NATIONAL TAB INTELLIGENCE

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

System	Air	Duct Size	Area Sq ft	Design Vel	Design CFM	Final Vel	Final CFM	K factor
AHU 1	Supply	72X36	18.00	1256	22600	1249	22478	1.24
AHU 1	Return	121X23	19.33	1169	22600	1145	22128	1.058
AHU 1	OA	72X36	18.00	256	4600	268	4830	0.968
AHU 2	Supply	72X36	18.00	1200	21600	1228	22105	1.17
AHU 2	Return	121X23	19.33	1117	21600	1069	20673	1.30
AHU 2	OA	72X36	18.00	206	3700	207	3734	0.972
AHU 3	Supply	72X36	18.00	1500	27000	1470	26453	1.28
AHU 3	Return	94X25	16.32	1654	27000	1695	27674	1.154
AHU 3	OA	72X36	18.00	250	4500	259	4672	0.687
AHU 4	Supply	72X36	18.00	1311	23600	1314	23643	1.050
AHU 4	Return	21.25X121.25	17.9	1318	23600	1332	23843	1.293
AHU 4	OA	72X36	18	200	3600	202	3636	0.935

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: AHU-1 **Area: FIRST FLOOR**

Supply Side

Unit Data	
Manufacturer	YORK
Model Number	YCI-84X126
Serial Number	TEMM191090
Configuration	VERTICAL
No. Pre Filters / Size	15 / 20X20X2
No. Pre Filters / Size	3 / 20X16X2
No. Pre Filters / Size	5 / 16X20X2
No. Primary Filters / Size	15 / 20X20X4
No. Primary Filters / Size	3 / 20X16X4
No. Primary Filters / Size	5 / 16X20X4

Motor Data X 4	
Motor MFG / Frame	BALDOR / 215T
Horsepower / RPM	10 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	12.5 / 1.15

Test Data		
	Design	**Actual**
Total CFM	22600	22478
Min OA CFM	4600	4830
Fan RPM	2553	2463
VFD Speed	85.1	82.1
RL Voltage	460	472
RL Amperage	12.5	8.7
Motor B.H.P.	7.78	6.96

Performance Data		
	Design	**Actual**
Suction S.P.		-3.33
Discharge S.P.		1.38"
Total SP	6.05	4.71"
CW Coil P.D.	0.68	0.46"
HW Coil P.D.	0.03	0.85" *
Pre Filters P.D.*	0.20	* combined
Final Filters P.D.	0.42	* combined
Total ESP	3.00	3.39"
System Set Point		0.8"

Return Side

Unit Data	
Manufacturer	YORK
Model Number	YCI-84X126
Serial Number	TEMM191090
Configuration	VERTICAL

Motor Data X 4	
Motor MFG / Frame	BALDOR / 215T
Horsepower / RPM	10 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	12.5 / 1.15

Test Data		
	Design	**Actual**
Total CFM	22600	22128
Relief CFM		4480
Fan RPM	2196	2196
VFD Speed	73	73
RL Voltage	460	472
RL Amperage	12.5	6.1
Motor B.H.P.	3.90	4.88

Performance Data		
	Design	**Actual**
Suction S.P.		-3.17"
Discharge S.P.		0.27"
Total SP	2.69	3.44"
SF GAIN:		1.385
OA GAIN:		1.043
RA GAIN:		1.058

CONNECTD LOAD 37425

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: VAV's Floor 1

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Design Heat CFM	Actual Heat CFM	Ak (max)
VAV-1-01	1054	REHEAT	10	800	803	240	241	480	482	0.698
VAV-1-02	1061	COOL	10	500	515	150	155	0	0	0.711
VAV-1-03	1104	REHEAT	6	420	440	125	131	250	262	0.683
VAV-1-04	1141	REHEAT	6	365	382	110	115	220	230	0.686
VAV-1-05	1160	REHEAT	8	455	452	135	139	275	276	0.727
VAV-1-06	1815	REHEAT	6	240	240	70	70	145	145	0.673
VAV-1-07	1810	REHEAT	10	1115	1125	335	326	670	659	0.717
VAV-1-08	1806	REHEAT	8	770	776	230	236	460	471	0.696
VAV-1-09	1056	REHEAT	6	250	261	75	78	150	157	0.75
VAV-1-10	1801	REHEAT	8	470	480	140	143	280	286	0.688
VAV-1-11	1800	REHEAT	10	1280	1303	385	392	770	781	0.761
VAV-1-12	1051	REHEAT	8	650	657	195	197	390	394	0.689
VAV-1-13	1051	REHEAT	10	1100	1109	330	335	660	667	0.848
VAV-1-14	1058	REHEAT	8	500	494	150	148	300	296	0.781
VAV-1-15	1150	REHEAT	8	460	468	140	142	275	280	0.723
VAV-1-16	1145	REHEAT	8	475	457	145	140	285	274	0.808
VAV-1-17	1112	REHEAT	8	700	715	210	215	420	429	0.73
VAV-1-18	1153	REHEAT	8	650	660	195	198	390	396	0.73
VAV-1-19	1121	REHEAT	8	575	592	175	180	345	355	0.665
VAV-1-20	1004	REHEAT	10	900	922	270	277	540	553	0.705
VAV-1-21	1003	REHEAT	6	400	400	120	120	240	240	0.65
VAV-1-22	1206	REHEAT	8	450	456	135	137	270	274	0.731
VAV-1-23	1203	REHEAT	10	1230	1223	370	383	740	746	0.754
VAV-1-24	1803	COOL	8	500	502	150	151	0	0	0.669
VAV-1-25	1520	REHEAT	8	510	507	155	166	305	315	0.738
VAV-1-26	1512	REHEAT	8	540	521	160	154	325	314	0.786
VAV-1-27	1521	REHEAT	6	405	400	120	124	245	240	0.675
VAV-1-28	1513	REHEAT	6	400	385	120	116	240	244	0.678
VAV-1-29	1503	REHEAT	6	125	127	40	41	75	76	0.714
VAV-1-30A	1501	REHEAT	10	920	922	270	271	545	547	0.714
VAV-1-30B	1501	REHEAT	10	975	1006	295	309	585	599	0.752
VAV-1-31	1508	REHEAT	6	410	411	125	131	245	248	0.687
VAV-1-32	CORR	REHEAT	6	350	336	105	101	210	202	0.713
VAV-1-33	1622	REHEAT	6	405	405	120	118	245	249	0.672
VAV-1-34	1614	REHEAT	6	370	369	110	113	220	214	0.703
VAV-1-35	1623	REHEAT	6	405	408	120	121	245	247	0.765
VAV-1-36	1611	REHEAT	6	390	398	115	117	235	240	0.789
VAV-1-37	1603	REHEAT	6	125	126	40	40	75	76	0.713
Notes:	VAV1-02 schedule value 1100 / drawing shows 1 grille at 500 cfm									

NATIONAL TAB INTELLIGENCE

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: VAV's Floor 1

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Design Heat CFM	Actual Heat CFM	Ak (max)
VAV-1-38A	1601	REHEAT	10	905	875	270	261	545	527	0.781
VAV-1-38B	1602	REHEAT	10	975	963	295	301	585	585	0.769
VAV-1-39	1608	REHEAT	6	355	355	130	130	260	260	0.646
VAV-1-40	1700	REHEAT	6	400	409	120	123	240	245	0.651
VAV-1-41	1724	REHEAT	6	405	411	120	122	245	249	0.672
VAV-1-42	1710	REHEAT	6	390	405	115	119	235	244	0.752
VAV-1-43	1723	REHEAT	6	405	385	120	114	245	233	0.691
VAV-1-44	1713	REHEAT	6	375	387	115	119	225	232	0.755
VAV-1-45	1703	REHEAT	6	125	128	40	41	75	77	0.818
VAV-1-46A	1701	REHEAT	10	925	926	265	265	530	531	0.778
VAV-1-46B	1701	REHEAT	10	985	972	280	276	565	558	0.771
VAV-1-47	1708	REHEAT	8	555	556	165	166	335	336	0.645
VAV-1-48	1140	REHEAT	6	250	252	75	76	150	151	0.772
VAV-1-49	1051	REHEAT	16	3000	3084	900	932	1800	1882	0.821
VAV-1-50	1506	REHEAT	14	2250	2322	675	704	1350	1389	0.835
VAV-1-51	1000B	REHEAT	14	2700	2735	810	821	1620	1641	0.841
VAV-1-52	1051	REHEAT	8	700	661	210	198	420	397	0.714
VAV-1-53	1401	REHEAT	6	180	187	55	57	110	114	0.732
VAV-1-54	1053	REHEAT	6	150	154	45	46	90	92	0.704
				37425						
Notes:	VAV 1-39 schedule value 435 connected load 355 cfm									
	VAV 1-40 schedule value 350 connected load 400 cfm									

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
101-1	1054	B	8	175	181	176	1.01
101-2	1054	B	8	175	213	177	1.01
101-3	1054	E	10	225	231	228	1.01
101-4	1054	E	10	225	203	222	0.99
VAV-1-01				**800**		**803**	**1.00**
102-1	1061	M	18X18	500	554	515	1.03
VAV-1-02				**500**		**515**	**1.03**
103-1	1101	A	6	100	63	105	1.05
103-2	1103	A	6	75	59	78	1.04
103-3	1101	A	6	100	61	104	1.04
103-4	1104	A	6	70	59	74	1.06
103-5	1102	A	6	75	57	79	1.05
VAV-1-03				**420**		**440**	**1.05**
104-1	1144	C	6	75	67	78	1.04
104-2	1142	B	6	65	62	69	1.06
104-3	1141	C	6	80	49	83	1.04
104-4	1141	C	6	80	73	83	1.04
104-5	1143	B	6	65	76	69	1.06
VAV-1-04				**365**		**382**	**1.05**
105-1	1156	A	6	90	124	88	0.98
105-2	1154	A	6	90	95	91	1.01
105-3	1140	A	6	100	95	107	1.07
105-4	1158	A	6	85	131	83	0.98
105-5	1160	A	6	90	111	83	0.92
VAV-1-05				**455**		**452**	**0.99**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
106-1	1814	E	8	140	160	139	0.99
106-2	1815	B	8	100	89	101	1.01
VAV-1-06				**240**		**240**	**1.00**
107-1	1810	E	10	230	224	226	0.98
107-2	1809	E	10	290	238	279	0.96
107-3	1808	E	8	170	146	171	1.01
107-4	1810	E	10	230	224	245	1.07
107-5	1811	E	8	145	224	152	1.05
107-6	1812	F	6	50	72	52	1.04
VAV-1-07				**1115**		**1125**	**1.01**
108-1	1804	E	8	170	166	179	1.05
108-2	1805	F	6	50	103	51	1.02
108-3	1806	E	10	250	197	253	1.01
108-4	1806	E	10	250	218	239	0.96
108-5	1807	C	10	50	109	54	1.08
VAV-1-08				**770**		**776**	**1.01**
109-1	1057	B	8	125	142	130	1.04
109-2	1056	B	8	125	143	131	1.05
VAV-1-09				**250**		**261**	**1.04**
110-1	1801	E	10	235	349	230	0.98
110-2	1801	E	10	235	444	250	1.06
VAV-1-10				**470**		**480**	**1.02**

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Project: Wake County Public Health

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Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
111-1	1800	D	8	160	200	165	1.03
111-2	1800	D	8	160	191	158	0.99
111-3	1800	D	8	160	184	152	0.95
111-4	1800	D	8	160	206	170	1.06
111-5	1800	D	8	160	202	167	1.04
111-6	1800	D	8	160	203	168	1.05
111-7	1800	D	8	160	194	160	1.00
111-8	1800	D	8	160	197	163	1.02
VAV-1-11				**1280**		**1303**	**1.02**
112-1	1051	D	8	200	219	202	1.01
112-2	1051	D	8	225	278	227	1.01
112-3	1051	D	8	225	316	228	1.01
VAV-1-12				**650**		**657**	**1.01**
113-1	1051	B	8	150	194	149	0.99
113-2	1051	L	8	200	217	201	1.01
113-3	1051	B	8	150	262	149	0.99
113-4	1051	L	8	200	0	207	1.04
113-5	1051	L	8	200	93	198	0.99
113-6	1051	B	8	200	261	205	1.03
VAV-1-13				**1100**		**1109**	**1.01**
114-1	ELEV LOBBY	A	6	100	143	101	1.01
114-2	1058	B	8	125	114	121	0.97
114-3	COOR	B	8	125	125	122	0.98
114-4	COOR	B	8	150	218	150	1.00
VAV-1-14				**500**		**494**	**0.99**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
115-1	1146	A	6	90	127	91	1.01
115-2	1140	A	6	100	118	95	0.95
115-3	1148	A	6	90	0	92	1.02
115-4	1150	A	6	90	162	95	1.06
115-5	1152	B	6	90	131	95	1.06
VAV-1-15				**460**		**468**	**1.02**
116-1	1149	A	6	100	45	95	0.95
116-2	1151	A	6	100	46	96	0.96
116-3	1147	A	6	100	149	95	0.95
116-4	1145	A	6	100	180	96	0.96
116-5	1100	A	6	75	178	75	1.00
VAV-1-16				**475**		**457**	**0.96**
117-1	1114	A	6	100	85	102	1.02
117-2	1113	A	6	100	107	103	1.03
117-3	1112	A	6	100	109	104	1.04
117-4	1118	B	8	150	203	150	1.00
117-5	1111	A	6	100	97	101	1.01
117-6	CORR	B	8	150	191	155	1.03
VAV-1-17				**700**		**715**	**1.02**
118-1	1115	A	6	100	95	102	1.02
118-2	1155	A	6	100	98	100	1.00
118-3	1153	A	6	100	90	100	1.00
118-4	1116	A	6	100	88	101	1.01
118-5	1157	A	6	100	75	102	1.02
118-6	1117	A	6	100	90	101	1.01
118-7	1120	A	5	50	78	54	1.08
VAV-1-18				**650**		**660**	**1.02**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
119-1	1005	A	6	50	97	50	1.00
119-2	1004	A	6	100	103	103	1.03
119-3	1119	E	8	150	172	156	1.04
119-4	1119	D	8	150	177	158	1.05
119-5	1121	B	8	125	111	125	1.00
VAV-1-19				**575**		**592**	**1.03**
120-1	1001	D	8	150	169	156	1.04
120-2	1001	D	8	150	167	157	1.05
120-3	1001	D	8	150	164	151	1.01
120-4	1001	D	8	150	163	156	1.04
120-5	1001	D	8	150	161	153	1.02
120-6	1001	D	8	150	155	149	0.99
VAV-1-20				**900**		**922**	**1.02**
121-1	1003	B	10	200	216	195	0.98
121-2	1002	B	10	200	182	196	0.98
VAV-1-21				**400**		**391**	**0.98**
122-1	1206	B	8	175	180	178	1.02
122-2	1206	B	8	175	193	177	1.01
122-3	1204	A	8	100	116	101	1.01
VAV-1-22				**450**		**456**	**1.01**

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Project: Wake County Public Health

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Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
123-1	1203	B	8	140	73	130	0.93
123-2	1200	B	8	175	127	168	0.96
123-3	1203	B	8	140	75	144	1.03
123-4	1203	B	8	140	72	143	1.02
123-5	1203	B	8	140	75	134	0.96
123-6	1203	B	8	140	75	140	1.00
123-7	1201	B	8	75	151	77	1.03
123-8	203	B	8	140	78	141	1.01
123-9	1203	B	8	140	78	146	1.04
VAV-1-23				**1230**		**1223**	**0.99**
124-1	1803	M	12X12	500	533	502	1.00
VAV-1-24				**500**		**502**	**1.00**
125-1	1524	A	8	140	120	145	1.04
125-2	1500	A	8	100	121	96	0.96
125-3	1522	A	8	130	113	131	1.01
125-4	1520	A	8	140	116	135	0.96
VAV-1-25				**510**		**507**	**0.99**
126-1	1500	A	8	100	122	98	0.98
126-2	1509	F	6	50	147	51	1.02
126-3	1514	A	8	130	140	124	0.95
126-4	1516	A	8	130	126	124	0.95
126-5	1512	A	8	130	126	124	0.95
VAV-1-26				**540**		**521**	**0.96**
127-1	1525	B	8	130	93	129	0.99
127-2	1523	B	8	145	147	141	0.97
127-3	1521	B	8	130	89	130	1.00
VAV-1-27				**405**		**400**	**0.99**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
128-1	1515	A	8	130	125	125	0.96
128-2	1513	A	8	130	125	130	1.00
128-3	1511	A	8	140	131	130	0.93
VAV-1-28				**400**		**385**	**0.96**
129-1	1503	A	8	125	136	127	1.02
VAV-1-29				**125**		**127**	**1.02**
130A-1	1501	A	8	120	100	119	0.99
130A-2	1501	A	8	120	110	121	1.01
130A-3	1501	A	8	120	99	119	0.99
130A-4	1501	A	8	120	109	120	1.00
130A-5	1501	A	8	120	124	120	1.00
130A-6	1517	A	6	30	97	31	1.03
130A-7	1501	A	8	120	107	119	0.99
130A-8	1501	A	8	120	112	120	1.00
130A-9	1510	F	6	50	178	53	1.06
VAV-1-30A				**920**		**922**	**1.00**
130B-1	1501	A	8	125	119	125	1.00
130B-2	1501	A	8	125	123	134	1.07
130B-3	1526	A	6	50	104	53	1.06
130B-4	1527	A	6	50	98	51	1.02
130B-5	1501	A	8	125	161	125	1.00
130B-6	1501	A	8	125	146	131	1.05
130B-7	1501	A	8	125	147	129	1.03
130B-8	1501	A	8	125	140	129	1.03
130B-9	1501	A	8	120	162	129	1.08
VAV-1-30B				**970**		**1006**	**1.04**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
131-1	1507	A	6	100	58	102	1.02
131-2	1506	B	8	140	56	146	1.04
131-3	1508	B	8	170	121	163	0.96
VAV-1-31				**410**		**411**	**1.00**
132-1	1519	F	6	50	103	48	0.96
132-2	1609	F	6	50	82	48	0.96
132-3	CORR	A	8	125	86	125	1.00
132-4	CORR	A	8	125	83	115	0.92
VAV-1-32				**350**		**336**	**0.96**
133-1	1620	A	8	130	97	124	0.95
133-2	1622	A	8	145	149	150	1.03
133-3	1624	A	8	130	94	131	1.01
VAV-1-33				**405**		**405**	**1.00**
134-1	1612	A	8	130	104	131	1.01
134-2	1614	A	8	120	99	125	1.04
134-3	1616	A	8	120	114	113	0.94
VAV-1-34				**370**		**369**	**1.00**
135-1	1625	A	8	130	117	133	1.02
135-2	1623	B	8	145	221	145	1.00
135-3	1621	A	8	130	138	130	1.00
VAV-1-35				**405**		**408**	**1.01**
136-1	1611	A	8	130	142	134	1.03
136-2	1613	A	8	130	142	134	1.03
136-3	1615	A	8	130	161	130	1.00
VAV-1-36				**390**		**398**	**1.02**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
137-1	1603	B	8	125	137	126	1.01
VAV-1-37				**125**		**126**	**1.01**
138A-1	1601	A	8	125	176	120	0.96
138A-2	1601	A	8	120	156	118	0.98
138A-3	1601	A	8	120	125	114	0.95
138A-4	1605	A	8	125	134	116	0.93
138A-5	1605	A	8	120	117	116	0.97
138A-6	1617	F	6	50	148	48	0.96
138A-7	CORR	A	8	120	145	116	0.97
138A-8	CORR	A	8	125	145	127	1.02
VAV-1-38A				**905**		**875**	**0.97**
138B-1	1601	A	8	125	118	114	0.91
138B-2	1601	A	8	125	133	119	0.95
138B-3	1626	A	6	50	101	53	1.06
138B-4	1627	A	6	50	97	48	0.96
138B-5	1602	A	8	125	143	129	1.03
138B-6	1602	A	8	125	153	129	1.03
138B-7	1602	A	8	125	130	122	0.98
138B-8	CORR	A	8	125	133	125	1.00
138B-9	CORR	A	8	125	143	124	0.99
VAV-1-38B				**975**		**963**	**0.99**
139-1	1608	B	8	170	160	170	1.00
139-2	1607	A	6	75	106	75	1.00
139-3	1606	A	8	110	89	110	1.00
VAV-1-39				**355**		**355**	**1.00**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
140-1	1619	F	6	50	88	51	1.02
140-2	1718	F	6	50	102	50	1.00
140-3	1700	A	8	125	104	130	1.04
140-4	1700	A	8	125	104	131	1.05
140-5	1716	F	6	50	115	47	0.94
VAV-1-40				**400**		**409**	**1.02**
141-1	1720	A	8	130	106	133	1.02
141-2	1722	B	8	145	191	145	1.00
141-3	1724	A	8	130	119	133	1.02
VAV-1-41				**405**		**411**	**1.01**
142-1	1710	A	8	130	145	135	1.04
142-2	1712	A	8	130	151	135	1.04
142-3	1714	A	8	130	142	135	1.04
VAV-1-42				**390**		**405**	**1.04**
143-1	1721	A	8	130	105	124	0.95
143-2	1723	B	8	145	214	137	0.94
143-3	1725	A	8	130	129	124	0.95
VAV-1-43				**405**		**385**	**0.95**
144-1	1711	A	8	120	136	121	1.01
144-2	1713	A	8	130	150	134	1.03
144-3	1713	A	8	125	150	132	1.06
VAV-1-44				**375**		**387**	**1.03**
145-1	1703	B	8	125	145	128	1.02
VAV-1-45				**125**		**128**	**1.02**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
146A-1	CORR	A	8	125	145	125	1.00
146A-2	CORR	A	8	125	146	124	0.99
146A-3	1705	A	8	125	163	131	1.05
146A-4	1705	A	8	125	152	122	0.98
146A-5	1705	A	8	125	146	125	1.00
146A-6	1717	F	6	50	75	50	1.00
146A-7	CORR	A	8	125	111	125	1.00
146A-8	CORR	A	8	125	164	124	0.99
VAV-1-46A				**925**		**926**	**1.00**
146B-1	1701	B	8	130	149	122	0.94
146B-2	1701	A	8	135	92	135	1.00
146B-3	1701	A	8	120	156	120	1.00
146B-4	1726	A	6	50	124	50	1.00
146B-5	1727	A	6	50	110	50	1.00
146B-6	1701	A	8	130	60	124	0.95
146B-7	1701	A	8	120	72	118	0.98
146B-8	1701	A	8	130	158	133	1.02
146B-9	1701	A	8	120	171	120	1.00
VAV-1-46B				**985**		**972**	**0.99**
147-1	1706	B	10	200	173	202	1.01
147-2	1706	B	8	155	185	152	0.98
147-3	1706	B	10	200	202	202	1.01
VAV-1-47				**555**		**556**	**1.00**
148-1	1207	A	6	125	151	125	1.00
148-2	1207	A	6	125	143	127	1.02
VAV-1-48				**250**		**252**	**1.01**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
149-1	1051	L	10	300	335	321	1.07
149-2	1051	L	10	300	341	309	1.03
149-3	1051	L	10	300	319	301	1.00
149-4	1051	L	10	300	305	288	0.96
149-5	1051	L	10	300	350	306	1.02
149-6	1051	L	10	300	346	314	1.05
149-7	1051	L	10	300	322	317	1.06
149-8	1051	L	10	300	289	311	1.04
149-9	1051	L	10	300	270	306	1.02
149-10	1051	L	10	300	390	311	1.04
VAV-1-49				**3000**		**3084**	**1.03**
150-1	1000A	L	12	375	461	391	1.04
150-2	1000A	L	12	375	451	382	1.02
150-3	1000A	L	12	375	457	387	1.03
150-4	1000A	L	12	375	460	390	1.04
150-5	1000A	L	12	375	454	385	1.03
150-6	1000A	L	12	375	457	387	1.03
VAV-1-50				**2250**		**2322**	**1.03**
151-1	1000B	L	10	300	354	309	1.03
151-2	1000B	L	10	300	320	321	1.07
151-3	1000B	L	10	300	378	289	0.96
151-4	1000B	L	10	300	367	302	1.01
151-5	1000B	L	10	300	349	313	1.04
151-6	1000B	L	10	300	351	307	1.02
151-7	1000B	L	10	300	330	279	0.93
151-8	1000B	L	10	300	359	300	1.00
151-9	1000B	L	10	300	367	315	1.05
VAV-1-51				**2700**		**2735**	**1.01**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 1 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
152-1	CORR	D	8	175	141	161	0.92
152-2	CORR	D	8	175	149	159	0.91
152-3	CORR	E	8	175	202	170	0.97
152-4	CORR	E	8	175	183	171	0.98
VAV-1-52				**700**		**661**	**0.94**
153-1	1401	B	8	90	101	94	1.04
153-2	1401	B	8	90	93	93	1.03
VAV-1-53				**180**		**187**	**1.04**
154-1	1053	B	8	150	171	154	1.03
VAV-1-54				**150**		**154**	**1.03**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: AHU-2 **Area: SECOND FLOOR**

Supply Side

Unit Data	
Manufacturer	YORK
Model Number	YCI-84X120
Serial Number	TEMM191100
Configuration	VERTICAL
No. Pre Filters / Size	9 / 24X24X2
No. Pre Filters / Size	6 / 24X20X2
No. Primary Filters / Size	9 / 24X20X4
No. Primary Filters / Size	6 / 24X20X4

Motor Data X 4	
Motor MFG / Frame	BALDOR / 215T
Horsepower / RPM	10 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	12.50 / 1.15

Test Data	Design	Actual
Total CFM	21600	22105
Min OA CFM	3700	3734
Fan RPM	2505	2376
VFD Speed	83.5	79.2
RL Voltage	460	472
RL Amperage	12.50	8.3
Motor B.H.P.	7.31	6.64

Performance Data	Design	Actual
Suction S.P.		-2.62"
Discharge S.P.		2.10"
Total SP	5.92	4.72"
CW Coil P.D.	0.68	0.38"
HW Coil P.D.	0.03	1.01" *
Pre Filters P.D.*	0.20	* combined
Final Filters P.D.	0.43	* combined
Total ESP	3.00	3.33"
System Set Point		1.0"

CONNECTD LOAD 32070

Return Side

Unit Data	
Manufacturer	YORK
Model Number	YCI-84X120
Serial Number	TEMM191100
Configuration	VERTICAL

Motor Data X 4	
Motor MFG / Frame	BALDOR / 213T
Horsepower / RPM	7.5 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	9.50 / 1.15

Test Data	Design	Actual
Total CFM	21600	20673
Relief CFM		2302
Fan RPM	2112	1560
VFD Speed	70.4	52 Hz
RL Voltage	460	472
RL Amperage	9.50	3.82
Motor B.H.P.	3.50	3.02

Performance Data	Design	Actual
Suction S.P.		-0.48"
Discharge S.P.		0.20"
Total SP	2.55	0.68"
SF GAIN:		1.356
OA GAIN:		1.063
RA GAIN:		1.258

NATIONAL TAB INTELLIGENCE

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: VAV's Floor 2

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Design Heat CFM	Actual Heat CFM	Ak (max)
VAV-2-01A	2053	REHEAT	10	750	756	750	759	750	754	0.698
VAV-2-01B	2051	REHEAT	8	700	688	210	207	500	491	0.680
VAV-2-01C	2004	REHEAT	10	1275	1259	315	315	630	651	0.712
VAV-2-01D	2004	REHEAT	10	1100	1105	330	320	660	682	0.641
VAV-2-02	2152	REHEAT	8	750	760	165	171	330	325	0.711
VAV-2-03	2304	REHEAT	8	640	639	190	189	385	378	0.647
VAV-2-04	2803	REHEAT	8	775	757	235	245	465	473	0.625
VAV-2-05	2801	REHEAT	8	430	431	130	133	260	256	0.629
VAV-2-06	2800	REHEAT	12	1760	1699	530	544	1055	1077	0.722
VAV-2-07A	2000	REHEAT	14	2700	2673	810	841	1620	1644	0.702
VAV-2-07B	2000	REHEAT	14	2625	2632	790	828	2565	2589	0.752
VAV-2-08	2111	REHEAT	8	475	460	145	152	285	289	0.678
VAV-2-09	2112	REHEAT	8	550	530	165	160	330	325	0.630
VAV-2-10	2004	REHEAT	10	1050	1084	315	323	630	642	0.733
VAV-2-11	2003	REHEAT	8	600	601	180	180	360	360	0.681
VAV-2-12	2113	REHEAT	6	200	196	60	59	120	119	0.677
VAV-2-13	2200	REHEAT	8	525	516	160	168	315	323	0.578
VAV-2-14	2503	REHEAT	10	600	599	180	180	360	370	0.696
VAV-2-15	2522	REHEAT	6	340	330	100	97	205	210	0.662
VAV-2-16	2514	REHEAT	6	340	337	100	103	205	210	0.665
VAV-2-17	2529	REHEAT	6	350	340	105	106	210	211	0.560
VAV-2-18	2515	REHEAT	6	340	338	100	97	205	212	0.686
VAV-2-19	2501	REHEAT	8	600	589	180	178	360	357	0.675
VAV-2-20	2505	REHEAT	6	400	407	120	117	240	246	0.665
VAV-2-21	2807	REHEAT	8	700	692	210	222	420	422	0.647
VAV-2-22	2505	REHEAT	6	240	236	70	68	145	143	0.594
VAV-2-23	2614	REHEAT	6	375	380	115	121	225	232	0.589
VAV-2-24	2654	REHEAT	6	300	303	90	91	180	180	0.594
VAV-2-25	2724	REHEAT	8	500	494	150	147	300	297	0.726
VAV-2-26	2714	REHEAT	8	555	556	165	166	335	336	0.701
VAV-2-27	2602	REHEAT	10	800	785	240	235	480	470	0.676
VAV-2-28	2740	REHEAT	8	560	555	170	177	335	340	0.771
VAV-2-29	2703	REHEAT	6	300	302	90	87	180	188	0.629
VAV-2-30	2717	REHEAT	8	545	555	150	159	295	299	0.707
VAV-2-31	2704	REHEAT	8	715	711	210	215	425	421	0.714
VAV-2-32	2743	REHEAT	6	260	256	80	84	155	159	0.678
VAV-2-33	2733	REHEAT	8	550	542	165	120	330	233	0.723

NOTES:	VAV 2-01A connected load 750 scheduled cool 1000. decreased max value
	VAV 2-02: connected load 750 scheduled cool 550. Increased cool max value
	VAV 2-31: connected load 715 scheduled cool 705. Increased cool max value

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: VAV's Floor 2

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Design Heat CFM	Actual Heat CFM	Ak (max)
VAV-2-34	2721	REHEAT	6	265	266	80	81	160	171	0.597
VAV-2-35	2808	REHEAT	8	475	453	145	150	285	282	0.649
VAV-2-36	2201	REHEAT	8	400	410	120	121	240	241	0.631
VAV-2-37	2620	REHEAT	6	275	271	85	83	165	163	0.653
VAV-2-38	2600	REHEAT	10"	1000	994	300	298	600	596	0.68
VAV-2-39	2517	REHEAT	6"	150	147	45	48	90	88	0.670
VAV-2-40	2115	REHEAT	6"	275	267	70	71	135	139	0.655
VAV-2-41	2653	REHEAT	6"	330	325	100	97	200	194	0.678
VAV-2-42	2619	REHEAT	6"	395	387	120	125	235	241	0.644
VAV-2-44	2407	REHEAT	10"	1100	1133	330	342	660	648	0.74
VAV-2-45	2731	REHEAT	10"	240	242	90	88	180	172	0.73
VAV-2-46	2505	REHEAT	6"	260	266	80	84	260	269	0.648
VAV-2-47	2301	REHEAT	6"	200	205	60	61	120	127	0.64
VAV-2-48	2802	COOL	8"	500	505	150	157	0	0	0.685
				32070						
Notes:										
	VAV 2-40: connected load 275CFM scheduled max 225. Increased max value									
	VAV 2-45: connected load 240CFM scheduled max 300. DECREASED max value									

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
201A-1	2053	N	12	400	417	391	0.98
201A-2	2053	N	12	350	381	365	1.04
VAV-2-01A				**750**		**756**	**1.01**
201B-1	2052	A	6	125	120	125	1.00
201B-2	2051	A	6	125	120	125	1.00
201B-3	2051	E	8	225	186	218	0.97
201B-4	2051	D	8	225	188	220	0.98
VAV-2-01B				**700**		**688**	**0.98**
201C-1	2004	E	8	225	205	218	0.97
201C-2	2004	E	10	300	273	290	0.97
201C-3	2004	E	10	350	323	344	0.98
201C-4	2004	E	12	400	375	399	1.00
VAV-2-01C				**1275**		**1251**	**0.98**
201D-1	2004	E	10	250	310	245	0.98
201D-2	2004	E	10	250	300	255	1.02
201D-3	2004	E	10	300	99	295	0.98
201D-4	2004	E	10	300	389	310	1.03
VAV-2-01D				**1100**		**1105**	**1.00**
202-1	2153	A	6	100	65	102	1.02
202-2	2152	B	8	150	142	153	1.02
202-3	2153	B	8	150	136	150	1.00
202-4	2152	B	8	150	140	149	0.99
202-5	2152	B	8	200	115	206	1.03
VAV-2-02				**750**		**760**	**1.01**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
203-1	2302	F	6	50	72	48	0.96
203-2	2303	A	6	50	80	48	0.96
203-3	2304	D	10	200	210	202	1.01
203-4	2304	D	10	200	185	191	0.96
203-5	2810	D	8	140	145	150	1.07
VAV-2-03				**640**		**639**	**1.00**
204-1	2650	A	6	100	90	98	0.98
204-2	2803	D	8	150	113	145	0.97
204-3	2803	E	8	225	200	226	1.00
204-4	2803	D	8	150	117	145	0.97
204-5	2803	D	10	150	143	143	0.95
VAV-2-04				**775**		**757**	**0.98**
205-1	2801	E	10	215	220	214	1.00
205-2	2801	L	10	215	218	217	1.01
VAV-2-05				**430**		**431**	**1.00**
206-1	2800	D	8	220	274	201	0.91
206-2	2800	D	8	220	261	215	0.98
206-3	2800	D	8	220	246	198	0.90
206-4	2800	D	8	220	256	228	1.04
206-5	2800	D	8	220	283	209	0.95
206-6	2800	D	8	220	279	205	0.93
206-7	2800	D	8	220	283	224	1.02
206-8	2800	D	8	220	297	219	1.00
VAV-2-06				**1760**		**1699**	**0.97**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
207A-1	2000	L	10	300	330	298	0.99
207A-2	2000	L	10	300	340	290	0.97
207A-3	2000	L	10	300	298	310	1.03
207A-4	2000	L	10	300	309	302	1.01
207A-5	2000	L	10	300	333	288	0.96
207A-6	2000	L	10	300	344	280	0.93
207A-7	2000	L	10	300	321	290	0.97
207A-8	2000	L	10	300	300	304	1.01
207A-9	2000	L	10	300	321	311	1.04
VAV-2-07A				**2700**		**2673**	**0.99**
207B-1	2000	L	10	375	423	381	1.02
207B-2	2000	L	10	375	431	388	1.03
207B-3	2000	L	10	375	408	368	0.98
207B-4	2000	L	10	375	421	379	1.01
207B-5	2000	L	10	375	400	360	0.96
207B-6	2000	L	10	375	413	372	0.99
207B-7	2000	L	10	375	426	384	1.02
VAV-2-07B				**2625**		**2632**	**1.00**
208-1	2111	B	8	150	228	147	0.98
208-2	2110	A	6	125	109	120	0.96
208-3	2140	A	6	100	86	98	0.98
208-4	2140	A	6	100	87	95	0.95
VAV-2-08				**475**		**460**	**0.97**
209-1	2112	B	8	150	104	145	0.97
209-2	2112	B	8	150	131	145	0.97
209-3	2112	B	8	150	119	147	0.98
209-4	2112	A	6	100	56	93	0.93
VAV-2-09				**550**		**530**	**0.96**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
210-1	2004	E	8	175	256	183	1.05
210-2	2004	E	8	175	210	172	0.98
210-3	2004	E	8	175	187	180	1.03
210-4	2004	E	8	175	279	179	1.02
210-5	2004	E	8	175	229	181	1.03
210-6	2004	E	8	175	23	189	1.08
VAV-2-10				**1050**		**1084**	**1.03**
211-1	2004	A	6	75	81	77	1.03
211-2	2006	A	6	50	74	50	1.00
211-3	2005	H	6	75	115	74	0.99
211-4	2003	B	8	200	164	202	1.01
211-5	2002	B	8	200	205	198	0.99
VAV-2-11				**600**		**601**	**1.00**
212-1	2113	A	6	100	82	96	0.96
212-2	2113B	A	6	100	115	96	0.96
VAV-2-12				**200**		**192**	**0.96**
213-1	2200	E	8	175	147	168	0.96
213-2	2200	E	8	175	161	170	0.97
213-3	2200	E	8	175	184	178	1.02
VAV-2-13				**525**		**516**	**0.98**
214-1	2503	B	8	150	144	144	0.96
214-2	2503	B	8	150	172	147	0.98
214-3	2503	B	8	150	196	154	1.03
214-4	2503	B	8	150	177	154	1.03
VAV-2-14				**600**		**599**	**1.00**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
215-1	2526	A	6	115	105	110	0.96
215-2	2524	A	6	115	122	113	0.98
215-3	2522	A	6	110	124	107	0.97
VAV-2-15				**340**		**330**	**0.97**
216-1	2516	A	6	110	105	105	0.95
216-2	2514	A	6	115	120	119	1.03
216-3	2512	A	6	115	103	113	0.98
VAV-2-16				**340**		**337**	**0.99**
217-1	2525	A	6	75	80	75	1.00
217-2	2528	A	6	75	82	72	0.96
217-3	2527	A	6	100	113	101	1.01
217-4	2529	A	6	100	82	92	0.92
VAV-2-17				**350**		**340**	**0.97**
218-1	2515	A	6	120	108	119	0.99
218-2	2513	A	6	110	117	110	1.00
218-3	2511	A	6	110	119	109	0.99
VAV-2-18				**340**		**338**	**0.99**
219-1	2501	A	6	100	103	100	1.00
219-2	2502	B	8	200	191	193	0.97
219-3	2518	F	6	50	49	49	0.98
219-4	2520	F	6	50	51	51	1.02
219-5	2501	B	10	200	193	196	0.98
VAV-2-19				**600**		**589**	**0.98**

NATIONAL TAB INTELLIGENCE

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
220-1	2504	B	6	150	190	153	1.02
220-2	2504	A	6	125	101	126	1.01
220-3	2504	A	6	125	81	128	1.02
VAV-2-20				**400**		**407**	**1.02**
221-1	2802	A	6	75	80	79	1.05
221-2	2802	A	6	75	88	76	1.01
221-3	2805	F	6	50	136	48	0.96
221-4	2807	D	8	175	164	174	0.99
221-5	2806	D	8	150	162	157	1.05
221-6	2807	D	8	150	156	158	1.05
VAV-2-21				**675**		**692**	**1.03**
222-1	2618	A	8	120	170	114	0.95
222-2	2616	A	8	120	91	122	1.02
VAV-2-22				**240**		**236**	**0.98**
223-1	2610	B	8	150	38	154	1.03
223-2	2612	A	6	110	173	114	1.04
223-3	2614	A	6	115	193	112	0.97
VAV-2-23				**375**		**380**	**1.01**
224-1	2660	B	10	150	158	158	1.05
224-2	2660	B	10	150	157	145	0.97
VAV-2-24				**300**		**303**	**1.01**
225-1	2738	A	8	130	118	129	0.99
225-2	2734	A	8	120	125	121	1.01
225-3	2730	A	8	125	161	124	0.99
225-4	2724	A	8	125	136	120	0.96
VAV-2-25				**500**		**494**	**0.99**

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National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
226-1	2712	A	8	125	110	125	1.00
226-2	2722	A	8	130	96	131	1.01
226-3	2716	B	8	145	201	145	1.00
226-4	2714	B	8	155	205	155	1.00
VAV-2-26				**555**		**556**	**1.00**
227-1	2602	B	8	200	159	197	0.99
227-2	2602	B	8	150	233	147	0.98
227-3	2602	B	8	150	245	147	0.98
227-4	2601	B	8	200	200	196	0.98
227-5	2617	A	6	100	110	98	0.98
VAV-2-27				**800**		**785**	**0.98**
228-1	2700	A	6	135	97	135	1.00
228-2	2735	A	6	100	82	101	1.01
228-3	2740	A	6	100	81	100	1.00
228-4	2742	A	6	75	91	75	1.00
228-5	2740	A	6	100	153	96	0.96
228-6	2741	A	6	50	96	48	0.96
VAV-2-28				**560**		**555**	0.99
229-1	2703	B	8	250	246	249	1.00
229-2	2720	A	6	50	85	53	1.06
VAV-2-29				**300**		**302**	**1.01**
230-1	2728	A	6	80	79	83	1.04
230-2	2718	A	6	80	61	83	1.04
230-3	2727	A	6	80	86	85	1.06
230-4	2717	A	6	125	82	125	1.00
230-5	2701	A	6	80	83	82	1.03
230-6	2726	A	6	50	92	49	0.98
230-7	2725	F	6	50	129	48	0.96
VAV-2-30				**545**		**555**	**1.02**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
231-1	2704	A	6	140	107	138	0.99
231-2	2710	B	8	150	200	148	0.99
231-3	2704	A	6	140	126	138	0.99
231-4	2710	B	8	150	257	149	0.99
231-5	2700	A	6	135	123	133	0.99
VAV-2-31				**715**		**706**	**0.99**
232-1	2748	A	10	130	140	125	0.96
232-2	2737	A	10	130	140	131	1.01
VAV-2-32				**260**		**256**	**0.98**
233-1	2721	A	10	140	124	146	1.04
233-2	2723	B	10	150	251	148	0.99
233-3	2729	A	10	130	122	132	1.02
233-4	2733	A	10	130	107	130	1.00
VAV-2-33				**550**		**556**	**1.01**
234-1	2713	A	10	120	97	116	0.97
234-2	2711	B	10	145	179	148	1.02
VAV-2-34				**265**		**264**	**1.00**
235-1	2802	A	6	100	105	94	0.94
235-2	2808	D	8	150	150	137	0.91
235-3	2809	F	6	50	117	50	1.00
235-4	2808	D	8	175	153	172	0.98
VAV-2-35				**475**		**453**	**0.95**
236-1	2202	A	6	100	72	98	0.98
236-2	2201	E	8	150	140	154	1.03
236-3	2201	E	8	150	185	158	1.05
VAV-2-36				**400**		**410**	**1.03**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
237-1	2523	F	6	50	73	50	1.00
237-2	2620	C	10	225	196	221	0.98
VAV-2-37				**275**		**271**	**0.99**
238-1	2600	B	8	200	201	206	1.03
238-2	2600	B	8	200	205	196	0.98
238-3	2600	B	8	200	161	196	0.98
238-4	2600	B	8	200	153	197	0.99
238-5	2600	B	8	200	216	199	1.00
238-6	2519	F	6	50	140	49	0.98
VAV-2-38				**1050**		**994**	**0.95**
239-1	2517	B	8	150	375	147	0.98
VAV-2-39				**150**		**147**	**0.98**
240-1	2114	F	6	50	80	48	0.96
240-2	2115	A	8	125	85	122	0.98
240-3	2115	A	6	100	87	97	0.97
VAV-2-40				**275**		**267**	**0.97**
241-1	2653	A	6	50	70	48	0.96
241-2	2654	A	6	50	85	50	1.00
241-3	2652	B	8	180	146	178	0.99
241-4	2651	F	6	50	85	49	0.98
VAV-2-41				**330**		**325**	**0.98**
242-1	2604	A	6	50	82	48	0.96
242-2	2619	B	10	210	220	208	0.99
242-3	2623	A	8	135	95	131	0.97
VAV-2-42				**395**		**387**	**0.98**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 2 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
244-1	2407	K	14	1100	1345	1133	1.03
VAV-2-44				**1100**		**1133**	**1.03**
245-1	2731	A	8	120	149	123	1.03
245-2	2732	A	8	120	167	125	1.04
VAV-2-45				**240**		**248**	**1.03**
246-1	2505	A	8	130	133	130	1.00
246-2	2505	A	8	130	141	136	1.05
VAV-2-46				**260**		**266**	**1.02**
247-1	2301	A	6	100	118	104	1.04
247-2	2500	A	6	100	86	101	1.01
VAV-2-47				**200**		**205**	**1.03**
248-1	2802	M	18X18	500	548	505	1.01
VAV-2-48				**500**		**505**	**1.01**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: AHU-3 **Area: THIRD FLOOR**

Supply Side

Unit Data	
Manufacturer	YORK
Model Number	YCI-96X108
Serial Number	TEMM191110
Configuration	VERTICAL
No. Pre Filters / Size	12 / 24X24X2
No. Pre Filters / Size	4 / 12X24X2
No. Primary Filters / Size	12 / 24X24X4
No. Primary Filters / Size	4 / 12X24X4

Motor Data X 4	
Motor MFG / Frame	BALDOR / 254T
Horsepower / RPM	15 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	18.1 / 1.15

Test Data	Design	Actual
Total CFM	27000	26453
Min OA CFM	4500	4672
Fan RPM	2517	2442
VFD Speed	83.9	81.4
RL Voltage	460	469 VFD
RL Amperage	18.1	10.9 VFD
Motor B.H.P.	10.21	9.03

Performance Data	Design	Actual
Suction S.P.		-3.11"
Discharge S.P.		2.17"
Total SP	6.74	5.28"
CW Coil P.D.	0.97	0.93"
HW Coil P.D.	0.05	1.03" *
Pre Filters P.D.*	0.28	* combined
Final Filters P.D.	0.67	* combined
Total ESP	3.00	3.32"
System Set Point		1.0"

CONNECTD LOAD 37875

Return Side

Unit Data	
Manufacturer	YORK
Model Number	YCI-96X108
Serial Number	TEMM191110
Configuration	VERTICAL

Motor Data X 4	
Motor MFG / Frame	BALDOR / 215T
Horsepower / RPM	10 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	12.5 / 1.15

Test Data	Design	Actual
Total CFM	27000	27674
Relief CFM		5893
Fan RPM	2498	1703
VFD Speed	83.3	56.8
RL Voltage	460	469 VFD
RL Amperage	12.50	5.2 VFD
Motor B.H.P.	5.42	4.16

Performance Data	Design	Actual
Suction S.P.		-0.43"
Discharge S.P.		0.25"
Discharge S.P.	2.82	0.68"
SF GAIN:		1.28
OA GAIN:		0.687
RA GAIN:		1.154

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National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: VAV's Floor 3

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Design Heat CFM	Actual Heat CFM	Ak (max)
VAV-3-01A	3061	REHEAT	10	775	797	235	243	465	474	0.69
VAV-3-01B	3060	REHEAT	10	1000	1021	300	313	600	598	0.702
VAV-3-02	3110	REHEAT	8	725	729	220	165	435	326	0.644
VAV-3-03	3120	REHEAT	10	1175	1191	355	360	705	715	0.754
VAV-3-04	3130	REHEAT	6	415	413	75	74	150	149	0.708
VAV-3-05	3350	REHEAT	8	700	714	210	212	420	424	0.682
VAV-3-06	3810	REHEAT	8	670	654	200	210	400	406	0.678
VAV-3-07	3806	REHEAT	8	670	680	200	207	400	409	0.677
VAV-3-08	3801	REHEAT	10	450	448	135	129	270	280	0.713
VAV-3-09	3800	REHEAT	14	1850	1838	555	571	1110	1133	0.762
VAV-3-10A	3000C	REHEAT	14	2700	2812	810	804	1620	1681	0.821
VAV-3-10B	3000	REHEAT	14	2625	2655	790	822	1575	1609	0.754
VAV-3-10C	3000A	REHEAT	14	1000	991	300	289	1000	1029	0.689
VAV-3-10D	3000A	REHEAT	14	1100	1117	330	333	1100	1131	0.723
VAV-3-10E	3000A	REHEAT	6	350	344	105	103	210	206	0.630
VAV-3-10F	3000A	REHEAT	8	750	748	225	232	450	468	0.677
VAV-3-11	3055	REHEAT	10	525	526	105	109	210	211	0.721
VAV-3-12	3054	REHEAT	8	450	445	135	140	270	265	0.731
VAV-3-13	3063	REHEAT	8	525	530	160	161	315	315	0.695
VAV-3-14	3115	REHEAT	8	365	364	110	109	220	219	1.095
VAV-3-15	3101	REHEAT	10	1200	1185	360	356	720	711	0.706
VAV-3-16	ELEV	REHEAT	10	1050	1061	315	323	630	641	0.664
VAV-3-17	3100	REHEAT	10	850	842	255	253	510	505	0.704
VAV-3-18	3210	REHEAT	6	625	633	190	192	375	380	0.630
VAV-3-19	3003	REHEAT	10	600	616	180	185	360	370	0.761
VAV-3-20	3319	REHEAT	6	365	365	110	113	220	223	0.649
VAV-3-21	3313	REHEAT	6	225	231	70	72	135	139	0.679
VAV-3-22	3501	REHEAT	6	355	357	105	109	215	210	0.625
VAV-3-23	3512	REHEAT	6	340	334	100	98	205	201	0.647
VAV-3-24	3521	REHEAT	6	355	360	105	108	215	217	0.65
VAV-3-25	3513	REHEAT	8	470	465	140	144	280	267	0.688
VAV-3-26	3802	REHEAT	8	550	552	165	167	330	332	0.718
VAV-3-27	3503	REHEAT	6	225	226	70	74	135	139	0.636
VAV-3-28	3508	REHEAT	10	475	477	115	121	225	227	0.693
VAV-3-29	3620	REHEAT	6	415	403	125	121	250	244	0.702
VAV-3-30	3612	REHEAT	6	370	380	110	119	220	222	0.646

NOTES:

VAV 3-04: connected load 415 scheduled 250 max. Increased max value

VAV 3-11: connected load 525 scheduled 350 max. Increased max value

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: VAV's Floor 3

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Design Heat CFM	Actual Heat CFM	Ak (max)
VAV-3-31	3621	REHEAT	6	400	402	120	121	240	244	0.660
VAV-3-32	3611	REHEAT	8	490	500	145	149	295	287	0.649
VAV-3-33	3603	REHEAT	4	225	230	70	74	135	140	0.670
VAV-3-34A	CORR 3601	REHEAT	8	750	753	225	231	450	461	0.695
VAV-3-34B	CORR 3601	REHEAT	8	750	737	225	219	450	444	0.764
VAV-3-35	CORR 3600	REHEAT	6	345	343	110	115	220	212	0.651
VAV-3-36	3720	REHEAT	8	405	408	120	123	245	256	0.658
VAV-3-37	3712	REHEAT	6	380	370	115	117	230	230	0.641
VAV-3-38	3721	REHEAT	6	405	405	120	128	245	240	0.617
VAV-3-39	3711	REHEAT	8	570	553	155	159	310	323	0.682
VAV-3-40	3703	REHEAT	6	225	227	70	72	135	139	0.653
VAV-3-41A	CORR 3701	REHEAT	10	850	845	255	259	510	513	0.729
VAV-3-41B	3705	REHEAT	10	850	863	255	267	510	523	0.701
VAV-3-42	CORR 0700	REHEAT	6	360	350	110	106	215	213	0.718
VAV-3-43	3708	REHEAT	8	275	277	85	87	165	171	0.643
VAV-3-44	3608	REHEAT	6	250	249	75	78	150	153	0.647
VAV-3-45	3808,3809	REHEAT	8	550	541	165	160	330	327	0.725
VAV-3-46	CORR 3501	REHEAT	8	565	574	170	177	340	329	0.678
VAV-3-47	3321	REHEAT	8	150	154	45	46	90	92	0.92
VAV-3-48	3803	Cool	10	500	503	150	151	0	0	0.659
VAV-3-49	3071	Cool	10	1100	1098	330	329	0	0	0.738
VAV-3-50	3804	REHEAT	6	290	278	85	87	175	175	0.670
				28305						
				9570						
				37875						

NOTES:

VAV 3-35: connected load 345 scheduled 370 max. Decreased max value

VAV 3-39: connected load 570 scheduled 520 max.Increased max value

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INTELLIGENCE

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
301A-1	3060F	A	8	125	178	124	0.99
301A-2	3060F	A	8	125	187	125	1.00
301A-3	3060F	D	8	175	147	184	1.05
301A-4	3060F	D	8	175	167	184	1.05
301A-5	3060F	D	8	175	163	180	1.03
VAV-3-01A				**775**		**797**	**1.03**
301B-1	3060L	D	8	175	156	174	0.99
301B-2	3060L	A	8	125	257	124	0.99
301B-3	3060L	D	8	175	174	180	1.03
301B-4	3060L	D	8	175	182	178	1.02
301B-5	3060L	D	8	175	169	187	1.07
301B-6	3060L	D	8	175	170	178	1.02
VAV-3-01B				**1000**		**1021**	**1.02**
302-1	3110	D	8	200	110	195	0.98
302-2	3110	D	8	200	128	202	1.01
302-3	3110	D	8	200	115	205	1.03
302-4	3112	B	8	125	185	127	1.02
VAV-3-02				**725**		**729**	**1.01**
303-1	3120	A	6	50	113	50	1.00
303-2	3120	A	8	125	121	124	0.99
303-3	3120	A	8	125	131	131	1.05
303-4	3120	A	8	125	137	135	1.08
303-5	3120	A	8	125	141	125	1.00
303-6	3120	A	8	125	159	126	1.01
303-7	3120	A	8	125	136	130	1.04
303-8	3120	A	8	125	148	121	0.97
303-9	3120	A	8	125	146	125	1.00
303-10	3120	A	8	125	147	124	0.99
VAV-3-03				**1175**		**1191**	**1.01**

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National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
304-1	3122	B	8	165	130	161	0.98
304-2	3130	A	8	125	168	127	1.02
304-3	3130	A	8	125	155	125	1.00
VAV-3-04				**415**		**413**	**1.00**
305-1	3352	F	6	50	109	49	0.98
305-2	3351	F	6	50	118	52	1.04
305-3	3350	D	8	200	180	204	1.02
305-4	3350	D	8	200	175	204	1.02
305-5	3350	D	8	200	193	205	1.03
VAV-3-05				**700**		**714**	**1.02**
306-1	3810	D	8	150	134	148	0.99
306-2	3527	A	8	60	105	56	0.93
306-3	3802	A	8	75	126	72	0.96
306-4	3810	D	8	175	130	162	0.93
306-5	3526	A	8	60	112	60	1.00
306-6	3810	D	8	150	161	156	1.04
VAV-3-06				**670**		**654**	**0.98**
307-1	3806	D	8	150	135	150	1.00
307-2	3626	A	6	60	79	61	1.02
307-3	3806	D	8	175	124	177	1.01
307-4	3627	A	6	60	118	56	0.93
307-5	CORR	A	6	75	103	79	1.05
307-6	3806	D	8	150	144	157	1.05
VAV-3-07				**670**		**680**	**1.01**
308-1	3801	E	10	225	246	228	1.01
308-2	3801	E	10	225	239	220	0.98
VAV-3-08				**450**		**448**	**1.00**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
309-1	3800	E	14	350	366	344	0.98
309-2	3800	E	14	300	342	292	0.97
309-3	3800	E	14	300	330	309	1.03
309-4	3800	E	14	300	315	281	0.94
309-5	3800	E	14	300	421	302	1.01
309-6	3800	E	14	300	402	310	1.03
VAV-3-09				**1850**		**1838**	**0.99**
310A-1	3000C	L	10	300	408	310	1.03
310A-2	3000C	L	10	300	421	301	1.00
310A-3	3000C	L	10	300	387	321	1.07
310A-4	3000C	L	10	300	378	303	1.01
310A-5	3000C	L	10	300	399	314	1.05
310A-6	3000C	L	10	300	367	318	1.06
310A-7	3000C	L	10	300	389	309	1.03
310A-8	3000C	L	10	300	390	320	1.07
310A-9	3000C	L	10	300	401	320	1.07
VAV-3-10A				**2700**		**2816**	**1.04**
310B-1	3000C	L	12	375	409	381	1.02
310B-2	3000C	L	12	375	421	369	0.98
310B-3	3000C	L	12	375	399	381	1.02
310B-4	3000C	L	12	375	430	374	1.00
310B-5	3000C	L	12	375	487	398	1.06
310B-6	3000C	L	12	375	462	365	0.97
310B-7	3000C	L	12	375	413	387	1.03
VAV-3-10B				**2625**		**2655**	**1.01**

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
310C-1	3000A	E	10	300	330	288	0.96
310C-2	3000A	D	8	175	190	183	1.05
310C-3	3000A	D	8	175	189	179	1.02
310C-4	3000A	D	8	175	172	170	0.97
310C-5	3000A	D	8	175	160	171	0.98
VAV-3-10C				**1000**		**991**	**0.99**
310D-1	3000A	B	8	200	196	210	1.05
310D-2	3000A	E	8	175	238	178	1.02
310D-3	3000A	B	8	200	199	206	1.03
310D-4	3000A	E	8	175	206	170	0.97
310D-5	3000A	E	8	175	196	173	0.99
310D-6	3000A	E	8	175	200	180	1.03
VAV-3-10D				**1100**		**1117**	**1.02**
310E-1	3000A	B	8	175	171	171	0.98
310E-2	3000A	B	8	175	173	173	0.99
VAV-3-10E				**350**		**344**	**0.98**
310F-1	3000A	A	8	125	113	129	1.03
310F-2	3000A	A	8	125	205	118	0.94
310F-3	3000A	A	8	125	221	125	1.00
310F-4	3000A	A	8	125	46	126	1.01
310F-5	3000A	A	8	125	169	125	1.00
310F-6	3000A	A	8	125	33	125	1.00
VAV-3-10F				**750**		**748**	**1.00**
311-1	3051	D	8	175	96	177	1.01
311-2	3051	B	8	200	147	199	1.00
311-3	3055	B	8	150	149	150	1.00
VAV-3-11				**525**		**526**	**1.00**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
312-1	3053	B	8	150	130	153	1.02
312-2	3053	B	8	150	147	143	0.95
312-3	3053	B	8	150	163	149	0.99
VAV-3-12				**450**		**445**	**0.99**
313-1	3063	B	8	150	171	153	1.02
313-2	3063	B	8	150	170	150	1.00
313-3	3063	A	8	100	98	101	1.01
313-4	3063	A	8	125	123	126	1.01
VAV-3-13				**525**		**530**	**1.01**
314-1	3115	A	8	115	123	114	0.99
314-2	3117	A	8	100	153	100	1.00
314-3	3118	A	8	100	166	99	0.99
314-4	3113	F	6	50	88	51	1.02
VAV-3-14				**365**		**364**	**1.00**
315-1	3100	B	8	150	134	150	1.00
315-2	3101	B	8	200	120	197	0.99
315-3	3101	B	8	200	127	193	0.97
315-4	3101	B	8	200	137	196	0.98
315-5	3101	B	8	200	139	201	1.01
315-6	3101	B	8	200	139	198	0.99
315-7	3103	F	6	50	101	50	1.00
VAV-3-15				**1200**		**1185**	**0.99**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
316-1	ELEV LOBBY	E	8	175	189	179	1.02
316-2	ELEV LOBBY	E	8	175	169	170	0.97
316-3	ELEV LOBBY	E	8	175	172	180	1.03
316-4	ELEV LOBBY	E	8	175	188	178	1.02
316-5	ELEV LOBBY	E	8	175	187	181	1.03
316-6	ELEV LOBBY	E	8	175	180	173	0.99
VAV-3-16				**1050**		**1061**	**1.01**
317-1	3100	B	8	150	166	149	0.99
317-2	3212	B	8	125	101	124	0.99
317-3	3100	B	8	150	190	150	1.00
317-4	3100	B	8	150	167	150	1.00
317-5	3100	B	8	150	229	150	1.00
317-6	3211	B	8	125	99	119	0.95
VAV-3-17				**850**		**842**	**0.99**
318-1	CORR	B	8	125	129	129	1.03
318-2	CORR	B	8	150	159	152	1.01
318-3	3210	B	8	175	167	173	0.99
318-4	3210	B	8	175	137	179	1.02
VAV-3-18				**625**		**633**	**1.01**
319-1	CORR	A	6	75	160	79	1.05
319-2	3006	A	6	50	158	52	1.04
319-3	3005	H	14X8	75	74	77	1.03
319-4	3002	B	8	200	32	203	1.02
319-5	3003	B	8	200	337	205	1.03
VAV-3-19				**600**		**616**	**1.03**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
320-1	3315	A	6	115	129	113	0.98
320-2	3317	A	6	125	114	124	0.99
320-3	3319	A	6	125	130	128	1.02
VAV-3-20				**365**		**365**	**1.00**
321-1	3311	A	6	110	109	113	1.03
321-2	3313	A	6	115	133	118	1.03
VAV-3-21				**225**		**231**	**1.03**
322-1	3524	A	6	115	130	118	1.03
322-2	3522	A	6	125	113	126	1.01
322-3	3520	A	6	115	109	113	0.98
VAV-3-22				**355**		**357**	**1.01**
323-1	3512	A	6	115	125	113	0.98
323-2	3514	A	6	115	133	111	0.97
323-3	3516	A	6	110	139	110	1.00
VAV-3-23				**340**		**334**	**0.98**
324-1	3525	A	6	115	134	119	1.03
324-2	3523	A	6	125	118	126	1.01
324-3	3521	A	6	115	114	115	1.00
VAV-3-24				**355**		**360**	**1.01**
325-1	3506	A	6	125	119	129	1.03
325-2	3515	A	6	115	124	113	0.98
325-3	3511	A	6	115	126	111	0.97
325-4	3513	A	6	115	134	112	0.97
VAV-3-25				**470**		**465**	**0.99**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
326-1	3502	B	8	225	219	230	1.02
326-2	3502	B	8	225	278	224	1.00
326-3	CORR 3501	A	6	100	112	98	0.98
VAV-3-26				**550**		**552**	**1.00**
327-1	3503	B	8	225	223	226	1.00
VAV-3-27				**225**		**226**	**1.00**
328-1	CORR	A	8	100	110	100	1.00
328-2	3509	F	6	50	80	75	1.50
328-3	3508	B	8	150	129	158	1.05
328-4	3507	A	6	75	72	95	1.27
328-5		A	6	100	60	60	0.60
VAV-3-28				**475**		488	**1.03**
329-1	3620	A	8	130	200	124	0.95
329-2	3622	A	8	140	112	136	0.97
329-3	3524	B	8	145	119	143	0.99
VAV-3-29				**415**		**403**	**0.97**
330-1	3616	B	8	120	125	122	1.02
330-2	3612	A	6	130	118	120	0.92
330-3	3614	A	6	120	125	138	1.15
VAV-3-30				**370**		**380**	**1.03**
331-1	3621	A	6	130	157	133	1.02
331-2	3623	A	6	140	177	141	1.01
331-3	3625	A	6	130	150	128	0.98
VAV-3-31				**400**		**402**	**1.01**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
332-1	3615	A	6	130	166	134	1.03
332-2	3606	A	6	100	126	105	1.05
332-3	3613	A	6	130	51	128	0.98
332-4	3611	A	6	130	143	133	1.02
VAV-3-32				**490**		**500**	**1.02**
333-1	3603	B	8	225	233	230	1.02
VAV-3-33				**225**		**230**	**1.02**
334A-1	CORR	B	8	175	158	175	1.00
334A-2	3605	B	8	175	167	174	0.99
334A-3	CORR	B	8	175	205	172	0.98
334A-4	3605	B	8	175	183	179	1.02
334A-5	3617	A	6	50	96	53	1.06
VAV-3-34A				**750**		**753**	**1.00**
334B-1	3602	B	8	150	201	147	0.98
334B-2	CORR	B	8	150	179	156	1.04
334B-3	3602	B	8	150	166	145	0.97
334B-4	3602	B	8	150	167	143	0.95
334B-5	CORR	B	8	150	177	146	0.97
VAV-3-34B				**750**		**737**	**0.98**
335-1	CORR	B	8	135	110	131	0.97
335-2	3609	F	6	50	91	49	0.98
335-3	3519	F	6	50	92	51	1.02
335-4	CORR 3601	B	8	110	69	112	1.02
VAV-3-35				**345**		**343**	**0.99**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
336-1	3720	A	8	130	133	134	1.03
336-2	3722	A	8	140	144	138	0.99
336-3	3724	A	8	135	145	136	1.01
VAV-3-36				**405**		**408**	**1.01**
337-1	3716	A	6	120	187	122	1.02
337-2	3712	A	6	130	184	128	0.98
337-3	3714	A	6	130	0	120	0.92
VAV-3-37				**380**		**370**	**0.97**
338-1	3721	B	8	130	147	129	0.99
338-2	3723	B	8	140	124	143	1.02
338-3	3725	B	8	135	123	133	0.99
VAV-3-38				**405**		**405**	**1.00**
339-1	3706	B	6	125	123	123	0.98
339-2	3711	B	6	140	135	135	0.96
339-3	3713	B	6	130	120	120	0.92
339-4	3719	F	6	50	51	51	1.02
339-5	3715	B	6	125	124	124	0.99
VAV-3-39				**570**		**553**	**0.97**
340-1	3703	B	8	225	226	227	1.01
VAV-3-40				**225**		**227**	**1.01**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
341A-1	CORR	B	8	125	180	131	1.05
341A-2	CORR	B	8	125	156	125	1.00
341A-3	CORR	B	8	125	163	118	0.94
341A-4	CORR	B	8	125	33	123	0.98
341A-5	CORR	B	8	125	134	122	0.98
341A-6	3726	F	6	50	93	53	1.06
341A-7	3727	F	6	50	76	51	1.02
341A-8	CORR	B	8	125	128	122	0.98
VAV-3-41A				**850**		**845**	**0.99**
341B-1	3705	A	8	125	130	125	1.00
341B-2	3705	A	8	125	53	124	0.99
341B-3	3705	A	8	125	146	133	1.06
341B-4		A	6	50	65	50	1.00
341B-5	3705	A	8	125	97	135	1.08
341B-6	3705	A	8	125	126	118	0.94
341B-7	CORR	A	8	125	158	123	0.98
341B-8		A	6	50	150	55	1.10
VAV-3-41B				**850**		**863**	**1.02**
342-1	3619	F	6	50	114	48	0.96
342-2	CORR	B	8	130	102	126	0.97
342-3	3709	F	6	50	87	46	0.92
342-4	CORR	B	8	130	97	130	1.00
VAV-3-42				**360**		**350**	**0.97**
343-1	3708	B	8	200	166	199	1.00
343-2	3707	B	8	75	90	78	1.04
VAV-3-43				**275**		**277**	**1.01**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 3 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
344-1	3608	B	8	175	172	171	0.98
344-2	3607	A	6	75	81	78	1.04
VAV-3-44				**250**		**249**	**1.00**
345-1	CORR	A	6	100	109	101	1.01
345-2	3807	A	6	50	102	46	0.92
345-3	3808	E	10	225	277	230	1.02
345-4	3809	D	8	175	150	164	0.94
VAV-3-45				**550**		**541**	**0.98**
346-1	3510	A	6	40	108	40	1.00
346-2	3505	B	8	200	167	190	0.95
346-3	3505	B	8	225	223	236	1.05
346-4	CORR 3501	A	8	100	108	108	1.08
VAV-3-46				**565**		**574**	**1.02**
347-1	3321	K	14	150	218	154	1.03
VAV-3-47				**150**		**154**	**1.03**
348-1	3803	M	18X18	500	528	503	1.01
VAV-3-48				**500**		**503**	**1.01**
349-1	3071	M	18X18	1100	1488	1098	1.00
VAV-3-49				**1100**		**1098**	**1.00**
350-1	3804	B	8	160	236	153	0.96
350-2	3805	A	6	130	65	125	0.96
VAV-3-50				**290**		**278**	**0.96**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: AHU-4 **Area: FOURTH FLOOR**

Supply Side

Unit Data	
Manufacturer	YORK
Model Number	YCI-84X126
Serial Number	TFMM191120
Configuration	VERTICAL
No. Pre Filters / Size	12 / 24X24X2
No. Pre Filters / Size	3 / 24X20X2
No. Primary Filters / Size	12 / 24X24X4
No. Primary Filters / Size	3 / 24X20X4

Motor Data X 4	
Motor MFG / Frame	BALDOR / 215T
Horsepower / RPM	10.0 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	12.50 / 1.15

Test Data	Design	Actual
Total CFM	23600	23643
Min OA CFM	3600	3636
Fan RPM	2333	2111
VFD Speed	77.8	70.4
RL Voltage	460	469 VFD
RL Amperage	12.50	7.9 VFD
Motor B.H.P.	8.07	6.32

Performance Data	Design	Actual
Suction S.P.		-2.36"
Discharge S.P.		1.78"
Total SP	6.07	4.14"
CW Coil P.D.	0.72	0.56"
HW Coil P.D.	0.03	1.30" *
Pre Filters P.D.*	0.20	* combined
Primary Filters P.D.	0.50	* combined
Total ESP	3.00	2.28"
System Set Point		1.30"

CONNECTD LOAD 28770

Return Side

Unit Data	
Manufacturer	YORK
Model Number	YCI-84X126
Serial Number	TFMM191120
Configuration	VERTICAL

Motor Data X 4	
Motor MFG / Frame	BALDOR / 215T
Horsepower / RPM	10.0 / 1800
Rated Volts / Phase	460 / 3
Rated Amperage / SF	12.50 / 1.15

Test Data	Design	Actual
Total CFM	23600	23843
Relief CFM		3836
Fan RPM	2591	1976
VFD Speed	86.4	65.9
RL Voltage	460	469 VFD
RL Amperage	12.50	5.2 VFD
Motor B.H.P.	4.30	4.16

Performance Data	Design	Actual
Suction S.P.		-0.65"
Discharge S.P.		0.18"
Total SP	2.60	0.83"
SF GAIN:		0.985
OA GAIN:		0.827
RA GAIN:		0.932

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Project: Wake County Public Health
Address: 200 Swinburne Road Raleigh, NC 27610

Asset: VAV's Floor 4

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Design Heat CFM	Actual Heat CFM	Ak (max)
VAV-4-01	4009	REHEAT	10	970	970	290	298	580	569	0.711
VAV-4-02	4012	REHEAT	8	675	690	205	212	405	398	0.641
VAV-4-03	4013	REHEAT	10	975	971	295	301	585	591	0.718
VAV-4-04A	4016	REHEAT	6	250	249	75	77	150	152	0.642
VAV-4-04B	4017	REHEAT	8	525	528	160	165	315	321	0.665
VAV-4-05A	4018	REHEAT	6	400	393	120	122	240	238	0.593
VAV-4-05B	4019	REHEAT	6	250	252	75	79	150	154	0.651
VAV-4-06A	4600	REHEAT	10	860	842	230	240	455	461	0.848
VAV-4-06B	4600	REHEAT	10	770	779	290	289	575	570	0.749
VAV-4-06C	OPEN OFFICE	REHEAT	10	770	777	230	242	460	461	0.717
VAV-4-07	OPEN OFFICE	REHEAT	8	570	576	170	164	570	581	0.69
VAV-4-08A	4800	REHEAT	10	920	920	275	281	920	914	0.663
VAV-4-08B	4800	REHEAT	10	920	944	275	285	920	926	0.718
VAV-4-09A	4400	REHEAT	12	1200	1189	360	371	1200	1209	0.719
VAV-4-09B	4400	REHEAT	12	1200	1214	360	368	720	731	0.732
VAV-4-09C	4400	REHEAT	12	1200	1210	360	351	720	731	0.752
VAV-4-09D	4400	REHEAT	10	960	986	290	293	575	582	0.739
VAV-4-10	4101	REHEAT	12	1460	1447	440	451	875	888	0.724
VAV-4-11	4012	REHEAT	10	750	756	225	222	450	461	0.742
VAV-4-12	4007	REHEAT	6	215	221	65	69	130	133	0.648
VAV-4-13	4014A	REHEAT	10	920	951	275	266	550	564	0.682
VAV-4-14	4014B	REHEAT	8	700	700	210	219	420	415	0.689
VAV-4-15	4020A	REHEAT	8	625	632	205	209	410	419	0.748
VAV-4-16	4422	REHEAT	8	630	638	190	197	630	642	0.689
VAV-4-17	4419	REHEAT	6	220	224	65	62	130	137	0.655
VAV-4-18A	4600	REHEAT	10	1000	992	300	312	600	626	0.761
VAV-4-18B	4600	REHEAT	10	800	826	240	240	480	491	0.707
VAV-4-19	4314	REHEAT	8	430	434	130	132	430	439	0.692
VAV-4-20	4216	REHEAT	8	505	518	150	157	505	512	0.73
Notes	VAV 4-06A: connected load 860 scheduled 760 max. Increased max value									
	VAV 4-06B: connected load 770 scheduled 960 max. Decreased max value									
	VAV 4-15: connected load 625 scheduled 680 max. Decreased max value									

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: VAV's Floor 4

Asset	Area Served	Type	Size	Design Max CFM	Actual Max CFM	Design Min CFM	Actual Min CFM	Design Heat CFM	Actual Heat CFM	Ak (max)
VAV-4-21	4212	REHEAT	6	350	356	105	110	210	212	0.687
VAV-4-22	4309	REHEAT	8	500	507	150	152	500	501	0.716
VAV-4-23	4312	REHEAT	8	450	456	135	135	270	280	0.699
VAV-4-24	4401	REHEAT	8	435	433	130	138	260	267	0.732
VAV-4-25	4402	REHEAT	8	450	450	135	141	270	270	0.704
VAV-4-26	4404	REHEAT	8	460	467	140	138	275	276	0.712
VAV-4-27	4407	REHEAT	8	450	444	135	142	270	278	0.703
VAV-4-28	4107	REHEAT	8	470	480	140	148	280	271	0.697
VAV-4-29	4023	REHEAT	8	400	401	120	123	240	247	0.722
VAV-4-30	4001	REHEAT	12	1320	1335	395	404	790	779	0.682
VAV-4-31	4421	REHEAT	6	150	152	45	47	90	92	0.614
VAV-4-32	4301	COOL	10	1065	1074	150	157	0	0	0.688
VAV-4-33	4010	COOL	8	600	606	212	205	0	0	0.623
				28770						
Notes:	VAV 4-33: connected load 600 scheduled 675 max. Decreased max value									

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
401-1	4006	A	8	130	149	136	1.05
401-2	4008	E	10	250	316	252	1.01
401-3	4009	D	8	195	231	191	0.98
401-4	4006	D	8	200	175	209	1.05
401-5	4009	D	8	195	196	182	0.93
VAV-4-01				**970**		**970**	**1.00**
402-1	4012	D	10	225	214	226	1.00
402-2	4012	D	10	225	235	233	1.04
402-3	4012	D	10	225	249	231	1.03
VAV-4-02				**675**		**690**	**1.02**
403-1	4013	D	8	225	170	231	1.03
403-2	4013	D	8	225	166	229	1.02
403-3	4013	D	8	225	173	229	1.02
403-4	4013	D	8	150	164	141	0.94
403-5	4013	D	8	150	193	141	0.94
VAV-4-03				**975**		**971**	**1.00**
404A-1	4016	D	10	125	128	123	0.98
404A-2	4016	D	10	125	130	126	1.01
VAV-4-04A				**250**		**249**	**1.00**
404B-1	4017	D	10	175	128	172	0.98
404B-2	4017	D	10	175	134	177	1.01
404B-3	4017	D	10	175	153	179	1.02
VAV-4-04B				**525**		**528**	**1.01**
405A-1	4018	D	10	200	154	200	1.00
405A-2	4018	D	10	200	98	193	0.97
VAV-4-05A				**400**		**393**	**0.98**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
405B-1	4019	E	10	250	250	252	1.01
VAV-4-05B				**250**		**252**	**1.01**
406A-1	4600	B	8	100	90	103	1.03
406A-2	4600	E	10	190	202	192	1.01
406A-3	4600	E	10	190	213	186	0.98
406A-4	4600	E	10	190	202	188	0.99
406A-5	4600	E	10	190	131	173	0.91
VAV-4-06A				**860**		**842**	**0.98**
406B-1	4600	B	8	100	97	101	1.01
406B-2	4600	B	8	100	87	105	1.05
406B-3	4600	E	10	190	50	188	0.99
406B-4	4600	E	10	190	215	199	1.05
406B-5	4600	E	10	190	231	186	0.98
VAV-4-06B				**770**		**779**	**1.01**
406C-1	4600	B	8	100	103	101	1.01
406C-2	4600	B	8	100	123	94	0.94
406C-3	4600	E	10	190	256	198	1.04
406C-4	4600	E	10	190	206	189	0.99
406C-5	4600	E	10	190	208	195	1.03
VAV-4-06C				**770**		**777**	**1.01**
407-1	4600	E	10	190	123	193	1.02
407-2	4600	E	10	190	255	188	0.99
407-3	4600	E	10	190	281	195	1.03
VAV-4-07				**570**		**576**	**1.01**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
408A-1	4800	B	8	145	204	143	0.99
408A-2	4800	B	8	145	190	146	1.01
408A-3	4800	E	10	210	175	203	0.97
408A-4	4800	E	10	210	190	215	1.02
408A-5	4800	E	10	210	191	213	1.01
VAV-4-08A				**920**		**920**	**1.00**
408B-1	4800	B	8	145	206	149	1.03
408B-1	4800	B	8	145	180	147	1.01
408B-1	4800	E	10	210	174	212	1.01
408B-1	4800	E	10	210	166	212	1.01
408B-1	4800	E	10	210	161	224	1.07
VAV-4-08B				**920**		**944**	**1.03**
409A-1	4400	B	8	120	147	119	0.99
409A-2	4400	E	10	210	308	222	1.06
409A-3	4400	B	8	120	146	124	1.03
409A-4	4400	E	10	210	20	193	0.92
409A-5	4400	B	8	120	145	114	0.95
409A-6	4400	E	10	210	312	199	0.95
409A-7	4400	E	10	210	293	218	1.04
VAV-4-09A				**1200**		**1189**	**0.99**
409B-1	4400	E	10	210	181	208	0.99
409B-2	4400	C	8	120	129	119	0.99
409B-3	4400	L	10	210	213	224	1.07
409B-4	4400	B	8	120	120	119	0.99
409B-5	4400	L	10	210	226	212	1.01
409B-6	4400	B	8	120	107	117	0.98
409B-7	4400	L	10	210	241	215	1.02
VAV-4-09B				**1200**		**1214**	**1.01**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
409C-1	4400	E	10	210	219	212	1.01
409C-2	4400	E	10	210	221	215	1.02
409C-3	4400	B	8	120	119	122	1.02
409C-4	4400	B	8	120	114	124	1.03
409C-5	4400	E	10	210	223	209	1.00
409C-6	4400	B	8	120	103	115	0.96
409C-7	4400	E	10	210	210	213	1.01
VAV-4-09C				**1200**			**0.00**
409D-1	4400	B	8	120	145	124	1.03
409D-2	4400	B	8	120	140	123	1.03
409D-3	4400	B	8	120	139	125	1.04
409D-4	4400	B	8	120	147	124	1.03
409D-5	4400	B	8	120	139	122	1.02
409D-6	4400	B	8	120	136	119	0.99
409D-7	4400	B	8	120	123	124	1.03
409D-8	4400	B	8	120	130	125	1.04
VAV-4-09D				**960**		**986**	**1.03**
410-1	4101	D	8	200	189	184	0.92
410-2	4101	D	8	200	225	209	1.05
410-3	4101	D	8	200	216	194	0.97
410-4	4101	B	8	130	182	129	0.99
410-5	4101	D	8	200	216	196	0.98
410-6	4101	D	8	200	236	199	1.00
410-7	4101	B	8	130	162	130	1.00
410-8	4101	D	8	200	246	206	1.03
VAV-4-10				**1460**		**1447**	**0.99**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
411-1	TRAIN 4012	B	8	150	209	154	1.03
411-2	TRAIN 4012	B	8	150	30	146	0.97
411-3	TRAIN 4012	B	8	150	210	149	0.99
411-4	TRAIN 4012	B	8	150	234	157	1.05
411-5	TRAIN 4012	B	8	150	220	150	1.00
VAV-4-11				**750**		**756**	**1.01**
412-1	4007	A	6	125	135	128	1.02
412-2	4005	A	6	90	83	93	1.03
VAV-4-12				**215**		**221**	**1.03**
413-1	4014A	D	8	115	112	118	1.03
413-2	4014A	D	8	115	131	119	1.03
413-3	4014A	D	8	115	140	112	0.97
413-4	4014A	D	8	115	119	122	1.06
413-5	4014A	D	8	115	128	120	1.04
413-6	4014A	D	8	115	126	123	1.07
413-7	4014A	D	8	115	143	117	1.02
413-8	4014A	D	8	115	145	120	1.04
VAV-4-13				**920**		**951**	**1.03**
414-1	4014B	D	8	140	141	136	0.97
414-2	4014B	D	8	140	153	143	1.02
414-3	4014B	D	8	140	154	145	1.04
414-4	4014B	D	8	140	146	133	0.95
414-5	4014B	D	8	140	150	143	1.02
VAV-4-14				**700**		**700**	**1.00**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
415-1	CORR	B	8	175	198	180	1.03
415-2	4020A	A	6	75	168	77	1.03
415-3	4015	A	6	125	114	128	1.02
415-4	4020B	A	6	150	221	149	0.99
415-5	4003	A	6	100	81	98	0.98
VAV-4-15				**625**		**632**	**1.01**
416-1	4422	C	10	200	218	206	1.03
416-2	4423	B	8	115	119	110	0.96
416-3	4423	B	8	115	118	117	1.02
416-4	4422	C	10	200	228	205	1.03
VAV-4-16				**630**		**638**	**1.01**
417-1	4420	B	8	110	115	110	1.00
417-2	4419	B	8	110	117	114	1.04
VAV-4-17				**220**		**224**	**1.02**
418A-1	4600	B	8	200	262	210	1.05
418A-2	4600	B	8	200	248	200	1.00
418A-3	4600	B	8	200	251	201	1.01
418A-4	4600	B	8	200	195	185	0.93
418A-5	4600	B	8	200	253	196	0.98
VAV-4-18A				**1000**		**992**	**0.99**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
418-1	4600	B	8	200	213	209	1.05
418-2	4600	B	8	200	205	213	1.07
418-3	4600	B	8	200	223	195	0.98
418-4	4600	B	8	200	234	209	1.05
VAV-4-18B				**800**		**826**	**1.03**
419-1	OFFICE	A	6	105	103	107	1.02
419-2	OFFICE	A	6	110	103	113	1.03
419-3	OFFICE	A	6	105	128	104	0.99
419-4	OFFICE	A	6	110	139	110	1.00
VAV-4-19				**430**		**434**	**1.01**
420-1	4303	A	6	50	101	53	1.06
420-2	4305	A	6	115	109	115	1.00
420-3	4215	A	6	115	112	115	1.00
420-4	4214	A	6	110	122	118	1.07
420-5	4307	A	6	115	131	117	1.02
VAV-4-20				**455**		**465**	**1.02**
421-1	4212	A	6	115	119	123	1.07
421-2	4210	A	6	125	119	123	0.98
421-3	4208	A	6	110	133	110	1.00
VAV-4-21				**350**		**356**	**1.02**
422-1	4206	A	6	110	91	115	1.05
422-2	4309	A	6	115	120	115	1.00
422-3	4308	B	6	165	219	169	1.02
422-4	4207	A	6	110	112	108	0.98
VAV-4-22				**500**		**507**	**1.01**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
423-1	4312	A	6	115	122	117	1.02
423-2	4204	A	6	110	120	113	1.03
423-3	4310	A	6	115	130	118	1.03
423-4	4205	A	6	110	124	108	0.98
VAV-4-23				**450**		**456**	**1.01**
424-1	4116	A	6	110	134	125	1.14
424-2	4401	A	6	130	105	196	1.51
424-3	4200	B	8	195	256	112	0.57
VAV-4-24				**435**		**433**	**1.00**
425-1	4403	A	6	115	126	118	1.03
425-2	4402	A	6	115	129	119	1.03
425-3	4114	A	6	105	118	104	0.99
425-4	4115	A	6	110	119	109	0.99
VAV-4-25				**445**		**450**	**1.01**
426-1	4405	A	6	115	131	112	0.97
426-2	4404	A	6	115	141	122	1.06
426-3	4113	A	6	120	118	120	1.00
426-4	4112	A	6	110	129	113	1.03
VAV-4-26				**460**		**467**	**1.02**
427-1	4407	A	6	110	123	109	0.99
427-2	4406	A	6	115	128	118	1.03
427-3	4111	A	6	110	124	110	1.00
427-4	4110	A	6	110	119	107	0.97
VAV-4-27				**445**		**444**	**1.00**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FLOOR 4 SUPPLY

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
428-1	4109	A	6	120	122	124	1.03
428-2	4108	A	6	100	93	102	1.02
428-3	4107	A	6	125	141	126	1.01
428-4	4106	A	6	125	146	128	1.02
VAV-4-28				**470**		**480**	**1.02**
429-1	4024	B	8	200	241	201	1.01
429-2	4023	B	8	200	213	200	1.00
VAV-4-29				**400**		**401**	**1.00**
430-1	4001	E	8	175	175	179	1.02
430-2	4001	E	8	175	185	172	0.98
430-3	4001	E	8	175	192	178	1.02
430-4	4001	E	8	175	173	176	1.01
430-5	4001	E	8	175	180	183	1.05
430-6	4001	E	8	175	184	178	1.02
430-7	CORR-4004	B	8	175	214	177	1.01
430-8	CORR	A	6	95	108	92	0.97
VAV-4-30				**1320**		**1335**	**1.01**
431-1	4421	E6	10	150	156	152	1.01
VAV-4-31				**150**		**152**	**1.01**
432-1	4301	M	14X14	1065	1146	1074	1.01
VAV-4-32				**1065**		**1378**	**1.29**
433-1	4010	M	12X12	600	612	606	1.01
VAV-4-33				**600**		**3058**	**5.10**

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FCU-01 **Area: LOADING DOCK 2150**

Unit Data	
MFG	TRANE
Model Num	BCHE036
Serial Num	

Motor Data	
Motor MFG	
Horsepower	1
Motor Rpm	
Phase	1
Voltage (rated)	277
Amperage (rated)	6.73

Test Data		
	Design	**Actual**
SA CFM	600	656
Fan RPM	1672	1558
RA CFM	600	656
RL Voltage	277	285
RL Amperage	3.8	2.9
Suction ESP		0.21
Discharge ESP		0.10
Total ESP	0.5	0.31

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FCU-02 **Area: CHILLER UTILITY 2160**

Unit Data	
MFG	TRANE
Model Num	BCHE054DBAOA3CA4
Serial Num	H24E42812

Motor Data	
Motor MFG	TRANE
Horsepower	1
Motor Rpm	1725
Phase	1
Voltage (rated)	277
Amperage (rated)	6.7

Test Data		
	Design	**Actual**
SA CFM	1800	1756
Fan RPM	1724	1237
RA CFM	1800	1756
RL Voltage	277	285
RL Amperage	6.73	4.6
Suction ESP		ROOM
Discharge ESP		0.19
Total ESP	1	0.19

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FCU-03 **Area: STAIR A (SA3)**

Unit Data	
MFG	TRANE
Model Num	BCHE036DBAOA4CA4
Serial Num	H24E42811

Motor Data	
Motor MFG	TRANE
Horsepower	1
Motor Rpm	1725
Phase	1
Voltage (rated)	277
Amperage (rated)	6.7

Test Data		
	Design	**Actual**
SA CFM	1200	1129
Fan RPM	1672	1666
RA CFM	1200	1129
RL Voltage	277	287.5
RL Amperage	3.8	5.9
Suction ESP		0.09"
Discharge ESP		-0.29
Total ESP	0.5	0.38"

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
F3-1	SA3	M	18X18	1200	1129	1129	0.94
SA				**1200**		**1129**	0.94

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: FCU-04 **Area: STAIR B**

Unit Data	
MFG	TRANE
Model Num	BCHE036DBA0A4CA4
Serial Num	H24E42810

Motor Data	
Motor MFG	TRANE
Horsepower	1
Motor Rpm	1725
Phase	1
Voltage (rated)	277
Amperage (rated)	6.7

Test Data		
	Design	**Actual**
SA CFM	1200	1110
Fan RPM	1672	1725
RA CFM	1200	1110
RL Voltage	277	285.6
RL Amperage	3.8	3.3
Suction ESP		0.06
Discharge ESP		1.38
Total ESP	0.5	1.42

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
F4-1	SA3	M	18X18	1200	1061	1110	0.93
SA				**1200**		**1110**	0.93

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-01 **Area: GENERAL EXHAUST**

Unit Data	
MFG	GREENHECK
Model Num	CUE-200HP-50-VG-1-30-X
Serial Num	24572673
Type	CRE

Motor Data	
Motor MFG	BALDOR RELIANCE
Frame	184T
Horsepower	5
Motor Rpm	1800
Phase	3
Voltage (rated)	460
Amperage (rated)	5.3
Service Factor	1

Test Data		
	Design	**Actual**
CFM	4855	4744
Fan RPM	1618	9 ON DIAL
RL Voltage	460	471 Avg
RL Amperage	5.3	4.9 Avg
Suction ESP		-2.3"
Total ESP	2.5	2.3"

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-01 EXHAUST

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-1	4021	EG	6	75	234	71	0.95
1-2	4023	E2	6X6	150	208	142	0.95
1-3	4023	E2	6X6	150	208	150	1.00
1-4	4024	E2	6X6	150	170	142	0.95
1-5	4024	E2	6X6	150	161	142	0.95
1-6	3006	E3	6	75	0	72	0.96
1-7	3003	E2	6X6	150	168	142	0.95
1-8	3003	E2	6X6	150	191	142	0.95
1-9	3002	E2	6X6	150	144	145	0.97
1-10	3002	E2	6X6	150	142	144	0.96
1-11	3005	E1	6	75	185	71	0.95
1-12	3522	E4	8	150	121	153	1.02
1-13	3352	E1	6	75	87	75	1.00
1-14	3351	E1	6	75	60	76	1.01
1-15	3509	E1	6	75	81	76	1.01
1-16	3507	E3	6	100	60	104	1.04
1-17	3113	E1	6	75	63	78	1.04
1-18	3120	E1	6	75	65	78	1.04
1-19	3103	E1	6	75	69	78	1.04
1-20	2003	E2	6X6	150	175	146	0.97
1-21	2003	E2	6X6	150	179	149	0.99
1-22	2002	E2	6X6	150	146	140	0.93
1-23	2002	E2	6X6	150	143	143	0.95
1-24	2005	E1	6	75	153	72	0.96
1-25	2520	E1	6	100	7	95	0.95
1-26	2528	E3	6	100	18	92	0.92
1-27	2302	E1	6	75	55	70	0.93
1-28	2810	E3	6	150	64	140	0.93
1-29	2809	E1	6	75	50	70	0.93
1-30	2110	E3	6	150	69	145	0.97
				3450	3476		

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-02 **Area: GENERAL EXHAUST**

Unit Data	
MFG	GREENHECK
Model Num	CUE-140HP-VG
Serial Num	
Type	CRE

Motor Data	
Motor MFG	
Frame	
Horsepower	1
Motor Rpm	2280
Phase	3
Voltage (rated)	460
Amperage (rated)	1.8
Service Factor	

Test Data		
	Design	**Actual**
CFM	2675	
Fan RPM	2271	
RL Voltage	460	
RL Amperage	1.8	
Suction ESP		
Total ESP	2.271	

NATIONAL TAB INTELLIGENCE

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-02 EXHAUST

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
2-1	3609	E1	6	75			0.00
2-2	3607	E1	6	100			0.00
2-3	3620	E4	8	200			0.00
2-4	3807	E1	6	75			0.00
2-5	3519	E1	6	75			0.00
2-6	3805	E3	6	150			0.00
2-7	3619	E1	6	75			0.00
2-8	3709	E1	6	75			0.00
2-9	3707	E1	6	100			0.00
2-10	3719	E1	6	75			0.00
2-11	2739	E6	10X12	100			0.00
2-12	2652	E4	8	150			0.00
2-13	2653	E1	6	75			0.00
2-14	2805	E1	6	75			0.00
2-15	2651	E1	6	75			0.00
2-16	2726	E1	6	75			0.00
2-17	2725	E1	6	75			0.00
2-18	2719	E1	6	75			0.00
2-19	2720	E1	6	75			0.00
2-20	1622	E4	8	200			0.00
2-21	1519	E1	6	75			0.00
2-22	1609	E1	6	75			0.00
2-23	1607	E1	6	100			0.00
2-24	1807	E1	6	75			0.00
2-25	1805	E1	6	75			0.00
2-26	1619	E1	6	75			0.00
2-27	1718	E1	6	75			0.00
2-28	1707	E1	6	75			0.00
2-29	1719	E1	6	75			0.00
				2675			

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-03 **Area: 2053 INSTRUMENT ROOM**

Unit Data	
MFG	GREENHECK
Model Num	SQ-120-X
Serial Num	24581102
Type	INLINE

Motor Data	
Motor MFG	BALDOR RELIANCE
Frame	56
Horsepower	0.5
Motor Rpm	1725
Phase	1
Voltage (rated)	115
Amperage (rated)	7.2
Service Factor	1

Test Data		
	Design	**Actual**
CFM	575	
Fan RPM	1725	
RL Voltage	115	
RL Amperage	9.8	
Suction ESP		
Total ESP	1.246	

NOTES:

Wrong rotation, Single phase, no speed controller

NO FUME HOOD YET

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
3-1	2053		12	575			0.00

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-01 EXHAUST

Asset	Area Served	Type	Size	DESIGN CFM	Prelim CFM	FINAL CFM	% to design
1-31	1003	E2	6X6	150	151	151	1.01
1-32	1003	E2	6X6	150	183	146	0.97
1-33	1002	E2	6X6	150	78	146	0.97
1-34	1002	E2	6X6	150	114	146	0.97
1-35	1005	E2	6X6	150	100	153	1.02
1-36	1006	E2	6X6	150	124	156	1.04
1-37	1143	E1	6	65	97	65	1.00
1-38	1144	E1	6	75	111	73	0.97
1-39	1142	E1	6	65	22	65	1.00
1-40	1524	E4	8	0	DNE	0	
1-41	1813	E1	6	75	89	72	0.96
1-42	1509	E1	6	75	104	75	1.00
1-43	1507	E4	8	150	182	153	1.02
				1405	1355	1401	1.00
PAGE 1				3450		3343	0.97
PAGE 2				1405		1401	1.00
TOTAL				**4855**		4744	0.98
NOTE: 1-40 DOES NOT EXIST AS IT IS AN EXAM ROOM							

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-04 **Area: TB CLINIC**

Unit Data	
MFG	GREENHECK
Model Num	FJI-10-BI-41-4-100-M20-X
Serial Num	24722624
Type	CFE

Motor Data	
Motor MFG	BALDOR RELIANCE
Frame	145T
Horsepower	2
Motor Rpm	3490
Phase	3
Voltage (rated)	460
Amperage (rated)	2.5
Service Factor	1.15

Test Data		
	Design	**Actual**
CFM	1715	1592
Fan RPM	3014	3490
VFD Speed		72 Hz
RL Voltage	460	470 VFD
RL Amperage		2.5 VFD
Suction ESP		-2.19"
Discharge ESP		0.09"
Total ESP	2.692	2.28"
Brake Horse Power	0.87	2.00

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
4-1	2620	E6	10X12	325	271	301	0.93
4-2	2523	E1	6	100	82	95	0.95
4-3	2519	E1	6	100	82	95	0.95
4-4	2618	E6	10X12	240	200	222	0.93
4-5	2616	E6	10X12	240	203	225	0.94
4-6	2614	E6	10X12	225	190	211	0.94
4-7	2612	E6	10X12	215	175	194	0.90
4-8	2610	E6	10X12	270	224	249	0.92
				1715		1592	0.93

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-05 **Area: CHILLER UTILITY**

Unit Data	
MFG	GREENHECK
Model Num	BSQ-160-30-X
Serial Num	24579839
Type	INLINE

Motor Data	
Motor MFG	BALDOR RELIANCE
Frame	182T
Horsepower	3
Motor Rpm	1765
Phase	3
Voltage (rated)	460
Amperage (rated)	4.2
Service Factor	1.15

Drive Data	
Motor Sheave Size	1VP50
Motor Bore Size	1.125
Fan Sheave Size	AK51
Fan Bore Size	1"
Belt CL Distance	20.0"
No of Belts	1
Belt Size	AX55

Test Data		
	Design	**Actual**
CFM	4000	3952
Fan RPM	1626	1660
RL Voltage	460	465VFD
RL Amperage	4.8	3.05 VFD
Suction ESP		-1.15
Total ESP	1	1.27
Brake Horse Power	1.69	2.18

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-06 **Area: ELECTRICAL 2101**

Unit Data	
MFG	GREENHECK
Model Num	SQ-95-VG-X
Serial Num	24573944
Type	INLINE

Motor Data	
Motor MFG	VARIGREEN
Frame	56
Horsepower	0.25
Motor Rpm	1800
Phase	1
Voltage (rated)	115
Amperage (rated)	2.85
Service Factor	1.15

Test Data		
	Design	**Actual**
CFM	750	754
Fan RPM	1154	7.5
RL Voltage	115	123.6
RL Amperage	2.85	0.9
Suction ESP		0
Total ESP	0.3	0.08

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-07 **Area: ELECTRICAL 2103**

Unit Data	
MFG	GREENHECK
Model Num	SQ-95-VG-X
Serial Num	24573944
Type	INLINE

Motor Data	
Motor MFG	VARIGREEN
Frame	NA
Horsepower	0.17
Motor Rpm	1725
Phase	1
Voltage (rated)	115
Amperage (rated)	2.2
Service Factor	1.15

Test Data		
	Design	**Actual**
CFM	500	512
Fan RPM	1347	5.5
RL Voltage	115	123.8
RL Amperage	2.2	0.7
Suction ESP		0
Total ESP	0.3	0.02

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-03 **Area: 2053 INSTRUMENT ROOM**

Unit Data	
MFG	GREENHECK
Model Num	SQ-120-X
Serial Num	24581102
Type	INLINE

Motor Data	
Motor MFG	BALDOR RELIANCE
Frame	56
Horsepower	0.5
Motor Rpm	1725
Phase	1
Voltage (rated)	115
Amperage (rated)	7.2
Service Factor	1

Test Data		
	Design	**Actual**
CFM	575	
Fan RPM	1725	
RL Voltage	115	
RL Amperage	9.8	
Suction ESP		
Total ESP	1.246	

NOTES:

Wrong rotation, Single phase, no speed controller

NO FUME HOOD YET

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
3-1	2053		12	575			0.00

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: EF-09 **Area: TANK/INSTR. ROOM**

Unit Data	
MFG	GREENHECK
Model Num	SQ-120-X
Serial Num	24581101
Type	INLINE

Motor Data	
Motor MFG	BALDOR RELIANCE
Frame	56
Horsepower	0.25
Motor Rpm	1140
Phase	1
Voltage (rated)	115
Amperage (rated)	6
Service Factor	1

Test Data		
	Design	**Actual**
CFM	500	
Fan RPM	1140	
RL Voltage	115	
RL Amperage		
Suction ESP		
Total ESP	0.607	

NOTES:

Wrong rotation, Single phase, no speed controller

NO FUME HOOD YET

Asset	Area Served	Type	Size	DESIGN	CFM(1)	FINAL CFM	% to design
9-1	2053	DUCT	8	250			0.00
9-2	2054	E6	10X12	250			0.00
				500			

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CHILLER 1 (WATER COOLED)

UNIT DATA		
Unit Description	CH-1	
Manufacturer	TRANE	
Model Number	CVHE320	
Serial Number	L24D00965	
EVAPORATOR DATA	**Design**	**Actual**
Flow GPM	426.6	448.9
Pressure Drop	2.89 ft	3.2 FT
EWT	56	55
LWT	42	42
CONDENSER DATA	**Design**	**Actual**
Flow GPM	750	779
Pressure Drop	6.02 ft	6.5 ft
EWT	85	69
LWT	94.42	76

Asset: CHILLER 2

UNIT DATA		
Unit Description	CH-2	
Manufacturer	TRANE	
Model Number	CVHE320	
Serial Number	L24D00964	
EVAPORATOR DATA	**Design**	**Actual**
Flow GPM	426.6	434.6
Pressure Drop	2.89 ft	3.0 FT
EWT	56	55
LWT	42	42
CONDENSER DATA	**Design**	**Actual**
Flow GPM	750	773.3
Pressure Drop	6.02 ft	6.4 ft
EWT	85	74
LWT	94.42	80

6.4 cdwp 2

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CT-1

Unit Data	
Manufacturer	BAC
Model Num	S3E-8518-06L-2
Serial Num	14227-100

Test Data		
	Design	**Actual**
CW GPM	1500	1544
EWT (F)	95	85
LWT (F)	85	77

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: PCHWP-1

Unit Data	
	Actual
MFG	TACO
Model Num	3009D
Serial Num	Insulated over name plate
Service	Primary Chilled Water
Pump RPM	1760
GPM/Head	430 / 50
Impellar Diameter	7.8

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	215T
Horsepower	10
Motor RPM	1765
Phase	3
Voltage	460
Amperage	12.5
Service Factor	1.15
Efficiency	91.7
Power Factor	82

Test Data

	Design	**Actual**	**45 HZ**
Pump Off Pressure (psi)		28	
Pump Dead Head (ft)		63	
Act. Impellar Dia (in)	7.8	7.8	
Valve Open GPM		604	
Valve Open Diff (ft)		22.8	
Discharge Pressure (ft)		78.5	73.1
Suction Pressure (ft)		55.7	59.2
Total Head Pressure (ft)	50	22.8	13.9
Final GPM	430	604	448.9
Motor Frequency (HZ)	60	60	45.0
RL Voltage	460	469 VFD	469 VFD
RL Amperage	12.5	11.2 VFD	7.53 VFD
BHP		8.96	6.02

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: PCHWP-2

Unit Data	
	Actual
MFG	TACO
Model Num	3009D
Serial Num	Insulated over name plate
Service	Primary Chilled Water
Pump RPM	1760
GPM/Head	430 / 50
Impellar Diameter	7.8

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	215T
Horsepower	10
Motor RPM	1765
Phase	3
Voltage	460
Amperage	12.5
Service Factor	1.15
Efficiency	91.7
Power Factor	82

Test Data

	Design	**Actual**	**46 HZ**
Pump Off Pressure (psi)		28	
Pump Dead Head (ft)		63	
Act. Impellar Dia (in)	7.8	7.8	
Valve Open GPM		577.7	
Valve Open Diff (ft)		20.6	
Discharge Pressure (ft)		78.3	73.6
Suction Pressure (ft)		57.5	60.8
Total Head Pressure (ft)	50	20.6	12.8
Final GPM	430	577.7	434.6
Motor Frequency (HZ)	60	60	46
RL Voltage	460	467 VFD	470 VFD
RL Amperage	12.5	10.9 VFD	7.54 VFD
BHP		8.72	6.03

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: PCHWP-3

Unit Data	
	Actual
MFG	TACO
Model Num	3009D
Serial Num	Insulated over name plate
Service	Primary Chilled Water
Pump RPM	1760
GPM/Head	430 / 50
Impellar Diameter	7.8

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	215T
Horsepower	10
Motor RPM	1765
Phase	3
Voltage	460
Amperage	12.5
Service Factor	1.15
Efficiency	91.7
Power Factor	82

Test Data			
	Design	**Actual**	**44.1 HZ**
Pump Off Pressure (psi)		28	
Pump Dead Head (ft)		63	
Act. Impellar Dia (in)	7.8	7.8	
Valve Open GPM		622	
Valve Open Diff (ft)		23.9	
Discharge Pressure (ft)		79.5	74.6
Suction Pressure (ft)		58.0	60.09
Total Head Pressure (ft)	50	21.5	13.7
Final GPM	430	604	457
Motor Frequency (HZ)	60	60	44.1
RL Voltage	460	468 VFD	468 VFD
RL Amperage	12.5	11.1 VFD	7.68 VFD
BHP		8.88	6.14

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

CDWP-2

Unit Data	
	Actual
MFG	TACO
Model Num	4009D
Serial Num	F0446256
Service	Condenser Water
Pump RPM	1750
GPM/Head	750 / 50
Impellar Diameter	8.40

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	254T
Horsepower	15
Motor RPM	1765
Phase	3
Voltage	460
Amperage	18.1
Service Factor	1.15
Efficiency	92.4
Power Factor	83

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		6.2
Pump Dead Head (ft)		67
Act. Impellar Dia (in)	8.4	8.4
Valve Open GPM		927.2
Valve Open Diff (ft)		41.54
Discharge Pressure (ft)		27.02
Suction Pressure (ft)		-6.26
Total Head Pressure (ft)	50	33.28
Final GPM	750	779
Motor Frequency (HZ)	60	51.5
RL Voltage	460	496/496/494
RL Amperage	18.1	8.6/8.3/8.7
BHP		7.07

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CDWP-1

Unit Data	
	Actual
MFG	TACO
Model Num	4009D
Serial Num	F0446256
Service	Condenser Water
Pump RPM	1750
GPM/Head	750 / 50
Impellar Diameter	8.40

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	254T
Horsepower	15
Motor RPM	1765
Phase	3
Voltage	460
Amperage	18.1
Service Factor	1.15
Efficiency	92.4
Power Factor	83

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		6
Pump Dead Head (ft)		68.2
Act. Impellar Dia (in)	8.4	8.4
Valve Open GPM		927.2
Valve Open Diff (ft)		41.5
Discharge Pressure (ft)		23.4
Suction Pressure (ft)		-6.5
Total Head Pressure (ft)	50	29.9
Final GPM	750	773.4
Motor Frequency (HZ)	60	51.4
RL Voltage	460	471 VFD
RL Amperage	18.1	14.0 VFD
BHP		11.60

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CDWP-3

Unit Data	
	Actual
MFG	TACO
Model Num	4009D
Serial Num	F0446256
Service	Condenser Water
Pump RPM	1760
GPM/Head	750 / 50
Impellar Diameter	8.40

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	254T
Horsepower	15
Motor RPM	1765
Phase	3
Voltage	460
Amperage	18.1
Service Factor	1.15
Efficiency	92.4
Power Factor	83

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		6.2
Pump Dead Head (ft)		67
Act. Impellar Dia (in)	8.4	8.4
Valve Open GPM		891.2
Valve Open Diff (ft)		40.88
Discharge Pressure (ft)		27.2
Suction Pressure (ft)		-5.46
Total Head Pressure (ft)	50	32.66
Final GPM	750	765
Motor Frequency (HZ)	60	51.5
RL Voltage	460	496/496/494
RL Amperage	18.1	8.5/8.2/8.4
BHP		6.93

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: SCHWP-1

Unit Data	
	Actual
MFG	TACO
Model Num	3011D
Serial Num	Insulated over name plate
Service	SECONDARY CHILLED WATER
Pump RPM	1760
GPM/Head	500 / 100
Impellar Diameter	10.7

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	256T
Horsepower	20
Motor RPM	1765
Phase	3
Voltage	460
Amperage	24
Service Factor	1.15
Efficiency	93
Power Factor	85

Test Data			
	Design	**Actual**	**48 HZ**
Pump Off Pressure (psi)		28	
Pump Dead Head (ft)		130	
Act. Impellar Dia (in)	10.7	10.7	
Valve Open GPM		665	
Valve Open Diff (ft)		124.7	
Discharge Pressure (ft)		121.9	101.8
Suction Pressure (ft)		55.1	59
Total Head Pressure (ft)		66.8	42.8
Final GPM	500	665	502
Motor Frequency (HZ)	60	60	48
System Set Point		16 PSID	10 PSID
RL Voltage	460	464 VFD	466 VFD
RL Amperage	24	24.3 VFD	17.3 VFD
BHP		20.0	14.42

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: SCHWP-2

Unit Data	
	Actual
MFG	TACO
Model Num	3011D
Serial Num	Insulated over name plate
Service	SECONDARY CHILLED WATER
Pump RPM	1760
GPM/Head	500 / 100
Impellar Diameter	10.7

Motor Data	
	Actual
Motor MFG	BALDOR
Frame	256T
Horsepower	20
Motor RPM	1765
Phase	3
Voltage	460
Amperage	24
Service Factor	1.15
Efficiency	93
Power Factor	85

Test Data			
	Design	**Actual**	**48 HZ**
Pump Off Pressure (psi)		28	
Pump Dead Head (ft)		130	
Act. Impellar Dia (in)	10.7	10.7	
Valve Open GPM		617	
Valve Open Diff (ft)		64.7	
Discharge Pressure (ft)		120.7	102.4
Suction Pressure (ft)		55.9	59.3
Total Head Pressure (ft)	100	64.7	43.1
Final GPM	500	617	502
Motor Frequency (HZ)	60	60	48
System Set Point		16 PSID	10 PSID
RL Voltage	460	465 VFD	465 VFD
RL Amperage	24	23.4 VFD	16.3 VFD
BHP		19.5	13.58

National TAB

Project: Wake County Public Health
Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: CW Building Loop**

				60 hz					
Asset	**MFG**	**Model**	**Size**	**Design GPM**	**Setting**	**Design Coil P.D. (feet)**	**Actual Coil P.D. (feet)**	**Final GPM**	**% to Design**
AHU 1	TACO	ACCU-FLO	2.50	76.35	42	3.10	3.20	77.57	1.02
AHU 1	TACO	ACCU-FLO	2.50	76.35	45	3.10	3.10	76.35	1.00
AHU 2	TACO	ACCU-FLO	2.50	70.60	30	2.60	2.90	74.56	1.06
AHU 2	TACO	ACCU-FLO	2.50	70.60	30	2.60	2.70	71.94	1.02
AHU 3	TACO	ACCU-FLO	2.50	84.55	0	2.90	2.80	83.08	0.98
AHU 3	TACO	ACCU-FLO	2.50	84.55	0	2.90	2.80	83.08	0.98
AHU 4	TACO	ACCU-FLO	2.50	75.20	40	3.00	3.00	75.20	1.00
AHU 4	TACO	ACCU-FLO	2.50	75.20	45	3.00	3.00	75.20	1.00
				613.40				616.99	1.01
				48 hz					
Asset	**MFG**	**Model**	**Size**	**Design GPM**	**Setting**	**Design Coil P.D. (feet)**	**Actual Coil P.D. (feet)**	**Final GPM**	**% to Design**
AHU 1	TACO	ACCU-FLO	2.50	76.35	42	3.10	2.11	63.02	0.83
AHU 1	TACO	ACCU-FLO	2.50	76.35	45	3.10	2.05	62.03	0.81
AHU 2	TACO	ACCU-FLO	2.50	70.60	30	2.60	1.91	60.57	0.86
AHU 2	TACO	ACCU-FLO	2.50	70.60	30	2.60	1.78	58.45	0.83
AHU 3	TACO	ACCU-FLO	2.50	84.55	0	2.90	1.85	67.49	0.80
AHU 3	TACO	ACCU-FLO	2.50	84.55	0	2.90	1.85	67.49	0.80
AHU 4	TACO	ACCU-FLO	2.50	75.20	40	3.00	1.98	61.09	0.81
AHU 4	TACO	ACCU-FLO	2.50	75.20	45	3.00	1.98	61.09	0.81
				613.40				501.24	

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: PHWP-1 **Service: BOILERS**

Unit Data	
	Actual
MFG	TACO
Model Num	FI3007E4DCJ2L0DX
Serial Num	F0446243
Service	BOILER
Pump RPM	1750
GPM/Head	250 / 30
Impellar Diameter	5.85

Motor Data	
	Actual
Motor MFG	BALDOR RELIANCE
Frame	182T
Horsepower	3
Motor RPM	1765
Phase	3
Voltage	460
Amperage	4.2
Service Factor	1.15
Efficiency	89.5
Power Factor	74

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		29.89
Pump Dead Head (ft)	32.5	33.5
Act. Impellar Dia (in)		5.85
Valve Open GPM		270.1
Valve Open Diff (ft)		25.7
Discharge Pressure (ft)		88.2
Suction Pressure (ft)		62.5
Total Head Pressure (ft)	30	25.7
Final GPM	250	270.1
RL Voltage	460	470
RL Amperage	4.2	4.11
BHP		3.16

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: PHWP-1 **Service: BOILERS**

Unit Data	
	Actual
MFG	TACO
Model Num	FI3007E4DCJ2L0DX
Serial Num	F0446243
Service	BOILER
Pump RPM	1750
GPM/Head	250 / 30
Impellar Diameter	5.85

Motor Data	
	Actual
Motor MFG	BALDOR RELIANCE
Frame	182T
Horsepower	3
Motor RPM	1765
Phase	3
Voltage	460
Amperage	4.2
Service Factor	1.15
Efficiency	89.5
Power Factor	74

Test Data		
	Design	**Actual**
Pump Off Pressure (psi)		29.56
Pump Dead Head (ft)	32.5	32.7
Act. Impellar Dia (in)		5.85
Valve Open GPM		266.5
Valve Open Diff (ft)		26.4
Discharge Pressure (ft)		89.7
Suction Pressure (ft)		63.3
Total Head Pressure (ft)	30	26.4
Final GPM	250	266.5
RL Voltage	460	467
RL Amperage	4.2	4.07
BHP		3.11

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: SHWP-1 **Service: Heating**

Unit Data	
	Actual
MFG	TACO
Model Num	FI2506EDGCH2L0DX
Serial Num	F0446238
Service	HEATING
Pump RPM	3500
GPM/Head	250 / 130
Impellar Diameter	6.10

Motor Data	
	Actual
Motor MFG	BALDOR RELIANCE
Frame	215T
Horsepower	15
Motor RPM	3500
Phase	3
Voltage	460
Amperage	17.5
Service Factor	1.15
Efficiency	90.2
Power Factor	89

Test Data			
	Design	**60 HZ**	**50 HZ**
Pump Off Pressure (psi)		29.40	
Pump Dead Head (ft)	150	151.2	
Act. Impellar Dia (in)		6.10	
Valve Open GPM		326	
Valve Open Diff (ft)		78.4	
Discharge Pressure (ft)		143.1	124.5
Suction Pressure (ft)		64.7	69.1
Total Head Pressure (ft)	130	78.4	55.4
Final GPM	250	326	253
Motor Frequency (HZ)	60	60	50
System Set Point		34	25
RL Voltage	460	467 VFD	468 VFD
RL Amperage	17.5	15.5 VFD	12.1 VFD
BHP		13.85	***10.7***

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: SHWP-1 **Service: Heating**

Unit Data	
	Actual
MFG	TACO
Model Num	FI2506EDGCH2L0DX
Serial Num	F0446238
Service	HEATING
Pump RPM	3500
GPM/Head	250 / 130
Impellar Diameter	6.10

Motor Data	
	Actual
Motor MFG	BALDOR RELIANCE
Frame	215T
Horsepower	15
Motor RPM	3500
Phase	3
Voltage	460
Amperage	17.5
Service Factor	1.15
Efficiency	90.2
Power Factor	89

Test Data

	Design	**Actual**	**50 HZ**
Pump Off Pressure (psi)		34	
Pump Dead Head (ft)	150	151.2	
Act. Impellar Dia (in)		6.10	
Valve Open GPM		316	
Valve Open Diff (ft)		74.0	
Discharge Pressure (ft)		144.9	125.8
Suction Pressure (ft)		70.9	73.4
Total Head Pressure (ft)	130	74.0	52.4
Final GPM	250	316	250
Motor Frequency (HZ)	60	60	50
System Set Point		34 PSID	23 PSID
RL Voltage	460	466 VFD	469 VFD
RL Amperage	17.5	15.4 VFD	11.8 VFD
BHP		13.2	10.11

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D.	Actual P.D.	Final GPM	% to Design
VAV-1-01	TACO	ACCU-FLO	0.75	2.10	55.00	12.25	13.04	2.17	1.03
VAV-1-03	TACO	ACCU-FLO	0.75	1.10	85.00	3.36	3.78	1.17	1.06
VAV-1-04	TACO	ACCU-FLO	0.75	1.00	90.00	2.78	3.01	1.04	1.04
VAV-1-05	TACO	ACCU-FLO	0.75	1.20	80.00	4.00	4.24	1.24	1.03
VAV-1-06	TACO	ACCU-FLO	0.75	0.60	85.00	1.00	1.01	0.60	1.00
VAV-1-07	TACO	ACCU-FLO	0.75	2.90	45.00	23.36	24.57	2.97	1.03
VAV-1-08	TACO	ACCU-FLO	0.75	2.00	55.00	11.11	12.11	2.09	1.04
VAV-1-09	TACO	ACCU-FLO	0.75	0.70	85.00	1.36	1.48	0.73	1.04
VAV-1-10	TACO	ACCU-FLO	0.75	1.20	65.00	4.00	4.63	1.29	1.08
VAV-1-11	TACO	ACCU-FLO	0.75	3.40	40.00	32.11	38.30	3.71	1.09
VAV-1-12	TACO	ACCU-FLO	0.75	1.70	1.00	8.03	7.20	1.61	0.95
VAV-1-13	TACO	ACCU-FLO	0.75	2.90	50.00	23.36	24.55	2.97	1.03
VAV-1-14	TACO	ACCU-FLO	0.75	1.30	70.00	4.69	4.80	1.31	1.01
VAV-1-15	TACO	ACCU-FLO	0.75	1.20	80.00	4.00	4.20	1.23	1.02
VAV-1-16	TACO	ACCU-FLO	0.75	1.20	80.00	4.00	4.44	1.26	1.05
VAV-1-17	TACO	ACCU-FLO	0.75	1.80	65.00	9.00	9.33	1.83	1.02
VAV-1-18	TACO	ACCU-FLO	0.75	1.70	70.00	8.03	8.52	1.75	1.03
VAV-1-19	TACO	ACCU-FLO	0.75	1.50	75.00	6.25	6.39	1.52	1.01
VAV-1-20	TACO	ACCU-FLO	0.75	2.40	45.00	16.00	16.89	2.47	1.03
VAV-1-21	TACO	ACCU-FLO	0.75	1.00	65.00	2.78	3.07	1.05	1.05
VAV-1-22	TACO	ACCU-FLO	0.75	1.20	75.00	4.00	4.16	1.22	1.02
VAV-1-23	TACO	ACCU-FLO	0.75	3.20	50.00	28.44	29.50	3.26	1.02
VAV-1-25	TACO	ACCU-FLO	0.75	1.30	80.00	4.69	4.77	1.31	1.01
VAV-1-26	TACO	ACCU-FLO	0.75	1.40	70.00	5.44	5.69	1.43	1.02
VAV-1-27	TACO	ACCU-FLO	0.75	1.10	80.00	3.36	3.78	1.17	1.06
VAV-1-28	TACO	ACCU-FLO	0.75	1.00	80.00	2.78	2.61	0.97	0.97
VAV-1-29	TACO	ACCU-FLO	0.75	0.30	90.00	0.25	0.27	0.31	1.04
VAV-1-30A	TACO	ACCU-FLO	0.75	2.40	55.00	16.00	16.45	2.43	1.01
VAV-1-30B	TACO	ACCU-FLO	0.75	2.60	55.00	18.78	19.20	2.63	1.01
VAV-1-31	TACO	ACCU-FLO	0.75	1.10	70.00	3.36	3.33	1.09	1.00
VAV-1-32	TACO	ACCU-FLO	0.75	0.90	75.00	2.25	2.34	0.92	1.02
VAV-1-33	TACO	ACCU-FLO	0.75	1.10	80.00	3.36	3.64	1.14	1.04
VAV-1-34	TACO	ACCU-FLO	0.75	1.00	75.00	2.78	2.97	1.03	1.03
VAV-1-35	TACO	ACCU-FLO	0.75	1.10	65.00	3.36	3.88	1.18	1.07
VAV-1-36	TACO	ACCU-FLO	0.75	1.00	70.00	2.78	2.98	1.04	1.04
VAV-1-37	TACO	ACCU-FLO	0.75	0.30	90.00	0.25	0.29	0.32	1.08
VAV-1-38A	TACO	ACCU-FLO	0.75	2.40	25.00	16.00	18.30	2.57	1.07
VAV-1-38B	TACO	ACCU-FLO	0.75	2.60	55.00	18.78	20.28	2.70	1.04

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D.	Actual P.D.	Final GPM	% to Design
VAV-1-39	TACO	ACCU-FLO	0.75	1.10	50.00	3.36	3.89	1.18	1.08
VAV-1-40	TACO	ACCU-FLO	0.75	0.90	75.00	2.25	2.31	0.91	1.01
VAV-1-41	TACO	ACCU-FLO	0.75	1.10	70.00	3.36	3.47	1.12	1.02
VAV-1-42	TACO	ACCU-FLO	0.75	1.00	50.00	2.78	3.10	1.06	1.06
VAV-1-43	TACO	ACCU-FLO	0.75	1.10	75.00	3.36	3.95	1.19	1.08
VAV-1-44	TACO	ACCU-FLO	0.75	1.00	75.00	2.78	3.02	1.04	1.04
VAV-1-45	TACO	ACCU-FLO	0.75	0.30	75.00	0.25	0.26	0.31	1.02
VAV-1-46A	TACO	ACCU-FLO	0.75	2.30	1.00	14.69	14.21	2.26	0.98
VAV-1-46B	TACO	ACCU-FLO	0.75	2.50	65.00	17.36	18.90	2.61	1.04
VAV-1-47	TACO	ACCU-FLO	0.75	1.50	40.00	6.25	6.79	1.56	1.04
VAV-1-48	TACO	ACCU-FLO	0.75	0.70	80.00	1.36	1.45	0.72	1.03
VAV-1-49	TACO	ACCU-FLO	1.00	7.90	40.00	37.45	36.65	7.82	0.99
VAV-1-50	TACO	ACCU-FLO	1.00	5.90	1.00	20.89	22.89	6.18	1.05
VAV-1-51	TACO	ACCU-FLO	1.00	7.10	45.00	30.25	28.93	6.94	0.98
VAV-1-52	TACO	ACCU-FLO	0.75	1.80	60.00	9.00	9.89	1.89	1.05
VAV-1-53	TACO	ACCU-FLO	0.75	0.50	65.00	0.69	0.72	0.51	1.02
VAV-1-54	TACO	ACCU-FLO	0.75	0.40	90.00	0.44	0.50	0.42	1.06

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D.	Actual P.D.	Final GPM	% to Design
VAV-2-01A	TACO	ACCU-FLO	0.75	4.4	1.00	32.27	29.11	4.18	0.95
VAV-2-01B	TACO	ACCU-FLO	0.75	2.2	1.00	13.44	13.89	2.24	1.02
VAV-2-01C	TACO	ACCU-FLO	0.75	2.8	40.00	21.78	22.13	2.82	1.01
VAV-2-01D	TACO	ACCU-FLO	0.75	2.9	15.00	23.36	24.21	2.95	1.02
VAV-2-02	TACO	ACCU-FLO	0.75	1.4	80.00	5.44	5.43	1.40	1.00
VAV-2-03	TACO	ACCU-FLO	0.75	1.7	60.00	8.03	8.14	1.71	1.01
VAV-2-04	TACO	ACCU-FLO	0.75	2.0	50.00	11.11	11.55	2.04	1.02
VAV-2-05	TACO	ACCU-FLO	0.75	1.1	65.00	3.36	3.12	1.06	0.96
VAV-2-06	TACO	ACCU-FLO	1.00	4.6	40.00	12.70	13.18	4.69	1.02
VAV-2-07A	TACO	ACCU-FLO	1.00	7.1	1.00	30.25	30.90	7.18	1.01
VAV-2-07B	TACO	ACCU-FLO	1.00	11.5	1.00	79.35	70.12	10.81	0.94
VAV-2-08	TACO	ACCU-FLO	0.75	1.2	70.00	4.00	4.20	1.23	1.02
VAV-2-09	TACO	ACCU-FLO	0.75	1.4	75.00	5.44	5.80	1.44	1.03
VAV-2-10	TACO	ACCU-FLO	0.75	2.8	55.00	21.78	20.99	2.75	0.98
VAV-2-11	TACO	ACCU-FLO	0.75	1.6	70.00	7.11	7.54	1.65	1.03
VAV-2-12	TACO	ACCU-FLO	0.75	0.5	90.00	0.69	0.66	0.49	0.97
VAV-2-13	TACO	ACCU-FLO	0.75	1.4	75.00	5.44	5.74	1.44	1.03
VAV-2-14	TACO	ACCU-FLO	0.75	1.6	1.00	7.11	6.80	1.56	0.98
VAV-2-15	TACO	ACCU-FLO	0.75	0.9	65.00	2.25	2.31	0.91	1.01
VAV-2-16	TACO	ACCU-FLO	0.75	0.9	1.00	2.25	2.34	0.92	1.02
VAV-2-17	TACO	ACCU-FLO	0.75	0.9	70.00	2.25	2.10	0.87	0.97
VAV-2-18	TACO	ACCU-FLO	0.75	0.9	70.00	2.25	2.45	0.94	1.04
VAV-2-19	TACO	ACCU-FLO	0.75	1.6	55.00	7.11	7.44	1.64	1.02
VAV-2-20	TACO	ACCU-FLO	0.75	1.0	65.00	2.78	2.80	1.00	1.00
VAV-2-21	TACO	ACCU-FLO	0.75	1.8	65.00	9.00	9.22	1.82	1.01
VAV-2-22	TACO	ACCU-FLO	0.75	0.6	80.00	1.00	1.20	0.66	1.10
VAV-2-23	TACO	ACCU-FLO	0.75	1.0	80.00	2.78	3.11	1.06	1.06
VAV-2-24	TACO	ACCU-FLO	0.75	0.8	75.00	1.78	1.86	0.82	1.02
VAV-2-25	TACO	ACCU-FLO	0.75	1.3	60.00	4.69	4.72	1.30	1.00
VAV-2-26	TACO	ACCU-FLO	0.75	1.5	60.00	6.25	6.44	1.52	1.02
VAV-2-27	TACO	ACCU-FLO	0.75	2.1	45.00	12.25	13.40	2.20	1.05
VAV-2-28	TACO	ACCU-FLO	0.75	1.5	45.00	6.25	6.84	1.57	1.05
VAV-2-29	TACO	ACCU-FLO	0.75	0.8	75.00	1.78	1.70	0.78	0.98
VAV-2-30	TACO	ACCU-FLO	0.75	1.4	40.00	5.44	5.82	1.45	1.03
VAV-2-31	TACO	ACCU-FLO	0.75	1.8	20.00	9.00	9.17	1.82	1.01
VAV-2-32	TACO	ACCU-FLO	0.75	0.7	50.00	1.36	1.61	0.76	1.09
VAV-2-33	TACO	ACCU-FLO	0.75	1.4	15.00	5.44	5.67	1.43	1.02
VAV-2-34	TACO	ACCU-FLO	0.75	0.7	45.00	1.36	1.39	0.71	1.01

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D.	Actual P.D.	Final GPM	% to Design
VAV-2-35	TACO	ACCU-FLO	0.75	1.2	60.00	4.00	4.30	1.24	1.04
VAV-2-36	TACO	ACCU-FLO	0.75	1.0	60.00	2.78	3.10	1.06	1.06
VAV-2-37	TACO	ACCU-FLO	0.75	0.7	75.00	1.36	1.38	0.70	1.01
VAV-2-38	TACO	ACCU-FLO	0.75	2.6	30.00	18.78	19.09	2.62	1.01
VAV-2-39	TACO	ACCU-FLO	0.75	0.4	90.00	0.44	0.47	0.41	1.03
VAV-2-40	TACO	ACCU-FLO	0.75	0.6	90.00	1.00	1.12	0.63	1.06
VAV-2-41	TACO	ACCU-FLO	0.75	0.9	80.00	2.25	2.39	0.93	1.03
VAV-2-42	TACO	ACCU-FLO	0.75	1.0	75.00	2.78	2.94	1.03	1.03
VAV-2-44	TACO	ACCU-FLO	0.75	2.9	60.00	23.36	23.91	2.93	1.01
VAV-2-45	TACO	ACCU-FLO	0.75	0.8	75.00	1.78	1.88	0.82	1.03
VAV-2-46	TACO	ACCU-FLO	0.75	1.1	55.00	3.36	3.16	1.07	0.97
VAV-2-47	TACO	ACCU-FLO	0.75	0.5	85.00	0.69	0.79	0.53	1.07

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D.	Actual P.D.	Final GPM	% to Design
VAV-3-01A	TACO	ACCU-FLO	0.75	2.00	10.00	11.11	9.76	1.87	0.94
VAV-3-01B	TACO	ACCU-FLO	0.75	2.60	30.00	18.78	17.76	2.53	0.97
VAV-3-02	TACO	ACCU-FLO	0.75	1.90	55.00	10.03	10.31	1.93	1.01
VAV-3-03	TACO	ACCU-FLO	0.75	3.10	10.00	26.69	27.30	3.13	1.01
VAV-3-04	TACO	ACCU-FLO	0.75	0.70	75.00	1.36	1.28	0.68	0.97
VAV-3-05	TACO	ACCU-FLO	0.75	1.80	55.00	9.00	9.14	1.81	1.01
VAV-3-06	TACO	ACCU-FLO	0.75	1.80	50.00	9.00	8.46	1.75	0.97
VAV-3-07	TACO	ACCU-FLO	0.75	1.80	50.00	9.00	10.00	1.90	1.05
VAV-3-08	TACO	ACCU-FLO	0.75	1.20	55.00	4.00	4.24	1.24	1.03
VAV-3-09	TACO	ACCU-FLO	1.00	4.90	45.00	14.41	15.10	5.02	1.02
VAV-3-10A	TACO	ACCU-FLO	1.00	7.10	1.00	30.25	24.59	6.40	0.90
VAV-3-10B	TACO	ACCU-FLO	1.00	6.90	1.00	28.57	24.40	6.38	0.92
VAV-3-10C	TACO	ACCU-FLO	1.00	4.40	45.00	11.62	11.89	4.45	1.01
VAV-3-10D	TACO	ACCU-FLO	1.00	4.80	55.00	13.82	14.40	4.90	1.02
VAV-3-10E	TACO	ACCU-FLO	0.75	0.90	45.00	2.25	2.64	0.97	1.08
VAV-3-10F	TACO	ACCU-FLO	0.75	2.00	30.00	11.11	12.52	2.12	1.06
VAV-3-11	TACO	ACCU-FLO	0.75	0.90	85.00	2.25	2.60	0.97	1.07
VAV-3-12	TACO	ACCU-FLO	0.75	1.20	70.00	4.00	4.22	1.23	1.03
VAV-3-13	TACO	ACCU-FLO	0.75	1.40	65.00	5.44	5.66	1.43	1.02
VAV-3-14	TACO	ACCU-FLO	0.75	1.00	80.00	2.78	2.88	1.02	1.02
VAV-3-15	TACO	ACCU-FLO	0.75	3.10	15.00	26.69	25.88	3.05	0.98
VAV-3-16	TACO	ACCU-FLO	0.75	2.80	20.00	21.78	21.30	2.77	0.99
VAV-3-17	TACO	ACCU-FLO	0.75	2.20	30.00	13.44	12.75	2.14	0.97
VAV-3-18	TACO	ACCU-FLO	0.75	1.60	40.00	7.11	7.32	1.62	1.01
VAV-3-19	TACO	ACCU-FLO	0.75	1.60	45.00	7.11	7.46	1.64	1.02
VAV-3-20	TACO	ACCU-FLO	0.75	1.00	75.00	2.78	2.69	0.98	0.98
VAV-3-21	TACO	ACCU-FLO	0.75	0.60	60.00	1.00	0.94	0.58	0.97
VAV-3-22	TACO	ACCU-FLO	0.75	0.90	80.00	2.25	2.01	0.85	0.95
VAV-3-23	TACO	ACCU-FLO	0.75	0.90	60.00	2.25	2.55	0.96	1.06
VAV-3-24	TACO	ACCU-FLO	0.75	0.90	60.00	2.25	2.18	0.89	0.98
VAV-3-25	TACO	ACCU-FLO	0.75	1.20	55.00	4.00	4.32	1.25	1.04
VAV-3-26	TACO	ACCU-FLO	0.75	1.40	50.00	5.44	5.33	1.39	0.99
VAV-3-27	TACO	ACCU-FLO	0.75	0.60	1.00	1.00	1.11	0.63	1.05
VAV-3-28	TACO	ACCU-FLO	0.75	1.00	70.00	2.78	2.89	1.02	1.02
VAV-3-29	TACO	ACCU-FLO	0.75	1.10	75.00	3.36	3.44	1.11	1.01
VAV-3-30	TACO	ACCU-FLO	0.75	1.00	55.00	2.78	3.10	1.06	1.06
VAV-3-31	TACO	ACCU-FLO	0.75	1.00	80.00	2.78	2.69	0.98	0.98
VAV-3-32	TACO	ACCU-FLO	0.75	1.30	75.00	4.69	5.10	1.35	1.04

National TAB

NATIONAL TAB INTELLIGENCE

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D.	Actual P.D.	Final GPM	% to Design
VAV-3-33	TACO	ACCU-FLO	0.75	0.60	1.00	1.00	1.10	0.63	1.05
VAV-3-34A	TACO	ACCU-FLO	0.75	2.00	15.00	11.11	10.54	1.95	0.97
VAV-3-34B	TACO	ACCU-FLO	0.75	2.00	1.00	11.11	9.89	1.89	0.94
VAV-3-35	TACO	ACCU-FLO	0.75	1.00	75.00	2.78	3.10	1.06	1.06
VAV-3-36	TACO	ACCU-FLO	0.75	1.10	65.00	3.36	3.33	1.09	1.00
VAV-3-37	TACO	ACCU-FLO	0.75	1.00	70.00	2.78	2.90	1.02	1.02
VAV-3-38	TACO	ACCU-FLO	0.75	1.10	60.00	3.36	3.90	1.18	1.08
VAV-3-39	TACO	ACCU-FLO	0.75	1.40	65.00	5.44	6.22	1.50	1.07
VAV-3-40	TACO	ACCU-FLO	0.75	0.60	80.00	1.00	1.12	0.63	1.06
VAV-3-41A	TACO	ACCU-FLO	0.75	2.20	30.00	13.44	15.11	2.33	1.06
VAV-3-41B	TACO	ACCU-FLO	0.75	2.20	1.00	13.44	12.79	2.15	0.98
VAV-3-42	TACO	ACCU-FLO	0.75	0.90	80.00	2.25	2.44	0.94	1.04
VAV-3-43	TACO	ACCU-FLO	0.75	0.70	85.00	1.36	1.45	0.72	1.03
VAV-3-44	TACO	ACCU-FLO	0.75	0.70	70.00	1.36	1.35	0.70	1.00
VAV-3-45	TACO	ACCU-FLO	0.75	1.40	60.00	5.44	5.55	1.41	1.01
VAV-3-46	TACO	ACCU-FLO	0.75	1.50	45.00	6.25	6.78	1.56	1.04
VAV-3-47	TACO	ACCU-FLO	0.75	0.40	85.00	0.44	0.49	0.42	1.05
VAV-3-50	TACO	ACCU-FLO	0.75	0.80	75.00	1.78	1.82	0.81	1.01

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D.	Actual P.D.	Final GPM	% to Design
VAV-4-01	TACO	ACCU-FLO	0.75	2.50	50.00	17.36	17.77	2.53	1.01
VAV-4-02	TACO	ACCU-FLO	0.75	1.80	65.00	9.00	10.04	1.90	1.06
VAV-4-03	TACO	ACCU-FLO	0.75	2.60	55.00	18.78	18.89	2.61	1.00
VAV-4-04A	TACO	ACCU-FLO	0.75	0.70	90.00	1.36	1.56	0.75	1.07
VAV-4-04B	TACO	ACCU-FLO	0.75	1.40	80.00	5.44	6.02	1.47	1.05
VAV-4-05A	TACO	ACCU-FLO	0.75	1.00	85.00	2.78	2.89	1.02	1.02
VAV-4-05B	TACO	ACCU-FLO	0.75	0.70	90.00	1.36	1.44	0.72	1.03
VAV-4-06A	TACO	ACCU-FLO	0.75	2.00	50.00	11.11	12.48	2.12	1.06
VAV-4-06B	TACO	ACCU-FLO	0.75	2.50	55.00	17.36	18.34	2.57	1.03
VAV-4-06C	TACO	ACCU-FLO	0.75	2.00	55.00	11.11	12.24	2.10	1.05
VAV-4-07	TACO	ACCU-FLO	0.75	2.50	20.00	17.36	18.20	2.56	1.02
VAV--4-08A	TACO	ACCU-FLO	1.00	4.00	40.00	9.60	10.56	4.20	1.05
VAV--4-08B	TACO	ACCU-FLO	1.00	4.00	15.00	9.60	9.89	4.06	1.01
VAV-4-09A	TACO	ACCU-FLO	1.00	5.20	45.00	16.22	17.42	5.39	1.04
VAV-4-09B	TACO	ACCU-FLO	1.00	3.10	55.00	5.77	6.10	3.19	1.03
VAV-4-09C	TACO	ACCU-FLO	1.00	3.10	65.00	5.77	6.21	3.22	1.04
VAV-4-09D	TACO	ACCU-FLO	0.75	2.50	55.00	17.36	18.62	2.59	1.04
VAV-4-10	TACO	ACCU-FLO	1.00	3.60	50.00	7.78	7.94	3.64	1.01
VAV-4-11	TACO	ACCU-FLO	0.75	2.00	55.00	11.11	11.36	2.02	1.01
VAV-4-12	TACO	ACCU-FLO	0.75	0.60	90.00	1.00	1.11	0.63	1.05
VAV-4-13	TACO	ACCU-FLO	0.75	2.40	65.00	16.00	16.20	2.41	1.01
VAV-4-14	TACO	ACCU-FLO	0.75	1.80	70.00	9.00	8.90	1.79	0.99
VAV-4-15	TACO	ACCU-FLO	0.75	1.80	70.00	9.00	9.89	1.89	1.05
VAV-4-16	TACO	ACCU-FLO	0.75	2.80	50.00	21.78	20.02	2.68	0.96
VAV--4-17	TACO	ACCU-FLO	0.75	0.60	1.00	1.00	1.06	0.62	1.03
VAV--4-18A	TACO	ACCU-FLO	0.75	2.60	45.00	18.78	20.12	2.69	1.04
VAV--4-18B	TACO	ACCU-FLO	0.75	2.10	45.00	12.25	13.55	2.21	1.05
VAV--4-19	TACO	ACCU-FLO	0.75	1.90	60.00	10.03	11.21	2.01	1.06
VAV--4-20	TACO	ACCU-FLO	0.75	2.20	40.00	13.44	13.89	2.24	1.02
VAV--4-21	TACO	ACCU-FLO	0.75	0.90	65.00	2.25	2.66	0.98	1.09
VAV--4-22	TACO	ACCU-FLO	0.75	2.20	45.00	13.44	14.43	2.28	1.04
VAV--4-23	TACO	ACCU-FLO	0.75	1.20	65.00	4.00	4.19	1.23	1.02

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D.	Actual P.D.	Final GPM	% to Design
VAV--4-24	TACO	ACCU-FLO	0.75	1.10	70.00	3.36	3.69	1.15	1.05
VAV--4-25	TACO	ACCU-FLO	0.75	1.20	65.00	4.00	4.25	1.24	1.03
VAV--4-26	TACO	ACCU-FLO	0.75	1.20	70.00	4.00	4.20	1.23	1.02
VAV-4-27	TACO	ACCU-FLO	0.75	1.20	70.00	4.00	4.33	1.25	1.04
VAV-4-28	TACO	ACCU-FLO	0.75	1.20	50.00	4.00	4.80	1.31	1.10
VAV-4-29	TACO	ACCU-FLO	0.75	1.00	65.00	2.78	3.01	1.04	1.04
VAV-4-30	TACO	ACCU-FLO	0.75	3.50	35.00	34.03	33.14	3.45	0.99
VAV-4-31	TACO	ACCU-FLO	0.75	0.40	80.00	0.44	0.47	0.41	1.03

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Asset: CIRCUIT SETTERS **Service: Heating System**

Asset	MFG	Model	Size	Design GPM	Setting	Design P.D. (ft)	Actual P.D. (ft)	Final GPM	% to Design
UH-1	TACO	ACCU-FLO	1.00	3.60	5.00	3.00	3.50	3.89	1.08
UH-2	TACO	ACCU-FLO	1.00	3.60	15.00	3.00	3.60	3.94	1.10
UH-3	TACO	ACCU-FLO	1.00	3.60	25.00	3.00	3.10	3.66	1.02
UH-4	TACO	ACCU-FLO	1.00	3.60	30.00	3.00	3.20	3.72	1.03
				14.40				15.21	
						Design P.D. (feet)	Actual P.D. (feet)		
AHU-1	TACO	ACCU-FLO	2.00	25.57	45.00	3.40	3.50	25.94	1.01
AHU-1	TACO	ACCU-FLO	2.00	25.57	45.00	3.40	3.60	26.31	1.03
AHU-2	TACO	ACCU-FLO	2.00	24.99	10.00	2.50	2.50	24.99	1.00
AHU-2	TACO	ACCU-FLO	2.00	24.99	10.00	2.50	2.70	25.97	1.04
AHU-3	TACO	ACCU-FLO	2.00	30.62	5.00	2.70	2.70	30.62	1.00
AHU-3	TACO	ACCU-FLO	2.00	30.62	5.00	2.70	3.00	32.28	1.05
AHU-4	TACO	ACCU-FLO	2.00	26.14	5.00	2.80	2.80	26.14	1.00
AHU-4	TACO	ACCU-FLO	2.00	26.14	5.00	2.80	2.90	26.60	1.02
								218.85	

NATIONAL TAB INTELLIGENCE

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Boiler set point 160

VAV supply air temp is being limited to 90 °F

VAV	Area Served	Design Heat CFM	Actual Heat CFM	Valve Positon	Discharge Air Temp
VAV-1-01	1054	480	488	49.70%	91.0
VAV-1-03	1104	250	255	95.70%	88.3
VAV-1-04	1141	220	231	98..8%	87.5
VAV-1-05	1160	275	288	100.00%	86.8
VAV-1-06	1815	145	150	49.70%	92.6
VAV-1-07	1810	670	699	58.40%	91.1
VAV-1-08	1806	460	461	79.90%	90.3
VAV-1-09	1056	150	154	32.10%	91.3
VAV-1-10	1801	280	288	53.70%	91.0
VAV-1-11	1800	770	795	59.20%	90.7
VAV-1-12	1051	390	401	100.00%	80.4
VAV-1-13	1051	660	672	52.20%	91.3
VAV-1-14	1058	300	302	100.00%	87.0
VAV-1-15	1150	275	282	100.00%	87.2
VAV-1-16	1145	285	289	47.00%	89.4
VAV-1-17	1112	420	421	61.70%	90.4
VAV-1-18	1153	390	396	60.90%	90.6
VAV-1-19	1121	345	354	69.40%	91.3
VAV-1-20	1004	540	557	66.10%	91.7
VAV-1-21	1003	240	245	62.90%	91.8
VAV-1-22	1206	270	268	96.60%	88.2
VAV-1-23	1203	740	743	42.80%	89.3
VAV-1-25	1520	305	309	55.80%	91.3
VAV-1-26	1512	325	332	78.40%	91.1
VAV-1-27	1521	245	257	83.70%	90.8
VAV-1-28	1513	240	247	73.20%	91.9
VAV-1-29	1503	75	81	96.60%	89.7

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Boiler set point 160

VAV supply air temp is being limited to 90 °F

VAV	Area Served	Design Heat CFM	Actual Heat CFM	Valve Positon	Actual LAT
VAV-1-30a	1501	545	556	71%	91.7
VAV-1-30b	1501	585	603	43.9%	92.3
VAV-1-31	1508	245	255	96.6%	88.1
VAV-1-32	CORR	210	213	63.7%	93.1
VAV-1-33	1622	245	253	94.6%	88.8
VAV-1-34	1614	220	234	67.0%	92.4
VAV-1-35	1623	245	252	60.4%	92.3
VAV-1-36	1611	235	244	63.1%	92.7
VAV-1-37	1603	75	78	47.4%	89.3
VAV-1-38a	1601	545	522	64.5%	93.0
VAV-1-38b	1602	585	608	31.3%	91.3
VAV-1-39	1608	260	269	60.0%	91.5
VAV-1-40	1700	240	237	72.7%	92.1
VAV-1-41	1724	245	250	68.3%	91.3
VAV-1-42	1710	235	249	50.3%	90.6
VAV-1-43	1723	245	255	77.5%	91.6
VAV-1-44	1713	225	232	93.4%	88.9
VAV-1-45	1703	75	104	53.8%	91.1
VAV-1-46a	1701	530	551	69.6%	89.4
VAV-1-46b	1701	565	578	55.6%	91.8
VAV-1-47	1708	335	350	62.9%	90.4
VAV-1-48	1140	150	156	55.6%	92.0
VAV-1-49	1051	1800	1868	71.7%	91.8
VAV-1-50	1506	1350	1365	31.0%	90.2
VAV-1-51	1000B	1620	1689	35.0%	89.6
VAV-1-52	1051	420			
VAV-1-53	1401	110	113	50.8%	91.2
VAV-1-54	1053	90	90	47.0%	90.0

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Boiler set point 160

VAV supply air temp is being limited to 90 °F

VAV	Area Served	Design Heat CFM	Actual Heat CFM	Valve Positon	Actual LAT
VAV-2-01A	2053	750	758	42.8%	91.2
VAV-2-01B	2051	500	512	58.9%	89.8
VAV-2-01C	2004	630	647	57.0%	90.1
VAV-2-01D	2004	660	656	50.4%	89.9
VAV-2-02	2152	330	229	100.0%	75.4
VAV-2-03	2304	385	224	81.0%	90.2
VAV-2-04	2803	465	485	72.8%	90.7
VAV-2-05	2801	260	271	52.2%	91.5
VAV-2-06	2800	1055	1091	40.2%	91.7
VAV-2-07A	2000	1620	1674	51.9%	91.3
VAV-2-07B	2000	2565	2631	54.1%	91.2
VAV-2-08	2111	285	298	94.4%	88.8
VAV-2-09	2112	330	220	100.0%	84.3
VAV-2-10	2004	630	650	45.9%	90.2
VAV-2-11	2003	360	361	54.1%	90.8
VAV-2-12	2113	120	122	100.0%	77.3
VAV-2-13	2200	315	322	64.1%	92.2
VAV-2-14	2503	360	364	60.7%	89.3
VAV-2-15	2522	205	212	99.3%	66.6
VAV-2-16	2514	205	209	44.6%	89.9
VAV-2-17	2529	210	205	57.7%	93.3
VAV-2-18	2515	205	214	41.7%	91.5
VAV-2-19	2501	360	371	57.4%	90.4
VAV-2-20	2505	240	250	55.3%	91.3
VAV-2-21	2807	420	432	771.0%	92.0
VAV-2-22	2505	145	155	64.8%	93.3

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Boiler set point 160

VAV supply air temp is being limited to 90 °F

VAV	Area Served	Design Heat CFM	Actual Heat CFM	Valve Positon	Actual LAT
VAV-2-23	2614	225	232	58.40%	92.7
VAV-2-24	2654	180	175	62.80%	92.8
VAV-2-25	2724	300	314	58.20%	90.4
VAV-2-26	2714	335	337	69.30%	90.6
VAV-2-27	2602	480	489	71.50%	90.5
VAV-2-28	2740	335	339	56.40%	905
VAV-2-29	2703	180	190	41.50%	90.4
VAV-2-30	2717	295	295	55.20%	90.9
VAV-2-31	2704	425	438	72.00%	90.5
VAV-2-32	2743	155	157	52.90%	90.5
VAV-2-33	2733	330	340	66.50%	90.2
VAV-2-34	2721	160	164	51.50%	91.7
VAV-2-35	2808	285	287	33.20%	89.9
VAV-2-36	2201	240	240	52.90%	91.6
VAV-2-37	2620	165	166	59.40%	91.0
VAV-2-38	2600	600	613	56.90%	90.7
VAV-2-39	2517	90	92	53.50%	89.4
VAV-2-40	2115	135	140	39.30%	90.1
VAV-2-41	2653	200	204	55.20%	94.6
VAV-2-42	2619	235	244	77.30%	91.9
VAV-2-43	2407	660	670	49.00%	90.2
VAV-2-44	2731	180	179	51.00%	92.8
VAV-2-45	2505	260	257	45.10%	90.4
VAV-2-46	2301	120	127	45.40%	90.1

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Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Boiler set point 160

VAV supply air temp is being limited to 90 °F

VAV	Area Served	Design Heat CFM	Actual Heat CFM	Valve Positon	Actual LAT
VAV-3-01A	3061	465	458	51.40%	89.3
VAV-3-01B	3060	600	583	51.30%	89.5
VAV-3-02	3110	435	416	58.60%	90.2
VAV-3-03	3120	705	682	47.10%	89.5
VAV-3-04	3130	150	143	38.70%	90.1
VAV-3-05	3350	420	414	65.30%	90.2
VAV-3-06	3810	400	384	61.80%	90.4
VAV-3-07	3806	400	388	100.00%	85.5
VAV-3-08	3801	270	261	42.20%	89.6
VAV-3-09	3800	1110	1080	53.90%	90.4
VAV-3-10A	3000C	1620	1574	49.60%	90.6
VAV-3-10B	3000	1575	1513	49.60%	92.9
VAV-3-10C	3000A	1000	1004	30.10%	90.1
VAV-3-10D	3000A	1100	1112	31.70%	89.8
VAV-3-10E	3000A	210	204	67.10%	90.2
VAV-3-10F	3000A	450	438	67.30%	90.0
VAV-3-11	3055	210	208	100.00%	86.4
VAV-3-12	3054	270	268	47.10%	90.2
VAV-3-13	3063	315	309	58.30%	91.3
VAV-3-14	3115	220	211	99.20%	83.0
VAV-3-15	3101	720	694	60.90%	89.8
VAV-3-16	ELEV	630	613	46.50%	89.9
VAV-3-17	3100	510	507	51.10%	89.1
VAV-3-18	3210	375	356	63.70%	90.2
VAV-3-19	3003	360	354	84.10%	85.9
VAV-3-20	3319	220	215	43.00%	90.9
VAV-3-21	3313	135	133	85.40%	87.8
VAV-3-22	3501	215	212	100.00%	86.3
VAV-3-23	3512	205	193	43.50%	89.7

NATIONAL TAB INTELLIGENCE

National TAB

Project: Wake County Public Health

Address: 200 Swinburne Road Raleigh, NC 27610

Boiler set point 160

VAV supply air temp is being limited to 90 °F

VAV	Area Served	Design Heat CFM	Actual Heat CFM	Valve Positon	Actual LAT
VAV-3-24	3521	215	202	52.80%	93.0
VAV-3-25	3513	280	278	59.10%	89.9
VAV-3-26	3802	330	314	99.60%	85.0
VAV-3-27	3503	135	127	42.20%	90.2
VAV-3-28	3508	225	219	46.20%	89.3
VAV-3-29	3620	250	240	47.10%	89.4
VAV-3-30	3612	220	215	88.20%	88.1
VAV-3-31	3621	240	228	88.30%	89.7
VAV-3-32	3611	295	290	72.10%	92.0
VAV-3-33	3603	135	127	48.00%	89.2
VAV-3-34A	CORR 3601	450	426	59.40%	92.5
VAV-3-34B	CORR 3601	450	439	63.30%	89.3
VAV-3-35	CORR 3600	220	210	79.10%	91.6
VAV-3-36	3720	245	239	50.20%	89.3
VAV-3-37	3712	230	220	66.60%	92.5
VAV-3-38	3721	245	233	93.60%	87.3
VAV-3-39	3711	310	294	56.00%	90.5
VAV-3-40	3703	135	126	48.20%	89.5
VAV-3-41A	CORR 3701	510	487	58.40%	89.5
VAV-3-41B	3705	510	505	70.90%	87.7
VAV-3-42	CORR 0700	215	203	66.50%	92.8
VAV-3-43	3708	165	171	68.30%	90.5
VAV-3-44	3608	150	138	80.40%	91.3
VAV-3-45	3808	330	322	44.50%	90.0
VAV-3-46	CORR 3501	340	330	50.70%	90.0
VAV-3-47	3321	90	86	38.60%	88.2
VAV-3-50	3804	175	173	43.60%	90.1

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VAV	Area Served	Design Heat CFM	Actual Heat CFM	Valve Positon	Actual LAT
VAV-4-01	4009	580	536	52.70%	90.1
VAV-4-02	4012	405	379	60.40%	89.7
VAV-4-03	4013	585	553	42.40%	89.7
VAV-4-04A	4016	150	141	48.80%	88.7
VAV-4-04B	4017	315	301	100.00%	86.1
VAV-4-05A	4018	240	226	44.50%	89.7
VAV-4-05B	4019	150	142	37.30%	90.6
VAV-4-06A	4600	455	429	52.50%	88.7
VAV-4-06B	4600	575	550	54.00%	90.2
VAV-4-06C	OPEN	460	432	55.80%	89.2
VAV-4-07	OPEN	570	551	62.00%	89.1
VAV-4-08A	4800	920	863	33.00%	90.4
VAV-4-08B	4800	920	882	47.00%	91.3
VAV-4-09A	4400	1200	1150	46.90%	90.5
VAV-4-09B	4400	720	675	47.40%	89.3
VAV-4-09C	4400	720	684	99.30%	82.1
VAV-4-09D	4400	575			
VAV-4-10	4101	875	825	69.90%	92.3
VAV-4-11	4012	450	428	47.60%	88.7
VAV-4-12	4007	130	127	33.50%	88.2
VAV-4-13	4014A	550	517	68.20%	92.0
VAV-4-14	4014B	420	396	52.50%	89.2
VAV-4-15	4020A	410	386	58.10%	91.0

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VAV supply air temp is being limited to 90 °F

VAV	Area Served	Design Heat CFM	Actual Heat CFM	Valve Positon	Actual LAT
VAV-4-16	4422	630	584	48.50%	89.4
VAV-4-17	4419	130	125	59.80%	87.8
VAV-4-18A	4600	600	567	51.20%	89.2
VAV-4-18B	4600	480	455	61.90%	90.1
VAV-4-19	4314	430	420	61.10%	90.9
VAV-4-20	4216	505	482	45.30%	89.6
VAV-4-21	4212	210	200	43.10%	89.5
VAV-4-22	4309	500	486	63.30%	90.4
VAV-4-23	4312	270	261	49.60%	89.9
VAV-4-24	4401	260	245	47.90%	90.6
VAV-4-25	4402	270	252	42.10%	90.5
VAV-4-26	4404	275	259	434.00%	87.0
VAV-4-27	4407	270	260	48.40%	89.2
VAV-4-28	4107	280	267	60.30%	92.0
VAV-4-29	4023	240	230	52.90%	92.6
VAV-4-30	4001	790	751	63.00%	89.9
VAV-4-31	4421	90	83	33.70%	89.3