

Report By:

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Report: Balance Report
Function: Test, Adjust, & Balance
Date: 02/28/2025
Completed By: National TAB

PROJECT

Kenton County School Ops Ctr (Independence, KY)

11800 Taylor Mill Rd

Independence, KY 41051

Client

Hudson Piping Inc.

836 Walnut St.

Dayton, KY 41074

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Project: Kenton County School Ops Ctr (Independence, KY)

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Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: AHU/RTU



Asset: RTU-1

AREA:ROOF

Unit Data		
	Design	Actual
MFG	DAIKIN	DAIKIN
Serial Num	-	
Model Num	MPS050F	NAMPS050F
Configuration	ROOFTOP	
OA Filter Size 1	-	18X20X1/12X18X1
Num OA Filters 2	-	8/2
Num PreFilter 1	-	4
PreFilter Size 1	-	18X24X2
Num PreFilter 2	-	8
PreFilter Size 2	-	24X24X2

Test Data		
	Design	Actual
SF CFM	16430	
SF RPM	1410	
RA CFM	14840	
OA CFM	2030	
RL Voltage	-	
RL Amperage	-	
SF Motor Freq(HZ)	-	
SF System SetPt	-	
Min OA Damper Position	-	
Brake Horse Power	13.7	

Motor Data		
	Design	Actual
Motor MFG	-	BALDIOR
Frame	-	254T
Horsepower	-	15
Motor Rpm	-	1770
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	18.2
Service Factor	-	1.15

Performance Data		
	Design	Actual
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Cooling Coil P.D.	-	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	1-5/8"
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	1
Belt Size	5VX930

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Project:Kenton County School Ops Ctr (Independence, KY)

AHU/RTU



VAV - Single Duct

RTU-1/ROOF

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)
VAV-1	TITUS	DESV	SINGLE DUCT	14	2000	2019	790	772			0.86
VAV-2	TITUS	DESV	SINGLE DUCT	12	1300	1296	290	311			0.68
VAV-3	TITUS	DESV	SINGLE DUCT	5	180	194	50	54			0.95
VAV-4	TITUS	DESV	SINGLE DUCT	5	220	223	70	75			0.75
VAV-5	TITUS	DESV	SINGLE DUCT	5	130	133	40	35			1
VAV-6	TITUS	DESV	SINGLE DUCT	5	130	131	40	38			1.1
VAV-7	TITUS	DESV	SINGLE DUCT	12	1680	1630	190	203			0.57
VAV-8	TITUS	DESV	SINGLE DUCT	5	150	147	60	64			0.6
VAV-9	TITUS	DESV	SINGLE DUCT	12	1310	1307	680	702			0.6
VAV-10	TITUS	DESV	SINGLE DUCT	5	300	294	40	37			0.86
VAV-11	TITUS	DESV	SINGLE DUCT	5	200	203	50	46			0.75
VAV-12	TITUS	DESV	SINGLE DUCT	5	160	162	80	74			1.2
VAV-13	TITUS	DESV	SINGLE DUCT	10	670	621	560	534			0.75
VAV-14	TITUS	DESV	SINGLE DUCT	6	310	313	120	130			0.59
VAV-15	TITUS	DESV	SINGLE DUCT	12	2000		1100				
VAV-17	TITUS	DESV	SINGLE DUCT	6	320	318	210	217			0.58
VAV-18	TITUS	DESV	SINGLE DUCT	6	320	344	140	180			0.5
VAV-19	TITUS	DESV	SINGLE DUCT	10	650	676	210	217			0.61
VAV-20	TITUS	DESV	SINGLE DUCT	10	660	702	260	268			1.02
VAV-21	TITUS	DESV	SINGLE DUCT	8	670	675	310	309			
VAV-22	TITUS	DESV	SINGLE DUCT	5	300	307	100	94			0.75
VAV-23	TITUS	DESV	SINGLE DUCT	8	520	509	190	203			0.54
VAV-24	TITUS	DESV	SINGLE DUCT	10	950	1008	300	319			0.6
VAV-25	TITUS	DESV	SINGLE DUCT	12	1080	1099	360	382			0.64
VAV-26	TITUS	DESV	SINGLE DUCT	10	660	674	250	266			0.58

Diffuser Ret/Exh (GRD)

RTU-1/ROOF

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
RTU-1-EGRD1	RG	18	640					-
RTU-1-EGRD2	RG	12	380					-
RTU-1-EGRD3	RG	12X12	700					-
RTU-1-EGRD4	RG	8X8	140					-
RTU-1-EGRD5	RG	10X10	160					-
RTU-1-EGRD6	RG	12X12	210					-
RTU-1-EGRD7	RG	8	100					-
RTU-1-EGRD8	RG	10X10	150					-
RTU-1-EGRD9	RG	8X8	150					-
RTU-1-EGRD10	RG	10X10	280					-
RTU-1-EGRD11	RG	14X14	750					-
RTU-1-EGRD12	RG	8X8	170					-
RTU-1-EGRD13	RG	12X12	140					-
RTU-1-EGRD14	RG	8X8	170					-
RTU-1-EGRD15	RG	8X8	140					-
RTU-1-EGRD16	RG	8	140					-
RTU-1-EGRD17	RG	10	260					-
RTU-1-EGRD18	RG	10	240					-
RTU-1-EGRD19	RG	16X16	540					-
RTU-1-EGRD20	RG	16X16	540					-
RTU-1-EGRD21	RG	16X16	660					-
RTU-1-EGRD22	RG	16	700					-
RTU-1-EGRD23	RG	10X10	100					-
RTU-1-EGRD24	RG	16	680					-
RTU-1-EGRD25	RG	6X6	50					-
RTU-1-EGRD26	RG	6X6	90					-
RTU-1-EGRD27	RG	8X8	120					-
RTU-1-EGRD28	RG	6X6	100					-
RTU-1-EGRD29	RG	6X6	100					-
RTU-1-EGRD30	RG	18	900					-
RTU-1-EGRD31	RG	6X6	90					-
RTU-1-EGRD32	RG	6X6	90					-
RTU-1-EGRD33	RG	16X16	900					-
RTU-1-EGRD34	RG	6	20					-
RTU-1-EGRD35	RG	6	20					-
RTU-1-EGRD36	RG	12	300					-
RTU-1-EGRD37	RG	8X8	160					-
RTU-1-EGRD38	RG	6	80					-
RTU-1-EGRD39	RG	8X8	130					-
RTU-1-EGRD40	RG	8X8	120					-
RTU-1-EGRD41	RG	8	130					-
RTU-1-EGRD42	RG	16X16	650		515			-
RTU-1-EGRD43	RG	8	250					-
RTU-1-EGRD44	RG	12X12	320					-
RTU-1-EGRD45	RG	10	250					-
RTU-1-EGRD46	RG	16	840					-
RTU-1-EGRD47	RG	10	150					-
RTU-1-EGRD48	RG	16	840					-
Total			14840		515	0	0	0%

Diffuser Supply (GRD)

VAV-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-1-SGRD1	LOADING DOCK	CD	12	500	602	515	103.0
VAV-1-SGRD2	CIRCULATION	CD	12	500	475	486	97.2
VAV-1-SGRD3	JANITOR	CD	12	500	493	506	101.2
VAV-1-SGRD4	RECEPTION	CD	10	250	288	253	101.2
VAV-1-SGRD5	RECEPTION	CD	10	250	271	259	103.6
Total				2000	2129	2019	100.95%

VAV-10/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-10-SGRD1	CIRCULATION	CD	10	300	348	294	98.0
Total				300	348	294	98%

VAV-11/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-11-SGRD1	ADMIN ASSI	CD	6	100	99	99	99.0
VAV-11-SGRD2	GARAGE MANAGER	CD	6	100	104	104	104.0
Total				200	203	203	101.5%

VAV-12/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-12-SGRD1	MECHANIC BREAK RM	CD	8X8	160	220	162	101.3
Total				160	220	162	101.25%

VAV-13/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-13-SGRD1	LOADING DOCK	CD	8	210	168	178	84.8
VAV-13-SGRD2	VENDER RECEIVING	DUCT	10X10	80	51	75	93.8
VAV-13-SGRD3	VENDER RECEIVING	DUCT	10X10	80	54	73	91.3
VAV-13-SGRD4	SHARED LOADING DOCK	DUCT	10X10	80	69	77	96.3
VAV-13-SGRD5	SHARED LOADING DOCK	DUCT	10X10	80	50	72	90.0
VAV-13-SGRD6	CIRCULATION	CD	8X6	140	233	146	104.3
Total				670	625	621	92.69%

VAV-14/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-14-SGRD1	DRIVERS BREAK RM	CD	10X10	310	244	313	101.0
Total				310	244	313	100.97%

VAV-15/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-15-SGRD1	CIRCULATION	CD	8	180			-
VAV-15-SGRD2	CIRCULATION	CD	10	320			-
VAV-15-SGRD3	CIRCULATION	CD	10	320			-
VAV-15-SGRD4	CIRCULATION	CD	10	320			-
VAV-15-SGRD5	STAIR A	CD	12X12	700			-
VAV-15-SGRD6	STAIR B	NA	NA	160			-
Total				2000	0	0	0%

VAV-17/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-17-SGRD1	CIRCULATION	CD	10	320	266	318	99.4
Total				320	266	318	99.38%

VAV-18/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-18-SGRD1	OFFICE 2	CD	8	150	246	157	104.7
VAV-18-SGRD2	OFFICE 1	CD	8	170	191	187	110.0
Total				320	437	344	107.5%

VAV-19/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-19-SGRD1	CONFERENCE RM	CD	8	270	150	276	102.2
VAV-19-SGRD2	WORK AREA	CD	10	270	236	282	104.4
VAV-19-SGRD3	OFFICE SUPPLIES	CD	8	110	145	118	107.3
Total				650	531	676	104%

VAV-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-2-SGRD1	CORRIDOR AREA B	CD	8X8	100	105	101	101.0
VAV-2-SGRD2	CORRIDOR AREA B	CD	8X8	100	199	109	109.0
VAV-2-SGRD3	TECH 7	CD	8X8	100	61	102	102.0
VAV-2-SGRD4	PRINT AREA	CD	8X8	100	63	92	92.0
VAV-2-SGRD5	TECH 7	CD	8X8	100	66	98	98.0
VAV-2-SGRD6	PRINT AREA	CD	8X8	100	70	91	91.0
VAV-2-SGRD7	TECH 3	CD	8X8	100	61	102	102.0
VAV-2-SGRD8	TECH 3	CD	8X8	100	70	98	98.0
VAV-2-SGRD9	TECH 2	CD	8X8	100	60	90	90.0
VAV-2-SGRD10	TECH 6	CD	8X8	100	118	110	110.0
VAV-2-SGRD11	TECH 6	CD	8X8	100	117	96	96.0
VAV-2-SGRD12	TECH 1	CD	6	100	109	98	98.0
VAV-2-SGRD13	CIRCULATION	CD	6	100	131	109	109.0
Total				1300	1230	1296	99.69%

VAV-20/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-20-SGRD1	OPEN OFFICE 3	CD	10	330	472	340	103.0
VAV-20-SGRD2	OPEN OFFICE 3	CD	10	330	427	362	109.7
Total				660	899	702	106.36%

VAV-21/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-21-SGRD1	FILE STORAGE	CD	8	160	149	149	93.1
VAV-21-SGRD2	CLERICAL 3	CD	8	180	126	178	98.9
VAV-21-SGRD3	CLERICAL 2	CD	8	180	133	199	110.6
VAV-21-SGRD4	CLERICAL 1	CD	8	150	182	149	99.3
Total				670	590	675	100.75%

VAV-22/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-22-SGRD1	AREA CORD 2	CD	8	150	182	163	108.7
VAV-22-SGRD2	AREA CORD 1	CD	8	150	145	144	96.0
Total				300	327	307	102.33%

VAV-23/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-23-SGRD1	TRANSPORTATION DIR	CD	10	250	210	238	95.2
VAV-23-SGRD2	TRANSPORTATION ASSISTANT	CD	10	270	169	271	100.4
Total				520	379	509	97.88%

VAV-24/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-24-SGRD1	FILE STORAGE	CD	8	220	194	219	99.5
VAV-24-SGRD2	CONFERENCE RM	CD	10	290	271	318	109.7
VAV-24-SGRD3	WORK AE	CD	8	220	204	233	105.9
VAV-24-SGRD4	CLERICAL 1	CD	8	220	174	238	108.2
Total				950	843	1008	106.11%

VAV-25/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-25-SGRD1	LRG TRAINING RM	CD	10	270	241	288	106.7
VAV-25-SGRD2	LRG TRAINING RM	CD	10	270	225	257	95.2
VAV-25-SGRD3	LRG TRAINING RM	CD	10	270	216	259	95.9
VAV-25-SGRD4	LRG TRAINING RM	CD	10	270	240	295	109.3
Total				1080	922	1099	101.76%

VAV-26/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-26-SGRD1	KITCHEN	CD	8	220	96	210	95.5
VAV-26-SGRD2	KITCHEN	CD	8	220	118	223	101.4
VAV-26-SGRD3	KITCHEN	CD	8	220	123	241	109.5
Total				660	337	674	102.12%

VAV-3/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-3-SGRD1	TECH DIRECTOR		12X8	180	220	194	107.8
Total				180	220	194	107.78%

VAV-4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-4-SGRD1	NETWORK ADMIN	CD	12X8	140	161	144	102.9
VAV-4-SGRD2	NETWORK ADMIN	CD	6	80	69	79	98.8
Total				220	230	223	101.36%

VAV-5/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-5-SGRD1	DATA LEADER	CD	10X10	130	154	133	102.3
Total				130	154	133	102.31%

VAV-6/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-6-SGRD1	BREAK RM	CD	8	130	191	131	100.8
Total				130	191	131	100.77%

VAV-7/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-7-SGRD1	IMAGE RM	CD	14	840	608	825	98.2
VAV-7-SGRD2	IMAGE RM	CD	14	840	690	805	95.8
Total				1680	1298	1630	97.02%

VAV-8/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-8-SGRD1	CONFERENCE RM	CD	8	150	175	147	98.0
Total				150	175	147	98%

VAV-9/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
VAV-9-SGRD1	TRAINING RM	CD	6	100	103	101	101.0
VAV-9-SGRD2	PLAN RM	CD	6	100	93	109	109.0
VAV-9-SGRD3	RECORDS RM	CD	6	90	96	98	108.9
VAV-9-SGRD4	KEY RM	CD	8	120	206	129	107.5
VAV-9-SGRD5	CIRCULATION	CD	10	300	214	299	99.7
VAV-9-SGRD6	CIRCULATION	CD	10	300	188	274	91.3
VAV-9-SGRD7	CIRCULATION	CD	10	300	226	297	99.0
Total				1310	1126	1307	99.77%

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-10

AREA: MAINTENANCE

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	24XLW 240 X_W
Serial Num	-	ILLEGIBLE
Type	-	WALL PROP

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Horsepower	-	1/3
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.0
Service Factor	-	1.35

Drive Data	
	Actual
Motor Sheave Size	MVL84
Motor Bore Size	1/2"
Motor Sheave SetPt	3.5 OUT
Fan Sheave Size	MA58
Fan Sheave Bore	3/4"
Belt CL Distance	12"
Num of Belts	1
Belt Size	A35

Test Data		
	Design	Actual
CFM	4400	4595
Fan RPM	589	741
RL Voltage	-	INACCESSIBLE
RL Amperage	-	INACCESSIBLE
Suction ESP	-	NA
Discharge ESP	-	ATM
Total ESP	0.125	NA
Brake Horse Power	-	INACCESSIBLE

Completed By: Gabe Merk on 02/28/2025

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Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-11

AREA: MAINTENANCE

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	24XLW 240 X_W
Serial Num	-	ILLEGIBLE
Type	-	WALL PROP

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Horsepower	-	1/3
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.0
Service Factor	-	1.35

Drive Data	
	Actual
Motor Sheave Size	MVL84
Motor Bore Size	1/2"
Motor Sheave SetPt	3.5 OUT
Fan Sheave Size	MA58
Fan Sheave Bore	3/4"
Belt CL Distance	12"
Num of Belts	1
Belt Size	A35

Test Data		
	Design	Actual
CFM	4400	4542
Fan RPM	589	732
RL Voltage	-	INACCESSIBLE
RL Amperage	-	INACCESSIBLE
Suction ESP	-	NA
Discharge ESP	-	ATM
Total ESP	0.125	NA
Brake Horse Power	-	INACCESSIBLE

Completed By: Gabe Merk on 02/28/2025

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-12

AREA: MAINTENANCE

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	24XLW 240 X_W
Serial Num	-	1081K86371-02/0000704
Type	-	WALL PROP

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Horsepower	-	1/3
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.0
Service Factor	-	1.35

Drive Data	
	Actual
Motor Sheave Size	MVL84
Motor Bore Size	1/2"
Motor Sheave SetPt	3.5 OUT
Fan Sheave Size	MA58
Fan Sheave Bore	3/4"
Belt CL Distance	12"
Num of Belts	1
Belt Size	A35

Test Data		
	Design	Actual
CFM	4400	4527
Fan RPM	589	736
RL Voltage	-	INACCESSIBLE
RL Amperage	-	INACCESSIBLE
Suction ESP	-	NA
Discharge ESP	-	ATM
Total ESP	0.125	NA
Brake Horse Power	-	INACCESSIBLE

Completed By: Gabe Merk on 02/28/2025

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-13

AREA:WORKSPACES

Unit Data		
	Design	Actual
MFG	NA	NL
Model Num	NA	NL
Serial Num	-	NL
Type	-	SIDEWALL

Test Data		
	Design	Actual
CFM	1510	1508
RL Voltage	-	NA
RL Amperage	-	NA
Discharge ESP	-	ATM
Total ESP	0.125	N/A

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	48Y
Horsepower	-	1/2
Motor Rpm	-	300-1800
Phase	-	1
Voltage (rated)	-	115-208
Amperage (rated)	-	6.4-4.0
Service Factor	-	NL

Completed By: Cody Collett on 02/28/2025

Notes:
82% setpoint

Written By: Cody Collett on 02/28/2025

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-14

AREA:WORKSPACES

Unit Data		
	Design	Actual
MFG	NA	NL
Model Num	NA	NL
Serial Num	-	NL
Type	-	SIDEWALL

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	48Y
Horsepower	-	1/2
Motor Rpm	-	300-1800
Phase	-	1
Voltage (rated)	-	115-208
Amperage (rated)	-	6.4-4.0
Service Factor	-	NL

Test Data		
	Design	Actual
CFM	1510	1559
RL Voltage	-	NA
RL Amperage	-	NA
Discharge ESP	-	ATM
Total ESP	0.125	N/A

Completed By: Cody Collett on 02/28/2025

Notes:
81% Setpoint.

Written By: Cody Collett on 02/28/2025

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-15

AREA: WAREHOUSE

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	
Type	-	

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

Test Data		
	Design	Actual
CFM	550	548
RL Voltage	-	NA
RL Amperage	-	NA
Discharge ESP	-	ATM
Total ESP	0.125	N/A

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-16

AREA: WAREHOUSE ALTERNATE

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	
Type	-	

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

Test Data		
	Design	Actual
CFM	200	
RL Voltage	-	
RL Amperage	-	
Discharge ESP	-	
Total ESP	0.13	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-01

AREA:1ST FLR RR

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	165RH10D
Serial Num	-	108SK86371-01
Type	-	UPBLAST

Motor Data		
	Design	Actual
Horsepower	-	0.33
Motor Rpm	-	1075
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	4.9

Test Data		
	Design	Actual
CFM	1080	1119
RL Voltage	-	
RL Amperage	-	
Discharge ESP	-	
Total ESP	0.750	

National TAB

Project:Kenton County School Ops Ctr (Independence, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-01/1ST FLR RR

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF1-EGRD1	RG	8	150	0.5625	146			-
EF1-EGRD2	RG	6	60	0.5625	82			-
EF1-EGRD3	RG	8	150	0.5625	129			-
EF1-EGRD4	RG	6	100	1	55			-
EF1-EGRD5	RG	10X8	150	1	197			-
EF1-EGRD6	RG	10X10	200	1	510			-
Total			810		1119	0	0	0%

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-02

AREA:1ST FLR LOCKER ROOMS

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	100C15DL
Serial Num	-	108PK86371-03
Type	-	DOWNBLAST

Motor Data		
	Design	Actual
Horsepower	-	0.125
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	115

Test Data		
	Design	Actual
CFM	440	
RL Voltage	-	
RL Amperage	-	
Discharge ESP	-	
Total ESP	0.250	

National TAB

Project:Kenton County School Ops Ctr (Independence, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-02/1ST FLR LOCKER ROOMS

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF2-EGRD1	RG	8	140	0.5625	172		172	122.9
EF2-EGRD2	RG	6	80	0.5625	61		61	76.3
EF2-EGRD3	RG	6	80	0.5625	72		72	90.0
EF2-EGRD4	RG	8	140	0.5625	164		164	117.1
Total			440		469	0	469	106.59%

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-03

AREA:2ND FLR BATHROOMS

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	90C1DL90
Serial Num	-	108PK86371-03
Type	-	UPBLAST

Motor Data		
	Design	Actual
Horsepower	-	0.040
Motor Rpm	-	1050
Phase	-	1
Voltage (rated)	-	115

Test Data		
	Design	Actual
CFM	170	242
RL Voltage	-	
RL Amperage	-	
Discharge ESP	-	
Total ESP	0.250	

National TAB

Project:Kenton County School Ops Ctr (Independence, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-03/2ND FLR BATHROOMS

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF-03-EGRD1	RG		50	0.5625	66			-
EF-03-EGRD2	RG		50	0.5625	78			-
EF-03-EGRD3	RG		50	0.5625	98			-
Total			150		242	0	0	0%

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-04

AREA:1ST FLR BATHROOMS

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	70R15DM
Serial Num	-	108PK86371-03
Type	-	UPBLAST

Motor Data		
	Design	Actual
Motor Rpm	-	1550
Phase	-	1
Voltage (rated)	-	115

Test Data		
	Design	Actual
CFM	100	193
RL Voltage	-	
RL Amperage	-	
Discharge ESP	-	
Total ESP	0.250	

Notes:
FAN NEEDS SPEED CONTROLLER 2/28/25 GM

Written By: Gabe Merk on 02/28/2025

National TAB

Project:Kenton County School Ops Ctr (Independence, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-04/1ST FLR BATHROOMS

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF-04-EGRD1			50	1	81			-
EF-04-EGRD2			50	1	76			-
Total			100		157	0	0	0%

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-05

AREA:ELEV MECH RM

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	100R10DM
Serial Num	-	108PK86371-03
Type	-	UPBLAST

Test Data		
	Design	Actual
CFM	240	
RL Voltage	-	
RL Amperage	-	
Discharge ESP	-	
Total ESP	0.250	

Motor Data		
	Design	Actual
Horsepower	-	0.040
Motor Rpm	-	1050
Phase	-	1
Voltage (rated)	-	115

Notes:
 EXHAUST GRILLE 1 REMOVED FROM SCOPE AND NOT INSTALLED. 2/28/25 GM
 UNIT NEEDS SPEED CONTROLLER 2/28/25 GM

Written By: Gabe Merk on 02/28/2025

National TAB

Project:Kenton County School Ops Ctr (Independence, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-05/ELEV MECH RM

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF-05-EGRD2			80		307			-
Total			80		307	0	0	0%

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-06

AREA:PARTS STORAGE

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	120C17DVF120ACE
Serial Num	-	108PK86371-0./0005101
Type	-	DOWNBLAST

Test Data		
	Design	Actual
CFM	940	640
RL Voltage	-	122
RL Amperage	-	1.6
Discharge ESP	-	
Total ESP	0.250	

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	48Y
Horsepower	-	1/2
Motor Rpm	-	300-1800
Phase	-	1
Voltage (rated)	-	115-208/230
Amperage (rated)	-	6.4-4.0/3.8
Service Factor	-	NL

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-07

AREA:TIRE STORAGE

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	210C3B210ACE
Serial Num	-	108SK86371-01/0001801
Type	-	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	NL
Horsepower	-	1/4
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	4.9
Service Factor	-	1.35

Drive Data	
	Actual
Motor Sheave Size	3- 1/4
Motor Bore Size	0.5"
Motor Sheave SetPt	6 turns out
Fan Sheave Size	7"
Fan Sheave Bore	3/4
Belt CL Distance	5-3/4"
Num of Belts	1
Belt Size	A25

Test Data		
	Design	Actual
CFM	2390	2674
Fan RPM	436	489
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.250	
Brake Horse Power	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-08

AREA:1ST FLR AREA D

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	180C5B180ACE
Serial Num	-	108SK86371-01/0003001
Type	-	DOWNBLAST

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	NL
Horsepower	-	1/2
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	7.5
Service Factor	-	1.25

Drive Data	
	Actual
Motor Sheave Size	3- 1/4"
Motor Bore Size	0.5"
Motor Sheave SetPt	
Fan Sheave Size	6"
Fan Sheave Bore	3/4"
Belt CL Distance	5.5"
Num of Belts	1
Belt Size	A23

Test Data		
	Design	Actual
CFM	2060	
Fan RPM	765	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.500	
Brake Horse Power	-	

Notes:
MISSING DIFFUSER 1 AS OF 2/28/25 GM

Written By: Gabe Merk on 02/28/2025

National TAB

Project:Kenton County School Ops Ctr (Independence, KY)

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF-08/1ST FLR AREA D

Asset								
Asset Name	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EF-08-EGRD1	DUCT MOUNTED	24X24	540					-
EF-08-EGRD2	DUCT MOUNTED	18X18	200					-
EF-08-EGRD3	DUCT MOUNTED	10X10	200					-
EF-08-EGRD4	RG	6X6	40					-
EF-08-EGRD5	DUCT MOUNTED	10X10	360					-
EF-08-EGRD6	DUCT MOUNTED	10X10	360					-
EF-08-EGRD7	DUCT MOUNTED	10X10	360					-
Total			2060		0	0	0	0%

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: FAN - Exhaust



Asset: EF-09

AREA: MAINTENANCE

Unit Data		
	Design	Actual
MFG	NA	COOK
Model Num	NA	24XLW 240 X_W
Serial Num	-	108MK86371-02/0000701
Type	-	WALL PROP

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Horsepower	-	1/3
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	6.0
Service Factor	-	1.35

Drive Data	
	Actual
Motor Sheave Size	MVL84
Motor Bore Size	1/2"
Motor Sheave SetPt	3.5 OUT
Fan Sheave Size	MA58
Fan Sheave Bore	3/4"
Belt CL Distance	12"
Num of Belts	1
Belt Size	A35

Test Data		
	Design	Actual
CFM	4400	4576
Fan RPM	589	730
RL Voltage	-	INACCESSIBLE
RL Amperage	-	INACCESSIBLE
Suction ESP	-	NA
Discharge ESP	-	ATM
Total ESP	0.125	NA
Brake Horse Power	-	INACCESSIBLE

Completed By: Gabe Merk on 02/28/2025

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: Pump



Asset: HWP-3

AREA:

Unit Data		
	Design	Actual
MFG	NA	TACO
Model Num	NA	FI1207D-4P-PM
Serial Num	-	F0438447
Service	-	HWCS
Type	-	CENTRIFUGAL
Configuration	-	VERTICAL
Pump RPM	-	1750
GPM/HD	-	28/50
Impeller Diameter	-	6.75"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	145 T
Horsepower	-	2
Motor Rpm	-	1760
Phase	-	3
Voltage	-	230
Amperage	-	5.6
Service Factor	-	1.15
Efficiency	-	86.5
Power Factor	-	77

Test Data		
	Design	Actual
Pump Off Pres	-	32 FT
Valve Open GPM (FT)	-	27.5 FT
Valve Open Diff (FT)	-	52.0 FT
Final Suction Pres (FT)	-	54.7 FT
Final Discharge Pres (FT)	-	106.7 FT
Total Head Pres (FT)	-	52.0 FT
Final GPM	-	27.5 GPM
Pump Rotation	-	CW
Motor RPM	-	1766
Pump RPM	-	1766
Motor Frequency	-	60 HZ
System SetPt	-	60 HZ
RL Voltage	-	173 VFD
RL Amperage	-	3.6 VFD
Brake Horse Power	-	0.79 KW

Completed By: Gabe Merk on 02/24/2025

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: Pump



Asset: HWP-4

AREA:

Unit Data		
	Design	Actual
MFG	NA	TACO
Model Num	NA	FI1207D-4P-PM
Serial Num	-	F0438447
Service	-	HWCS
Type	-	CENTRIFUGAL
Configuration	-	VERTICAL
Pump RPM	-	1750
GPM/HD	-	28/50
Impeller Diameter	-	6.75"

Motor Data		
	Design	Actual
Motor MFG	-	BALDOR
Frame	-	145T
Horsepower	-	2
Motor Rpm	-	1760
Phase	-	3
Voltage	-	230
Amperage	-	5.6
Service Factor	-	1.15
Efficiency	-	86.5
Power Factor	-	77

Test Data		
	Design	Actual
Pump Off Pres	-	32 FT
Valve Open GPM (FT)	-	27.4 GPM
Valve Open Diff (FT)	-	52.2 FT
Final Suction Pres (FT)	-	55.1 FT
Final Discharge Pres (FT)	-	107.3 FT
Total Head Pres (FT)	-	52.2 FT
Final GPM	-	27.4 GPM
Pump Rotation	-	CW
Motor RPM	-	1766
Pump RPM	-	1766
Motor Frequency	-	60 HZ
System SetPt	-	60 HZ
RL Voltage	-	177 VFD
RL Amperage	-	3.6 VFD
Brake Horse Power	-	0.78 KW

Completed By: Gabe Merk on 02/24/2025

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: Pump



Asset: P-1

AREA:2ND LEVEL AREA A

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	
Service	-	
Type	-	
Configuration	-	INLINE
Pump RPM	-	
GPM/HD	21	
Impeller Diameter	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	4200
Phase	-	1
Voltage	-	120
Amperage	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Test Data		
	Design	Actual
Pump Off Pres	-	
Pump Dead Head Pres	-	
Act Impeller Dia (IN)	-	
Valve Open GPM (FT)	-	
Valve Open Diff (FT)	-	
Final Suction Pres (FT)	-	
Final Discharge Pres (FT)	-	
Total Head Pres (FT)	-	
Final GPM	21	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: Pump



Asset: P-2

AREA:2ND LEVEL AREA A

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	
Service	-	
Type	-	
Configuration	-	INLINE
Pump RPM	-	
GPM/HD	21	
Impeller Diameter	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	0.6	
Motor Rpm	-	4200
Phase	-	1
Voltage	-	120
Amperage	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

Test Data		
	Design	Actual
Pump Off Pres	-	
Pump Dead Head Pres	-	
Act Impeller Dia (IN)	-	
Valve Open GPM (FT)	-	
Valve Open Diff (FT)	-	
Final Suction Pres (FT)	-	
Final Discharge Pres (FT)	-	
Total Head Pres (FT)	-	
Final GPM	21	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: Boiler



Asset: B-1

AREA:2ND LEVEL AREA A

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	

Test Data		
	Design	Actual
GPM	28	
EWT (F)	140	
LWT (F)	160	
Water Temp Delta T (F)	-	
Hot Water Delta P	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: Boiler



Asset: B-2

AREA:2ND LEVEL AREA A

Unit Data		
	Design	Actual
MFG	NA	NA
Model Num	NA	NA
Serial Num	-	

Test Data		
	Design	Actual
GPM	28	
EWT (F)	140	
LWT (F)	160	
Water Temp Delta T (F)	-	
Hot Water Delta P	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-10

AREA: CIRCULATION

Unit Data		
	Design	Actual
Service	-	VAV-10
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	30	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.12	0.11
Coil Delta P	-	10.3
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-11

AREA:MECH BREAK RM

Unit Data		
	Design	Actual
Service	-	VAV 11
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	50	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.19	0.21
Coil Delta P	-	28.3
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-12

AREA:MECH BREAK RM

Unit Data		
	Design	Actual
Service	-	VAV 12
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	80	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.31	0.29
Coil Delta P	-	56.5
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-13

AREA: SHARED LOADING DOCK

Unit Data		
	Design	Actual
Service	-	VAV 13
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	560	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	2.31	2.35
Coil Delta P	-	131.1
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-14

AREA:DRIVERS BREAK RM

Unit Data		
	Design	Actual
Service	-	VAV 14
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	120	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.46	0.42
Coil Delta P	-	23.3
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-15

AREA:CIRCULATION

Unit Data		
	Design	Actual
Service	-	VAV 15
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	1100	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	4.88	4.88
Coil Delta P	-	110.3
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-17

AREA:RESTROOM B

Unit Data		
	Design	Actual
Service	-	VAV 17
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	210	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.87	0.85
Coil Delta P	-	85.4
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-18

AREA:OFFICE 1

Unit Data		
	Design	Actual
Service	-	VAV 18
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	140	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.58	0.53
Coil Delta P	-	33.7
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-19

AREA:CONFERENCE RM

Unit Data		
	Design	Actual
Service	-	VAV 19
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	210	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.87	0.82
Coil Delta P	-	85.4
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-20

AREA:LARGE OPEN OFFICE 3

Unit Data		
	Design	Actual
Service	-	VAV 20
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	260	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	1.06	0.91
Coil Delta P	-	104.1
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-21

AREA:FILE STORAGE

Unit Data		
	Design	Actual
Service	-	VAV 21
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	310	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	1.29	1.28
Coil Delta P	-	37.5
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-22

AREA:WORK AREA

Unit Data		
	Design	Actual
Service	-	VAV 22
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	100	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.38	0.36
Coil Delta P	-	76.8
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-23

AREA:CLERICAL ASSISTANT 1

Unit Data		
	Design	Actual
Service	-	VAV 23
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	190	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.77	0.72
Coil Delta P	-	64.6
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-24

AREA:FILE STORAGE

Unit Data		
	Design	Actual
Service	-	VAV 24
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	300	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	1.23	1.23
Coil Delta P	-	37.0
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-25

AREA:LARGE TRAINING RM

Unit Data		
	Design	Actual
Service	-	VAV 25
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	360	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	1.48	1.42
Coil Delta P	-	49.7
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-26

AREA:KITCHEN

Unit Data		
	Design	Actual
Service	-	VAV 26
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	250	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	1.03	1.05
Coil Delta P	-	139.2
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-01

AREA: LOADED SHARED DOCK

Unit Data		
	Design	Actual
Service	-	VAV-01
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	790	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	3.3	3.29
Coil Delta P	-	51.1
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-02

AREA:CIRCULATION

Unit Data		
	Design	Actual
Service	-	VAV-02
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	290	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	1.19	1.20
Coil Delta P	-	36.5
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-03

AREA: TECHNOLOGY DIRECTOR

Unit Data		
	Design	Actual
Service	-	VAV-03
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	50	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.24	0.22
Coil Delta P	-	37.6
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-04

AREA: NETWORK ADMIN

Unit Data		
	Design	Actual
Service	-	VAV-04
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	70	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.26	0.26
Coil Delta P	-	44.9
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-05

AREA:DATA LEADER

Unit Data		
	Design	Actual
Service	-	VAV-04
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	30	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.12	0.13
Coil Delta P	-	9.3
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-06

AREA: BREAK RM

Unit Data		
	Design	Actual
Service	-	VAV-06
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	30	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.10	0.09
Coil Delta P	-	6.8
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-07

AREA:CIRCULATION

Unit Data		
	Design	Actual
Service	-	VAV-07
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	160	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.66	0.64
Coil Delta P	-	54.3
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-08

AREA:IMAGE RM

Unit Data		
	Design	Actual
Service	-	VAV-08
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	60	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	0.25	0.25
Coil Delta P	-	42.9
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	

National TAB

Project: Kenton County School Ops Ctr (Independence, KY)

System/Unit: COIL - Hot Water



Asset: VAV-09

AREA:FEMALE LOCKER RM

Unit Data		
	Design	Actual
Service	-	VAV-09
Type	-	HWC
Water Temp	-	140
Water Treatment Correction Factor	-	

Performance Data		
	Design	Actual
COIL CFM	680	
EAT (db/wb)	-	
LAT (db/wb)	-	
Delta T (db/wb)	-	
Airside Coil Delta SP	-	

Test Data		
	Design	Actual
GPM CIRCUIT 1	2.81	2.79
Coil Delta P	-	36.5
EWT (F)	140	
LWT (F)	-	
Coil Delta T (F)	-	