
EGRD2	W. RESTROOM	EG1	8X8	150					-
EGRD3	TOILET	EG1	8X8	75					-
Total				375		0	0	0	0%

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System/Unit: FAN - Exhaust



Asset: PRV2

AREA:HOOD 1

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-VG
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

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

Test Data		
	Design	Actual
CFM	1500	
Fan RPM	1702	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.80"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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System/Unit: FAN - Exhaust



Asset: PRV3

AREA:HOOD 2

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-VG
Serial Num	-	
Type	UPBLAST	
Configuration	VERTICAL	

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

Test Data		
	Design	Actual
CFM	1500	
Fan RPM	1349	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.00"	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Project: 03-04-24 CULVERS HUNTSVILLE, AL

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XGEP-64-S	XGEP-64-S
Job / Serial Num	-	
Type	TYPE I	
Hood length	64"	
Hood Width	23"	

Test Data Exhaust		
	Design	Actual
Filter Type	GREASE GRABBER	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	4	4
Filter AK factor size 1	1.53	1.62
Filter Total AK Area	6.12	6.48
Filter1 FPM	-	230
Filter2 FPM	-	218
Filter3 FPM	-	264
Filter4 FPM	-	236
Filter Ave FPM(corr)	-	294
CFM	1500	1536

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE

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## System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:

### Unit Data

	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEP-83-S	XXEP-83-S
Job / Serial Num	-	
Type	TYPE I	
Hood length	83"	
Hood Width	23"	

### Test Data Exhaust

	Design	Actual
Filter Type	XTRACTOR	BAFFLE
Filter Size 1	16X16	16X16
Filter Qty 1	5	5
Filter AK factor size 1	1.53	1.62
Filter Total AK Area	7.65	8.1
Filter1 FPM	-	207
Filter2 FPM	-	189
Filter3 FPM	-	186
Filter4 FPM	-	182
Filter5 FPM	-	161
Filter Ave FPM(corr)	-	185
CFM	1500	1499

### Cooking Equipment

	Design	Actual
Item 1	-	
Item 2	-	