Report By:

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

Report: TAB REPORT

Function: Test, Adjust, & Balance

Date: 01/22/2026

Completed By: National TAB

PROJECT

01-19-26 Culvers - Dundee, MI (DOAS, TAB)

16495 Tecumseh Street

Dundee, MI 48131

Client

Captive-Aire Region #60

National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

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Project Summary

Project Summary

The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report is further detail about your building performance including recommendations, asset data, and pictures. Our focus is to work with the trades to remedy any issues or deficiencies during the actual field balancing and not after the balancing has occurred to achieve a positive environment and outcome. The level of success is determined by the availability of the trades, possible parts needed, or time constraints.

RTU's (Roof Top Units)
Each of the RTU's were measured at their terminal devices or via traverse to establish a total flow for that unit. Each RTU was adjusted to within tolerance of the engineer's design flow. Each outlet was then adjusted to within tolerance of the design flow. Outside air was measured by reading the intake air opening with a velocity grid and multiplying by the free area. The outside air damper was adjusted until the airflow was within the design requirements. Any equipment that fell outside of that tolerance is noted throughout the report.

Kitchen Exhaust Hood & Associated Fans
Each kitchen exhaust fan was measured at the hood filter bay utilizing a velocity matrix and a manufacturer's correction factor. Each filter velocity is multiplied by the manufacturer's corrected area. The sum of these readings equals the total flow of the exhaust fans. The total flow of the exhaust was then adjusted to within tolerance of the design flow.

General Exhaust Fans
The general exhaust fans were measured by reading each air device with a flow hood. The total airflow for each fan is equivalent to the sum of these readings. Fan speed was then adjusted so that the airflow was within tolerance of design. Each terminal device was balanced to within tolerance of the design volume using the installed volume dampers. Any equipment that fell outside of this tolerance is noted throughout the report.

Final Building Tests
After completing the test and balance the final building pressure was measured. It was confirmed that the building pressure fell within acceptable tolerances of -0.02" wc to +0.02" wc and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report.
The hood capture was tested at the perimeter of the hood and the cook top level with the equipment heat on to ensure satisfactory hood capture and containment.

Issue List

- Back of house wall diffusers replaced by ceiling diffusers
- Bathroom EF backdraft damper not installed
- ECH in vestibule replaced with diffuser
- Flex used on cookline diffusers

01-19-26 Culvers - Dundee, MI (DOAS, TAB)

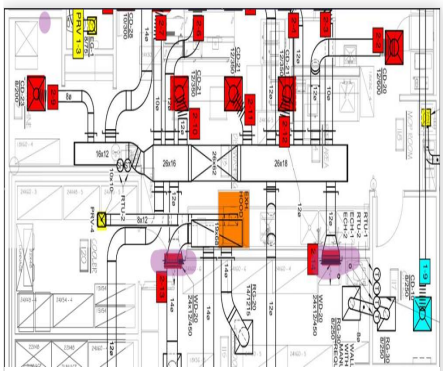
Project Issue Information

Issue Name : Back of house wall diffusers replaced by ceiling diffusers

Description : The diffusers in the back of house storage area were supposed to be wall grilles. These were replaced by ceiling diffusers due to physical constraints (highlighted in purple).

Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	InfoOnly	**Asset Tag :**	
Originated Date :	01/22/2026 - Corey Dick - National TAB		

Project Issue File Details



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Project Issue Information

Issue Name :	Bathroom EF backdraft damper not installed		
Description :	The backdraft damper for the bathroom EF is not installed. This did not affect completion of TAB.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Low	**Asset Tag :**	
Originated Date :	01/22/2026 - Corey Dick - National TAB		

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Project Issue Information

Issue Name :	ECH in vestibule replaced with diffuser		
Description :	The ECH that was scheduled to be in the vestibule was replaced by a diffuser connected to RTU-1. This was balanced to typical Culver's design at 150 CFM.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	InfoOnly	**Asset Tag :**	
Originated Date :	01/22/2026 - Corey Dick - National TAB		

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Project Issue Information

Issue Name :	Flex used on cookline diffusers		
Description :	The cookline diffusers have flex duct all the way down to the diffuser instead of hard pipe straight up. This did not affect flow or hood capture in a significant way.		
Created By :	National TAB	**Assigned To :**	National TAB - Dan Hertenstein
Status :	Open		
Priority :	Medium	**Asset Tag :**	
Originated Date :	01/22/2026 - Corey Dick - National TAB		

NATIONAL TAB

AIR BALANCE SCHEDULE

UNIT	AREA SERVED	HVAC SUPPLY		HVAC RETURN		HVAC OUTDOOR		OA %		HOOD MAKE-UP		HOOD EXHAUST		GENERAL EXH.	
		DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL	DESIGN	ACTUAL
RTU-1	DINING	6300	6466	4700	4788	1600	1678	25.4%	26.0%						
RTU-2	KITCHEN	6300	6193	3900	3726	2400	2467	38.1%	39.8%						
PRV-1	RESTROOM													300	294
PRV-2	HOOD											1500	1555		
PRV-3	HOOD											1500	1535		
PRV-4	DISH													350	379
EF-1	MOP ROOM													75	70
TOTALS		12600	12659	8600	8514	4000	4145			0	0	3000	3090	725	743

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	4000	4145
TOTAL EXHAUST	3725	3833
NET AIRFLOW	275	312

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.018
SIDE	0.015
REAR	0.01
AVERAGE	**0.0143**

FINAL CHECKS

ACTUAL NET AIRFLOW COINCIDES WITH DESIGN: ✔

MEASURED PRESSURES COINCIDES WITH ACTUAL NET AIRFLOW: ✔

PRESSURE FALLS WITHIN IMC TOLERANCE OF +/-0.02" W.C. ✔

NOTES:

CheckList List

- STEP 1: INITIAL WALKTHROUGH
- STEP 2: UNIT DATA AND EVAL
- STEP 3: TEST, ADJUST AND BALANCE
- STEP 4: FINAL TESTS
- STEP 5: FINAL DOCUMENTATION

01-19-26 Culvers - Dundee, MI (DOAS, TAB)

CheckList Information

Name :	STEP 1: INITIAL WALKTHROUGH	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	01/09/2026 - Trinity Dodds - National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?	No

Comment:

Wall diffusers in the back of house are changed to perforated ceiling diffusers for RTU-2. Ceiling diffuser in place of ECH in main vestibule.

Perforated diffusers are installed on the cook line? (4-ways will disrupt hood capture)	Yes

Comment:

All hood filters installed and accounted for?	Yes

Comment:

Hoods are wired and have power?	Yes

Comment:

Thermostats have power?	Yes

Comment:

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

Comment:

YES

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CheckList Information

Name :	STEP 2: UNIT DATA AND EVAL	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	01/09/2026 - Trinity Dodds - National TAB		

CheckList Item Details

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

RTU's/AHU's

Economizers are assembled and functional?	Yes
Comment:	

Thermostat wire run from OCP on the RTU to the Ec terminal at the thermostat? If no, jumper can be installed from R to OCP temporarily. (The economizers will not open without OCP being energized.)	Yes
Comment:	

Motors are all operating below the FLA rating?	Yes
Comment:	

Are belts tight?

Comment:

If direct drive unit is the speed controller working.

Comment:

Yes

Is gas piping installed and valves turned on?	Yes

Comment:	
Unit free of noticeable noise and vibration	Yes
Comment:	
EF's	
Rotation is correct?	Yes
Comment:	
Belts are tight?	
Comment:	
Grease cup installed on hood fan?	Yes
Comment:	
Hinge kit installed installed on hood fan?	Yes
Comment:	
Lean grease rated fans back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	Yes
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?	No
Comment:	
No damper installed	

Unit free of noticeable noise and vibration?	Yes
Comment:	
The hood exhaust fans are installed in correct positions and are not switched?	Yes
Comment:	
HOODS	
Kitchen equipment installed in proper places?	Yes
Comment:	
Can kitchen equipment be turned on for final smoke test?	No
Comment:	
Second stage Grease Grabber filters are installed on the griddle hood?	No
Comment:	
DOCUMENTATION	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	Yes
Comment:	

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CheckList Information

Name :	STEP 3: TEST, ADJUST AND BALANCE	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	01/09/2026 - Trinity Dodds - National TAB		

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting?	Yes
Comment:	
Is space comfortable in all areas?	Yes
Comment:	
Is the space free of ventilation noise?	Yes
Comment:	

If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".

Comment:

NA

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CheckList Information

Name :	STEP 4: FINAL TESTS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	01/09/2026 - Trinity Dodds - National TAB		

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

- Open dundeefryersmoketest_1176238782.mov
01/22/2026
- Open dundeegriddlesmoketest_1897453254.mov
01/22/2026

List equipment turned on for testing

Comment:

List smoke candle type used

Comment:

Inspect USA

Smoke test capture - Perimeter of hood

Comment:

100%

Smoke test capture - Top of cooking surface

Comment:

100%

WITNESS

Date test was completed	01/22/2026

Comment:

TAB tech name / Firm

Comment:

Corey Dick / National TAB

Site super name / Firm

Comment:

Renato Pierfelice

Owner representative name / Firm (if Applicable)

Comment:

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

Comment:

0.015” front door / 0.10” back door

ADDITIONAL

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

Comment:

Yes

Thermostats are programmed?	N/A

Comment:

PRODIGY SETTINGS FOR RTU'S

Parameter 65 set to 0	N/A

Comment:

DOAS

Parameter 78 set to 0	N/A

Comment:

Parameter 105 set to 6	N/A

Comment:

DOAS

Parameter 156 set to 70 (Dining unit only)	
Comment:	
Parameter 156 set to 65 (Kitchen Unit Only)	N/A
Comment:	
Parameter 170 set to 75 (Dining Unit Only)	N/A
Comment:	
Parameter 170 set to 70 (Kitchen Unit Only)	N/A
Comment:	
Parameter 131 set to the same % as OA minimum position?	N/A
Comment:	

DOAS

Parameter 117 set to the same % as OA minimum position?	N/A
Comment:	

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CheckList Information

Name :	STEP 5: FINAL DOCUMENTATION	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	01/09/2026 - Trinity Dodds - National TAB		

CheckList Item Details

FINAL DOCUMENTATION

Marked Data capture complete for all assets?	Yes
Comment:	
Picture file sent to processing team or uploaded?	Yes
Comment:	
Balance schedule complete and uploaded?	Yes
Comment:	
Prelim report generated and reviewed?	Yes
Comment:	

National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: AHU/RTU

Asset: RTU-1 AREA:DINING

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	7511080
Model Num	CAS-HVAC3-I.400-24-20T	CAS-HVAC3-I.400-24-20T
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16”x25”x2”
Num Final Filter 1	-	8
Final Filter Size 1	-	20”x25”x2”

Motor Data		
	Design	**Actual**
Motor MFG	-	NEMA
Frame	-	215T
Horsepower	10.00	10.00
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	24.3

Test Data		
	Design	**Actual**
SF CFM	6300	6466
RA CFM	4700	4788
OA CFM	1600	1678
RL Voltage	-	188 VFD
RL Amperage	-	23.2 VFD
SF Rotation	-	CCW CORRECT
SF System SetPt	-	56 HZ
RA Damper Position	-	MECHANICALLY LINKED
Min OA Damper Position	-	3.8 VDC
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.51”
Fan Suction SP	-	-1.90”
Fan Discharge SP	-	0.26”
Total ESP	0.75	0.77”
Fan Total SP	-	2.16”

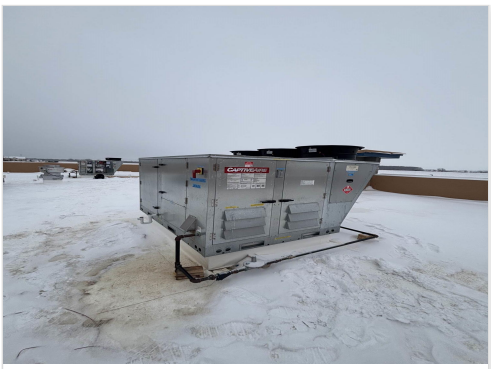
General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Corey Dick on 01/22/2026

Notes:
Ceiling diffuser used in vestibule instead of ECH. Set to typical Culver’s vestibule total of 150 CFM

Written By: Corey Dick on 01/21/2026

Unit Data - PHOTO LOG



01/22/2026

Diffuser Supply (GRD)

RTU-1/DINING

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	DINING	CD20	12	600	1	609	618	625	104.2
SGRD2	MENS RR	CD15	8	125	1	154	120	134	107.2
SGRD3	WOMENS RR	CD15	8	125	1	230	178	126	100.8
SGRD4	CUST SERVICE	CD11	10	375	1	406	408	401	106.9
SGRD5	CUST SERVICE	CD11	10	375	1	336	338	340	90.7
SGRD6	CUST SERVICE	CD11	10	375	1	407	381	379	101.1
SGRD7	CUST SERVICE	CD11	10	375	1	258	299	339	90.4
SGRD8	SUNDAE	CD20	12	600	1	569	588	602	100.3
SGRD9	OFFICE	CD10	8	250	1	230	218	227	90.8
SGRD10	ENTRY	CD10	8	250	1	273	281	272	108.8
SGRD11	DRINKS	CD17	10	350	1	391	355	349	99.7
SGRD12	DINING	CD10	8	250	1	215	223	235	94.0
SGRD13	DINING	CD10	8	250	1	258	260	268	107.2
SGRD14	DINING	CD10	8	250	1	276	256	273	109.2
SGRD15	DINING	CD11	10	375	1	429	401	373	99.5
SGRD16	DINING	CD10	8	250	1	221	233	243	97.2
SGRD17	DINING	CD11	10	375	1	405	388	351	93.6
SGRD18	DINING	CD10	8	250	1	259	261	263	105.2
SGRD19	DINING	CD10	8	250	1	241	255	256	102.4
SGRD20	DINING	CD10	8	250	1	264	256	272	108.8
SGRD21	VESTIBULE	CD15	8	150	1	216	194	138	92.0
Total				6450		6647	6511	6466	100.25%

National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: AHU/RTU

Asset: RTU-2 AREA:KITCHEN

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Serial Num	-	7511080
Model Num	CAS-HVAC3-I.400-24-20T	CAS-HVAC3-I.400-24-20T
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	4
OA Filter Size 1	-	16”x25”x2”
Num Final Filter 1	-	8
Final Filter Size 1	-	20”x25”x2”

Motor Data		
	Design	**Actual**
Motor MFG	-	NEMA
Frame	-	215T
Horsepower	10.00	10.00
Motor Rpm	-	1755
Phase	3	3
Rated Voltage	208	230
Rated Amperage	-	24.3

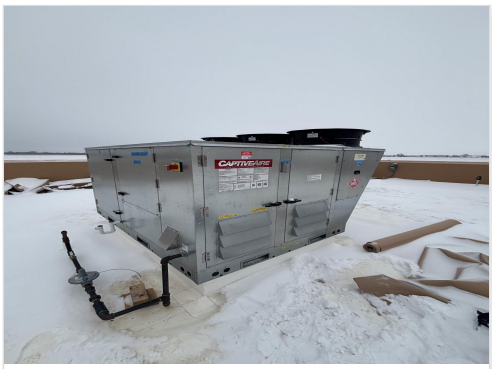
Test Data		
	Design	**Actual**
SF CFM	6300	6193
RA CFM	3900	3726
OA CFM	2400	2467
RL Voltage	-	188 VFD
RL Amperage	-	24.0 VFD
SF Rotation	-	CCW CORRECT
SF System SetPt	-	56 HZ
RA Damper Position	-	MECHANICALLY LINKED
Min OA Damper Position	-	4.2 VDC
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.23”
Fan Suction SP	-	-1.89”
Fan Discharge SP	-	0.55”
Total ESP	0.75"	0.78”
Fan Total SP	-	2.44”

General	
	Actual
Fan Rotation Correct	YES
Unit Filters Clean	YES
Condensate Drain Installed	YES

Completed By: Corey Dick on 01/22/2026

Unit Data - PHOTO LOG



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Diffuser Supply (GRD)

RTU-2/KITCHEN

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1	SUNDAE	CD20	12	600	1	482	521	541	90.2
SGRD2	KITCHEN	CD20	12	600	1	432	514	540	90.0
SGRD3	KITCHEN	CD28	10	300	1	309	328	289	96.3
SGRD4	KITCHEN	CD25	12	400	1	456	376	395	98.8
SGRD5	KITCHEN	CD25	12	400	1	412	384	398	99.5
SGRD6	KITCHEN	CD25	12	400	1	392	388	403	100.8
SGRD7	KITCHEN	CD28	10	300	1	395	290	292	97.3
SGRD8	KITCHEN	CD28	10	300	1	320	274	289	96.3
SGRD9	ICE MACHINE	CD23	8	200	1	231	204	207	103.5
SGRD10	KITCHEN	CD21	12	350	1	476	379	373	106.6
SGRD11	DISH WASH	CD21	12	350	1	239	363	373	106.6
SGRD12	KITCHEN	CD21	12	350	1	343	367	376	107.4
SGRD13	DRY GOODS	WD20	24X12	450	1	480	462	455	101.1
SGRD14	DRY GOODS	WD20	24X12	450	1	487	416	419	93.1
SGRD15	BACK KITCHEN	CD16	12	450	1	336	461	442	98.2
SGRD16	UTILITY ROOM	CD29	12	400	1	403	423	401	100.3
Total				6300		6193	6150	6193	98.3%

National TAB

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System/Unit: FAN - Exhaust

Asset: EF-1 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	CFA 100CA	CFA 100CA
Serial Num	-	7511080
Type	INLINE	INLINE
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Horsepower	0.116	0.116
Phase	1	1
Voltage (rated)	115	115

Test Data		
	Design	**Actual**
CFM	75	70
System SetPt	-	SINGLE SPEED

Completed By: Corey Dick on 01/21/2026

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Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: FAN - Exhaust

Asset: PRV-1 AREA:RESTROOM

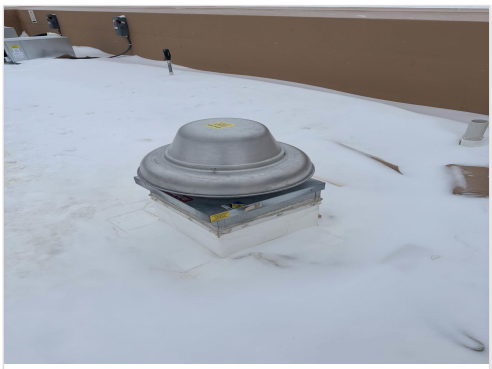
Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DR12HFA	DR12HFA
Serial Num	-	7511080
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTCAL	VERTICAL

Motor Data		
	Design	**Actual**
Horsepower	0.25	0.25
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.9

Test Data		
	Design	**Actual**
CFM	300	294
Fan RPM	-	720
Fan Rotation	-	CCW CORRECT
Motor RPM	-	720
System SetPt	-	40%
RL Voltage	-	INACCESSIBLE
RL Amperage	-	INACCESSIBLE
Total ESP	0.50"	0.04”
Fan Inlet SP	-	-0.04”
Fan Discharge SP	-	ATM

Completed By: Corey Dick on 01/21/2026

Unit Data - PHOTO LOG



01/22/2026

National TAB

Project:01-19-26 Culvers - Dundee, MI (DOAS, TAB)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

PRV-1/RESTROOM

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	MENS RR	EG2	8	150	1	223	134	151	100.7
EGRD2	RESTROOM	EG1	8	75	1	180	102	74	98.7
EGRD3	WOMENS RR	EG1	8	75	1	180	99	69	92.0
Total				300		583	335	294	98%

National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: FAN - Exhaust

Asset: PRV-2 AREA:

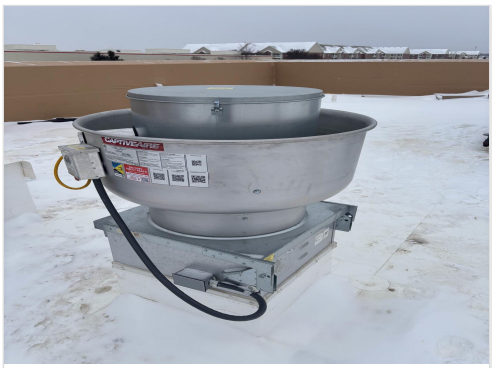
Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	7511080
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Horsepower	1.00	1.00
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.6

Test Data		
	Design	**Actual**
CFM	1500	1555
Fan RPM	-	1080
Fan Rotation	-	CCW CORRECT
Motor RPM	-	1080
System SetPt	-	56%
RL Voltage	-	122
RL Amperage	-	3.8
Total ESP	1.412"	0.99”
Fan Inlet SP	-	-0.99”
Fan Discharge SP	-	ATM

Completed By: Corey Dick on 01/21/2026

Unit Data - PHOTO LOG



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National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: FAN - Exhaust

Asset: PRV-3 AREA:

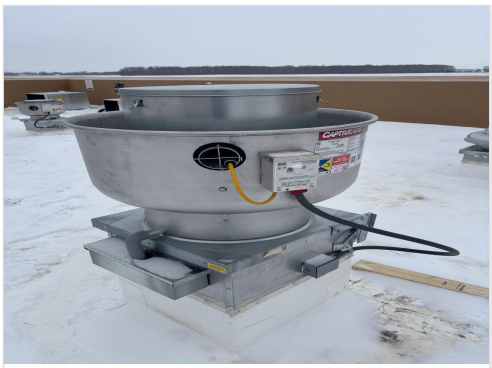
Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	7511080
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Horsepower	1.00	1.00
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	11.6

Test Data		
	Design	**Actual**
CFM	1500	1535
Fan RPM	-	1134
Fan Rotation	-	CCW CORRECT
Motor RPM	-	1134
System SetPt	-	59%
RL Voltage	-	123
RL Amperage	-	4.6
Total ESP	1.25"	1.16”
Fan Inlet SP	-	-1.16”
Fan Discharge SP	-	ATM

Completed By: Corey Dick on 01/21/2026

Unit Data - PHOTO LOG



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National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: FAN - Exhaust

Asset: PRV-4 AREA:

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU12HFA	DU12HFA
Serial Num	-	7511080
Type	UPBLAST	UPBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	**Actual**
Horsepower	0.25	0.25
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.9

Test Data		
	Design	**Actual**
CFM	350	379
Fan RPM	-	823
Fan Rotation	-	CCW CORRECT
Motor RPM	-	822
System SetPt	-	44%
RL Voltage	-	123
RL Amperage	-	0.35
Total ESP	0.25"	0.12”
Fan Inlet SP	-	-0.12”
Fan Discharge SP	-	ATM

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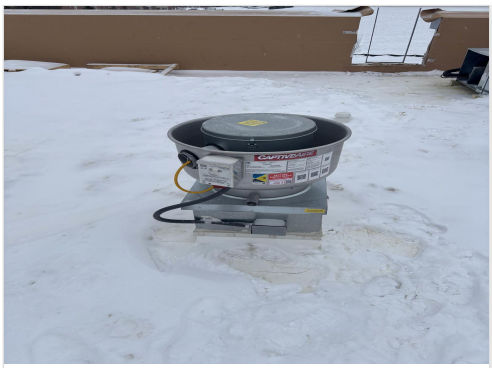
Unit Data - PHOTO LOG



01/22/2026

National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: Kitchen Hood Type I

Asset: HD-1 AREA:FRYER

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	3347BD-2	3347BD-2
Job / Serial Num	-	7511080
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	84"	84”
Hood Width	33"	33”

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO FILTER	CAPTRATE SOLO FILTER
Filter Size 1	16X16	16x16
Filter Qty 1	5	5
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	8.1	8.1
Filter1 FPM	-	184
Filter2 FPM	-	186
Filter3 FPM	-	201
Filter4 FPM	-	203
Filter5 FPM	-	187
Filter Ave FPM(corr)	-	192
CFM	1500	1555

Cooking Equipment	
	Actual
Item 1	FRYER

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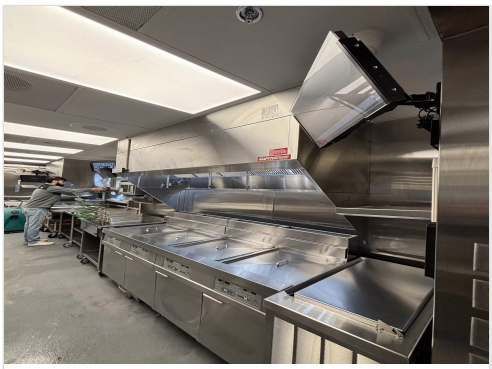
Unit Data - PHOTO LOG



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National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: Kitchen Hood Type I

Asset: HD-2 AREA:GRIDDLE HOOD

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	3347BD-2	3347BD-2
Job / Serial Num	-	7511080
Type	TYPE I CANOPY	TYPE I CANOPY
Hood length	66"	66”
Hood Width	33"	33”

Test Data Exhaust		
	Design	**Actual**
Filter Type	CAPTRATE SOLO FILTER	CAPTRATE SOLO FILTER
Filter Size 1	16X16	16x16
Filter Qty 1	4	4
Filter AK factor size 1	1.62	1.62
Filter Total AK Area	6.48	6.48
Filter1 FPM	-	237
Filter2 FPM	-	233
Filter3 FPM	-	233
Filter4 FPM	-	245
Filter Ave FPM(corr)	-	237
CFM	1500	1535

Cooking Equipment	
	Actual
Item 1	GRIDDLE

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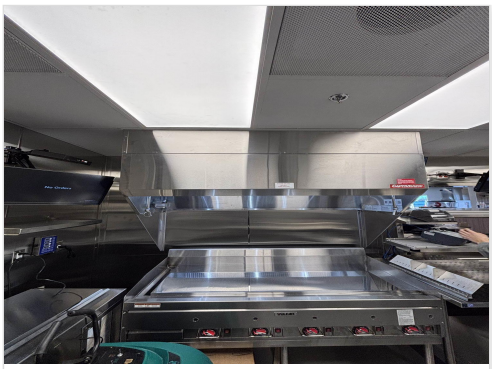
Unit Data - PHOTO LOG



01/22/2026

National TAB

Project: 01-19-26 Culvers - Dundee, MI (DOAS, TAB)

System/Unit: Kitchen Hood Type II

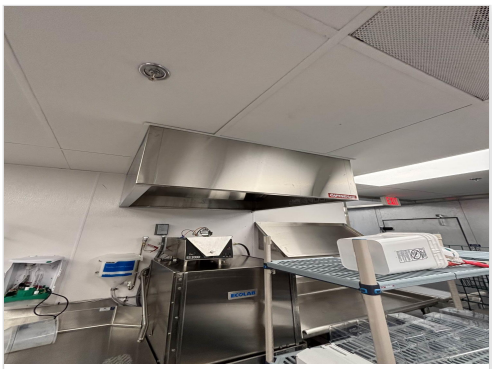
Asset: HD-3 AREA:DISH HOOD

Unit Data		
	Design	**Actual**
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	4224VHB-G-ND-REM1	4224VHB-G-ND-REM1
Serial Num	-	7511080
Type	TYPE II CANOPY	TYPE II CANOPY
Hood length	42"	42”
Hood Width	42"	42”

Test Data		
	Design	**Actual**
Exhaust CFM	350	379

Completed By: Corey Dick on 01/21/2026

Unit Data - PHOTO LOG



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