

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 10/26/2023

PROJECT
09-25-23 EL SOMBRERO MEXICAN -
MARSHFIELD, MO

315 Commercial St

Marshfield, MO 65706

Client

Accurex
PO Box 410

Schofield, WI 54476

National TAB

Project: 09-25-23 EL SOMBRERO MEXICAN - MARSHFIELD, MO

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CheckList List

- FINAL TESTS
- TECH - SITE PICTURES
- UNIT INSPECTION



09-25-23 EL SOMBRERO MEXICAN - MARSHFIELD, MO

CheckList Information

Name : FINAL TESTS **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 09/26/2023 - Brian Turnbough - National TAB

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

ALL

List smoke candle type used

Comment:

COOKING OBSERVED

Smoke test capture - Perimeter of hood

Comment:

100%

Smoke test capture - Top of cooking surface

Comment:

100%

WITNESS

Date test was completed

09/26/2023

Comment:

TAB tech name / Firm

Comment:

JACOB DAVIDSON / NATIONAL TAB INTELLIGENCE

Site super name / Firm

Comment:

N/A

Owner representative name / Firm (if Applicable)

Comment:

ALEX / EL SOMBRERO

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

Comment:

0.0067" FRONT 0.0132" BACK DOOR



KSF
09/27/2023

KEF-1

Comment:



KEF1(1)
09/27/2023

KEF-2

Comment:



KEF2
09/27/2023

HOOD-1

Comment:



HD1
09/27/2023

HOOD-2

Comment:



HD2
09/27/2023



09-25-23 EL SOMBRERO MEXICAN - MARSHFIELD, MO

CheckList Information

Name : UNIT INSPECTION **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 09/26/2023 - Brian Turnbough - National TAB

CheckList Item Details

UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:

EF's

Rotation is correct?	Yes
----------------------	-----

Comment:

Belts are tight?	N/A
------------------	-----

Comment:

Grease cup installed on hood fan?	Yes
-----------------------------------	-----

Comment:

Hinge kit installed installed on hood fan?	No
--	----

Comment:

Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	N/A
---	-----

Comment:

CANNOT LEAN FANS BACK

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:

Unit free of noticeable noise and vibration?

Yes

Comment:

MUA

Rotation is correct?

Yes

Comment:

Gas piping is installed and valves are in on position?

No

Comment:

GAS PIPING NOT INSTALLED TO UNIT

Heater tested and is functional?

No

Comment:

Internal motorized damper is fully opening?

Yes

Comment:

Motor is operating below the FLA rating?

Yes

Comment:

Unit free of noticeable noise and vibration?

Yes

Comment:

HOODS

Kitchen equipment installed in proper places?

Yes

Comment:

Can kitchen equipment be turned on for final smoke test?

Yes

Comment:

DOCUMENTATION

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

Yes

Comment:

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Project: 09-25-23 EL SOMBRERO MEXICAN - MARSHFIELD, MO

System/Unit: FAN - Exhaust



Asset: KEF1

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRUD-160-VG	XRUD-160-10-VG-1-26-G
Serial Num	-	22367524
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	3000	2189
Fan RPM	1300	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	10VDC
RL Voltage	-	123V
RL Amperage	-	4.8A
Total ESP	0.75"	UTO
Fan Inlet SP	-	UTO
Fan Discharge SP	-	UTO

Motor Data		
	Design	Actual
Motor MFG	-	BROAD OCEAN
Frame	-	NL
Horsepower	1	1
Motor Rpm	1300	300-1750
Phase	1	1
Voltage (rated)	230	115/208-230/277
Amperage (rated)	-	11.5/7.0/5.8
Service Factor	-	1

Notes:

HINGE KIT IS NOT INSTALLED ON FAN TO GET PRESSURES SAFELY.

Written By: Jacob Davidson on 09/26/2023

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Project: 09-25-23 EL SOMBRERO MEXICAN - MARSHFIELD, MO

System/Unit: FAN - Exhaust



Asset: KEF2

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XRUD-160-VG	XRUD-160-10-VG-1-26-D
Serial Num	-	22367531
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	BROAD OCEAN
Frame	-	NL
Horsepower	1	1
Motor Rpm	1300	300-1750
Phase	1	1
Voltage (rated)	230	115/208-230/277
Amperage (rated)	-	11.5/7.0/5.8
Service Factor	-	1

Test Data		
	Design	Actual
CFM	3000	2177
Fan RPM	1300	DD
Fan Rotation	-	CCW
Motor RPM	-	DD
System SetPt	-	10VDC
RL Voltage	-	120V
RL Amperage	-	4.6A
Total ESP	0.75"	UTO
Fan Inlet SP	-	UTO
Fan Discharge SP	-	UTO

Notes:

HINGE KIT IS NOT INSTALLED ON FAN TO GET PRESSURES SAFELY.

Written By: Jacob Davidson on 09/26/2023

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Project: 09-25-23 EL SOMBRERO MEXICAN - MARSHFIELD, MO

System/Unit: FAN - Supply



Asset: KSF1

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XDGX-P116-H12-MF	XDGX-P116-H12-MF
Serial Num	-	22372109
Type	MUA	MAU
Configuration	VERTICAL	VERTCAL

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	182T
Horsepower	3	3
Motor Rpm	1725	1760
Phase	1	3
Voltage (rated)	230	208-230/460
Amperage (rated)	-	9-8.8/4.4
Service Factor	-	1

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	NO
Flame Status (pass/fail)	-	FAIL
Inlet Air Temp SetPt	-	50
Discharge Air Temp SetPt	-	70
Air Flow Switch SP Actual	-	UTO

Test Data		
	Design	Actual
CFM	4800	4032
SF RPM	1966	2005
Motor RPM	-	2005
SF System SetPt	-	68.38HZ
RL Voltage	-	250V VFD
RL Amperage	-	7.78A VFD
Total ESP	-	NA
Fan Discharge SP	-	NA

General		
	Design	Actual
Fan Rotation Correct	-	YES

Notes:
 4 14X18 Filters
 K factor 7
 Measured 4638CFM from the roof

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Project: 09-25-23 EL SOMBRERO MEXICAN - MARSHFIELD, MO



System/Unit: Kitchen Hood Type I

Asset: HD1

AREA:

Unit Data		
	Design	Actual
MFG	NA	ECON AIR
Model Num	NA	5424 EX-2
Job / Serial Num	-	4445908
Type	-	TYPE I CANOPY
Hood length	-	120"
Hood Width	-	54"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	-	16"
Supply Plenum Length	-	120"

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	16X16
Filter Qty 1	-	7
Filter AK factor size 1	-	1.62
Filter Total AK Area	-	11.34
Filter1 FPM	-	178
Filter2 FPM	-	193
Filter3 FPM	-	216
Filter4 FPM	-	271
Filter5 FPM	-	203
Filter6 FPM	-	148
Filter7 FPM	-	146
Filter Ave FPM(corr)	-	193
CFM	3000	2189

Cooking Equipment		
	Design	Actual
Item 1	-	FRYERS
Item 2	-	GRIDDLE

Test Data Supply		
	Design	Actual
Total AK Area	-	13.33
Kv factor (Vel)	-	0.92
Num of Readings	-	8
Reading1 FPM	-	219
Reading2 FPM	-	99
Reading3 FPM	-	92
Reading4 FPM	-	169
Reading5 FPM	-	186
Reading6 FPM	-	209
Reading7 FPM	-	182
Reading8 FPM	-	174
Ave FPM(corr)	-	166
CFM	2400	2036

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Project: 09-25-23 EL SOMBRERO MEXICAN - MARSHFIELD, MO



System/Unit: Kitchen Hood Type I

Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	NA	CAPTIVE AIRE
Model Num	NA	5424 ND-2
Job / Serial Num	-	NL
Type	-	TYPE I CANOPY
Hood length	-	126"
Hood Width	-	54"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	-	16"
Supply Plenum Length	-	126"

Test Data Supply		
	Design	Actual
Total AK Area	-	14
Kv factor (Vel)	-	0.92
Num of Readings	-	8
Reading1 FPM	-	264
Reading2 FPM	-	122
Reading3 FPM	-	71
Reading4 FPM	-	120
Reading5 FPM	-	132
Reading6 FPM	-	158
Reading7 FPM	-	194
Reading8 FPM	-	185
Ave FPM(corr)	-	155
CFM	2400	1996

Test Data Exhaust		
	Design	Actual
Filter Type	-	BAFFLE
Filter Size 1	-	16X16
Filter Qty 1	-	7
Filter AK factor size 1	-	1.62
Filter Total AK Area	-	11.34
Filter1 FPM	-	130
Filter2 FPM	-	126
Filter3 FPM	-	192
Filter4 FPM	-	211
Filter5 FPM	-	269
Filter6 FPM	-	222
Filter7 FPM	-	197
Filter Ave FPM(corr)	-	192
CFM	-	2177

Cooking Equipment		
	Design	Actual
Item 1	-	STOVE TOP
Item 2	-	OVEN
Item 3	-	
Item 4	-	
Item 5	-	