

Report By:

National TAB
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Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 02/02/2024

PROJECT
02-05-24 PERRY'S - VERNON HILLS, IL

122 HAWTHORN CENTER

VERNON HILLS, IL 60061

Client

Air Supply HVAC
8N450 TAMLING CT
UNIT B
BARTLETT, IL 60103

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

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- TECH - STEP 5: FINAL DOCUMENTATION

RTU-7

Comment:

RTU-8

Comment:

RTU-9

Comment:

RTU-10

Comment:

RTU-11

Comment:

RTU-12

Comment:

RTU-13

Comment:

RTU-14

Comment:

RTU-15

Comment:

RTU-16

Comment:

RTU-17

Comment:

RTU-18

Comment:

RTU-19

Comment:

RTU-20

Comment:

MAU-1

Comment:

MAU-2

Comment:

EF-1

Comment:

EF-2

Comment:

EF-3

Comment:

EF-4

Comment:

EF-5

Comment:

EF-6

Comment:

EF-7

Comment:

EF-8

Comment:

EF-9

Comment:

EF-10

Comment:

HOOD-1

Comment:

HOOD-2

Comment:

HOOD-3

Comment:

HOOD-4

Comment:

HOOD-5

Comment:



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CheckList Information

Name : TECH - STEP 1: INITIAL SITE WALKTHROUGH **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/24/2024 - Brian Turnbough - National TAB

CheckList Item Details

INITIAL SITE WALKTHROUGH

All diffusers and grilles are installed and match design?

Comment:

All hood filters installed and accounted for?

Comment:

Hoods are wired and have power?

Comment:

Hood is free of alarms?

Comment:

Thermostats have power?

Comment:

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

Comment:



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CheckList Information

Name : TECH - STEP 2: UNIT DATA AND EVAL **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/24/2024 - Brian Turnbough - 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?

Comment:

DCV Max damper opening position is set to minimum?

Comment:

Free cooling enthalpy set point set for lowest setting (Typically "D")

Comment:

Motors are all operating below the FLA rating?

Comment:

Are belts tight?

Comment:

If direct drive unit is the speed controller working.

Comment:

Is gas piping installed and valves turned on?

Comment:

Unit free of noticeable noise and vibration

Comment:

EF's

Rotation is correct?

Comment:

Belts are tight?

Comment:

Grease cup installed on hood fan?

Comment:

Hinge kit installed installed on hood fan?

Comment:

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

Comment:

Flex conduit is long enough so that fan can be completely tilted back?

Comment:

There is no major leakage around base of fan?

Comment:

Is the motor operating below the motor FLA rating?

Comment:

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

Comment:

Unit free of noticeable noise and vibration?

Comment:

MUA

Rotation is correct?

Comment:

Gas piping is installed and valves are in on position?

Comment:

Heater tested and is functional?

Comment:

Internal motorized damper is fully opening?

Comment:

Motor is operating below the FLA rating?

Comment:

Unit free of noticeable noise and vibration?

Comment:

HOODS

Kitchen equipment installed in proper places?

Comment:

Can kitchen equipment be turned on for final smoke test?

Comment:

DOCUMENTATION

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

Comment:



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CheckList Information

Name : TECH - STEP 3: TEST, ADJUST AND BALANCE **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/24/2024 - Brian Turnbough - National TAB

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:

DURING TESTING MAKE NOTE OF THE FOLLOWING:

Is space free of drafting?

Comment:

Is space comfortable in all areas?

Comment:

Is the space free of ventilation noise?

Comment:

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

Comment:



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CheckList Information

Name : TECH - STEP 4: FINAL TESTS **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/24/2024 - Brian Turnbough - National TAB

CheckList Item Details

FINAL TESTS

HOOD CAPTURE TEST

List equipment turned on for testing

Comment:

List smoke candle type used

Comment:

Smoke test capture - Perimeter of hood

Comment:

Smoke test capture - Top of cooking surface

Comment:

WITNESS

Date test was completed

Comment:

TAB tech name / Firm

Comment:

Site super name / Firm

Comment:

Owner representative name / Firm (if Applicable)

Comment:

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

Comment:

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:

Thermostats are programmed?

Comment:



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CheckList Information

Name : TECH - STEP 5: FINAL DOCUMENTATION **Status :** Not Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 01/24/2024 - Brian Turnbough - National TAB

CheckList Item Details

FINAL DOCUMENTATION

Marked Data capture complete for all assets?

Comment:

Picture file sent to processing team or uploaded?

Comment:

Balance schedule complete and uploaded?

Comment:

Prelim report generated and reviewed?

Comment:

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Project: 02-05-24 PERRY'S - VERNON HILLS, IL



System/Unit: AHU/RTU

Asset: RTU11

AREA: SCULLERY/RR/OFFICES/PREP/STORAGE/DELIVERY

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHD180	YHD180
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	4800	
SF RPM	-	
RA CFM	3925	
OA CFM	875	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	408	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.00	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

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Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU11/SCULLERY/RR/OFFICES/PREP/STORAGE/DELIVERY

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU11-SGRD1	CHAIR STORAGE	SD-4	6"	100					-
RTU11-SGRD2	PREP	SD-1	10"	325					-
RTU11-SGRD3	PREP	SD-1	12"	325					-
RTU11-SGRD4	PREP	SD-1	12"	325					-
RTU11-SGRD5	PREP	SD-1	12"	325					-
RTU11-SGRD6	PREP	SD-1	12"	325					-
RTU11-SGRD7	PREP	SD-3	10X12	300					-
RTU11-SGRD8	PREP	SD-1	12"	325					-
RTU11-SGRD9	PREP	SD-1	12"	325					-
RTU11-SGRD10	COOLER I	SD-1	12"	325					-
RTU11-SGRD11	PREP	SD-1	10"	325					-
RTU11-SGRD12	SCULLERY	SD-1	10"	325					-
RTU11-SGRD13	SCULLERY	SD-1	12"	325					-
RTU11-SGRD14	UNISEX TOILET	SD-4	6"	25					-
RTU11-SGRD15	OFFICE I	SD-5	10"	250					-
RTU11-SGRD16	OFFICE II	SD-5	10"	250					-
RTU11-SGRD17	DELIVERY	SD-1	10"	300					-
Total				4800		0	0	0	0%

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Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU12

AREA:SERVICE

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHD150	YHD150
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	4800	
SF RPM	-	
RA CFM	3925	
OA CFM	875	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.00"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

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AHU/RTU



Diffuser Supply (GRD)

RTU12/SERVICE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU12-SGRD1	BUSSER/BREA D	SD-1	12"	375					-
RTU12-SGRD2	SERVICE	SD-1	12"	425					-
RTU12-SGRD3	SERVICE	SD-1	12"	475					-
RTU12-SGRD4	SERVICE	SD-1	12"	475					-
RTU12-SGRD5	SERVICE	SD-1	12"	475					-
RTU12-SGRD6	SERVICE	SD-1	12"	475					-
RTU12-SGRD7	SERVICE	SD-1	12"	475					-
RTU12-SGRD8	SERVICE	SD-1	12"	475					-
RTU12-SGRD9	SERVICE	SD-1	12"	350					-
RTU12-SGRD10	SERVICE BAR	SD-1	12"	375					-
RTU12-SGRD11	SERVICE BAR	SD-1	12"	375					-
Total				4750		0	0	0	0%

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Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU1

AREA:ENTRY/HOST/LOBBY

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHC060	YHC060
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	1600	
SF RPM	-	
RA CFM	1400	
OA CFM	200	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

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Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU1/ENTRY/HOST/LOBBY

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU1-SGRD1	LOBBY	PSD-1	8"	200					-
RTU1-SGRD2	LOBBY	PSD-1	8"	200					-
RTU1-SGRD3	VESTIBULE	PSD-1	8"	150					-
RTU1-SGRD4	VESTIBULE	PSD-1	8"	150					-
RTU1-SGRD5	HOST	PSD-1	8"	200					-
RTU1-SGRD6	HOST	PSD-1	8"	75					-
RTU1-SGRD7	HOST	PSD-1	8"	200					-
RTU1-SGRD8	HOST	PSD-1	8"	150					-
RTU1-SGRD9	HOST	PSD-1	8"	125					-
RTU1-SGRD10	HOST	PSD-1	8"	150					-
Total				1600		0	0	0	0%

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Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU2

AREA:BAR DINING

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHD150	YHD150
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	4000	
SF RPM	-	
RA CFM	3240	
OA CFM	760	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

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Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU2/BAR DINING

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU2-SGRD1	BAR DINING	PSD-3	12"	575					-
RTU2-SGRD2	BAR DINING	PSD-3	12"	570					-
RTU2-SGRD3	BAR DINING	PSD-3	12"	570					-
RTU2-SGRD4	BAR DINING	PSD-3	12"	570					-
RTU2-SGRD5	BAR DINING	PSD-3	12"	570					-
RTU2-SGRD6	BAR DINING	PSD-3	12"	570					-
RTU2-SGRD7	BAR DINING	PSD-3	12"	575					-
Total				4000		0	0	0	0%

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Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU3

AREA:BAR

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHC048	YHC048
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

Test Data		
	Design	Actual
SF CFM	1280	
SF RPM	-	
RA CFM	1080	
OA CFM	200	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

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Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU3/BAR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU3-SGRD1	BAR	PSD-1	8"	140					-
RTU3-SGRD2	BAR	PSD-1	8"	140					-
RTU3-SGRD3	BAR	PSD-2	8"	100					-
RTU3-SGRD4	BAR	PSD-1	8"	140					-
RTU3-SGRD5	BAR	PSD-1	8"	140					-
RTU3-SGRD6	BAR	PSD-2	8"	100					-
RTU3-SGRD7	BAR	PSD-1	8"	140					-
RTU3-SGRD8	BAR	PSD-2	8"	100					-
RTU3-SGRD9	BAR	PSD-1	8"	140					-
RTU3-SGRD10	BAR	PSD-1	8"	140					-
Total				1280		0	0	0	0%

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Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU4

AREA:WOMENS RR

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	4YCC4030	4YCC4030
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	600	
SF RPM	-	
RA CFM	450	
OA CFM	150	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.33	
Motor Rpm	-	
Phase	1	
Rated Voltage	208	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

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Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU4/WOMENS RR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU4-SGRD1	WOMENS RR	PSD-1	8"	150					-
RTU4-SGRD2	MENS RR	PSD-1	8"	150					-
RTU4-SGRD3	MENS RR	PSD-1	8"	150					-
RTU4-SGRD4	MENS RR	PSD-1	8"	150					-
Total				600		0	0	0	0%

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Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU5

AREA:PRIVATE DINING I

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHC037	YHC037
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	960	
SF RPM	-	
RA CFM	760	
OA CFM	200	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.75	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

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AHU/RTU



Diffuser Supply (GRD)

RTU5/PRIVATE DINING I

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU5-SGRD1	PRIVATE DINING I	PSD-1	8"	120					-
RTU5-SGRD2	PRIVATE DINING I	PSD-1	8"	120					-
RTU5-SGRD3	PRIVATE DINING I	PSD-1	8"	120					-
RTU5-SGRD4	PRIVATE DINING I	PSD-1	8"	120					-
RTU5-SGRD5	PRIVATE DINING I	PSD-1	8"	120					-
RTU5-SGRD6	PRIVATE DINING I	PSD-1	8"	120					-
RTU5-SGRD7	PRIVATE DINING I	PSD-1	8"	120					-
RTU5-SGRD8	PRIVATE DINING I	PSD-1	8"	120					-
RTU5-SGRD9	PRIVATE DINING I	PSD-1	8"	120					-
Total				1080		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU6

AREA:PRIVATE DINING II

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHC092	YHC092
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	2400	
SF RPM	-	
RA CFM	1990	
OA CFM	410	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU6/PRIVATE DINING II

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU6-SGRD1	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD2	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD3	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD4	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD5	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD6	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD7	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD8	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD9	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD10	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD11	PRIVATE DINING II	PSD-1	8"	200					-
RTU6-SGRD12	PRIVATE DINING II	PSD-1	8"	200					-
Total				2400		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU7

AREA:PRIVATE DINING III

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHC092	YHC092
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	2400	
SF RPM	-	
RA CFM	1880	
OA CFM	520	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.75	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU7/PRIVATE DINING III

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU7-SGRD1	PRIVATE DINING III	PSD-1							
RTU7-SGRD2	PRIVATE DINING III	PSD-1							
RTU7-SGRD3	PRIVATE DINING III	PSD-1							
RTU7-SGRD4	PRIVATE DINING III	PSD-2							
RTU7-SGRD5	PRIVATE DINING III	PSD-1							
RTU7-SGRD6	PRIVATE DINING III	PSD-1							
RTU7-SGRD7	PRIVATE DINING III	PSD-1							
RTU7-SGRD8	PRIVATE DINING III	SD-1							
RTU7-SGRD9	PRIVATE DINING III	PSD-1							
RTU7-SGRD10	PRIVATE DINING III	PSD-1							
RTU7-SGRD11	PRIVATE DINING III	PSD-1							
RTU7-SGRD12	PRIVATE DINING III	PSD-2							
RTU7-SGRD13	PRIVATE DINING III	PSD-1							
RTU7-SGRD14	PRIVATE DINING III	PSD-1							
RTU7-SGRD15	PRIVATE DINING III	PSD-1							
RTU7-SGRD16	PRIVATE DINING III	PSD-2							
Total				0		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU8

AREA:MAIN DINING II

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHC120	YHC120
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	3200	
SF RPM	-	
RA CFM	2160	
OA CFM	1040	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.75	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU8/MAIN DINING II

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU8-SGRD1	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD2	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD3	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD4	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD5	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD6	MAIN DINING II	PSD-2	8"	100					-
RTU8-SGRD7	MAIN DINING II	PSD-1	8"	130					-
RTU8-SGRD8	MAIN DINING II	PSD-1	8"	130					-
RTU8-SGRD9	MAIN DINING II	PSD-1	8"	170					-
RTU8-SGRD10	MAIN DINING II	PSD-1	8"	170					-
RTU8-SGRD11	MAIN DINING II	PSD-2	8"	100					-
RTU8-SGRD12	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD13	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD14	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD15	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD16	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD17	MAIN DINING II	PSD-1	8"	200					-
RTU8-SGRD18	MAIN DINING II	PSD-1	8"	200					-
Total				3200		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU9

AREA:MAIN DINING I

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHD150	YHD150
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	4000	
SF RPM	-	
RA CFM	3160	
OA CFM	840	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	3.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU9/MAIN DINING I

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU9-SGRD1	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD2	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD3	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD4	MAIN DINING I	PSD-1	8"	200					-
RTU9-SGRD5	MAIN DINING I	PSD-2	6"	85					-
RTU9-SGRD6	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD7	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD8	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD9	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD10	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD11	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD12	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD13	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD14	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD15	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD16	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD17	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD18	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD19	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD20	MAIN DINING I	PSD-2	8"	115					-
RTU9-SGRD21	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD22	MAIN DINING I	PSD-1	8"	180					-
RTU9-SGRD23	MAIN DINING I	PSD-1	8"	180					-
Total				4000		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU10

AREA:ROOM 79

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHC092	YHC092
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	2400	
SF RPM	-	
RA CFM	2185	
OA CFM	215	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU10/ROOM 79

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU10-SGRD1	ROOM 79	PSD-1	8"	190					-
RTU10-SGRD2	ROOM 79	PSD-1	8"	190					-
RTU10-SGRD3	ROOM 79	PSD-1	8"	205					-
RTU10-SGRD4	ROOM 79	PSD-1	8"	205					-
RTU10-SGRD5	ROOM 79	PSD-1	8"	205					-
RTU10-SGRD6	ROOM 79	PSD-1	8"	205					-
RTU10-SGRD7	ROOM 79	PSD-1	8"	205					-
RTU10-SGRD8	ROOM 79	PSD-1	8"	205					-
RTU10-SGRD9	ROOM 79	PSD-1	8"	205					-
RTU10-SGRD10	ROOM 79	PSD-1	8"	205					-
RTU10-SGRD11	ROOM 79	PSD-1	8"	190					-
RTU10-SGRD12	ROOM 79	PSD-1	8"	190					-
Total				2400		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: AHU/RTU



Asset: RTU13

AREA:BAR

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	YHC102	YHC102
Type	RTU	
Configuration	VERTICAL	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Test Data		
	Design	Actual
SF CFM	2720	
SF RPM	-	
RA CFM	2260	
OA CFM	480	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
OA Enthalpy Setpt	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.00	
Motor Rpm	-	
Phase	3	
Rated Voltage	480	
Rated Amperage	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.75"	
Fan Total SP	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	
Motor Bore Size	-	
Motor Sheave SetPt	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	
Belt Alignment	-	

General		
	Design	Actual
Fan Rotation Correct	-	
Unit Filters Clean	-	
Condensate Drain Installed	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

AHU/RTU



Diffuser Supply (GRD)

RTU13/BAR

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU13-SGRD1	BAR	PSD-1	8"	165					-
RTU13-SGRD2	BAR	PSD-1	8"	165					-
RTU13-SGRD3	BAR	PSD-1	8"	165					-
RTU13-SGRD4	BAR	PSD-4	8"	150					-
RTU13-SGRD5	BAR	PSD-1	8"	200					-
RTU13-SGRD6	BAR	PSD-1	8"	200					-
RTU13-SGRD7	BAR	PSD-1	8"	200					-
RTU13-SGRD8	BAR	PSD-1	8"	200					-
RTU13-SGRD9	BAR	PSD-1	8"	200					-
RTU13-SGRD10	BAR	PSD-1	8"	200					-
RTU13-SGRD11	BAR	PSD-1	8"	200					-
RTU13-SGRD12	BAR	PSD-1	8"	160					-
RTU13-SGRD13	BAR	PSD-1	8"	170					-
RTU13-SGRD14	BAR	PSD-1	8"	170					-
RTU13-SGRD15	BAR	PSD-1	8"	170					-
Total				2715		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: EF2

AREA:DISHWASHER

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU33HFA	DU33HFA
Serial Num	-	
Type	UPBLAST/CEILING	
Configuration	Vertical	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.33	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	600	
Fan RPM	1227	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.4"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: EF3

AREA:MOP

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DR10HFA	DR10HFA
Serial Num	-	
Type	DOWNBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.17	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	100	
Fan RPM	1124	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.3"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: EF4

AREA:TOILET

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DR10HFA	DR10HFA
Serial Num	-	
Type	DOWNBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.17"	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	75	
Fan RPM	1087	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.3"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: EF5

AREA:SMOKER

Unit Data		
	Design	Actual
MFG	ENERVEX	ENERVEX
Model Num	GSV014	GSV014
Serial Num	-	
Type	DOWNBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.25	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1000	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.5"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: KEF1

AREA:EXH-L

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	
Type	UPBLAST/CEILING	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.750	
Motor Rpm	-	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1311	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.500"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: KEF2

AREA:EXH-M

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	
Type	UPBLAST/CEILING	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	1.000	
Motor Rpm	-	
Phase	1	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	2288	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.200"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: KEF3

AREA:EXH-R

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU85HFA	DU85HFA
Serial Num	-	
Type	UPBLAST/CEILING	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.750"	
Motor Rpm	-	
Phase	1	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1779	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.300"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: KEF4

AREA:PREP

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DU180HFA	DU180HFA
Serial Num	-	
Type	UPBLAST/CEILING	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.000	
Motor Rpm	1255	
Phase	3	
Voltage (rated)	208	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	1800	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	1.900"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RR

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	DR33HFA	DR33HFA
Serial Num	-	
Type	DOWNBLAST	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.33	
Motor Rpm	-	
Phase	1	
Voltage (rated)	120	
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	Actual
CFM	600	
Fan RPM	1227	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	0.4"	
Fan Inlet SP	-	
Fan Discharge SP	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: FAN - Supply



Asset: MAU1

AREA:HOOD 1-3

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	CASRTU3-I.400-18-20T	CASRTU3-I.400-18-20T
Serial Num	-	
Type	MUA	
Configuration	VERTICAL	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	2.000	
Motor Rpm	-	
Phase	3	
Voltage (rated)	460	
Amperage (rated)	-	
Service Factor	-	

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

Test Data		
	Design	Actual
CFM	3000	
SF RPM	-	
Motor RPM	-	
SF System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Discharge SP	-	

General		
	Design	Actual
Fan Rotation Correct	-	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Fan Coil



Asset: WC1

AREA:WC 1

Unit Data		
	Design	Actual
MFG	WHISPER KOOL	WHISPER KOOL
Model Num	QUANTUM 12000	QUANTUM 12000
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	1.50	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	810	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

Fan Coil



Diffuser Supply (GRD)

WC1/WC 1

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
WC1-SGRD1	WE1	SD-2	14"	810					-
Total				810		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Fan Coil



Asset: WC2

AREA:WC 2

Unit Data		
	Design	Actual
MFG	WHISPER KOOL	WHISPER KOOL
Model Num	QUANTUM 12000	QUANTUM 12000
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	1.50	
Phase	1	
Voltage (rated)	115	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	810	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

Fan Coil



Diffuser Supply (GRD)

WC2/WC 2

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
WC2-SGRD1	WE2	SD-2	14"	810					-
Total				810		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Fan Coil



Asset: WC3

AREA:WC 3

Unit Data		
	Design	Actual
MFG	WHISPER KOOL	WHISPER KOOL
Model Num	QUANTUM 9000	QUANTUM 9000
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	1.50	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	810	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

Fan Coil



Diffuser Supply (GRD)

WC3/WC 3

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
WC3-SGRD1	WE3	SD-2	14"	810					-
Total				810		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Fan Coil



Asset: WC4

AREA:WC 4

Unit Data		
	Design	Actual
MFG	WHISPER KOOL	WHISPER KOOL
Model Num	QUANTUM 9000	QUANTUM 9000
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	1.50	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	810	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

Fan Coil



Diffuser Supply (GRD)

WC4/WC 4

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
WC4-SGRD1	WE4	SD-2	14"	810					-
Total				810		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Fan Coil



Asset: WC5

AREA:WC 5

Unit Data		
	Design	Actual
MFG	WHISPER KOOL	WHISPER KOOL
Model Num	QUANTUM 9000	QUANTUM 9000
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	1.50	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	810	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

Fan Coil



Diffuser Supply (GRD)

WC5/WC 5

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
WC5-SGRD1	WE5	SD-2	810						
Total				0		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Fan Coil



Asset: WC6

AREA:WC 6

Unit Data		
	Design	Actual
MFG	WHISPER KOOL	WHISPER KOOL
Model Num	QUANTUM 9000	QUANTUM 9000
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	1.50	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	810	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

Fan Coil



Diffuser Supply (GRD)

WC6/WC 6

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
WC6-SGRD1	WE6	SD-2	810						
Total				0		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Fan Coil



Asset: WC7

AREA:WC 7

Unit Data		
	Design	Actual
MFG	WHISPER KOOL	WHISPER KOOL
Model Num	QUANTUM 9000	QUANTUM 9000
Serial Num	-	
Configuration	HORIZONTAL	

Motor Data		
	Design	Actual
Horsepower	1.50	
Phase	-	
Voltage (rated)	-	
Amperage (rated)	-	

Test Data		
	Design	Actual
SFAN CFM	810	
Motor Speed SetPt	-	
RL Voltage	-	
RL Amperage	-	
RA CFM	-	
OA CFM	-	

Performance Data		
	Design	Actual
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	

National TAB

Project:02-05-24 PERRY'S - VERNON HILLS, IL

Fan Coil



Diffuser Supply (GRD)

WC7/WC 7

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
WC7-SGRD1	WE7	SD-2	14"	810					-
Total				810		0	0	0	0%

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Kitchen Hood Type I



Asset: HD1

AREA:EXH-L

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6030 ND-2-PSP-F	6030 ND-2-PSP-F
Job / Serial Num	-	
Type	TYPE 1 CANOPY	
Hood length	69"	
Hood Width	60"	
Supply Plenum Type	-	
Supply Plenum Width	9"	
Supply Plenum Length	70"	

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO FILTER	
Filter Size 1	20X16	
Filter Qty 1	4	
Filter AK factor size 1	2.08	
Filter Total AK Area	8.32	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	1311	

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	Actual
Total AK Area	4.375	
Kv factor (Vel)	0.81	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	1311	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Kitchen Hood Type I



Asset: HD2

AREA:EXH-M

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6030 ND-2-PSP-F	6030 ND-2-PSP-F
Job / Serial Num	-	-
Type	TYPE 1 CANOPY	
Hood length	120"	
Hood Width	60"	
Supply Plenum Type	-	
Supply Plenum Width	9"	
Supply Plenum Length	120*	

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO FILTER	
Filter Size 1	20X16	
Filter Qty 1	7	
Filter AK factor size 1	2.08	
Filter Total AK Area	14.56	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	2250	

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	Actual
Total AK Area	7.5	
Kv factor (Vel)	0.81	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	2250	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Kitchen Hood Type I



Asset: HD3

AREA:EXH-R

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6030 ND-2-PSP-F	6030 ND-2-PSP-F
Job / Serial Num	-	
Type	TYPE 1 CANOPY	
Hood length	124"	
Hood Width	60"	
Supply Plenum Type	-	
Supply Plenum Width	9"	
Supply Plenum Length	136"	

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO FILTER	
Filter Size 1	20X16	
Filter Qty 1	7	
Filter AK factor size 1	2.08	
Filter Total AK Area	14.56	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	1808	

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	
Item 3	-	
Item 4	-	
Item 5	-	

Test Data Supply		
	Design	Actual
Total AK Area	8.5	
Kv factor (Vel)	0.81	
Num of Readings	-	
Reading1 FPM	-	
Reading2 FPM	-	
Reading3 FPM	-	
Reading4 FPM	-	
Reading5 FPM	-	
Reading6 FPM	-	
Reading7 FPM	-	
Reading8 FPM	-	
Reading9 FPM	-	
Reading10 FPM	-	
Reading11 FPM	-	
Reading12 FPM	-	
Reading13 FPM	-	
Reading14 FPM	-	
Ave FPM(corr)	-	
CFM	1808	

National TAB

Project: 02-05-24 PERRY'S - VERNON HILLS, IL

System/Unit: Kitchen Hood Type I



Asset: HD4

AREA:PREP

Unit Data		
	Design	Actual
MFG	CAPTIVEAIRE	CAPTIVEAIRE
Model Num	6030 ND-2	6030 ND-2
Job / Serial Num	-	
Type	TYPE 1 CANOPY	
Hood length	142"	
Hood Width	60"	

Test Data Exhaust		
	Design	Actual
Filter Type	CAPTRATE SOLO FILTER	
Filter Size 1	20X16	
Filter Qty 1	8	
Filter AK factor size 1	2.08	
Filter Total AK Area	16.64	
Filter1 FPM	-	
Filter2 FPM	-	
Filter3 FPM	-	
Filter4 FPM	-	
Filter5 FPM	-	
Filter6 FPM	-	
Filter7 FPM	-	
Filter8 FPM	-	
Filter9 FPM	-	
Filter10 FPM	-	
Filter11 FPM	-	
Filter12 FPM	-	
Filter Ave FPM(corr)	-	
CFM	1800	

Cooking Equipment		
	Design	Actual
Item 1	-	
Item 2	-	

