

**Report By:**

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



**Report: TAB REPORT**  
**Function: Test, Adjust, & Balance**  
**Date: 11/07/2024**  
**Completed By: National TAB**

**PROJECT**  
**06-24-24 GUADALAJARA - WAUKEE, IA**  
**(HOOD CERT)**

185 WEST HICKMAN RD

WAUKEE, IA 50263

**Client**

Accurex  
PO Box 410  
Schofield, WI 54476

# National TAB

Project: 06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)

## Table Of Contents

<b>Section</b>	<b>Page #</b>
REMARKS	3
CHECKLISTS	5
Kitchen Hood Type I	15
FAN - Exhaust	21
FAN - Supply	24

## Issue List

- EF1/EF2/EF3 fans cannot lean back

**06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)**

**Project Issue Information**

**Issue Name :** EF1/EF2/EF3 fans cannot lean back  
**Description :** Electrical conduit for each of the 3 fans is too short and fans cannot be leaned back for cleaning or fan pressure. Recommend adding length to the electrical whip to lean fans back properly.  
**Created By :** National TAB                      **Assigned To :** National TAB - Jacob Davidson  
**Status :** Open  
**Priority :** Low                                      **Asset Tag :**  
**Originated Date :** 11/11/2024 - Jacob Davidson - National TAB

Project Issue File Details



11/11/2024



11/11/2024



11/11/2024

## CheckList List

- HOOD CERTIFICATION CHECKLIST 1
- HOOD CERTIFICATION CHECKLIST 2
- HOOD CERTIFICATION CHECKLIST 3



06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)

CheckList Information

Name : HOOD CERTIFICATION CHECKLIST 1 Status : Not Completed
Assigned Organization : National TAB Asset :
Requesting Organization : National TAB
Created Date : 06/26/2024 - Brian Turnbough - National TAB

CheckList Item Details

HD-1

Hood Photos

Comment:

ATTACHED TO ASSET

Exhaust Fan Photo

Comment:

ATTACHED TO ASSET

Is the hood powered and free of alarms?

Comment:

YES

Does hood label match submittal?

Comment:

YES

Do hood dimensions match submittal?

Comment:

YES

**Is the hood hung Level?**

**Comment:**

YES

**Are hood lights installed and are they powered?**

**Comment:**

YES

**Are temperature Sensors installed?**

**Comment:**

YES

**Are the correct number and size of filters installed, and are they installed correctly?**

**Comment:**

YES

**Is the grease cup installed?**

**Comment:**

YES

**Are side splashes/skirts installed and do they match the submittal?**

**Comment:**

N/A

**Is the backsplash installed and does it match the submittal?**

**Comment:**

YES

**Are ceiling enclosures installed and do they match the submittal?**

**Comment:**

YES

**Does the appliance line-up match the drawings on submittal?**

**Comment:**

YES

**Document any other issues or discrepancies.**

**Comment:**

ELECTRICAL CONDUIT FOR FAN IS TOO SHORT TO LEAN BACK TO CLEAN OR GET PRESSURES.

---

**HOOD CAPTURE TEST**

---

**List equipment turned on for testing:**

---

**Comment:**

NONE

---

**Smoke Test Capture - Perimeter of Hood**

---

**Comment:**

100% ON MAX

---

**Smoke Test Capture - Top of Cooking Surface**

---

**Comment:**

100% ON MAX

---

**List smoke candle used:**

---

**Comment:**

S102 45 SECOND SMOKE EMITTER

---



Comfort. Under Control.  
www.nationaltab.com

## 06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)

### CheckList Information

**Name :** HOOD CERTIFICATION CHECKLIST 2      **Status :** Not Completed

**Assigned Organization :** National TAB      **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 06/26/2024 - Brian Turnbough - National TAB

### CheckList Item Details

HD-2

**Hood Photos**

**Comment:**

ATTACHED TO ASSET

**Exhaust Fan Photo**

**Comment:**

ATTACHED TO ASSET

**Is the hood powered and free of alarms?**

**Comment:**

YES

**Does hood label match submittal?**

**Comment:**

YES

**Do hood dimensions match submittal?**

**Comment:**

YES

**Is the hood hung Level?**

**Comment:**

YES

**Are hood lights installed and are they powered?**

**Comment:**

YES

**Are temperature Sensors installed?**

**Comment:**

YES

**Are the correct number and size of filters installed, and are they installed correctly?**

**Comment:**

YES

**Is the grease cup installed?**

**Comment:**

YES

**Are side splashes/skirts installed and do they match the submittal?**

**Comment:**

YES

**Is the backsplash installed and does it match the submittal?**

**Comment:**

YES

**Are ceiling enclosures installed and do they match the submittal?**

**Comment:**

YES

**Does the appliance line-up match the drawings on submittal?**

**Comment:**

YES

**Document any other issues or discrepancies.**

**Comment:**

ELECTRICAL CONDUIT FOR FAN IS TOO SHORT TO LEAN BACK TO CLEAN OR GET PRESSURES.

---

**HOOD CAPTURE TEST**

---

**List equipment turned on for testing:**

---

**Comment:**

NONE

---

**Smoke Test Capture - Perimeter of Hood**

---

**Comment:**

100% ON MAX

---

**Smoke Test Capture - Top of Cooking Surface**

---

**Comment:**

100% ON MAX

---

**List smoke candle used:**

---

**Comment:**

S102 45 SECOND SMOKE EMITTER

---



Comfort. Under Control.  
www.nationaltab.com

### 06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)

#### CheckList Information

**Name :** HOOD CERTIFICATION CHECKLIST 3      **Status :** Not Completed

**Assigned Organization :** National TAB      **Asset :**

**Requesting Organization :** National TAB

**Created Date :** 06/26/2024 - Brian Turnbough - National TAB

#### CheckList Item Details

HD-1

**Hood Photos**

**Comment:**

ATTACHED TO ASSET

**Exhaust Fan Photo**

**Comment:**

ATTACHED TO ASSET

**Is the hood powered and free of alarms?**

**Comment:**

YES

**Does hood label match submittal?**

**Comment:**

YES

**Do hood dimensions match submittal?**

**Comment:**

YES

**Is the hood hung Level?**

**Comment:**

YES

**Are hood lights installed and are they powered?**

**Comment:**

YES

**Are temperature Sensors installed?**

**Comment:**

YES

**Are the correct number and size of filters installed, and are they installed correctly?**

**Comment:**

YES

**Is the grease cup installed?**

**Comment:**

YES

**Are side splashes/skirts installed and do they match the submittal?**

**Comment:**

YES

**Is the backsplash installed and does it match the submittal?**

**Comment:**

YES

**Are ceiling enclosures installed and do they match the submittal?**

**Comment:**

YES

**Does the appliance line-up match the drawings on submittal?**

**Comment:**

YES

**Document any other issues or discrepancies.**

**Comment:**

ELECTRICAL CONDUIT FOR FAN IS TOO SHORT TO LEAN BACK TO CLEAN OR GET PRESSURES.

---

**HOOD CAPTURE TEST**

---

**List equipment turned on for testing:**

---

**Comment:**

NONE

---

**Smoke Test Capture - Perimeter of Hood**

---

**Comment:**

100% ON MAX

---

**Smoke Test Capture - Top of Cooking Surface**

---

**Comment:**

100% ON MAX

---

**List smoke candle used:**

---

**Comment:**

S102 45 SECOND SMOKE EMITTER

---



# National TAB

Project: 06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)



## System/Unit: Kitchen Hood Type I

Asset: HD1

AREA:LONG HOOD (LEFT)

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEW-100-S	XXEW-100.00-S
Job / Serial Num	-	24148846
Type	TYPE 1 CANOPY	TYPE I CANOPY
Hood length	100"	100"
Hood Width	54"	54"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	18"	18"
Supply Plenum Length	112"	101"

Test Data Supply		
	Design	Actual
Total AK Area	12.63	12.625
Kv factor (Vel)	-	0.88
Num of Readings	-	5
Reading1 FPM	-	110
Reading2 FPM	-	170
Reading3 FPM	-	150
Reading4 FPM	-	187
Reading5 FPM	-	156
Ave FPM(corr)	-	155
CFM	1707	1722

Test Data Exhaust		
	Design	Actual
Filter Type	XTRACTOR	XTRACTOR
Filter Size 1	16X20	16X20
Filter Size 2	20X20	20X20
Filter Qty 1	5	5
Filter Qty 2	1	1
Filter AK factor size 1	10.00	10.00
Filters AK factor size 2	3	3
Filter Total AK Area	13.00	13.00
Filter1 FPM	-	158
Filter2 FPM	-	152
Filter3 FPM	-	152
Filter4 FPM	-	159
Filter5 FPM	-	157
Filter6 FPM	-	145
Filter Ave FPM(corr)	-	153
CFM	2000	1989

Cooking Equipment	
	Actual
Item 1	GRIDDLE

## Unit Data - PHOTO LOG



IMG\_9942\_151672969.jp..

Completed By: Jacob Davidson on 11/11/2024



# National TAB

Project: 06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)



## System/Unit: Kitchen Hood Type I

Asset: HD2

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEW-100-S	XXEW-100.00-S
Job / Serial Num	-	24148849
Type	TYPE 1 CANOPY	TYPE I CANOPY
Hood length	100"	100"
Hood Width	54"	54"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	18"	18"
Supply Plenum Length	101"	112"

Test Data Supply		
	Design	Actual
Total AK Area	-	14
Kv factor (Vel)	-	0.88
Num of Readings	-	6
Reading1 FPM	-	159
Reading2 FPM	-	138
Reading3 FPM	-	168
Reading4 FPM	-	156
Reading5 FPM	-	146
Reading6 FPM	-	146
Ave FPM(corr)	-	152
CFM	1893	1873

Test Data Exhaust		
	Design	Actual
Filter Type	XTRACTOR	EXTRACTOR
Filter Size 1	16X20	16X20
Filter Size 2	20X20	20X20
Filter Qty 1	5	5
Filter Qty 2	1	1
Filter AK factor size 1	10.00	10.00
Filters AK factor size 2	3.00	3.00
Filter Total AK Area	13.00	13.00
Filter1 FPM	-	156
Filter2 FPM	-	150
Filter3 FPM	-	169
Filter4 FPM	-	161
Filter5 FPM	-	153
Filter6 FPM	-	163
Filter Ave FPM(corr)	-	158
CFM	2000	2054

Cooking Equipment	
	Actual
Item 1	GRIDDLE
Item 2	STOVETOP
Item 3	GRILL
Item 4	FRYER
Item 5	OVEN

## Unit Data - PHOTO LOG



IMG\_9941\_1319575046.j..

Completed By: Jacob Davidson on 11/11/2024



# National TAB

Project: 06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)



## System/Unit: Kitchen Hood Type I

Asset: HD3

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XXEW-144-S	XXEW-144.00-S
Job / Serial Num	-	24148851
Type	TYPE 1 CANOPY	TYPE I CANOPY
Hood length	144"	144"
Hood Width	54"	54"
Supply Plenum Type	-	ACPSP
Supply Plenum Width	18"	18"
Supply Plenum Length	78.5"	156"

Test Data Exhaust		
	Design	Actual
Filter Type	XTRACTOR	XTRACTOR
Filter Size 1	16X20	16X20
Filter Size 2	20X20	20X20
Filter Qty 1	4	4
Filter Qty 2	4	4
Filter AK factor size 1	8.00	8.00
Filters AK factor size 2	12.00	12.00
Filter Total AK Area	20.00	20.00
Filter1 FPM	-	149
Filter2 FPM	-	142
Filter3 FPM	-	144
Filter4 FPM	-	169
Filter5 FPM	-	159
Filter6 FPM	-	153
Filter7 FPM	-	143
Filter8 FPM	-	136
Filter Ave FPM(corr)	-	149
CFM	2800	2980

Cooking Equipment	
	Actual
Item 1	STOVETOP
Item 2	FRYER

Test Data Supply		
	Design	Actual
Total AK Area	-	19.5
Kv factor (Vel)	-	0.88
Num of Readings	-	8
Reading1 FPM	-	179
Reading2 FPM	-	159
Reading3 FPM	-	107
Reading4 FPM	-	87
Reading5 FPM	-	193
Reading6 FPM	-	226
Reading7 FPM	-	147
Reading8 FPM	-	141
Ave FPM(corr)	-	155
CFM	2520	2660



## System/Unit: FAN - Exhaust

Asset: EF1

AREA:

Unit Data		
	Design	Actual
<b>MFG</b>	ACCUREX	ACCUREX
<b>Model Num</b>	XCUE-140-VG	XCUE-140-10-VG-1-26-G
<b>Serial Num</b>	-	24146480
<b>Type</b>	UPBLAST	UPBLAST
<b>Configuration</b>	VERTICAL	VERTICAL

Test Data		
	Design	Actual
<b>CFM</b>	2000	1989
<b>Fan RPM</b>	1603	DD ECM
<b>Fan Rotation</b>	-	CCW
<b>Motor RPM</b>	-	DD ECM
<b>System SetPt</b>	-	7.8 VDC
<b>RL Voltage</b>	-	213V
<b>RL Amperage</b>	-	3.54A
<b>Total ESP</b>	1.2"	NA
<b>Fan Inlet SP</b>	-	NA
<b>Fan Discharge SP</b>	-	NA

Motor Data		
	Design	Actual
<b>Motor MFG</b>	-	TELCO GREEN
<b>Frame</b>	-	NL
<b>Horsepower</b>	1	1
<b>Motor Rpm</b>	-	300-1750
<b>Phase</b>	1	1
<b>Voltage (rated)</b>	208	115/208-230/277
<b>Amperage (rated)</b>	-	11.5/7.0/5.8
<b>Service Factor</b>	-	1

### Unit Data - PHOTO LOG



IMG\_9959\_1344699722.j..

Completed By: Jacob Davidson on 11/11/2024

Notes:  
ELECTRICAL CONDUIT IS TOO SHORT TO LEAN FAN BACK FOR PRESSURE

Written By: Jacob Davidson on 11/11/2024

**System/Unit: FAN - Exhaust**

Asset: EF2

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-140-VG	XCUE-140-10-VG-1-26-G
Serial Num	-	24146485
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	2000	2054
Fan RPM	1603	DD ECM
Fan Rotation	-	CCW
Motor RPM	-	DD ECM
System SetPt	-	7.5 VDC
RL Voltage	-	213V
RL Amperage	-	3.30A
Total ESP	1.2"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

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

**Unit Data - PHOTO LOG**



IMG\_9955\_1803488541.j..

Completed By: Jacob Davidson on 11/11/2024

Notes:  
ELECTRICAL CONDUIT IS TOO SHORT TO LEAN FAN BACK FOR PRESSURES

Written By: Jacob Davidson on 11/11/2024

**System/Unit: FAN - Exhaust**

Asset: EF3

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XCUE-160-A	XCUE-160-A-20-1-26-G
Serial Num	-	24146486
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	2800	2980
Fan RPM	1603	1363
Fan Rotation	-	CCW
Motor RPM	-	1363
System SetPt	-	47.0HZ
RL Voltage	-	187V VFD
RL Amperage	-	3.55A VFD
Total ESP	1.2"	NA
Fan Inlet SP	-	NA
Fan Discharge SP	-	NA

Motor Data		
	Design	Actual
Motor MFG	-	WEG
Frame	-	56HZ
Horsepower	1	2
Motor Rpm	-	1740
Phase	1	3
Voltage (rated)	208	230/460
Amperage (rated)	-	5.38/2.69
Service Factor	-	1.15

**Unit Data - PHOTO LOG**



image\_1693663598

Completed By: Jacob Davidson on 11/11/2024

Notes:  
ELECTRIC CONDUIT IS NOT LONG ENOUGH TO LEAN FAN BACK FOR PRESSURE

Written By: Jacob Davidson on 11/11/2024



# National TAB

Project: 06-24-24 GUADALAJARA - WAUKEE, IA (HOOD CERT)



## System/Unit: FAN - Supply

Asset: MUA1

AREA:

Unit Data		
	Design	Actual
MFG	ACCUREX	ACCUREX
Model Num	XDGX-P120-H32-MF-10	XDGX-P120-H32-MF-10
Serial Num	-	24177991
Type	MUA	MAU
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	5	5
Motor Rpm	-	NA
Phase	3	3
Voltage (rated)	208	208
Amperage (rated)	-	14.2
Service Factor	-	1

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	Y
Flame Status (pass/fail)	-	PASS
Inlet Air Temp SetPt	-	55
Discharge Air Temp SetPt	-	65
Air Flow Switch SP Actual	-	N/A

Test Data		
	Design	Actual
CFM	6120	6255
SF RPM	-	38.3Hz
Motor RPM	-	38.3HZ
SF System SetPt	-	3.0 VDC MAX
RL Voltage	-	151V VFD
RL Amperage	-	8.7A VFD
Total ESP	-	0.17"
Fan Discharge SP	-	0.17"

General	
	Actual
Fan Rotation Correct	YES

### Unit Data - PHOTO LOG



IMG\_9954\_1104264580.j..

Completed By: Jacob Davidson on 11/11/2024