

Report By:

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



**Report: TECH
Function: Test, Adjust, & Balance
Date: 10/27/2022**

**PROJECT
10-24 CULVERS - PERRYSBURG, OH**

10380 FREMONT PIKE
PERRYSBURG, OH 43551

Client

Accurex
400 Ross Ave
Schofield, WI 54476

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Project: 10-24 CULVERS - PERRYSBURG, OH

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU1

AREA: DINING

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622C02456
Model Num	LGH210-H4B	LGH210-H4B
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	13X23.25"
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2

Test Data		
	Design	Actual
SF CFM	6150	6238
RA CFM	4350	4342
OA CFM	1800	1896
RL Voltage	-	212/212/212
RL Amperage	-	9.4/9.1/9.0
SF Rotation	-	CW
RA Damper Position	-	66%
Min OA Damper Position	-	34%
Min OA Damper Type	-	ECON

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	-	3.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208/230	208
Rated Amperage	-	8.0

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.34"
Fan Suction SP	-	-0.69"
Fan Discharge SP	-	0.38"
Total ESP	-	0.72"
Fan Total SP	-	1.07"

Drive Data		
	Design	Actual
Motor Sheave Size	-	MVL40
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	MINIMUM
Fan Sheave Size	-	7.25"
Fan Sheave Bore	-	1.125"
Belt CL Distance	-	20.75"
Num of Belts	-	1
Belt Size	-	BX55
Belt Alignment	-	GOOD

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

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Project:10-24 CULVERS - PERRYSBURG, OH

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	SD4	8"	150	1	183	166	159	106.0
SGRD2	DINING	SD1	8"	150	1	252	162	155	103.3
SGRD3	DINING	SD1	8"	150	1	209	171	147	98.0
SGRD4	DINING	SD1	8"	150	1	219	175	151	100.7
SGRD5	DINING	SD1	8"	150	1	192	162	158	105.3
SGRD6	DINING	SD1	8"	150	1	210	175	155	103.3
SGRD7	DINING	SD1	8"	150	1	154	177	150	100.0
SGRD8	DINING	SD1	8"	150	1	203	166	160	106.7
SGRD9	DINING	SD1	8"	150	1	211	168	147	98.0
SGRD10	DINING	SD1	8"	150	1	246	173	144	96.0
SGRD11	DINING	SD1	8"	150	1	204	175	151	100.7
SGRD12	DINING	SD1	8"	150	1	214	1	156	104.0
SGRD13	DINING	SD1	8"	150	1	194		158	105.3
SGRD14	DINING	SD1	8"	150	1	218		152	101.3
SGRD15	DINING	SD1	10"	300	1	209		289	96.3
SGRD16	ENTRY103	SD1	8"	150	1	232		154	102.7
SGRD17	DINING	SD1	10"	350	1	307		366	104.6
SGRD18	DINING	SD1	10"	350	1	243		361	103.1
SGRD19	DINING	SD1	10"	350	1	269		344	98.3
SGRD20	DINING	SD1	10"	350	1	294		342	97.7
SGRD21	RESTROOM	SD4	8"	150	1	144		155	103.3
SGRD22	RESTROOM	SD4	8"	150	1	162		162	108.0
SGRD23	DINING	SD1	12"	450	1	421		466	103.6
SGRD24	DINING	SD1	12"	450	1	478		455	101.1
SGRD25	DINING	SD1	8"	150	1	214		152	101.3
SGRD26	DINING	SD1	8"	150	1	231		151	100.7
SGRD27	SUNDAE	SD1	12"	500	1	481		489	97.8
SGRD28	OFFICE	SD1	8"	200	1	162		209	104.5

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU2

AREA:KITCHEN

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5622E01866
Model Num	LGH210-H4B	LGH210-H4B
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	3
OA Filter Size 1	-	13"X23.25"
Num Final Filter 1	-	6
Final Filter Size 1	-	24X24X2
Num Final Filter 2	-	-
Final Filter Size 2	-	-

Motor Data		
	Design	Actual
Motor MFG	-	INTERLINK
Frame	-	56HZ
Horsepower	-	3.0
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	208/230	208
Rated Amperage	-	8.0

Drive Data		
	Design	Actual
Motor Sheave Size	-	VP3.75"
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	MINIMUM
Fan Sheave Size	-	BK72
Fan Sheave Bore	-	1.125"
Belt CL Distance	-	20.5"
Num of Belts	-	1
Belt Size	-	BX55
Belt Alignment	-	GOOD

Test Data		
	Design	Actual
SF CFM	6225	6307
RA CFM	4525	4559
OA CFM	1700	1748
RL Voltage	-	212/213/212
RL Amperage	-	9.0/8.7/8.7
SF Rotation	-	CW
RA Damper Position	-	72%
Min OA Damper Position	-	28%
Min OA Damper Type	-	ECON

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.43"
Fan Suction SP	-	-0.76"
Fan Discharge SP	-	0.42"
Total ESP	-	0.85"
Fan Total SP	-	1.18"

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

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Project:10-24 CULVERS - PERRYSBURG, OH

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	KITCHEN	SD5	10"	200	1	394		212	106.0
SGRD2	KITCHEN	SD5	12"	375	1	651		385	102.7
SGRD3	KITCHEN	SD5	12"	350	1	502		367	104.9
SGRD4	KITCHEN	SD5	12"	400	1	334		424	106.0
SGRD5	KITCHEN	SD5	12"	350	1	480		343	98.0
SGRD6	KITCHEN	SD5	12"	400	1	169		378	94.5
SGRD7	KITCHEN	SD5	10"	250	1	339		256	102.4
SGRD8	KITCHEN	SD5	12"	350	1	593		381	108.9
SGRD9	KITCHEN	SD5	10"	275	1	439		273	99.3
SGRD10	KITCHEN	SD1	12"	600	1	553		633	105.5
SGRD11	KITCHEN	SD1	12"	600	1	566		641	106.8
SGRD12	KITCHEN	SD4	6"	75	1	151		79	105.3
SGRD13	UTILITY ROOM	SD1	12"	600	1	384		578	96.3
SGRD14	KITCHEN	SD1	12"	600	1	396		589	98.2
SGRD15	DRY GOODS	SD1	12"	600	1	283		556	92.7
SGRD16	DRY GOODS	SD1	10"	200	1	288		212	106.0

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1(2)

AREA:TOILET

Unit Data		
	Design	Actual
MFG	ACCUREX	NA
Model Num	XCR-B80	BPT13-14MG
Serial Num	-	156339
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	75	70
Fan RPM	885	850
Fan Rotation	-	CCW
RL Voltage	-	116
RL Amperage	-	0.14

Motor Data		
	Design	Actual
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	0.18

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EFA1

AREA:MOP ROOM

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCR-B80	XCR-B80
Serial Num	-	20260970
Type	CEILING	CEILING
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Motor Rpm	900	900
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	0.16

Test Data		
	Design	Actual
CFM	75	69
Fan RPM	885	814
Fan Rotation	-	CCW
Motor RPM	-	900
System SetPt	-	HIGH SPEED
RL Voltage	-	116
RL Amperage	-	0.14

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRED090VG	XRED090VG
Serial Num	-	20253971
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	VARIGREEN
Horsepower	0.1	0.10
Motor Rpm	1725	300-1750
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	1.38

Test Data		
	Design	Actual
CFM	300	311
Fan RPM	1465	1518
Fan Rotation	-	CCW
Motor RPM	-	300-1750
System SetPt	-	5.0
RL Voltage	-	116
RL Amperage	-	1.1
Total ESP	0.5"	0.33"
Fan Inlet SP	-	-0.33"
Fan Discharge SP	-	ATM

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Project:10-24 CULVERS - PERRYSBURG, OH

FAN - Exhaust



Comfort. Under control.

Diffuser Ret/Exh (GRD)

PRV1/RESTROOM

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	MEN'S RR	EG-1	8"	150	1	155	139	152	101.3
EGRD2	WOMEN'S RR	EG-1	8"	150	1	255	187	159	106.0

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV2

AREA:HD1 GRIDDLE

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRUB160XP-15	XRUB160XP-15
Serial Num	-	20254066
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56
Horsepower	1.5	1.15
Motor Rpm	1725	1760
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	4.2
Service Factor	-	1.25

Drive Data		
	Design	Actual
Motor Sheave Size	-	VP44
Motor Bore Size	-	0.625"
Fan Sheave Size	-	3.75"
Fan Sheave Bore	-	1"
Belt CL Distance	-	6.5"
Num of Belts	-	1
Belt Size	-	AX24

Test Data		
	Design	Actual
CFM	1500	1536
Fan RPM	2411	2468
Fan Rotation	-	CCW
Motor RPM	-	1760
RL Voltage	-	212/211/212
RL Amperage	-	2.7/2.8/2.7
Suction ESP	-	1.21"
Discharge ESP	-	ATM
Total ESP	2.337"	1.21'

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: PRV3

AREA:HD2 FRYERS

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRUB140-7	XRUB140-7
Serial Num	-	20254129
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHONG
Frame	-	56
Horsepower	0.75	0.75
Motor Rpm	1725	1760
Phase	3	3
Voltage (rated)	208	230
Amperage (rated)	-	2.30
Service Factor	-	1.25

Drive Data		
	Design	Actual
Motor Sheave Size	-	VP36
Motor Bore Size	-	0.625"
Motor Sheave SetPt	-	5 TURNS OPEN
Fan Sheave Size	-	AK41
Fan Sheave Bore	-	0.75
Belt CL Distance	-	5"
Num of Belts	-	1
Belt Size	-	A23

Test Data		
	Design	Actual
CFM	1500	1614
Fan RPM	1377	1481
Fan Rotation	-	CCW
Motor RPM	-	1760
RL Voltage	-	211/212/212
RL Amperage	-	1.7/1.8/1.7
Suction ESP	-	-0.78"
Discharge ESP	-	ATM
Total ESP	1"	0.78"

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD1

AREA:GRIDDLE

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XGEP64-S	XGEP64-S
Job / Serial Num	-	20209523
Type	TYPE I LOW PROXIMITY	TYPE I LOW PROX
Hood length	64	64"
Hood Width	23	23"

Test Data Exhaust		
	Design	Actual
Filter Type	GREASE GRABBER	GREASE GRABBER
Filter Size 1	16X16	16X16
Filter Qty 1	4	4
Filter AK factor size 1	1.53	1.53
Filter Total AK Area	6.12	6.12
Filter1 FPM	-	284
Filter2 FPM	-	253
Filter3 FPM	-	232
Filter4 FPM	-	234
Filter Ave FPM(corr)	-	251
CFM	1500	1536

Cooking Equipment		
	Design	Actual
Item 1	-	GRIDDLE

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Notes:

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Project: 10-24 CULVERS - PERRYSBURG, OH

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: HD2

AREA:FRYERS

Unit Data

	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEP83-S	XXEP83-S
Job / Serial Num	-	20209522
Type	TYPE I LOW PROXIMITY	TYPE I LOW PROX
Hood length	83	83"
Hood Width	23	23"

Test Data Exhaust

	Design	Actual
Filter Type	XTRACTOR	XTRACTOR
Filter Size 1	16X16	16X16
Filter Qty 1	5	5
Filter AK factor size 1	1.53	1.53
Filter Total AK Area	7.65	7.65
Filter1 FPM	-	224
Filter2 FPM	-	203
Filter3 FPM	-	204
Filter4 FPM	-	208
Filter5 FPM	-	218
Filter Ave FPM(corr)	-	211
CFM	1500	1614

Cooking Equipment

	Design	Actual
Item 1	-	FRYER
Item 2	-	

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