National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: AHU/RTU

Asset: AHU-1 AREA:MAL 131

Unit Data	
	Actual
MFG	TRANE
Serial Num	H24H68752
Model Num	CSAA035UBM00
Configuration	VERTICAL
Num PreFilter 1	8
PreFilter Size 1	20X24X2
Num PreFilter 2	3
PreFilter Size 2	16X25X2
Num Final Filter 1	8
Final Filter Size 1	20X24X2
Num Final Filter 2	3
Final Filter Size 2	16X25X4

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	254T
Horsepower	-	15
Motor Rpm	-	1765
Phase	-	3
Rated Voltage	-	230
Rated Amperage	-	36.2
Service Factor	-	1.15

Test Data		
	Design	**Actual**
SF CFM	16200	
SF RPM (Initial)	-	
SF RPM	1800	
RA CFM	14700	
OA CFM	1500	
Relief CFM	-	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	69.00	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
OA Damper Position	-	
Brake Horse Power	14.571	

Performance Data		
	Design	**Actual**
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	2.000	
Fan Total SP	3.266	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

Notes:
PRE FILTER: 1 @ 16X20X2
FINAL FILTER: 1 @ 16X20X4

Written By: Antonio Flores-De La Cruz on 02/04/2026

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National TAB

Project:SPCC Aseptic Training Facility (Monroe, NC)

AHU/RTU

VAV - Single Duct

AHU-1/MAL 131

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)
RCAV-2	NA	NA	VAV	04	100		60				
RCAV-3	NA	NA	VAV	04	160		30				
RCAV-4	NA	NA	VAV	04	190		120				
RCAV-5	NA	NA	VAV	08	800		270				
RCAV-6	NA	NA	VAV	08	560		190				
RCAV-7	NA	NA	VAV	08	770		350				
RCAV-8	NA	NA	VAV	08	820		290				
RCAV-9	NA	NA	VAV	14	1900		0				
RCAV-10	NA	NA	VAV	14	2160		1060				
RCAV-1A 1	NA	NA	VAV	12	1490		267				
RCAV-1B 2	NA	NA	VAV	12	1490		267				
RCAV-1C 3	NA	NA	VAV	12	1480		266				
RVAV-1	NA	NA	VAV	14	1700		680				
SCAV-2	NA	NA	REHEAT	04	100	103	60	62	60	62	368
SCAV-3	NA	NA	REHEAT	04	190	192	60	61	60	61	304
SCAV-4	NA	NA	REHEAT	04	150	153	80	81	80	81	245
SCAV-5	NA	NA	REHEAT	08	800	755	270	271	270	271	793
SCAV-6	NA	NA	REHEAT	08	560	482	190	191	190	191	835
SCAV-7	NA	NA	REHEAT	08	630	623	210	211	210	211	793
SCAV-8	NA	NA	REHEAT	10	900		290				1309
SCAV-9	NA	NA	REHEAT	12	1570	1564	830	826	830	826	1097
SCAV-10	NA	NA	REHEAT	12	1830	1857	730	738	730	738	2184
SCAV-11	NA	NA	REHEAT	04	50	51	50	51	50	51	313
SCAV-1A 1	NA	NA	REHEAT	14	1870		650				
SCAV-1B 2	NA	NA	REHEAT	14	1870		650				
SCAV-1C 3	NA	NA	REHEAT	14	1870		650				
SVAV-1	NA	NA	VAV	12	1710	1723	680	682	680	683	1781

Diffuser Supply (GRD)

SCAV-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-2-1	PAL 130	HF-2	10	190	76	103	54.2
Total				190	76	103	54.21%

SCAV-3/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-3-1	PAL 129	HF-2	10	100	204	191	191.0
Total				100	204	191	191%

SCAV-4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
1-4-1	MAL 131	HF-2	10	150	130	153	102.0
Total				150	130	153	102%

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SCAV-5/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-5-1	DIRTY STAGING/PRE-WASH 132	HF-1	12	400	265	377	94.3
1-5-2	DIRTY STAGING/PRE-WASH 132	HF-1	12	400	230	378	94.5
Total				800	495	755	94.38%

SCAV-6/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-6-1	PASS THROUGH TECH 133	HF-1	10	280	240	292	104.3
1-6-2	PASS THROUGH TECH 133	HF-1	10	280	242	284	101.4
Total				560	482	576	102.86%

SCAV-7/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-7-1	CLEAN EQUIPMENT 138	HF-1	10	315	285	311	98.7
1-7-2	CLEAN EQUIPMENT 138	HF-1	10	315	268	312	99.0
Total				630	553	623	98.89%

SCAV-8/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-8-1	GMP STORAGE 139	HF-1	10	390	256	292	74.9
1-8-2	GMP STORAGE 139	HF-1	10	390	255	291	74.6
1-8-3	GMP STORAGE 139	HF-2	10	120	296	337	280.8
Total				900	807	920	102.22%

SCAV-9/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-9-1	QC LAB 116	CD-3	10	390	385	398	102.1
1-9-2	QC LAB 116	CD-3	10	390	358	396	101.5
1-9-3	QC LAB 116	CD-3	10	395	423	374	94.7
1-9-4	QC LAB 116	CD-3	10	395	422	396	100.3
Total				1570	1588	1564	99.62%

SCAV-10/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-10-1	MICRO LAB 115	CD-3	10	305	152	316	103.6
1-10-2	MICRO LAB 115	CD-3	10	305	488	314	103.0
1-10-3	MICRO LAB 115	CD-3	10	305	413	306	100.3
1-10-4	MICRO LAB 115	CD-3	10	305	288	296	97.0
1-10-5	MICRO LAB 115	CD-3	10	305	461	309	101.3
1-10-6	MICRO LAB 115	CD-3	10	305	465	316	103.6
Total				1830	2267	1857	101.48%

SCAV-11/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-11-1	PROCESS UTILITIES 141	SG-1	8X4	50	56	51	102.0
Total				50	56	51	102%

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SCAV-1A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1A-1	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1A-2	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1A-3	CLEAN ROOM TRAINING 134	HF-1	12	465			-
1-1A-4	CLEAN ROOM TRAINING 134	HF-1	12	465			-
Total				1870	0	0	0%

SCAV-1B 2/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1B-1	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1B-2	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1B-3	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1B-4	CLEAN ROOM TRAINING 134	HF-1	12	470			-
Total				1880	0	0	0%

SCAV-1C 3/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1C-1	CLEAN ROOM TRAINING 134	HF-1	12	465			-
1-1C-2	CLEAN ROOM TRAINING 134	HF-1	12	465			-
1-1C-3	CLEAN ROOM TRAINING 134	HF-1	12	465			-
1-1C-4	CLEAN ROOM TRAINING 134	HF-1	12	465			-
Total				1860	0	0	0%

SVAV-1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1-1	CLRM 3 117	CD-3	10	285	225	272	95.4
1-1-2	CLRM 3 117	CD-3	10	285	342	281	98.6
1-1-3	CLRM 3 117	CD-3	10	285	289	296	103.9
1-1-4	CLRM 3 117	CD-3	10	285	303	295	103.5
1-1-5	CLRM 3 117	CD-3	10	280	306	295	105.4
1-1-6	CLRM 3 117	CD-3	10	280	295	284	101.4
Total				1700	1760	1723	101.35%

Diffuser Ret/Exh (GRD)

RCAV-2/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-2-1	PAL 130	RG-2	6X6	130				-
Total				130		0	0	0%

RCAV-3/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-3-1	LOBBY/COLLABORATION/LOUNGE 102	RG-2	6X6	100				-
Total				100		0	0	0%

RCAV-4/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-4-1	DIRTY STAGING/PRE-WASH 132	RG-1	8X8	190				-
Total				190		0	0	0%

RCAV-5/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-5-1	DIRTY STAGING/PRE-WASH 132	RG-2	14X14	800				-
Total				800		0	0	0%

RCAV-6/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-6-1	WRAP 135	RG-2	14X14	560				-
Total				560		0	0	0%

RCAV-7/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-7-1	CLEAN EQUIPMENT 138	RG-2	16X16	770				-
Total				770		0	0	0%

RCAV-8/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-8-1	JAN 140	RG-2	12X12	370				-
R1-8-2	GMP STORAGE 139	RG-2	12X12	370				-
Total				740		0	0	0%

RCAV-9/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-9-1	QC LAB 116	CR-5	15X15	700				-
R1-9-2	QC LAB 116	CR-5	15X15	700				-
Total				1400		0	0	0%

RCAV-10/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-10-1	MICRO LAB 115	CR-15	15X15	720				-
R1-10-2	MICRO LAB 115	CR-15	15X15	720				-
R1-10-3	MICRO LAB 115	CR-15	15X15	720				-
Total				2160		0	0	0%

RCAV-1A 1/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-1A-1	LOBBY/COLLABORATION/LOUNGE 102	RG-2	22X10	560				-
R1-1A-2	TECH 136	RG-2	22X10	560				-
R1-1A-3	DIRTY STAGING/PRE-WASH 132	RG-2	22X10	560				-
Total				1680		0	0	0%

RCAV-1B 2/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-1B-1	GMP STORAGE 139	RG-2	22X10	560				-

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RCAV-1B 2/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-1B-2	GMP STORAGE 139	RG-2	22X10	560				-
R1-1B-3	GMP STORAGE 139	RG-2	22X10	560				-
Total				1680		0	0	0%

RCAV-1C 3/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-1C-1	CLEAN ROOM TRAINING 134	RG-2	22X10	560				-
R1-1C-2	CLEAN ROOM TRAINING 134	RG-2	22X10	560				-
R1-1C-3	CLEAN ROOM TRAINING 134	RG-2	22X10	560				-
Total				1680		0	0	0%

RVAV-1/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1-1-1	CLRM 3 117	CR-4	12	570				-
R1-1-2	CLRM 3 117	CR-4	12	570				-
R1-1-3	CLRM 3 117	CR-4	12	560				-
Total				1700		0	0	0%

National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: AHU/RTU

Asset: AHU-2 AREA:CLRM 1 111

Unit Data	
	Actual
MFG	TRANE
Serial Num	H24H68766
Model Num	CSAA030UBM00
Configuration	VERTICAL
Num PreFilter 1	3
PreFilter Size 1	12X24X2
Num PreFilter 2	6
PreFilter Size 2	20X24X6
Num Final Filter 1	3
Final Filter Size 1	12X24X4
Num Final Filter 2	6
Final Filter Size 2	20X24X4

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	215T
Horsepower	-	10
Motor Rpm	-	1770
Phase	-	3
Rated Voltage	-	230
Rated Amperage	-	25
Service Factor	-	1.15

Test Data		
	Design	**Actual**
SF CFM	13000	
SF RPM	1976	
RA CFM	10450	
OA CFM	2550	
Relief CFM	-	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	67.00	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
OA Damper Position	-	
Brake Horse Power	9.687	

Performance Data		
	Design	**Actual**
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	2	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D	-	
Heating Coil P.D.	-	
HW Coil P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	

Notes:
PRE FILTER: 2 @ 16X20X2
FINAL FILTER: 2 @16X20X4

Written By: Antonio Flores-De La Cruz on 02/04/2026

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National TAB

Project:SPCC Aseptic Training Facility (Monroe, NC)

AHU/RTU

VAV - Single Duct

AHU-2/CLRM 1 111

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
VAV-1	NA	NA	REHEAT	10	1100	817	360	365	360	365	986
VAV-2	NA	NA	REHEAT	6	360	365	285	286	285	286	718
VAV-3	NA	NA	REHEAT	06	330	323	105	106	105	105	450
VAV-4	NA	NA	REHEAT	04	150	153	68	68	68	68	285
VAV-5	NA	NA	REHEAT	08	780	783	380	381	380	381	808
VAV-6	NA	NA	REHEAT	06	255	254	60	60	60	60	450
VAV-8	NA	NA	REHEAT	06	230	232	60	61	60	61	450
VAV-9	NA	NA	REHEAT	12	1780		535				
VAV-10	NA	NA	REHEAT	08	840		250	251	250	251	877
VAV-11	NA	NA	REHEAT	8	450	443	285	284	285	285	841
VAV-7A 1	NA	NA	REHEAT	16	2100	2103	825	826	825	826	3358
VAV-7B 2	NA	NA	REHEAT	16	2100	2098	825	824	825	824	3470
VAV-7C 3	NA	NA	REHEAT	16	2100	2112	825	828	825	828	3583

Diffuser Supply (GRD)

VAV-1/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-1-1	114	CD-2	8	275	140	201	73.1
2-1-2	114	CD-2	8	275	127	206	74.9
2-1-3	114	CD-2	8	275	146	204	74.2
2-1-4	114	CD-2	8	275	143	206	74.9
Total				1100	556	817	74.27%

VAV-2/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-2-1	111C	AD-1	6	100	103		-
2-2-2	111B	AD-1	6	100	98		-
2-2-3	111A	AD-1	6	40	42		-
2-2-4	111A	CD-2	8	120	122		-
Total				360	365	0	0%

VAV-3/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-3-1	OFFICE 108	CD-3	10	330	0	323	97.9
Total				330	0	323	97.88%

VAV-4/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-4-1	OFFICE 107	CD-2	8	150	153	153	102.0
Total				150	153	153	102%

VAV-5/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
2-5-1	CONFERENCE 105	CD-2	8	195	107	190	97.4

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VAV-5/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-5-2	CONFERENCE 105	CD-2	8	195	111	200	102.6
2-5-3	CONFERENCE 105	CD-2	8	195	123	203	104.1
2-5-4	CONFERENCE 105	CD-2	8	195	128	190	97.4
Total				780	469	783	100.38%

VAV-6/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-6-1	COPY 109	CD-2	8	125	200	128	102.4
2-6-2	TOUCHDOWN 106	CD-2	8	130	0	126	96.9
Total				255	200	254	99.61%

VAV-8/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-8-1	VENDING/BREAK 103	CD-3	10	230	232	232	100.9
Total				230	232	232	100.87%

VAV-9/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-9-1	CORRIDOR 104	CD-2	8	220	121	164	74.5
2-9-2	MEN 112	CD-3	10	300	172	233	77.7
2-9-3	WOMEN 113	CD-3	10	300	209	284	94.7
2-9-4	CORRIDOR 120	CD-2	6	110	92	125	113.6
2-9-5	CORRIDOR 120	CD-2	6	110	65	88	80.0
2-9-6	CHANGE 127	CD-1	6	50	85	115	230.0
2-9-7	CHANGE 128	CD-1	6	50	82	111	222.0
2-9-8	CORRIDOR 120	CD-2	6	110	51	69	62.7
2-9-9	CORRIDOR 104	CD-2	8	220	121	164	74.5
2-9-10	CORRIDOR 104	CD-2	8	220	126	171	77.7
2-9-11	LOCKER RM	CD-1	6	90	61	83	92.2
Total				1780	1185	1607	90.28%

VAV-10/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-10-1	UTILITY 124	SG-1	8X8	190	124		-
2-10-2	ELEC 125	SG-1	8X4	50	124		-
2-10-3	SHIP/RECEIVE 123	SG-3	14X14	600	571		-
Total				840	819	0	0%

VAV-11/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
S-11-1	111G	CD-2	8	150	98	148	98.7
S-11-2	111F	CD-2	8	150	81	150	100.0
S-11-3	111E	CD-2	8	150	209	145	96.7
Total				450	388	443	98.44%

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: Chiller

Asset: CH-1 AREA:MECHANICAL YARD 142

Unit Data		
	Design	**Actual**
MFG	NA	TRANE
Model Num	NA	CGAM130F2AA2EXD2A1B3 A1AXXA1D2B4XXXXXXB1A 5 A1D2XXLX
Serial Num	-	U24H03019
Type	-	CHILLER

Test Data-Evaporator		
	Design	**Actual**
GPM	244	
EWT (F)	55.99	
LWT (F)	44.00	
CHW Delta P	10.39	

Circuit Setter

Circuit Setters (Cold Water)/

Asset							
AHU-1	**Serial Num**	**Size**	**Type**	**Design Service**	**Service**	**Design GPM**	**Design Cv**
		3				119	
	Cv	**Setting**	**Low Pres**	**High Pres**	**Delta P**	**Final GPM**	**% to Design**
							-
AHU-2	**Serial Num**	**Size**	**Type**	**Design Service**	**Service**	**Design GPM**	**Design Cv**
		3				80	
	Cv	**Setting**	**Low Pres**	**High Pres**	**Delta P**	**Final GPM**	**% to Design**
							-
FCU-1	**Serial Num**	**Size**	**Type**	**Design Service**	**Service**	**Design GPM**	**Design Cv**
		1-1/4				13	
	Cv	**Setting**	**Low Pres**	**High Pres**	**Delta P**	**Final GPM**	**% to Design**
							-
FCU-2	**Serial Num**	**Size**	**Type**	**Design Service**	**Service**	**Design GPM**	**Design Cv**
		3/4				3	
	Cv	**Setting**	**Low Pres**	**High Pres**	**Delta P**	**Final GPM**	**% to Design**
							-
FCU-3	**Serial Num**	**Size**	**Type**	**Design Service**	**Service**	**Design GPM**	**Design Cv**
		3/4				4	
	Cv	**Setting**	**Low Pres**	**High Pres**	**Delta P**	**Final GPM**	**% to Design**
							-
Total						219	
						0	0%

Diffuser Supply (GRD)

AHU-2 (VAV-7A, 7B, 7C SDs) (Office-Support)/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-7-1	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-2	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-3	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-4	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-5	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-6	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-7	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-8	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-9	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-10	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-11	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-12	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-13	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-14	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-15	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-16	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-17	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
2-7-18	LOBBY/COLLABORATION/LOUNGE 102	SG-4	20X6	350			-
Total				6300	0	0	0%

FCU-1/UTILITY 124

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F1-1	UTILITY 124	SG-2	10X10	395	180	377	95.4

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FCU-1/UTILITY 124

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F1-2	UTILITY 124	SG-2	10X10	395	244	386	97.7
F1-3	UTILITY 124	SG-2	10X10	395	355	377	95.4
F1-4	UTILITY 124	SG-2	10X10	395	342	392	99.2
F1-5	UTILITY 124	SG-2	10X10	395	282	401	101.5
F1-6	UTILITY 124	SG-2	10X10	395	564	401	101.5
Total				2370	1967	2334	98.48%

FCU-2/ELEC 125

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F2-1	ELEC 125	SG-3	14X14	500	1002	509	101.8
Total				500	1002	509	101.8%

FCU-3/PROCESS UTILITIES 141

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F3-1	PROCESS UTILITIES 141	SG-3	12X10	700			-
F3-2	PASS THROUGH 133			50			-
F3-3	TECH 136			50			-
F3-4	AUTOCLAVE			50			-
Total				850	0	0	0%

FCU-4/VEST 101

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F4-1	VEST 101	CD-1	6	90			-
Total				90	0	0	0%

SCAV-2/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-2-1	PAL 130	HF-2	10	190	76	103	54.2
Total				190	76	103	54.21%

SCAV-3/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-3-1	PAL 129	HF-2	10	100	204	191	191.0
Total				100	204	191	191%

SCAV-4/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-4-1	MAL 131	HF-2	10	150	130	153	102.0
Total				150	130	153	102%

SCAV-5/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-5-1	DIRTY STAGING/PRE-WASH 132	HF-1	12	400	265	377	94.3
1-5-2	DIRTY STAGING/PRE-WASH 132	HF-1	12	400	230	378	94.5
Total				800	495	755	94.38%

SCAV-6/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-6-1	PASS THROUGH TECH 133	HF-1	10	280	240	292	104.3

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SCAV-6/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-6-2	PASS THROUGH TECH 133	HF-1	10	280	242	284	101.4
Total				560	482	576	102.86%

SCAV-7/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-7-1	CLEAN EQUIPMENT 138	HF-1	10	315	285	311	98.7
1-7-2	CLEAN EQUIPMENT 138	HF-1	10	315	268	312	99.0
Total				630	553	623	98.89%

SCAV-8/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-8-1	GMP STORAGE 139	HF-1	10	390	256	292	74.9
1-8-2	GMP STORAGE 139	HF-1	10	390	255	291	74.6
1-8-3	GMP STORAGE 139	HF-2	10	120	296	337	280.8
Total				900	807	920	102.22%

SCAV-9/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-9-1	QC LAB 116	CD-3	10	390	385	398	102.1
1-9-2	QC LAB 116	CD-3	10	390	358	396	101.5
1-9-3	QC LAB 116	CD-3	10	395	423	374	94.7
1-9-4	QC LAB 116	CD-3	10	395	422	396	100.3
Total				1570	1588	1564	99.62%

SCAV-10/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-10-1	MICRO LAB 115	CD-3	10	305	152	316	103.6
1-10-2	MICRO LAB 115	CD-3	10	305	488	314	103.0
1-10-3	MICRO LAB 115	CD-3	10	305	413	306	100.3
1-10-4	MICRO LAB 115	CD-3	10	305	288	296	97.0
1-10-5	MICRO LAB 115	CD-3	10	305	461	309	101.3
1-10-6	MICRO LAB 115	CD-3	10	305	465	316	103.6
Total				1830	2267	1857	101.48%

SCAV-11/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-11-1	PROCESS UTILITIES 141	SG-1	8X4	50	56	51	102.0
Total				50	56	51	102%

SCAV-1A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1A-1	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1A-2	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1A-3	CLEAN ROOM TRAINING 134	HF-1	12	465			-
1-1A-4	CLEAN ROOM TRAINING 134	HF-1	12	465			-
Total				1870	0	0	0%

SCAV-1B 2/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1B-1	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1B-2	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1B-3	CLEAN ROOM TRAINING 134	HF-1	12	470			-
1-1B-4	CLEAN ROOM TRAINING 134	HF-1	12	470			-
Total				1880	0	0	0%

SCAV-1C 3/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1C-1	CLEAN ROOM TRAINING 134	HF-1	12	465			-
1-1C-2	CLEAN ROOM TRAINING 134	HF-1	12	465			-
1-1C-3	CLEAN ROOM TRAINING 134	HF-1	12	465			-
1-1C-4	CLEAN ROOM TRAINING 134	HF-1	12	465			-
Total				1860	0	0	0%

SVAV-1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1-1-1	CLRM 3 117	CD-3	10	285	225	272	95.4
1-1-2	CLRM 3 117	CD-3	10	285	342	281	98.6
1-1-3	CLRM 3 117	CD-3	10	285	289	296	103.9
1-1-4	CLRM 3 117	CD-3	10	285	303	295	103.5
1-1-5	CLRM 3 117	CD-3	10	280	306	295	105.4
1-1-6	CLRM 3 117	CD-3	10	280	295	284	101.4
Total				1700	1760	1723	101.35%

VAV-1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-1-1	114	CD-2	8	275	140	201	73.1
2-1-2	114	CD-2	8	275	127	206	74.9
2-1-3	114	CD-2	8	275	146	204	74.2
2-1-4	114	CD-2	8	275	143	206	74.9
Total				1100	556	817	74.27%

VAV-2/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-2-1	111C	AD-1	6	100	103		-
2-2-2	111B	AD-1	6	100	98		-
2-2-3	111A	AD-1	6	40	42		-
2-2-4	111A	CD-2	8	120	122		-
Total				360	365	0	0%

VAV-3/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-3-1	OFFICE 108	CD-3	10	330	0	323	97.9
Total				330	0	323	97.88%

VAV-4/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-4-1	OFFICE 107	CD-2	8	150	153	153	102.0
Total				150	153	153	102%

VAV-5/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-5-1	CONFERENCE 105	CD-2	8	195	107	190	97.4
2-5-2	CONFERENCE 105	CD-2	8	195	111	200	102.6
2-5-3	CONFERENCE 105	CD-2	8	195	123	203	104.1
2-5-4	CONFERENCE 105	CD-2	8	195	128	190	97.4
Total				780	469	783	100.38%

VAV-6/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-6-1	COPY 109	CD-2	8	125	200	128	102.4
2-6-2	TOUCHDOWN 106	CD-2	8	130	0	126	96.9
Total				255	200	254	99.61%

VAV-8/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-8-1	VENDING/BREAK 103	CD-3	10	230	232	232	100.9
Total				230	232	232	100.87%

VAV-9/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-9-1	CORRIDOR 104	CD-2	8	220	121	164	74.5
2-9-2	MEN 112	CD-3	10	300	172	233	77.7
2-9-3	WOMEN 113	CD-3	10	300	209	284	94.7
2-9-4	CORRIDOR 120	CD-2	6	110	92	125	113.6
2-9-5	CORRIDOR 120	CD-2	6	110	65	88	80.0
2-9-6	CHANGE 127	CD-1	6	50	85	115	230.0
2-9-7	CHANGE 128	CD-1	6	50	82	111	222.0
2-9-8	CORRIDOR 120	CD-2	6	110	51	69	62.7
2-9-9	CORRIDOR 104	CD-2	8	220	121	164	74.5
2-9-10	CORRIDOR 104	CD-2	8	220	126	171	77.7
2-9-11	LOCKER RM	CD-1	6	90	61	83	92.2
Total				1780	1185	1607	90.28%

VAV-10/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
2-10-1	UTILITY 124	SG-1	8X8	190	124		-
2-10-2	ELEC 125	SG-1	8X4	50	124		-
2-10-3	SHIP/RECEIVE 123	SG-3	14X14	600	571		-
Total				840	819	0	0%

VAV-11/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
S-11-1	111G	CD-2	8	150	98	148	98.7
S-11-2	111F	CD-2	8	150	81	150	100.0
S-11-3	111E	CD-2	8	150	209	145	96.7
Total				450	388	443	98.44%

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: FAN - Exhaust

Asset: EF-1 AREA:MEN 112

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-099-VG
Serial Num	-	27247178
Type	-	CRE

Motor Data		
	Design	**Actual**
Motor MFG	-	VARIGREEN
Frame	-	NL
Horsepower	-	0.25
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.85
Service Factor	-	1.25

Test Data		
	Design	**Actual**
CFM	890	895
System SetPt	-	7 ON DIAL
RL Voltage	-	120
RL Amperage	-	1.8
Suction ESP	-	-0.31"
Discharge ESP	-	ATM
Total ESP	0.5"	0.5
Brake Horse Power	-	0.16

Completed By: Antonio Flores-De La Cruz on 02/24/2026

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National TAB

Project:SPCC Aseptic Training Facility (Monroe, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-1/MEN 112

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
EGRD1				300	1	290	301	100.3
EGRD2				50	0.20	289	51	102.0
EGRD3				50	1	50	48	96.0
EGRD4				190	1	172	189	99.5
EGRD5				300	1	387	306	102.0
Total				890		1188	895	100.56%

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: FAN - Exhaust

Asset: EF-2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	VEKTOR-H-10
Serial Num	-	
Type	-	

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

Test Data		
	Design	**Actual**
CFM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	-	
Brake Horse Power	-	

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: FAN - Exhaust

Asset: EF-3 AREA:GMP STORAGE 139

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-080-VG
Serial Num	-	27260345
Type	-	CRE

Motor Data		
	Design	**Actual**
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	0.10
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.38
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	220	223
System SetPt	-	6.5 ON DIAL
RL Voltage	-	120
RL Amperage	-	0.9
Suction ESP	-	-0.14"
Discharge ESP	-	ATM
Total ESP	0.5"	0.14"
Brake Horse Power	-	0.07

Completed By: Antonio Flores-De La Cruz on 02/18/2026

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VAV - Single Duct

EF-3/GMP STORAGE 139

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)**
ECAV-1	NA	NA			220		140				

Diffuser Ret/Exh (GRD)

ECAV-1/

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E3-1-1	GMP STORAGE 139	EG-1	8X8	220				-
Total				220		0	0	0%

National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: FAN - Exhaust

Asset: EF-4 AREA:AUTOCLAVE 137

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-080-VG
Serial Num	-	27260344
Type	-	CRE

Motor Data		
	Design	**Actual**
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	-	0.10
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	1.38
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	150	152
System SetPt	-	4.3 ON DIAL
RL Voltage	-	120
RL Amperage	-	0.4
Suction ESP	-	-0.14"
Discharge ESP	-	ATM
Total ESP	0.5"	0.14"
Brake Horse Power	-	0.03

Completed By: Antonio Flores-De La Cruz on 02/18/2026

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National TAB

Project:SPCC Aseptic Training Facility (Monroe, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-4/AUTOCLAVE 137

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E4-1	AUTOCLAVE 137	THIMBLE		75				-
Total				75		0	0	0%

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: Fan Coil

Asset: FCU-1 AREA:UTILITY 124

Unit Data		
	Design	**Actual**
MFG	NA	ENVIRO-TEC
Model Num	NA	HDD20
Serial Num	-	6HNM004597
Type	-	FCU
Num Filters Size 1	-	1
Filter Size 1	-	16X25X2

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	1.5
Motor Rpm	-	NL
Phase	-	3
Voltage (rated)	-	460
Amperage (rated)	-	2.2
Service Factor	-	1
Brake Horse Power	-	-

Test Data		
	Design	**Actual**
SFAN CFM	2370	2334
SFAN RPM	1392	DD
Motor Frequency	-	DD
Motor Speed SetPt	-	F 60
RL Voltage	460	477/478/479
RL Amperage	2.20	2.1
RA CFM	2370	2334
OA CFM	0	0

Performance Data		
	Design	**Actual**
Suction ESP	-	-0.11"
Discharge ESP	-	0.51"
Total ESP	0.50	0.62"

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National TAB

Project:SPCC Aseptic Training Facility (Monroe, NC)

Fan Coil

Diffuser Supply (GRD)

FCU-1/UTILITY 124

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F1-1	UTILITY 124	SG-2	10X10	395	180	377	95.4
F1-2	UTILITY 124	SG-2	10X10	395	244	386	97.7
F1-3	UTILITY 124	SG-2	10X10	395	355	377	95.4
F1-4	UTILITY 124	SG-2	10X10	395	342	392	99.2
F1-5	UTILITY 124	SG-2	10X10	395	282	401	101.5
F1-6	UTILITY 124	SG-2	10X10	395	564	401	101.5
Total				2370	1967	2334	98.48%

Diffuser Ret/Exh (GRD)

FCU-1/UTILITY 124

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
RF1-1	UTILITY 124	RG-3	20X20	2370	2.64	2334	2334	98.5
Total				2370		2334	2334	98.48%

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: Fan Coil

Asset: FCU-2 AREA:ELEC 125

Unit Data		
	Design	**Actual**
MFG	NA	ENVIRO-TEC
Model Num	NA	HDD08
Serial Num	-	6HNM004598
Type	-	FCU
Num Filters Size 1	-	1
Filter Size 1	-	16X20X2

Motor Data		
	Design	**Actual**
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	0.5
Motor Rpm	-	NL
Phase	-	3
Voltage (rated)	-	460
Amperage (rated)	-	1
Service Factor	-	1
Brake Horse Power	-	-

Test Data		
	Design	**Actual**
SFAN CFM	500	509
SFAN RPM	1059	DIRECT DRIVE
Motor Speed SetPt	-	11 ON DIAL
RL Voltage	460	479/477/478
RL Amperage	0.36	0.34/0.35/0.35
RA CFM	500	509
OA CFM	0	0

Performance Data		
	Design	**Actual**
Suction ESP	-	-0.09"
Discharge ESP	-	0.04"
Total ESP	0.50	0.13"

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Project:SPCC Aseptic Training Facility (Monroe, NC)

Fan Coil

Diffuser Supply (GRD)

FCU-2/ELEC 125

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F2-1	ELEC 125	SG-3	14X14	500	1002	509	101.8
Total				500	1002	509	101.8%

Diffuser Ret/Exh (GRD)

FCU-2/ELEC 125

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
RF2-1	ELEC 125	RG-2	14X14	500	1.67	1002	509	101.8
Total				500		1002	509	101.8%

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: Fan Coil

Asset: FCU-3 AREA:PROCESS UTILITIES 141

Unit Data		
	Design	**Actual**
MFG	NA	ENVIRO-TEC
Model Num	NA	HDD12
Serial Num	-	
Type	-	
Num Filters Size 1	-	
Filter Size 1	-	

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

Test Data		
	Design	**Actual**
SFAN CFM	850	
SFAN RPM	1242	
Motor Frequency	-	
Motor Speed SetPt	-	
RL Voltage	460	
RL Amperage	0.6	
RA CFM	850	
OA CFM	0	

Performance Data		
	Design	**Actual**
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	

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National TAB

Project:SPCC Aseptic Training Facility (Monroe, NC)

Fan Coil

Diffuser Supply (GRD)

FCU-3/PROCESS UTILITIES 141

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F3-1	PROCESS UTILITIES 141	SG-3	12X10	700			-
F3-2	PASS THROUGH 133			50			-
F3-3	TECH 136			50			-
F3-4	AUTOCLAVE			50			-
Total				850	0	0	0%

Diffuser Ret/Exh (GRD)

FCU-3/PROCESS UTILITIES 141

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
RF3-1	PROCESS UTILITIES 141	RG-2	12X10	700				-
RF3-2	PASS THROUGH 133			50				-
RF3-3	TECH 136			50				-
RF3-4	AUTOCLAVE 137			50				-
Total				850		0	0	0%

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Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: Fan Coil

Asset: FCU-4 AREA:VEST 101

Unit Data		
	Design	**Actual**
MFG	NA	MARKEL
Model Num	NA	J3482TA1S
Serial Num	-	
Type	-	
Num Filters Size 1	-	
Filter Size 1	-	

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

Test Data		
	Design	**Actual**
SFAN CFM	600	
SFAN RPM	-	
Motor Frequency	-	
Motor Speed SetPt	-	
RL Voltage	208	
RL Amperage	5.6	
RA CFM	600	
OA CFM	0	

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

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National TAB

Project:SPCC Aseptic Training Facility (Monroe, NC)

Fan Coil

Diffuser Supply (GRD)

FCU-4/VEST 101

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
F4-1	VEST 101	CD-1	6	90			-
Total				90	0	0	0%

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: Pump

Asset: CHWP-1 AREA:UTILITY 124

Unit Data	
	Actual
MFG	BELL & GOSSETT
Model Num	E-1510 2.5BB
Serial Num	PRD433212F52
Service	
Type	
Configuration	
Pump RPM	1800
GPM/HD	280 / 50
Impeller Diameter	8.75

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	213T
Horsepower	-	7.5
Motor Rpm	-	1770
Phase	-	3
Voltage	-	460
Amperage	-	9.8
Service Factor	-	1.15
Efficiency	-	91%
Power Factor	-	79%

Test Data		
	Design	**Actual**
Pump Off Pres	-	
Pump Dead Head Pres	-	
Act Impeller Dia (IN)	-	
Valve Open GPM	-	
Valve Open Diff (FT)	-	
Final Suction Pres (FT)	-	
Final Discharge Pres (FT)	-	
Total Head Pres (FT)	-	
Final GPM	-	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	460	
RL Amperage	-	
Brake Horse Power	-	

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National TAB

Project: SPCC Aseptic Training Facility (Monroe, NC)

System/Unit: Pump

Asset: CHWP-2 AREA:UTILITY 124

Unit Data		
	Design	**Actual**
MFG	NA	BELL & GOSSETT
Model Num	NA	E-1510 2.5BB
Serial Num	-	PRD433211F52
Service	-	
Type	-	
Configuration	-	
Pump RPM	-	1800
GPM/HD	-	280 / 50
Impeller Diameter	-	8.75

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR
Frame	-	213T
Horsepower	-	7.5
Motor Rpm	-	1770
Phase	-	3
Voltage	-	460
Amperage	-	9.8
Service Factor	-	1.15
Efficiency	-	91%
Power Factor	-	79%

Test Data		
	Design	**Actual**
Pump Off Pres	-	
Pump Dead Head Pres	-	
Act Impeller Dia (IN)	-	
Valve Open GPM	-	
Valve Open Diff (FT)	-	
Final Suction Pres (FT)	-	
Final Discharge Pres (FT)	-	
Total Head Pres (FT)	-	
Final GPM	-	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	460	
RL Amperage	-	
Brake Horse Power	-	

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