

Report By:

National TAB
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SUITE 4210
CINCINNATI, OH 45246



Report: prelim
Function: Test, Adjust, & Balance
Date: 02/22/2024

PROJECT

Sharonville Convention Ctr (Cincinnati, OH)

11355 Chester Rd

Cincinnati, OH 45246

Client

Driekast

11290 Sebring Dr

Cincinnati, OH 45240

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Project: Sharonville Convention Ctr (Cincinnati, OH)

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Project: Sharonville Convention Ctr (Cincinnati, OH)

System/Unit: AHU-DUAL FAN



Asset: AHU-14

AREA:GALLERY 203

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	DAIKIN
Model Number	NA	OAC027GBAM
Serial Number	-	
No. Pre-Filters / Size (1)	2 / 24X24X2	
No. Pre-Filters / Size (2)	4 / 24X20X2	
No. Pre-Filters / Size (3)	2 / 24X12X2	
No. Final Filters / Size (1)	2 / 24X24X12	
No. Final Filters / Size (2)	4 / 24X20X12	
No. Final Filters / Size (3)	2 / 24X12X12	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	DAIKIN
Model Number	-	OAC027GBAM
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	3@6.0 / 2344
Rated Volts / Phase	-	480 / 3
Rated Amperage / SF	-	3@ 6.27

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	2@ 6.71 / 1312
Rated Volts / Phase	-	480 / 3
Rated Amperage / SF	-	2@ 7.04 /

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	11880	
OA CFM	3000	
Fan RPM	2344	
VFD Speed	-	
RL Voltage	480	
RL Amperage	3@ 6.27	
Motor B.H.P.	-	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	7650	
Fan RPM	1312	
VFD Speed	-	
RL Voltage	480	
RL Amperage	2@ 7.04	
Motor B.H.P.	2@ 2.58	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	5.40	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	2.50	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	2.19	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	1.50	

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Project: Sharonville Convention Ctr (Cincinnati, OH)

AHU-DUAL FAN



VAV - Single Duct

AHU-14/GALLERY 203

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
V14-01	TITUS	DESV	REHEAT	16	3000	2924	1500	1538	2819	2914	1.823
V14-02	TITUS	DESV	REHEAT	10	760	792	370	388	601	630	2.826
V14-03	TITUS	DESV	REHEAT	16	2500	2449	1250	1213	1250	1277	2.158
V14-04	TITUS	DESV	REHEAT	10	1000	1020	500	510	500	509	1.813
V14-05	TITUS	DESV	REHEAT	9	700	708	350	353	368	370	1.863
V14-06	TITUS	DESV	REHEAT	10	710	706	350	347	700	709	1.785
V14-07	TITUS	DESV	REHEAT	6	260	259	120	121	120	119	2.233
V14-08	TITUS	DESV	REHEAT	16	3000	2820	1500	1515	3000	2985	1.942

Diffuser Supply (GRD)

V14-01/217 HALL

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1401-1	201	ND-2	16	750	880	734	97.9
1401-2	201	ND-2	16	750	756	747	99.6
1401-3	201	ND-2	16	750	625	728	97.1
1401-4	201	ND-2	16	750	489	715	95.3
Total				3000	2750	2924	97.47%

V14-02/203

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1402-1	202	ND-1	10	380	312	390	102.6
1402-2	202	ND-1	10	380	296	402	105.8
Total				760	608	792	104.21%

V14-04/206

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1404-1	204	CD-1	12	500	526	510	102.0
1404-2	204	CD-1	12	500	520	510	102.0
Total				1000	1046	1020	102%

V14-05/206

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1405-1	206	CD-1	10	350	417	352	100.6
1405-2	206	CD-1	10	350	350	356	101.7
Total				700	767	708	101.14%

V14-06/214

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1406-1	210	CD-2	6	80	59	72	90.0
1406-2	211	CD-1	8	160	195	161	100.6
1406-3	215	CD-1	8	160	138	155	96.9
1406-4	211	CD-1	8	110	170	112	101.8
1406-5	214	CD-1	8	200	186	206	103.0
Total				710	748	706	99.44%

V14-07/213

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1407-1	213	CD-1	8	130	159	134	103.1
1407-2	213	CD-1	8	130	137	125	96.2
Total				260	296	259	99.62%

V14-08/211

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1408-1	217 HALL	ND-1	10	375	478	360	96.0
1408-2	217 HALL	ND-1	10	375	462	349	93.1
1408-3	217 HALL	ND-1	10	375	310	342	91.2
1408-4	217 HALL	ND-1	10	375	280	353	94.1
1408-5	217 HALL	ND-1	10	375	276	351	93.6
1408-6	217 HALL	ND-1	10	375	305	345	92.0
1408-7	217 HALL	ND-1	10	375	310	352	93.9
1408-8	217 HALL	ND-1	10	375	226	368	98.1
Total				3000	2647	2820	94%

V14-03/203

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	203	ND-1	10	250	197	237	94.8
SGRD3	203	ND-1	10	250	205	248	99.2
SGRD4	203	ND-1	10	250	236	255	102.0
SGRD4	203	ND-1	10	250	198	262	104.8
SGRD5	203	ND-1	10	250	209	229	91.6
SGRD5	203	ND-1	10	250	210	234	93.6
SGRD5	203	ND-1	10	250	212	239	95.6
SGRD8	203	ND-1	10	250	27	246	98.4
SGRD9	203	ND-1	10	250	216	244	97.6
SGRD10	203	ND-1	10	250	200	255	102.0
Total				2500	1910	2449	97.96%

Completed By: Nick Payne on 01/16/2024

Asset	Notes	Date	Written By
V14-06	Damper on diffuser 3 missing wing nut.	01/16/2024	Gabe Merk
V14-08	2 Diffusers not installed, airflow distributed to remaining 8 diffusers.	01/16/2024	Nick Payne

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Project: Sharonville Convention Ctr (Cincinnati, OH)

System/Unit: AHU-DUAL FAN



Asset: AHU-15

AREA:217

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	DAIKIN
Model Number	NA	OAC092GVAM
Serial Number	-	
No. Pre-Filters / Size (1)	12 / 24X24X2	
No. Pre-Filters / Size (2)	3 / 20X24X2	
No. Pre-Filters / Size (3)	-	
No. Final Filters / Size (1)	12 / 24X24X12	
No. Final Filters / Size (2)	3 / 20X24X12	
No. Final Filters / Size (3)	-	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	DAIKIN
Model Number	-	OAC092GVAM
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	5@ 6.97 / 2361
Rated Volts / Phase	-	480 / 3
Rated Amperage / SF	-	5@ 7.32 /

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	3@ 6.71 / 1561
Rated Volts / Phase	-	480 / 3
Rated Amperage / SF	-	3@ 7.04

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	15000	15462
OA CFM	10000	
Fan RPM	2361	
VFD Speed	-	47/60 HZ
RL Voltage	480	
RL Amperage	5@ 7.32	
Motor B.H.P.	5@ 4.82	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	19000	
Fan RPM	1561	
VFD Speed	-	
RL Voltage	480	
RL Amperage	3@ 7.04	
Motor B.H.P.	3@ 4.32	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Suction S.P.	-	-1.14"
Discharge S.P.	-	1.20"
Total S.P.	4.81	2.34"
Reheat Coil P.D.	-	0.09"
Chilled Water Coil P.D.	-	0.21"
Final Filters P.D.	-	0.44"
Total ESP	1.50	1.40"

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Spt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	2.94	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	1.00	

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Project: Sharonville Convention Ctr (Cincinnati, OH)

AHU-DUAL FAN



Diffuser Supply (GRD)

AHU-15/217

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
15-1	217	RD-1	18	1250	1488	1297	103.8
15-2	217	RD-1	18	1250	1555	1212	97.0
15-3	217	RD-1	18	1250	1414	1258	100.6
15-4	217	RD-1	18	1250	1625	1262	101.0
15-5	217	RD-1	18	1250	1337	1303	104.2
15-6	217	RD-1	18	1250	1233	1348	107.8
15-7	217	RD-1	18	1250	1559	1302	104.2
15-8	217	RD-1	18	1250	1216	1269	101.5
15-9	217	RD-1	18	1250	1402	1217	97.4
15-10	217	RD-1	18	1250	1495	1288	103.0
15-11	217	RD-1	18	1250	1386	1345	107.6
15-12	217	RD-1	18	1250	1277	1362	109.0
Total				15000	16987	15463	103.09%

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Project: Sharonville Convention Ctr (Cincinnati, OH)

System/Unit: AHU-DUAL FAN



Asset: AHU-16

AREA:217

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	DAIKIN
Model Number	NA	OAC095GVAM
Serial Number	-	
No. Pre-Filters / Size (1)	12 / 24X24X2	
No. Pre-Filters / Size (2)	3 / 20X24X2	
No. Pre-Filters / Size (3)	-	
No. Final Filters / Size (1)	12 / 24X24X12	
No. Final Filters / Size (2)	3 / 20X24X12	
No. Final Filters / Size (3)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	6@ 6.97 / 2332
Rated Volts / Phase	-	480 / 3
Rated Amperage / SF	-	6@ 7.32 /

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	15000	15407
OA CFM	12000	
Fan RPM	2332	
VFD Speed	-	47/60 HZ
RL Voltage	480	
RL Amperage	6@ 7.32	
Motor B.H.P.	6@ 4.63	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Suction S.P.	-	-1.16"
Discharge S.P.	-	1.66"
Total S.P.	4.83	2.82"
Reheat Coil P.D.	-	0.09"
Chilled Water Coil P.D.	-	0.21"
Final Filters P.D.	-	0.44"
Total ESP	1.50	1.94"

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	DAIKIN
Model Number	-	OAC095GVAM
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	3@ 6.71
Rated Volts / Phase	-	480 / 3
Rated Amperage / SF	-	3@ 7.04

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	22000	
Fan RPM	1672	
VFD Speed	-	
RL Voltage	480	
RL Amperage	3@ 7.04	
Motor B.H.P.	3@ 5.09	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Spt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	3.19	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	1.00	

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Project: Sharonville Convention Ctr (Cincinnati, OH)

AHU-DUAL FAN



Diffuser Supply (GRD)

AHU-16/217

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
16-1	217	RD-1	18	1250	1717	1201	96.1
16-2	217	RD-1	18	1250	1566	1297	103.8
16-3	217	RD-1	18	1250	1482	1356	108.5
16-4	217	RD-1	18	1250	1395	1294	103.5
16-5	217	RD-1	18	1250	996	1277	102.2
16-6	217	RD-1	18	1250	1550	1242	99.4
16-7	217	RD-1	18	1250	1411	1285	102.8
16-8	217	RD-1	18	1250	1274	1319	105.5
16-9	217	RD-1	18	1250	874	1211	96.9
16-10	217	RD-1	18	1250	1196	1300	104.0
16-11	217	RD-1	18	1250	1502	1346	107.7
16-12	217	RD-1	18	1250	1477	1279	102.3
Total				15000	16440	15407	102.71%

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Project: Sharonville Convention Ctr (Cincinnati, OH)

System/Unit: AHU-DUAL FAN



Asset: AHU-17

AREA:217 HALL ANTE

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	NA	DAIKIN
Model Number	NA	OAC033GVAM
Serial Number	-	FBOU220600012
No. Pre-Filters / Size (1)	2 / 24X24X2	5/20"x24"x2"
No. Pre-Filters / Size (2)	2 / 24X20X2	
No. Pre-Filters / Size (3)	2 / 24X12X2	
No. Final Filters / Size (1)	2 / 24X24X12	
No. Final Filters / Size (2)	2 / 24X20X12	
No. Final Filters / Size (3)	2 / 24X12X12	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	DAIKIN
Model Number	-	OAC033GVAM
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	3@ 4.96 / 3056
Rated Volts / Phase	-	480 / 3
Rated Amperage / SF	-	3@ 5.08 /

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	5980	
OA CFM	3000	
Fan RPM	3056	
VFD Speed	-	
RL Voltage	480	
RL Amperage	3@ 5.08	
Motor B.H.P.	3@ 3.23	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	4320	
Fan RPM	2@ 2812	
VFD Speed	-	
RL Voltage	480	
RL Amperage	2@ 5.08	
Motor B.H.P.	2@ 2.46	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	5.24	
Reheat Coil P.D.	-	
DX Coil P.D.	-	
Condenser Coil P.D.	-	
Chilled Water Coil P.D.	-	
Pre Heat Coil P.D.	-	
Final Filters P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Air Blender P.D.	-	
Total ESP	2.00	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Static Pressure Stpt	-	
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	3.31	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	1.50	

National TAB

Project: Sharonville Convention Ctr (Cincinnati, OH)

AHU-DUAL FAN



VAV - Single Duct

AHU-17/217 HALL ANTE

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
V17-01	TITUS	DESV	REHEAT	9	630		280		280		
V17-02	TITUS	DESV	REHEAT	12	955	962	540	544	540	541	1.734
V17-03	TITUS	DESV	REHEAT	7	440	475	215	214	430	432	1.892
V17-04	TITUS	DESV	REHEAT	10	940		460	464	920	921	1.828
V17-05	TITUS	DESV	REHEAT	14	1770	1763	715	714	1372	1363	1.808
V17-06	TITUS	DESV	REHEAT	14	1620	1718	780	785	1443	1457	1.970

Diffuser Supply (GRD)

V17-01/218

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1701-1	218	5' LD	8	210			-
1701-2	218	5' LD	8	210			-
1701-3	218	5' LD	8	210			-
Total				630	0	0	0%

V17-02/220

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1702-1	219	CD-1	10	295	216	288	97.6
1702-2	220	CD-1	10	275	281	293	106.5
1702-3	219	CD-1	10	275	331	282	102.5
1702-4	235	CD-1	10	110	212	99	90.0
Total				955	1040	962	100.73%

V17-03/226

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1703-1	226	CD-1	8	190	175	206	108.4
1703-2	230	CD-2	6	40	67	44	110.0
1703-3	224	CD-2	6	60	86	62	103.3
1703-4	223	SR-1	8	150	60	163	108.7
Total				440	388	475	107.95%

V17-04/218

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1704-1	217 HALL	SR-2	14	470			-
1704-2	217 HALL VEST	SR-2	14	470			-
Total				940	0	0	0%

V17-05/301

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1705-1	301	SR-1	12X8	295	297	297	100.7
1705-2	301	SR-1	12X8	295	273	273	92.5
1705-3	301	SR-1	12X8	295	286	286	96.9
1705-4	301	SR-1	12X8	295	301	301	102.0
1705-5	301	SR-1	12X8	295	289	289	98.0
1705-6	301	SR-1	12X8	295	317	317	107.5
Total				1770	1763	1763	99.6%

V17-06/301

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	301	SR	12X8	270	292	292	108.1
SGRD2	301	SR	12X8	270	298	298	110.4
SGRD3	301	SR	12X8	270	260	260	96.3
SGRD4	301	SR	12X8	270	295	295	109.3
SGRD5	301	SR	12X8	270	290	290	107.4
SGRD6	301	SR	12X8	270	283	283	104.8
Total				1620	1718	1718	106.05%

Asset	Notes	Date	Written By
V17-04	Cfmi 971	01/11/2024	Gabe Merk

National TAB

Project: Sharonville Convention Ctr (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-20

AREA:208

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	150 ACE
Serial Num	-	108SK14157-00/0000701
Type	CRE DNBLAST	DOWNBLAST

Test Data		
	Design	Actual
CFM	2530	
RL Voltage	-	120
RL Amperage	-	8.8
Total ESP	0.5	

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	48Y
Horsepower	0.75	1
Motor Rpm	-	1800
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	11.6

Notes:
Diffuser 2 in line balance damper closed and inaccessible. Sheet metal notified 1/12/23

Written By: Gabe Merk on 01/12/2024

National TAB

Project: Sharonville Convention Ctr (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-20/208

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
E20-1	ER-1	12	600		669			-
E20-2	ER-1	12	600		37			-
E20-3	ER-1	12	450		224			-
E20-4	ER-1	12	450		563			-
E20-5	ER-3	8	50		41			-
E20-6	ER-2	6	100		265			-
E20-7	ER-2	6	200		90			-
E20-8	ER-2	6	80		130			-
Total			2530		2019	0	0	0%

National TAB

Project: Sharonville Convention Ctr (Cincinnati, OH)

System/Unit: FAN - Exhaust



Asset: EF-21

AREA:RR 224

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	101 ACE 101/017DEC
Serial Num	-	108SK14157- 00/0002301
Type	-	DOWNBLAST

Test Data		
	Design	Actual
CFM	430	
RL Voltage	-	120
RL Amperage	-	
Total ESP	0.5	

Motor Data		
	Design	Actual
Motor MFG	-	COOK
Horsepower	0.25	0.25
Motor Rpm	-	1725
Phase	1	1
Voltage (rated)	120	120
Amperage (rated)	-	3.4

National TAB

Project: Sharonville Convention Ctr (Cincinnati, OH)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-21/RR 224

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
E21-1	ER-3	8X8	200					-
E21-2	ER-4	12X8	150					-
E21-3	ER-2	8	80					-
Total			430		0	0	0	0%

National TAB

Project: Sharonville Convention Ctr (Cincinnati, OH)



Circuit Setter

CHW CS/

Asset							
Asset Name	Size	Type	Design GPM	Setting	Delta P	Final GPM	% to Design
AHU-14	3	MANUAL	85.90				-
AHU-15	3	MANUAL	131.20				-
AHU-16	3	MANUAL	131.20				-
AHU-17	3	MANUAL	37.00				-
Total			385.29999999999995			0	0%

HW CS/

Asset							
Asset Name	Size	Type	Design GPM	Setting	Delta P	Final GPM	% to Design
AHU-14	1.25	MANUAL	16.60	10			-
AHU-15	2.5	MANUAL	66.50	8			-
AHU-16	2.5	MANUAL	66.50	8			-
AHU-17	1.25	MANUAL	12.10	7			-
CUH-11	0.5	MANUAL	2.7	5			-
UH-18	0.5	MANUAL	3.3	7			-
UH-19	0.5	MANUAL	3.3	6			-
UH-20	0.5	MANUAL	3.3	7			-
UH-21	0.5	MANUAL	3.3	7			-
UH-22	0.5	MANUAL	3.3	6			-
V14-01	1.25	MANUAL	6.2	10			-
V14-02	0.5	MANUAL	1	5			-
V14-03	0.5	MANUAL	4.1	10			-
V14-04	0.5	MANUAL	1.8	5	14.8 ft	1.56	88.9
V14-05	0.5	MANUAL	1.5	5	14.4 ft	1.2	80.0
V14-06	0.5	MANUAL	1.1	5			-
V14-07	0.5	MANUAL	0.3	4			-
V14-08	1.25	MANUAL	12.2	10			-
V17-01	0.5	MANUAL	0.8	5			-
V17-02	0.5	MANUAL	1.3	7			-
V17-03	0.5	MANUAL	0.8	5			-
V17-04	1"	MANUAL	4.8	5			-
V17-05	1"	MANUAL	1.7	3			-
V17-06	0.75	MANUAL	1.8	5			-
Total			220.30000000000007			2.76	1.25%

Completed By: Nick Payne on 01/17/2024