

Report By:

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



Report: TAB Report
Function: Test, Adjust, & Balance
Date: 07/09/2024

PROJECT

07-08-24 ULTA #1708 HARTSDALE, NY

383 North Central Ave.

Hartsdale, NY 10530

Client

Rectenwald Brothers Construction

National TAB

Project: 07-08-24 ULTA #1708 HARTSDALE, NY

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Project Summary

Scope for the project was to balance EF-1. The fan was inspected on the roof to ensure it was in good working condition and that there were no installation issues prior to testing. The airflow was then measured by reading each grille with a flow hood. The sum of these readings was equal to the total flow for the fan. The fan and grilles were found to be balanced and no adjustment was required. Final performance data was gathered off of the fan before leaving the site.

CheckList List

- 1: TECH - SITE PICTURES
- 2: TECH - EF CHECKLIST



07-08-24 ULTA #1708 HARTSDALE, NY

CheckList Information

Name : 1: TECH - SITE PICTURES **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 07/09/2024 - Brianna Biggs - National TAB
Completed Date : 07/09/2024 - Tyler Youells - National TAB

CheckList Item Details

STOREFRONT

Comment:



IMG_7334
07/09/2024

EF-1

Comment:



IMG_7328
07/09/2024



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CheckList Information

Name : 2: TECH - EF CHECKLIST **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 07/09/2024 - Brianna Biggs - National TAB
Completed Date : 07/09/2024 - Tyler Youells - National TAB

CheckList Item Details

EF's

Rotation is correct? Yes

Comment:

Belts are tight? N/A

Comment:

DIRECT DRIVE

Viroguard installed on hood fan(s)? N/A

Comment:

Hinge kit installed installed on hood fan? N/A

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:

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:

For restroom fan(s) is the back draft damper installed and can it fully open?

Yes

Comment:

NTi Found the backdraft damper sitting crooked and loosely in the curb. NTi secured the backdraft damper with screws to prevent it from moving.

Unit free of noticeable noise and vibration?

Yes

Comment:

National TAB

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System/Unit: FAN - Exhaust



Asset: EF1

AREA:SALON/HAIRWASH

Unit Data		
	Design	Actual
MFG	LOREN COOK	ACME
Model Num	150ACEB	PRN145EC
Serial Num	-	WK2645756
Type	DOWNBLAST	DOWNBLAST
Configuration	-	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	US MOTOR
Frame	-	48Y
Horsepower	1/2	0.5
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	6.2
Service Factor	-	1

Test Data		
	Design	Actual
CFM	1750	1748
Fan RPM	-	1703
Fan Rotation	-	CW
Motor RPM	-	1703
RL Voltage	-	121.9
RL Amperage	-	6.16
Suction ESP	-	-1.05"
Discharge ESP	-	ATM
Total ESP	0.5"	1.05"

Completed By: Tyler Youells on 07/09/2024

National TAB

Project:07-08-24 ULTA #1708 HARTSDALE, NY

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF1/SALON/HAIRWASH

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF1-EGRD1	SALON	3	16	1000	1	1001	1001	1001	100.1
EF1-EGRD2	HAIR WASH	3	14	750	1	747	747	747	99.6
Total				1750		1748	1748	1748	99.89%

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