



National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: AHU/RTU

Asset: AHU-G1

AREA:FLOOR 1

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	CSAA	CSAA021UA
Configuration	-	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	2@ 7.5
Motor Rpm	-	1800
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	10225	
SF RPM	2312	
RA CFM	6775	
OA CFM	3450	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	78.00	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	13.096	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	2.000	
Fan Total SP	4.811	
Pre-Filter P.D.	0.70	
Cooling Coil P.D.	0.96	
Heating Coil P.D.	0.04	



National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

AHU/RTU

VAV - Single Duct

AHU-G1/FLOOR 1

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
G1-G100	TRANE	VCWF06	REHEAT	6	350	354	175	178	175	178	2.38
G1-G109	TRANE	VCWF08	REHEAT	8	550	557	225	232	225	232	1.78
G1-G111	TRANE	VCWF04	REHEAT	4	125	43	50	17	100	34	2.08
G1-G112	TRANE	VCWF04	REHEAT	4	75	77	40	41	75	77	1.43
G1-G113	TRANE	VCWF04	REHEAT	4	200	200	100	102	100	102	1.40
G1-G115	TRANE	VCWF04	REHEAT	4	200	207	100	103	100	103	1.19
G1-G117	TRANE	VCWF04	REHEAT	4	125	128	50	52	100	104	1.15
G1-G118	TRANE	VCWF04	REHEAT	4	75	77	40	41	75	77	0.96
G1-G119	TRANE	VCWF06	REHEAT	6	250	253	125	126	125	126	2.57
G1-G120	TRANE	VCWF04	REHEAT	4	75	76	40	42	75	73	1.08
G1-G121	TRANE	VCWF04	REHEAT	4	125	130	75	76	75	76	0.96
G1-G124	TRANE	VCWF10	REHEAT	10	525		275		275		
G1-G128	TRANE	VCWF10	REHEAT	10	600		300		300		
G1-G129	TRANE	VCWF08	REHEAT	8	525	547	275	287	275	287	1.77
G1-G130	TRANE	VCWF10	REHEAT	10	625		325		325		1.92
G1-G131	TRANE	VCWF10	REHEAT	10	675	691	325	333	325	333	1.88
G1-G132	TRANE	VCWF12	REHEAT	12	1150	1185	575	592	575	592	1.37
G1-G134	TRANE	VCWF10	REHEAT	10	600	619	300	309	300	309	1.95
G1-G136	TRANE	VCWF10	REHEAT	10	725		325		350		
G1-G137	TRANE	VCCF08	REHEAT	8	575	584	300	312	0	0	1.58
G1-G140	TRANE	VCWF10	REHEAT	10	700	706	350	346	350	346	1.65
G1-G141	TRANE	VCWF10	REHEAT	10	625	644	325	332	325	333	1.68
G1-G142	TRANE	NA	REHEAT	6	225	229	125	128	125	128	5.69
G1-G143	TRANE	VCWF04	REHEAT	4	75	74	40	41	75	74	1.06
G1-G144	TRANE	VCWF04	REHEAT	4	75	52	40	40	75	52	1.49
G1-G145	TRANE	VCWF04	REHEAT	4	200	203	100	102	150	155	1.09
G1-G130A 1	TRANE	VCWF08	REHEAT	8	300	307	150	157	150	157	1.89

Diffuser Supply (GRD)

G1-G100/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
100-1	G101 CORRIDOR	S-1	6	75	101	77	102.7
100-2	G100A STAFF VEST	S-1	6	100	69	98	98.0
100-3	G100 STUDENT VEST	S-2	8	175	159	179	102.3
Total				350	329	354	101.14%

G1-G109/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
109-1	G108 VISITOR VEST	S-2	8	150	159	154	102.7
109-2	G109 RECEPTION	S-1	6	100	115	102	102.0
109-3	G109 RECEPTION	S-1	6	100	120	105	105.0
109-4	G109 RECEPTION	S-1	6	100	118	104	104.0
109-5	G109 RECEPTION	S-1	6	100	81	92	92.0
Total				550	593	557	101.27%

G1-G111/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
111-1	G111 SECRETARY	S-1	6	125	43	43	34.4
Total				125	43	43	34.4%

G1-G112/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
112-1	G112 AP OFFICE	S-1	6	75	90	77	102.7
Total				75	90	77	102.67%

G1-G113/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
113-1	G113	S-1	6	100	140	105	105.0
113-2	G113	S-1	6	100	61	95	95.0
Total				200	201	200	100%

G1-G115/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1151	G115 CONF RM	S-1	6	100	156	107	107.0
1152	G115 CONF RM	S-1	6	100	130	100	100.0
Total				200	286	207	103.5%

G1-G117/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
117-1	G117 PRINCIPAL	S-2	8	125	175	128	102.4
Total				125	175	128	102.4%

G1-G118/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
118-1	G118 AUDITIONS	S-1	6	75	100	77	102.7
Total				75	100	77	102.67%

G1-G119/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
119-1	G119 ADMIN WORKROOM	S-1	6	125	117	128	102.4
119-2	G119 ADMIN WORKROOM	S-1	6	125	113	125	100.0
Total				250	230	253	101.2%

G1-G120/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
120-1	G120 FINANCE OFFICE	S-1	6	75	96	76	101.3
Total				75	96	76	101.33%

G1-G121/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
121-1	G121 OFFICE	S-1	6	75	130	78	104.0
121-2	G110 CORRIDOR	S-1	6	50	48	52	104.0
Total				125	178	130	104%

G1-G124/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
124-1	G124 SCULPTURE	S-2	8	125			-
124-2	G124 SCULPTURE	S-2	8	125			-
124-3	G128A ART STORAGE	S-1	6	50			-
124-4	G124 SCULPTURE	S-2	8	125			-
124-5	G124 SCULPTURE	S-2	8	150			-
Total				575	0	0	0%

G1-G128/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
128-1	G128 CERAMICS	S-2	8	150			-
128-2	G128 CERAMICS	S-2	8	150			-
128-3	G128 CERAMICS	S-2	8	150			-
128-4	KILNS	S10		175			-
128-5	G128 CERAMICS	S-2	8	150			-
Total				775	0	0	0%

G1-G129/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
129-1	G129 ITINERANT SERVICES	S-1	6	175	80	182	104.0
129-2	G138B MENS RR	S-1	6	75	164	77	102.7
129-3	G123 BOOK STORAGE	S-1	6	50	124	58	116.0
129-4	G122 GALLERY/COLLAB	S-2	8	75	88	77	102.7
129-5	G138A WOMEN RR	S-1	6	75	80	78	104.0
129-6	G102 CORRIDOR	S-1	6	75	53	75	100.0
Total				525	589	547	104.19%

G1-G130/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
130-1	G132A STORAGE	S-10	12X6	50	170		-
130-2	G130 CONTROL RM	S-3	10	275	200		-
130-3	G130 CONTROL RM	S-3	10	300	270		-
Total				625	640	0	0%

G1-G131/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
131-1	G131 MS SCIENCE	S-2	8	150	183	155	103.3
131-2	G131 MS SCIENCE	S-2	8	150	139	152	101.3
131-3	G102 CORRIDOR	S-1	6	75	95	77	102.7
131-4	G131 MS SCIENCE	S-2	8	150	161	153	102.0
131-5	G131 MS SCIENCE	S-2	8	150	163	154	102.7
Total				675	741	691	102.37%

G1-G132/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
132-1	G132 GALLERY	S-2	8	200	239	205	102.5
132-2	G132 GALLERY	S-2	8	150	158	150	100.0
132-3	G132 GALLERY	S-2	8	200	245	207	103.5
132-4	G132 GALLERY	S-2	8	200	259	210	105.0
132-5	G132 GALLERY	S-2	8	200	260	204	102.0
132-6	G132 GALLERY	S-2	8	200	279	209	104.5
Total				1150	1440	1185	103.04%

G1-G134/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
134-1	G134 EC/GEN CLASS	S-2	8	150	157	155	103.3
134-2	G134 EC/GEN CLASS	S-2	8	150	218	152	101.3
134-3	G134 EC/GEN CLASS	S-2	8	150	132	154	102.7
134-4	G134 EC/GEN CLASS	S-2	8	150	163	158	105.3
Total				600	670	619	103.17%

G1-G136/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
136-1	G136 MS SCIENCE	S-1	6	75			-
136-2	G136 MS SCIENCE	S-2	8	150			-
136-3	G136 MS SCIENCE	S-2	8	150			-
136-4	G136 MS SCIENCE	S-2	8	150			-
136-5	G136 MS SCIENCE	S-2	8	150			-
136-6	G133 PREP	S-1	6	50			-
Total				725	0	0	0%

G1-G137/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
137-1	G137 MDF	S-11		575	639	584	101.6
Total				575	639	584	101.57%

G1-G140/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
140-1	G140 GEN CLASS	S-2	8	175	235	183	104.6
140-2	G140 GEN CLASS	S-2	8	175	194	180	102.9
140-3	G140 GEN CLASS	S-2	8	175	166	165	94.3
140-4	G140 GEN CLASS	S-2	8	175	195	178	101.7
Total				700	790	706	100.86%

G1-G141/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
141-1	G141 GEN CLASS	S-2	8	150	159	157	104.7
141-2	G141 GEN CLASS	S-2	8	150	171	155	103.3
141-3	G141 GEN CLASS	S-2	8	150	158	154	102.7
141-4	G141 GEN CLASS	S-2	8	175	143	178	101.7
Total				625	631	644	103.04%

G1-G142/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
142-1	G142 NURSE	S-1	6	100	81	102	102.0
142-2	G142 NURSE	S-1	6	125	50	127	101.6
Total				225	131	229	101.78%

G1-G143/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
143-1	G143 REGISTRAR	S-1	6	75	102	74	98.7
Total				75	102	74	98.67%

G1-G144/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
144-1	G144 SRO	S-1	6	75	53	53	70.7
Total				75	53	53	70.67%

G1-G145/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
145-1	G145 PARENTS RM	S-1	6	100	98	98	98.0
145-2	G145 PARENTS RM	S-1	6	100	105	105	105.0
Total				200	203	203	101.5%

G1-G130A 1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
130A-1	G130B ISOLATION BOOTH	S-1	6	75	28	76	101.3
130A-2	G130A RECORDING STUDIO	S-1	6	100	105	102	102.0
130A-3	G130A RECORDING STUDIO	S-1	6	100	109	103	103.0
130A-4	G130C STORAGE	S-1	6	25	93	26	104.0
Total				300	335	307	102.33%

Asset	Notes	Date	Written By
G1-G124	DIFFUSERS MISSING	10/30/2025	Christian Moller
G1-G128	DIFFUSERS MISSING	10/30/2025	Christian Moller
G1-G130	DAMPER MISSING	10/30/2025	Christian Moller
G1-G136	FIRE DAMPER NOT OPENING	10/30/2025	Christian Moller
G1-G144	LOW CFM	10/30/2025	Christian Moller



National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: AHU/RTU

Asset: AHU-G2

AREA:FLOOR 2

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	CSAA	CSAA021UA
Configuration	-	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	2 @ 7.5
Motor Rpm	-	1800
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	10775	
SF RPM	2181	
RA CFM	6025	
OA CFM	4750	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	74.00	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	13.699	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	2.28	
Fan Total SP	5.01	
Pre-Filter P.D.	0.71	
Cooling Coil P.D.	1.05	
Heating Coil P.D.	0.05	



National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

AHU/RTU

VAV - Single Duct

AHU-G2/FLOOR 2

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
G2-G208	TRANE	VCWF04	REHEAT	4	175	170	100	92	150	143	0.42
G2-G209	TRANE	VCWF04	REHEAT	4	125	130	75	72	100	89	0.40
G2-G210	TRANE	VCWF04	REHEAT	4	125	129	75	78	100	91	0.26
G2-G211	TRANE	VCWF04	REHEAT	4	125	126	75	77	100	103	0.42
G2-G213	TRANE	VCWF04	REHEAT	4	200	205	100	98	150	139	0.43
G2-G214	TRANE	VCWF04	REHEAT	4	225	223	125	120	150	152	0.44
G2-G215	TRANE	VCWF04	REHEAT	4	150	145	75	72	150	142	0.44
G2-G216	TRANE	VCWF04	REHEAT	4	125	124	75	70	100	99	0.50
G2-G217	TRANE	VCWF04	REHEAT	4	125	123	75	72	100	101	0.40
G2-G220	TRANE	VCWF06	REHEAT	6	225	208	150	138	150	143	1.68

G2-G223	TRANE	VCWF06	REHEAT	6	275	271	150	141	150	153	2.32
G2-G224	TRANE	VCWF10	REHEAT	10	725		375		375		
G2-G227	TRANE	VCWF10	REHEAT	10	625		325		325		
G2-G228	TRANE	VCWF10	REHEAT	10	725		375		375		
G2-G230	TRANE	VCWF10	REHEAT	10	675	666	350	352	350	359	1.57
G2-G231	TRANE	VCWF08	REHEAT	10	625		325		325		
G2-G232	TRANE	VCWF10	REHEAT	10	775	789	375	381	375	388	1.53
G2-G233	TRANE	VCCF08	REHEAT	8	575	580	300	303	0	0	2.13
G2-G234	TRANE	VCWF10	REHEAT	10	700	693	350	349	350	349	1.59
G2-G236	TRANE	VCWF10	REHEAT	10	700	720	350	336	350	348	1.90
G2-G239	TRANE	VCWF10	REHEAT	10	700	736	350	344	350	356	2.31
G2-G240	TRANE	VCWF10	REHEAT	10	625	637	325	338	325	336	1.77
G2-G241	TRANE	VCWF10	REHEAT	10	625	621	325	332	325	321	1.88
G2-G242	TRANE	VCWF10	REHEAT	10	625	608	325	321	325	317	1.46
G2-G210A 1	TRANE	VCWF06	REHEAT	6	325	321	175	168	175	177	1.65

Diffuser Supply (GRD)

G2-G208/FLOOR 2

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
208-1	G208 GUIDANCE	S-1	6	100	345	93	93.0
208-2	G208 GUIDANCE	S-1	6	75	45	77	102.7
Total				175	390	170	97.14%

G2-G209/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
209-1	G209 COUNSELOR	S-2	8	125	282	130	104.0
Total				125	282	130	104%

G2-G210/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
210-1	G210 COUNSELOR	S-2	8	125	206	129	103.2
Total				125	206	129	103.2%

G2-G211/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
211-1	G211 COUNCELOR	S-2	8	125	273	126	100.8
Total				125	273	126	100.8%

G2-G213/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
213-1	G213 COUNSELOR	S-1	6	125	281	133	106.4
213-2	G212 FILE RM	S-1	6	75	37	72	96.0
Total				200	318	205	102.5%

G2-G214/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
214-1	G214 CONFERENCE RM	S-1	6	100	157	109	109.0
214-2	G214 CONFERENCE RM	S-2	8	125	153	114	91.2
Total				225	310	223	99.11%

G2-G215/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
215-1	G125 CAREER CENTER	S-1	6	75	162	71	94.7
215-2	G125 CAREER CENTER	S-1	6	75	160	74	98.7
Total				150	322	145	96.67%

G2-G216/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
216-1	G216 SOCIAL WORKER	S-2	8	125	157	124	99.2
Total				125	157	124	99.2%

G2-G217/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
217-1	G217 TESTING	S-2	8	125	279	123	98.4
Total				125	279	123	98.4%

G2-G220/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
220-1	G220B WELLNESS B	S-1	6	75	58	58	77.3
220-2	CORRIDOR	S-1	6	75			-
220-3	G220 WELLNESS RM	S-1	6	75	77	77	102.7
220-4	G220A WELLNESS A	S-1	6	75	76	76	101.3
Total				300	211	211	70.33%

G2-G223/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
223-1	G223 COLLABORATION	S-2	8	125	177	123	98.4
223-2	G237A WOMEN RR	S-1	6	75	0	72	96.0
223-3	G237B MENS RR	S-1	6	75	78	76	101.3
Total				275	255	271	98.55%

G2-G224/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
224-1	G224 DRAW/PAINT	S-2	8	175			-
224-2	G224 DRAW/PAINT	S-2	8	150			-
224-3	G224 DRAW/PAINT	S-2	8	175			-
224-4	G224A STORAGE	S-1	6	50			-
224-5	G224 DRAW/PAINT	S-2	8	175			-
Total				725	0	0	0%

G2-G227/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
227-1	G229 PREP	S-1	6	50			-
227-2	G227 HS CHEMISTRY	S-1	6	100			-
227-3	G227 HS CHEMISTRY	S-1	6	75			-
227-4	G227 HS CHEMISTRY	S-1	6	100			-
227-5	G227 HS CHEMISTRY	S-1	6	100			-
227-6	G227 HS CHEMISTRY	S-1	6	100			-
227-7	G227 HS CHEMISTRY	S-1	6	100			-
Total				625	0	0	0%

G2-G228/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
228-1	G228 PRINTMAKING	S-2	8	150			-
228-2	G228 PRINTMAKING	S-2	8	175			-
228-3	G228A ART STORAGE	S-1	6	50			-
228-4	G228 PRINTMAKING	S-2	8	175			-
228-5	G228 PRINTMAKING	S-2	8	175			-
Total				725	0	0	0%

G2-G230/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
230-1	G230A STORAGE	S-1	6	25	17	24	96.0
230-2	G230 GEN CLASS	S-2	8	150	241	150	100.0
230-3	G230 GEN CLASS	S-2	8	150	200	145	96.7
230-4	G230 GEN CLASS	S-2	8	175	141	170	97.1
230-5	G230 GEN CLASS	S-2	8	175	161	177	101.1
Total				675	760	666	98.67%

G2-G231/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
231-1	G231 HS SCIENCE	S-1	6	125			-
231-2	G231 HS SCIENCE	S-1	6	125			-
231-3	G204 CORRIDOR	S-1	6	100			-
231-4	G231 HS SCIENCE	S-1	6	100			-
231-5	G231 HS SCIENCE	S-1	6	125			-
231-6	G227A PREP	S-1	6	50			-
Total				625	0	0	0%

G2-G232/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
232-1	G232 GEN CLASS	S-2	8	175	66	175	100.0
232-2	G232 GEN CLASS	S-2	8	200	188	200	100.0
232-3	G232 GEN CLASS	S-2	8	200	77	207	103.5
232-4	G232 GEN CLASS	S-2	8	200	472	207	103.5
Total				775	803	789	101.81%

G2-G233/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
233-1	G233 IDF	S-11		575	551	580	100.9
Total				575	551	580	100.87%

G2-G234/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
234-1	G234 GEN CLASS	S-2	8	175	238	174	99.4
234-2	G234 GEN CLASS	S-2	8	175	230	187	106.9
234-3	G234 GEN CLASS	S-2	8	175	263	162	92.6
234-4	G234 GEN CLASS	S-2	8	175	56	170	97.1
Total				700	787	693	99%

G2-G236/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
236-1	G236 GEN CLASS	S-2	8	175	154	189	108.0
236-2	G236 GEN CLASS	S-2	8	175	166	191	109.1
236-3	G236 GEN CLASS	S-2	8	175	190	166	94.9
236-4	G236 GEN CLASS	S-2	8	175	216	174	99.4
Total				700	726	720	102.86%

G2-G239/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
239-1	G239 GEN CLASS	S-2	8	175	0	192	109.7
239-2	G239 GEN CLASS	S-2	8	175	234	185	105.7
239-3	G239 GEN CLASS	S-2	8	175	204	176	100.6
239-4	G239 GEN CLASS	S-2	8	175	218	183	104.6
Total				700	656	736	105.14%

G2-G240/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
240-1	G240 GEN CLASS	S-2	8	150	303	154	102.7
240-2	G240 GEN CLASS	S-2	8	150	362	163	108.7
240-3	G240 GEN CLASS	S-2	8	175	0	178	101.7
240-4	G240 GEN CLASS	S-2	8	150	0	142	94.7
Total				625	665	637	101.92%

G2-G241/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
241-1	G241 GEN CLASS	S-2	8	150	77	136	90.7
241-2	G241 GEN CLASS	S-2	8	150	229	153	102.0
241-3	G241 GEN CLASS	S-2	8	150	173	156	104.0
241-4	G241 GEN CLASS	S-2	8	175	169	176	100.6
Total				625	648	621	99.36%

G2-G242/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
242-1	G242 GEN CLASS	S-2	8	150	191	147	98.0
242-2	G242 GEN CLASS	S-2	8	150	180	153	102.0
242-3	G242 GEN CLASS	S-2	8	150	226	136	90.7
242-4	G242 GEN CLASS	S-2	8	175	145	168	96.0
Total				625	742	604	96.64%

G2-G210A 1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
210A-1	G218 TECHER BREAKROOM	S-1	6	75	61	69	92.0
210A-2	G218 TECHER BREAKROOM	S-1	6	75	34	74	98.7
210A-3	G218 TECHER BREAKROOM	S-1	6	75	45	75	100.0
210A-4	G218 TECHER BREAKROOM	S-1	6	100	269	103	103.0
Total				325	409	321	98.77%

Asset	Notes	Date	Written By
G2-G224	MISSING DIFFUSERS	10/30/2025	Christian Moller



National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: AHU/RTU

Asset: AHU-G3

AREA:FLOOR 3

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	
Model Num	CSAA	CSAA021UA
Configuration	-	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	

Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	2@ 7.5
Motor Rpm	-	1800
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	Actual
SF CFM	11000	
SF RPM	2209	
RA CFM	7075	
OA CFM	3925	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	75.00	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	14.262	

Performance Data		
	Design	Actual
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	2.28	
Fan Total SP	5.10	
Pre-Filter P.D.	0.72	
Cooling Coil P.D.	1.08	
Heating Coil P.D.	0.05	



National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

AHU/RTU

VAV - Single Duct

AHU-G3/FLOOR 3

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
G3-G238	TRANE	VCWF10	REHEAT	10	900		450		450		
G3-G308	TRANE	VCWF14	REHEAT	14	1700		850		850		
G3-G309	TRANE	VCWF04	REHEAT	4	125	121	75	74	100	97	0.46
G3-G310	TRANE	VCWF06	REHEAT	6	250	245	125	123	175	172	2.55
G3-G311	TRANE	VCWF06	REHEAT	6	325	318	175	171	175	171	2.14
G3-G324	TRANE	VCWF10	REHEAT	10	750		375		375		
G3-G325	TRANE	VCWF06	REHEAT	6	400	399	200	199	200	200	2.07
G3-G331	TRANE	VCWF10	REHEAT	10	625	645	325	340	325	340	1.56
G3-G332	TRANE	VCWF10	REHEAT	10	800	789	400	394	400	394	1.54
G3-G333	TRANE	VCWF04	REHEAT	4	75	80	40	45	75	80	0.43

G3-G334	TRANE	VCWF10	REHEAT	10	700	642	350	346	350	346	1.48
G3-G335	TRANE	VCWF10	REHEAT	10	675		350		350		
G3-G336	TRANE	VCWF10	REHEAT	10	700	718	350	365	350	365	1.89
G3-G339	TRANE	VCCF08	REHEAT	8	575	575	300	300	0	0	1.76
G3-G341	TRANE	VCWF10	REHEAT	10	725	719	375	372	375	372	1.94
G3-G342	TRANE	VCWF10	REHEAT	10	650	655	325	330	325	330	1.94
G3-G343	TRANE	VCWF10	REHEAT	10	650	662	325	331	325	331	2.16
G3-G330B 1	TRANE	VCWF06	REHEAT	6	450		225		225		

Diffuser Supply (GRD)

G3-G238/

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design				
238-1	G238 2D ART/PHOTOGRAP HY	S-2	8	175			-				
238-2	G238 2D ART/PHOTOGRAP HY	S-2	8	200			-				
238-3	G238 2D ART/PHOTOGRAP HY	S-2	8	200			-				
238-4	G330 PHOTO LAB	S-2	8	125			-				
238-5	G238 2D ART/PHOTOGRAP HY	S-2	8	200			-				
Total				900	0	0	0%				

G3-G308/FLOOR 3

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design				
308-1	G308 MEDIA CENTER	S-3	10	200			-				
308-2	G308 MEDIA CENTER	S-3	10	200			-				
308-3	G308 MEDIA CENTER	S-3	10	200			-				
308-4	G308 MEDIA CENTER	S-3	10	200			-				
308-5	G308 MEDIA CENTER	S-3	10	225			-				
308-6	G308 MEDIA CENTER	S-3	10	225			-				
308-7	G308 MEDIA CENTER	S-3	10	225			-				
308-8	G308 MEDIA CENTER	S-3	10	225			-				
Total				1700	0	0	0%				

G3-G309/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
309-1	G309 OFFICE	S-2	8	125	260	121	96.8
Total				125	260	121	96.8%

G3-G310/

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design				
310-1	G310 TV VIDEO PROD	S-1	6	75	102	75	100.0				
310-2	G310A TV VIDEO PROD	S-1	6	175	122	170	97.1				
Total				250	224	245	98%				

G3-G311/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
311-1	G311 WORKROOM	S-1	6	225	212	219	97.3
311-2	G311 WORKROOM	S-1	6	100	96	99	99.0
Total				325	308	318	97.85%

G3-G324/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
324-1	G324 MEDIA ARTS	S-2	8	175			-
324-2	G324 MEDIA ARTS	S-2	8	175			-
324-3	G324A ART STORAGE	S-1	6	50			-
324-4	G324 MEDIA ARTS	S-2	8	175			-
324-5	G324 MEDIA ARTS	S-2	8	175			-
Total				750	0	0	0%

G3-G325/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
325-1	G340A WOMEN RR	S-1	6	75	110	75	100.0
325-2	G323 COLLAB	S-2	8	250	180	245	98.0
325-3	G340B MENS RR	S-1	6	75	101	79	105.3
Total				400	391	399	99.75%

G3-G331/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
331-1	G331 BIOLOGY	S-1	6	100	167	108	108.0
331-2	G331 BIOLOGY	S-1	6	75	224	76	101.3
331-3	G302 CORRIDOR	S-1	6	100	0	104	104.0
331-4	G331 BIOLOGY	S-1	6	100	0	107	107.0
331-5	G331 BIOLOGY	S-1	6	75	187	80	106.7
331-6	G331 BIOLOGY	S-1	6	100	0	98	98.0
331-7	G331 BIOLOGY	S-1	6	75	53	81	108.0
Total				625	631	654	104.64%

G3-G332/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
332-1	G332 GEN CLASS	S-2	8	200	193	200	100.0
332-2	G332 GEN CLASS	S-2	8	200	223	185	92.5
332-3	G332 GEN CLASS	S-2	8	200	229	194	97.0
332-4	G332 GEN CLASS	S-2	8	200	263	210	105.0
Total				800	908	789	98.62%

G3-G333/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
333-1	G333 ART DIRECTOR	S-1	6	75	165	80	106.7
Total				75	165	80	106.67%

G3-G334/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
334-1	G334 GEN CLASS	S-2	8	175	180	174	99.4
334-2	G334 GEN CLASS	S-2	8	175	240	170	97.1
334-3	G334 GEN CLASS	S-2	8	175	220	182	104.0
334-4	G334 GEN CLASS	S-2	8	175	180	166	94.9
Total				700	820	692	98.86%

G3-G335/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
335-1	G335 HS PHYSICS	S-1	6	75	78		-
335-2	G335 HS PHYSICS	S-1	6	100	103		-
335-3	G304 CORRIDOR	S-1	6	100	33		-
335-4	G335 HS PHYSICS	S-1	6	100	131		-
335-5	G335 HS PHYSICS	S-1	6	75	123		-
335-6	G335 HS PHYSICS	S-1	6	100	102		-
335-7	G335 HS PHYSICS	S-1	6	75	108		-
335-8	G337 PREP	S-1	6	50	0		-
Total				675	678	0	0%

G3-G336/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
336-1	G336 GEN CLASS	S-2	8	175	189	189	108.0
336-2	G336 GEN CLASS	S-2	8	175	168	168	96.0
336-3	G336 GEN CLASS	S-2	8	175	186	186	106.3
336-4	G336 GEN CLASS	S-2	8	175	175	175	100.0
Total				700	718	718	102.57%

G3-G339/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
339-1	G339 IDF	S-11		575	612	575	100.0
Total				575	612	575	100%

G3-G341/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
341-1	G341 GEN CLASS	S-2	8	175	174	182	104.0
341-2	G341 GEN CLASS	S-2	8	175	205	182	104.0
341-3	G341 GEN CLASS	S-2	8	200	159	195	97.5
341-4	G341 GEN CLASS	S-2	8	175	200	160	91.4
Total				725	738	719	99.17%

G3-G342/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
342-1	G342 GEN CLASS	S-2	8	150	200	157	104.7
342-2	G342 GEN CLASS	S-2	8	150	166	157	104.7
342-3	G342 GEN CLASS	S-2	8	175	0	174	99.4
342-4	G342 GEN CLASS	S-2	8	175	243	167	95.4
Total				650	609	655	100.77%

G3-G343/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
343-1	G343 MAKER SPACE	S-2	8	150	140	143	95.3
343-2	G343 MAKER SPACE	S-2	8	150	229	163	108.7
343-3	G343 MAKER SPACE	S-2	8	175	193	172	98.3
343-4	G343 MAKER SPACE	S-2	8	175	71	184	105.1
Total				650	633	662	101.85%

G3-G330B 1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
330B-1	G328A ARTS STORAGE	S-1	6	50			-
330B-2	G330B DARK RM/PROC	S-1	6	100			-
330B-3	G330B DARK RM/PROC	S-1	6	100			-
330B-4	G330B DARK RM/PROC	S-1	6	100			-
330B-5	G330A LIGHT TRAP	S-1	6	100			-
Total				450	0	0	0%

Asset	Notes	Date	Written By
G3-G335	Fire damper problems	10/30/2025	Christian Moller