

Report By:

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

NATIONAL

TAB

Comfort. Under control.

**Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 8/30/2022**

PROJECT

08-08 PARK ELEMENTARY - MARINETTE, WI

1225 Hockridge St,

Marinette, WI 54143

Client

Accurex

PO Box 410

Schofield, WI 54476

National TAB

Project: 08-08 PARK ELEMENTARY - MARINETTE, WI

Table Of Contents

| Section | Page # |
|----------------------|---------------|
| Pictures | 3 |
| Checklist Data | 8 |
| FAN - Exhaust | 10 |
| Kitchen Hood Type I | 12 |
| Kitchen Hood Type II | 13 |



Park Elementary
Marinette, WI



HD-1



HD-1
Hood filters, lights installed and functional.



HD-1
Grease cup installed



Hood Control



EF-1
HD-1



EF-1
Grease cup installed. Fan secured to curb.



EF-1
Motor housing



EF-1
Curb



EF-1
Grease duct



HD-2
Dishwasher



EF-2
Hood 2



EF-2
Motor housing



Comfort. Under control.

08-08 PARK ELEMENTARY - MARINETTE, WI

CheckList Information

Name : TECH - STEP 1: INITIAL WALKTHROUGH **Status :** NotSubmitted

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

CheckList Item Details

INITIAL SITE WALKTHROUGH

| | |
|--|-----|
| All hood filters installed and accounted for? | Yes |
| Hoods are wired and have power? | Yes |
| Hood is free of alarms? | Yes |
| Thermostats have power? | NA |
| Have trades/general contractor been notified about any issues and are they created on FaciliBuild? | Yes |

Notes/Comments :



Comfort. Under control.

08-08 PARK ELEMENTARY - MARINETTE, WI

CheckList Information

| | | | |
|----------------------------------|-----------------------------------|-----------------|--------------|
| Name : | TECH - STEP 2: UNIT DATA AND EVAL | Status : | NotSubmitted |
| Assigned Organization : | National TAB | Asset : | |
| Requesting Organization : | National TAB | | |

CheckList Item Details

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

EF's

| | |
|---|------------------|
| Rotation is correct? | Yes |
| Belts are tight? | NA, direct drive |
| Grease cup installed on hood fan? | Yes |
| Hinge kit installed installed on hood fan? | Yes |
| Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan? | Yes |
| Flex conduit is long enough so that fan can be completely tilted back? | Yes |
| There is no major leakage around base of fan? | Yes |
| Is the motor operating below the motor FLA rating? | Yes |

MUA

| | |
|--|----------------------|
| Rotation is correct? | NA, no MAU installed |
| Gas piping is installed and valves are in on position? | NA |
| Heater tested and is functional? | NA |
| Internal motorized damper is fully opening? | NA |
| Motor is operating below the FLA rating? | NA |
| Unit free of noticeable noise and vibration? | NA |

HOODS

Kitchen equipment installed in proper places? No

Can kitchen equipment be turned on for final smoke test? No

DOCUMENTATION

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

Notes/Comments :



Comfort. Under control.

08-08 PARK ELEMENTARY - MARINETTE, WI

CheckList Information

Name : TECH - STEP 3: TEST, ADJUST AND BALANCE **Status :** NotSubmitted

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

| | |
|---|-----|
| Is space free of drafting? | Yes |
| Is space comfortable in all areas? | Yes |
| Is the space free of ventilation noise? | Yes |
| If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA". | NA |

Notes/Comments :



Comfort. Under control.

08-08 PARK ELEMENTARY - MARINETTE, WI

CheckList Information

Name : TECH - STEP 4: FINAL TESTS **Status :** NotSubmitted
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

| | |
|---|-------------------------|
| List equipment turned on for testing | None |
| List smoke candle type used | 45 second smoke emitter |
| Smoke test capture - Perimeter of hood | 100% |
| Smoke test capture - Top of cooking surface | 100% |

WITNESS

| | |
|--|-------------------|
| Date test was completed | 08/09/2022 |
| TAB tech name / Firm | Michael McDonnell |
| Site super name / Firm | NA |
| Owner representative name / Firm (if Applicable) | NA |
| Building pressure at front & back doors (All Systems On) | NA |

ADDITIONAL

| | |
|---|----|
| Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative) | NA |
| Thermostats are programmed? | NA |

Notes/Comments :

National TAB

Project: 08-08 PARK ELEMENTARY - MARINETTE, WI

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:KH-1

| Unit Data | | |
|---------------|--------|---------------|
| | Design | Actual |
| MFG | NA | TWIN CITY FAN |
| Model Num | NA | DCRUR-160BE |
| Serial Num | - | 33848-7-00001 |
| Type | - | CENTRIFUGAL |
| Configuration | - | UPBLAST |

| Motor Data | | |
|------------------|--------|----------|
| | Design | Actual |
| Motor MFG | - | BALDOR |
| Frame | - | 56Z |
| Horsepower | - | 2.0 |
| Motor Rpm | - | 200-1800 |
| Phase | - | 1 |
| Voltage (rated) | - | 208 |
| Amperage (rated) | - | 12.0 |
| Service Factor | - | NL |

| Drive Data | | |
|--------------------|--------|----------|
| | Design | Actual |
| Motor Sheave Size | - | DD |
| Motor Bore Size | - | DD |
| Motor Sheave SetPt | - | 100% [1] |
| Fan Sheave Size | - | DD |
| Fan Sheave Bore | - | DD |
| Belt CL Distance | - | DD |
| Num of Belts | - | DD |
| Belt Size | - | DD |

| Test Data | | |
|---------------|--------|--------|
| | Design | Actual |
| CFM | 2640 | 2466 |
| Fan RPM | - | 1080 |
| Fan Rotation | - | CCW |
| Motor RPM | - | 1080 |
| RL Voltage | - | 210 |
| RL Amperage | - | 10.2 |
| Suction ESP | - | -1.04" |
| Discharge ESP | - | AT |
| Total ESP | - | 1.04" |

Completed By: Dan Hertenstein

Notes: [1] FAN CONTROLLED BY BMS. CONTROLS INFORMED FAN WAS AT 100% SPEED SETPOINT.

National TAB

Project: 08-08 PARK ELEMENTARY - MARINETTE, WI

System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF2

AREA:CH-1

| Unit Data | | |
|---------------|--------|------------------|
| | Design | Actual |
| MFG | NA | TWIN CITY FAN |
| Model Num | NA | DCRU-093BE |
| Serial Num | - | 5000016356-00002 |
| Type | - | UPBLAST |
| Configuration | - | VERTICAL |

| Test Data | | |
|---------------|--------|--------|
| | Design | Actual |
| CFM | 600 | 630 |
| Fan RPM | - | 1800 |
| Fan Rotation | - | CCW |
| Motor RPM | - | 1800 |
| RL Voltage | - | 120 |
| RL Amperage | - | 1.1 |
| Suction ESP | - | -0.21" |
| Discharge ESP | - | ATM |
| Total ESP | - | 0.21" |

| Motor Data | | |
|------------------|--------|-----------|
| | Design | Actual |
| Motor MFG | - | GRIDSMART |
| Frame | - | NL |
| Horsepower | - | 0.25 |
| Motor Rpm | - | 200-1800 |
| Phase | - | 1 |
| Voltage (rated) | - | 115 |
| Amperage (rated) | - | 3.3 |
| Service Factor | - | NL |

| Drive Data | | |
|--------------------|--------|----------|
| | Design | Actual |
| Motor Sheave Size | - | DD |
| Motor Bore Size | - | DD |
| Motor Sheave SetPt | - | 100% [1] |
| Fan Sheave Size | - | DD |
| Fan Sheave Bore | - | DD |
| Belt CL Distance | - | DD |
| Num of Belts | - | DD |
| Belt Size | - | DD |

Completed By: Dan Hertenstein

Notes: [1] FAN CONTROLLED BY BMS. CONTROLS INFORMED FAN WAS AT 100% SPEED SETPOINT.

National TAB

Project: 08-08 PARK ELEMENTARY - MARINETTE, WI

System/Unit: Kitchen Hood Type I



Comfort. Under control.

Asset: KH-1

AREA:

| Unit Data | | |
|----------------------|----------------------|--------------------|
| | Design | Actual |
| MFG | ACCUREX | ACCUREX |
| Model Num | XBEW-144-S | XBEW-144-S |
| Job / Serial Num | - | 19813820 |
| Type | TYPE I LOW PROXIMITY | TYPE I LOW PROFILE |
| Hood length | 144" | 144" |
| Hood Width | 63" | 63" |
| Supply Plenum Type | - | NA |
| Supply Plenum Width | 14" | NA |
| Supply Plenum Length | 157" | NA |

| Test Data Exhaust | | |
|--------------------------|--------|--------|
| | Design | Actual |
| Filter Type | BAFFLE | BAFFLE |
| 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 | 2.10 | 2.10 |
| Filters AK factor size 2 | 2.40 | 2.40 |
| Filter Total AK Area | 18 | 18 |
| Filter1 FPM | - | 136 |
| Filter2 FPM | - | 154 |
| Filter3 FPM | - | 131 |
| Filter4 FPM | - | 147 |
| Filter5 FPM | - | 148 |
| Filter6 FPM | - | 125 |
| Filter7 FPM | - | 135 |
| Filter8 FPM | - | 120 |
| Filter Ave FPM(corr) | - | 137 |
| CFM | 2640 | 2466 |

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

Completed By: Dan Hertenstein

Notes:

| Test Data Supply | | |
|------------------|--------|--------|
| | Design | Actual |
| | | |

| Performance Data | | |
|-----------------------------|--------|----------------------|
| | Design | Actual |
| Smoke Generation Type | - | 45 SEC SMOKE EMITTER |
| Cooking Equip Heat On | - | NO |
| Hood Capture % | - | 100% |
| End Panels Installed (Y/N) | - | NO |
| Space Offset Temp Riser 1 | - | 15 |
| Space Offset Temp Riser 2 | - | NA |
| Riser Temp F (idle) Riser 1 | - | NA |
| Riser Temp F (idle) Riser 2 | - | NA |
| Ambient Room Temp | - | 73.1 |

| General | | |
|---------------------|--------|-------------------|
| | Design | Actual |
| Third Party Witness | - | VIDEO TAPED |
| Third Party Company | - | NA |
| Tech Witness | - | MICHAEL MCDONNELL |

National TAB

Project: 08-08 PARK ELEMENTARY - MARINETTE, WI

System/Unit: Kitchen Hood Type II



Comfort. Under control.

Asset: CH-1

AREA:

| Unit Data | | |
|-----------------------|----------------|----------------|
| | Design | Actual |
| MFG | ACCUREX | ACCUREX |
| Model Num | XD1-48-S | XD1-48-S |
| Serial Num | - | |
| Type | TYPE II CANOPY | TYPE II CANOPY |
| Hood length | 48" | 48" |
| Hood Width | 48" | 48" |
| Num of Exhaust Risers | - | 1 |

| Test Data | | |
|-------------------|--------|--------|
| | Design | Actual |
| Exhaust VEL(corr) | - | 540 |
| Exhaust CFM | 600 | 630 |

| Cooking Equipment | | |
|-------------------|--------|--------|
| | Design | Actual |

Completed By: Dan Hertenstein

Notes: