National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: AHU/RTU

Asset: AHU-1N 1 AREA:N161

Unit Data		
	Design	**Actual**
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	CAH021GDGM
Type	-	
Configuration	INLINE HORIZONTAL	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	**Actual**
SF CFM	10000	
SF RPM	2572	
RA CFM	-	
OA CFM	2230	
Relief CFM	-	
RL Voltage	480	
RL Amperage	12.50	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	9.25	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.50	
Fan Total SP	3.12	
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)	-	

National TAB

Project:NCANG Repair Bldg 51 (Charlotte, NC)

AHU/RTU

VAV - Single Duct

AHU-1N 1/N161

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)
AT-H142	PRICE	SDV	REHEAT	8	600		180		180		
AT-H144	NA	PRICE	SDV	5	255		80		80		
AT-N104	PRICE	SDV	REHEAT	6	310		95		95		
AT-N110	PRICE	SDV	REHEAT	10	1020		310		310		
AT-N111	PRICE	SDV	REHEAT	6	285		90		90		
AT-N113	PRICE	DSV	REHEAT	8	575		175		175		
AT-N116	PRICE	SDV	REHEAT	5	255		125		125		
AT-N118	PRICE	SDV	REHEAT	7	390		120		120		
AT-N121	PRICE	SDV	REHEAT	10	825		250		250		
AT-N122	PRICE	SDV	REHEAT	8	620		190		190		
AT-N125	PRICE	SDV	REHEAT	7	390		120		120		
AT-N131	PRICE	SDV	REHEAT	14	1890		570		570		
AT-N141	PRICE	SDV	REHEAT	5	230		70		70		
AT-N142	PRICE	SDV	REHEAT	5	200		60		60		
AT-N151	PRICE	SDV	REHEAT	12	1495		450		450		
AT-N110A 1	PRICE	SDV	REHEAT	6	340		105		105		
AT-N113A 1	PRICE	SDV	REHEAT	4	95		50		50		
AT-N125A 1	PRICE	SDV	REHEAT	4	75		45		45		
AT-N153A 1	PRICE	SDV	-	5	230		70		70		
AT-N153B 1	PRICE	NA	-	5	205		100		100		
AT-N153C 1	PRICE	SDV	-	4	170		85		85		
AT-N153E 1	PRICE	DSV	-	5	210		65		65		

Diffuser Ret/Exh (GRD)

AHU-1N 1/N161

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
R1N-1	N107 CORRIDOR	RG-1	22X22	215				-
R1N-2	N111 PW OFFICE	RG-1	22X22	75				-
R1N-3	N122 BREAK RM	RG-1	22X22	290				-
R1N-4	N110A SPIR	RG-1	22X22	170				-
R1N-5	N110AA COMSEC	RG-1	22X22	170				-
R1N-6	N110 AVIONICS	RG-1	22X22	540				-
R1N-7	N110 AVIONICS	RG-1	22X22	540				-
R1N-8	N116 AVIONICS CHIEF	RG-1	22X22	110				-
R1N-9	N117 CMF CHIEF	RG-1	22X22	95				-
R1N-10	N118 CONFERENCE	RG-1	22X22	390				-
R1N-11	N113 ENGINE WORKROOM	RG-1	22X22	575				-
R1N-12	N113A ENG ELEMENT CHIEF	RG-1	22X22	95				-
R1N-13	N150 CORRIDOR	RG-1	22X22	330				-
R1N-14	N143 SHIRT OFFICE	RG-1	22X22	75				-
R1N-15	N151 READY/BREAK RM	RG-1	22X22	330				-
R1N-16	N151 READY/BREAK RM	RG-1	22X22	330				-
R1N-17	N141 COMMANDER	RG-1	22X22	90				-
R1N-18	N153F AMXS FLIGHT CHIEF	RG-1	22X22	80				-
R1N-19	N153C AMXS FLIGHT CHIEF	RG-1	22X22	90				-
R1N-20	N153B AMXS FLIGHT CHIEF	RG-1	22X22	205				-
R1N-21	N153 CORRIDOR	RG-1	22X22	55				-
R1N-22	N153A AMXS FLIGHT CHIEF	RG-1	22X22	230				-
R1N-23	N151 READY/BREAK RM	RG-1	22X22	330				-
R1N-24	N151 READY/BREAK RM	RG-1	22X22	330				-
R1N-25	N144 PRO SUP	RG-1	22X22	75				-
R1N-26	N142 MOO	RG-1	22X22	75				-
R1N-27	N120 CORRIDOR	RG-1	22X22	245				-
R1N-28	N125A REP	RG-1	22X22	75				-
R1N-29	N125 OPEN OFFICE	RG-1	22X22	390				-
R1N-30	N131 CTK	RG-1	22X22	1200				-
R1N-31	H144 HYDRO ADMIN	RG-1	22X22	180				-
R1N-32	144A HYDRO SECTION CHIEF	RG-1	22X22	75				-
R1N-33	H142A ELEC SECTION CHIEF	RG-1	22X22	75				-
R1N-34	H140 PASSAGE	RG-1	22X22	130				-
R1N-35	H143 ELEC/HYDRO STORAGE	RG-1	22X22	50				-
R1N-36	H142 ELEC ADMIN	RG-1	22X22	220				-
R1N-37	H141 aCCESSORIES ELEMENT CHIEF	RG-1	22X22	75				-
Total				8605		0	0	0%

Diffuser Supply (GRD)

AT-H142/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
H142-1	H140 PASSAGE	CD-2	8	130			-
H142-2	H143 ELEC/HYD STORAGE	CD-1	6	50			-
H142-3	H141 ACCESSORIES CHIEF	CD-1	6	75			-
H142-4	H142 ELEC ADMIN	CD-1	6	110			-
H142-5	H131 VESTIBULE	CD-1	6	50			-
H142-6	H142 ELEC ADMIN	CD-1	6	110			-
H142-7	h142A ELEC OFFICE	CD-1	6	75			-
Total				600	0	0	0%

AT-H144/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
H144-1	H144A HYDRO CHIEF	CD-1	6	75			-
H144-2	H144 HYDRO ADMIN	CD-2	8	180			-
Total				255	0	0	0%

AT-N104/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N104-1	N104 WOMEN RR	CD-2	8	205			-
N104-2	N101 CORRIDOR	CD-1	6	55			-
N104-3	N104B WOMEN SHOWER	CD-1	6	50			-
Total				310	0	0	0%

AT-N110/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N110-1	N110 AVIONICS	CD-2	8	170			-
N110-2	N110 AVIONICS	CD-2	8	170			-
N110-3	N110 AVIONICS	CD-2	8	170			-
N110-4	N110 AVIONICS	CD-2	8	170			-
N110-5	N110 AVIONICS	CD-2	8	170			-
N110-6	N110 AVIONICS	CD-2	8	170			-
Total				1020	0	0	0%

AT-N111/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N111-1	N107 CORRIDOR	CD-2	8	160			-
N111-2	N112 STORAGE	CD-1	6	50			-
N111-3	N111 PW OFFICE	CD-1	6	75			-
Total				285	0	0	0%

AT-N113/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N113A-1	N113 ENGINE WORKROOM	CD-1	6	115			-
N113A-2	N113 ENGINE WORKROOM	CD-1	6	115			-
N113A-3	N113 ENGINE WORKROOM	CD-1	6	115			-
N113A-4	N113 ENGINE WORKROOM	CD-1	6	115			-
N113A-5	N113 ENGINE WORKROOM	CD-1	6	115			-
Total				575	0	0	0%

AT-N116/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N116-1	N115 PASSAGE	CD-1	6	50			-
N116-2	N116 AVIONICS CHIEF	CD-1	6	110			-
N116-3	N117 CMF CHIEF	CD-1	6	95			-
Total				255	0	0	0%

AT-N118/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N118-1	N118 CONFERENCE	CD-2	8	195			-
N118-2	N118 CONFERENCE	CD-2	8	195			-
Total				390	0	0	0%

AT-N121/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N121-1	N121 MENS RR	CD-3	10	275			-
N121-2	N121A MENS LOCKERS	CD-3	10	275			-
N121-3	N121C MENS SHOWERS	CD-3	10	275			-
Total				825	0	0	0%

AT-N122/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N122-1	N122 BREAK RM	CD-2	8	220			-
N122-2	N122 BREAK RM	CD-2	8	180			-
N122-3	N122 BREAK RM	CD-2	8	220			-
Total				620	0	0	0%

AT-N125/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N125-1	N125	CD-2	8	195			-
N125-2	N125	CD-2	8	195			-
Total				390	0	0	0%

AT-N131/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N131-1	N131 CTK	SG-1	12X6	180			-
N131-2	N131 CTK	SG-1	12X6	180			-
N131-3	N131 CTK	SG-1	12X6	180			-
N131-4	N131 CTK	SG-1	12X6	180			-
N131-5	N131 CTK	SG-1	12X6	180			-
N131-6	N131 CTK	SG-1	12X6	180			-
N131-7	N131 CTK	SG-1	12X6	180			-
N131-8	N131 CTK	SG-1	12X6	180			-
N131-9	N131 CTK	SG-1	12X6	180			-
N131-10	N131 CTK	SG-1	12X6	180			-
Total				1800	0	0	0%

AT-N141/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N141-1	N140	CD-1	6	65			-
N141-2	N143	CD-1	6	75			-
N141-3	N141	CD-1	6	90			-
Total				230	0	0	0%

AT-N142/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N142-1	N144 PRO SUP	CD-1	6	75			-
N142-2	N142 MOO	CD-1	6	75			-
Total				150	0	0	0%

AT-N151/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N151-1	N151	CD-2	8	220			-
N151-2	N151	CD-2	8	220			-
N151-3	N151	CD-2	8	220			-
N151-4	N151	CD-2	8	220			-
N151-5	N151	CD-2	8	220			-
N151-6	N151	CD-2	8	220			-
N151-7	N151	CD-2	8	220			-
Total				1540	0	0	0%

AT-N110A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N110A-1	N110A SIPR	CD-2	8	170			-
N110A-2	H110AA COMSEC	CD-2	8	170			-
Total				340	0	0	0%

AT-N113A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N113A-1	N113A ENG ELEMENT CHIEF	CD-1	6	95			-
Total				95	0	0	0%

AT-N125A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N125A-1	N125A REP	CD-1	6	75			-
Total				75	0	0	0%

AT-N153A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N153A-1	N153A	CD-2	8	230			-
Total				230	0	0	0%

AT-N153B 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N153B-1	N153B	CD-2	8	205			-
Total				205	0	0	0%

AT-N153C 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N153C-1	N153C	CD-1	6	90			-
N153C-2	N153F	CD-1	6	80			-
Total				170	0	0	0%

AT-N153E 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
N153E-1	N153	CD-1	6	55			-
N153E-2	N153D	CD-1	6	75			-
N153E-3	N153E	CD-1	6	80			-
Total				210	0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: AHU/RTU

Asset: AHU-2E 1 AREA:E126

Unit Data		
	Design	**Actual**
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	CAH011GDGM
Type	-	
Configuration	INLINE HORIZONTAL	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	**Actual**
SF CFM	5000	
SF RPM	2116	
RA CFM	-	
OA CFM	1125	
Relief CFM	-	
RL Voltage	480	
RL Amperage	6.60	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	3.89	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	1.50	
Fan Total SP	3.37	
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)	-	

VAV - Single Duct

AHU-2E 1/E126

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)
AT-E101	PRICE	SDV	REHEAT	10	885		270		270		
AT-E102	PRICE	SDV	REHEAT	8	575		175		175		
AT-E103	PRICE	SDV	REHEAT	4	115		45		45		
AT-E104	PRICE	SDV	REHEAT	4	170		55		55		
AT-E105	PRICE	SDV	REHEAT	6	270		120		120		
AT-E106	PRICE	SDV	REHEAT	4	115		45		45		
AT-E107	PRICE	SDV	REHEAT	4	75		45		45		
AT-E108	PRICE	SDV	REHEAT	8	640		195		195		
AT-E117	PRICE	SDV	REHEAT	6	300		90		90		
AT-E123	PRICE	SDV	REHEAT	8	665		210		210		
AT-E107A 1	PRICE	SDV	REHEAT	7	490		150		150		
AT-E123A 1	PRICE	SDV	REHEAT	5	180		80		80		
AT-E123C 1	PRICE	SDV	REHEAT	5	240		75		75		
AT-H112	PRICE	DSV	REHEAT	8	665		200		200		

Diffuser Ret/Exh (GRD)

AHU-2E 1/E126

Asset								
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	FINAL CFM	% to design
R2E-1	E102 OPEN OFFICE	RG-1	22X22	525				-
R2E-2	E103 MXG/ADM	RG-1	22X22	115				-
R2E-3	E106 CCC	RG-1	22X22	115				-
R2E-4	E105 MXG/CC	RG-1	22X22	270				-
R2E-5	E104 DCM	RG-1	22X22	170				-
R2E-6	E101 FOYER	RG-1	22X22	295				-
R2E-7	E107A TESTING	RG-1	22X22	370				-
R2E-8	E107 UTM OFFICE	RG-1	22X22	75				-
R2E-9	E101 FOYER	RG-1	22X22	295				-
R2E-10	E123C CONF RM	RG-1	22X22	240				-
R2E-11	E101 FOYER	RG-1	22X22	295				-
R2E-12	E123B QC SUPER	RG-1	22X22	90				-
R2E-13	E123A CHIEF INSPECTOR	RG-1	22X22	90				-
R2E-14	E108 CLASSROOM	RG-1	22X22	690				-
R2E-15	E123 OPEN OFFICE	RG-1	22X22	685				-
R2E-16	H112B INSP ELEMENT CHIEF	RG-1	22X22	100				-
R2E-17	H112C HSC SECTION CHIEF	RG-1	22X22	100				-
R2E-18	H112 OPEN OFFICE	RG-1	22X22	310				-
Total				4830		0	0	0%

Diffuser Supply (GRD)

AT-E101/E126

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E101-1	E101 FOYER	SG-3	18X8	295			-
E101-2	E101 FOYER	SG-3	18X8	295			-
E101-3	E101 FOYER	SG-3	18X8	295			-
Total				885	0	0	0%

AT-E102/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E102-1	E108A STORAGE	CD-1	6	50			-
E102-2	E102 OPEN OFFICE	CD-2	8	175			-
E102-3	E102 OPEN OFFICE	CD-2	8	175			-
E102-4	E102 OPEN OFFICE	CD-2	8	175			-
Total				575	0	0	0%

AT-E103/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E103-1	E103 MXG/ADM	CD-1	6	115			-
Total				115	0	0	0%

AT-E104/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E104-1	E104 DCM	CD-2	8	170			-
Total				170	0	0	0%

AT-E105/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E105-1	E105 MXG/CC	CD-2	8	135			-
E105-2	E105 MXG/CC	CD-2	8	135			-
Total				270	0	0	0%

AT-E106/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E106-1	E106 CCC	CD-1	6	115			-
Total				115	0	0	0%

AT-E107/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E107-1	E107 UTM OFFICE	CD-1	6	75			-
Total				75	0	0	0%

AT-E108/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E108-1	E108 CLASSROOM	CD-2	8	160			-
E108-2	E108 CLASSROOM	CD-2	8	160			-
E108-3	E108 CLASSROOM	CD-2	8	160			-
E108-4	E108 CLASSROOM	CD-2	8	160			-
Total				640	0	0	0%

AT-E117/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E117-1	E110 CORRIDOR	CD-2	8	205			-
E117-2	E117 BREAK	CD-1	6	95			-
Total				300	0	0	0%

AT-E123/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E123-1	E125 VESTIBULE	CD-1	6	50			-
E123-2	E123 OPEN OFFICE	CD-2	8	205			-
E123-3	E123 OPEN OFFICE	CD-2	8	205			-
E123-4	E123 OPEN OFFICE	CD-2	8	205			-
Total				665	0	0	0%

AT-E107A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E107A-1	E123D STORAGE	CD-1	6	50			-
E107A-2	E107A TESTING	CD-2	8	185			-
E107A-3	CORRIDOR	CD-1	6	70			-
E107A-4	E107A TESTING	CD-2	8	185			-
Total				490	0	0	0%

AT-E123A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E123A-1	E123A CHIEF INSPECTOR	CD-1	6	90			-
E123A-2	E123B QA SUPER	CD-1	6	90			-
Total				180	0	0	0%

AT-E123C 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
E123C-1	E123C CONF RM	CD-2	8	120			-
E123C-2	E123C CONF RM	CD-2	8	120			-
Total				240	0	0	0%

AT-H112/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
H112-1	H112 OPEN OFFICE	CD-2	8	155			-
H112-2	H112B INSP ELEMENT CHIEF	CD-1	6	100			-
H112-3	H112 OPEN OFFICE	CD-2	8	155			-
H112-4	H112 OPEN OFFICE	CD-2	8	155			-
H112-5	H112C HSC SECTION CHIEF	CD-1	6	100			-
Total				665	0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: AHU/RTU

Asset: DOAS-1N 1 AREA:N102 ELEC ROOM

Unit Data		
	Design	**Actual**
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	CAH005GDGM
Type	-	
Configuration	INLINE HORIZONTAL	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	**Actual**
SF CFM	2230	
SF RPM	2296	
RA CFM	0	
OA CFM	2230	
Relief CFM	-	
RL Voltage	460	
RL Amperage	2.60	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	1.52	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.50	
Fan Total SP	2.25	
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)	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: AHU/RTU

Asset: DOAS-2E 1 AREA:E126

Unit Data		
	Design	**Actual**
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	CAH005GDGM
Type	-	
Configuration	INLINE HORIZONTAL	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	**Actual**
SF CFM	1125	
SF RPM	1960	
RA CFM	0	
OA CFM	1125	
Relief CFM	-	
RL Voltage	480	
RL Amperage	1.50	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	0.40	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.50	
Fan Total SP	1.37	
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)	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: AHU/RTU

Asset: PAH-1 AREA:SOUTH MEZZANINE

Unit Data		
	Design	**Actual**
MFG	NA	DAIKIN
Serial Num	-	
Model Num	NA	DFC0904L000004C
Type	-	
Configuration	HORIZONTAL	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	
Num Final Filter 1	-	
Final Filter Size 1	-	
Num Final Filter 2	-	
Final Filter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	
Motor Rpm	-	
Phase	-	
Rated Voltage	-	
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	**Actual**
SF CFM	2376	
SF RPM	-	
RA CFM	-	
OA CFM	-	
Relief CFM	-	
RL Voltage	-	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	-	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Flow Station (Kv)	-	
RA Damper Position	-	
OA Damper Position	-	
Brake Horse Power	-	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	0.5	
Fan Total SP	0.7	
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)	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Energy Recovery Unit

Asset: ERV-1 AREA:NORTH MEZZANINE

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	RVE-85-52D-0-J-D1
Serial Num	-	
Num Exh-Filters 1	-	
Exh-Filter Size 1	-	
Num Exh-Filters 2	-	
Exh-Filter Size 2	-	
Num OA-Filters 1	-	
OA-Supply Size 1	-	
Num OA-Filters 2	-	
OA-Filter Size 2	-	

Exhaust Fan Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	5.0	
Motor Rpm	952	
Phase	3	
Voltage (rated)	480	
Amperage (rated)	-	
Service Factor	-	

OA Fan Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	5.0	
Motor Rpm	860	
Phase	3	
Voltage (rated)	480	
Amperage (rated)	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	
Brake Horse Power	-	

Exhaust Fan Test Data		
	Design	**Actual**
Exh-ERU CFM	5600	
Exh-ERU RPM	1466	
Motor Frequency	-	
Exh-ERU System SetPt	-	
RL Voltage	480	
RL Amperage	-	
Brake Horse Power	-	

Exhaust Fan Performance Data		
	Design	**Actual**
Exh-ERU Filter Delta SP	-	
Exh-ERU Wheel Delta SP	-	
Exh-ERU Inlet T (db/wb)	-	
Exh-ERU Discharge T (db/wb)	-	
Exh-ERU Delta T	-	

OA Fan Test Data		
	Design	**Actual**
OA-ERU CFM	5600	
OA-ERU RPM	1545	
Motor Frequency	-	
OA-ERU System SetPt	-	
RL Voltage	480	
RL Amperage	-	

OA Fan Performance Data		
	Design	**Actual**
OA-ERU Filter Delta SP	-	
OA-ERU Wheel Delta SP	-	
OA-ERU Inlet T (db/wb)	-	
OA-ERU Discharge T (db/wb)	-	
OA-ERU Delta T	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Energy Recovery Unit

Asset: ERV-2 AREA:SOUTH MEZZANINE

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	RVE-85-52D-0-J-D1
Serial Num	-	
Num Exh-Filters 1	-	
Exh-Filter Size 1	-	
Num Exh-Filters 2	-	
Exh-Filter Size 2	-	
Num OA-Filters 1	-	
OA-Supply Size 1	-	
Num OA-Filters 2	-	
OA-Filter Size 2	-	

Exhaust Fan Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	5.0	
Motor Rpm	952	
Phase	3	
Voltage (rated)	480	
Amperage (rated)	-	
Service Factor	-	

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

Exhaust Fan Test Data		
	Design	**Actual**
Exh-ERU CFM	5600	
Exh-ERU RPM	1466	
Motor Frequency	-	
Exh-ERU System SetPt	-	
RL Voltage	480	
RL Amperage	-	
Brake Horse Power	-	

Exhaust Fan Performance Data		
	Design	**Actual**
Exh-ERU Filter Delta SP	-	
Exh-ERU Wheel Delta SP	-	
Exh-ERU Inlet T (db/wb)	-	
Exh-ERU Discharge T (db/wb)	-	
Exh-ERU Delta T	-	

OA Fan Test Data		
	Design	**Actual**
OA-ERU CFM	5600	
OA-ERU RPM	1545	
Motor Frequency	-	
OA-ERU System SetPt	-	
RL Voltage	-	
RL Amperage	-	

OA Fan Performance Data		
	Design	**Actual**
OA-ERU Filter Delta SP	-	
OA-ERU Wheel Delta SP	-	
OA-ERU Inlet T (db/wb)	-	
OA-ERU Discharge T (db/wb)	-	
OA-ERU Delta T	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-1 AREA:N102 ELEC ROOM

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-070-VG
Serial Num	-	
Type	CRE DNBLAST	

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

Test Data		
	Design	**Actual**
CFM	150	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	1.38	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	

National TAB

Project:NCANG Repair Bldg 51 (Charlotte, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-1/N102 ELEC ROOM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
EF1-1	N102 ELEC ROOM	EG-4	10X10	150				-
Total				150		0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-2 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SE1-12-432-VG
Serial Num	-	
Type	SIDEWALL	

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

Test Data		
	Design	**Actual**
CFM	650	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	2.85	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	0.12

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-3 AREA:N113B STORAGE

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	CUE-070-VG
Serial Num	-	
Type	CRE UPBLAST	

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

Test Data		
	Design	**Actual**
CFM	200	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	1.38	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-4 AREA:ROOF

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	CUBE-099-4
Serial Num	-	
Type	CRE UPBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	600	
Fan RPM	1283	
RL Voltage	115	
RL Amperage	5.8	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-4/ROOF

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
EF4-1	H135A BATTERY RM	OED/SS MESH	6	100				-
EF4-2	H135A BATTERY RM	EG-6	12X6	100				-
EF4-3	H135 BATTERY ROOM	EG-6	12X6	200				-
EF4-4	H135 BATTERY ROOM	OED/SS MESH	8	200				-
Total				600		0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-5 AREA:E126 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-070-VG
Serial Num	-	
Type	CRE DNBLAST	

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

Test Data		
	Design	**Actual**
CFM	230	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	1.38	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	0.03

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-6 AREA:H132 LOX CART RM

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SE1-12-432-VG
Serial Num	-	
Type	SIDEWALL	

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

Test Data		
	Design	**Actual**
CFM	600	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	2.85	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-7 AREA:H118 ELEC/MECH RM

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SE1-12-432-VG
Serial Num	-	
Type	SIDEWALL	

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

Test Data		
	Design	**Actual**
CFM	800	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	2.85	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-8 AREA:N MEZZ / H145 HOOD

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SQ-20-VG
Serial Num	-	
Type	INLINE	

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

Test Data		
	Design	**Actual**
CFM	5600	
Motor Frequency	-	
System SetPt	-	
RL Voltage	208	
RL Amperage	9.7	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.90	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-9 AREA:H100 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5000	
Fan RPM	979	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.25	
Brake Horse Power	-	0.74

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-10 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5000	
Fan RPM	979	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.25	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-11 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5000	
Fan RPM	979	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.25	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-12 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5000	
Fan RPM	979	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.25	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-13 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5000	
Fan RPM	979	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.25	
Brake Horse Power	-	0.74

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-14 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5000	
Fan RPM	979	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.25	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-15 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5000	
Fan RPM	979	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.25	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-16 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5200	
Fan RPM	1041	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	0.83

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-17 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5200	
Fan RPM	1041	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	0.83

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-18 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5200	
Fan RPM	1041	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-19 AREA:H110 HANGAR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-200-15
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	5200	
Fan RPM	1041	
RL Voltage	208	
RL Amperage	6.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	0.83

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-20 AREA:N152 SUPPORT EQUIP

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-100-4
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	900	
Fan RPM	1401	
RL Voltage	115	
RL Amperage	5.8	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	
Brake Horse Power	-	0.2

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-21 AREA:N152 SUPPORT EQUIP

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-097-6
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	175	
Fan RPM	1325	
RL Voltage	115	
RL Amperage	4.4	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	
Brake Horse Power	-	

National TAB

Project:NCANG Repair Bldg 51 (Charlotte, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-21/N152 SUPPORT EQUIP

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
EF21-1	N153D COPY/PRINT	EG-1	12X12	75				-
EF21-2	N146 LAUNDRY	EG-1	12X12	100				-
Total				175		0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-22 AREA:N121A MENS LOCKERS

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-140-7
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	1545	
Fan RPM	1583	
RL Voltage	115	
RL Amperage	13.8	
Suction ESP	-	
Discharge ESP	-	
Total ESP	1.50	
Brake Horse Power	-	0.79

Diffuser Ret/Exh (GRD)

EF-22/N121A MENS LOCKERS

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
EF22-1	N121A MENS LOCKER	EG-1	12X12	95				-
EF22-2	N123 MENS RR	EG-1	12X12	100				-
EF22-3	N121A MENS LOCKER	EG-1	12X12	95				-
EF22-4	N124 WOMEN RR	EG-1	12X12	100				-
EF22-5	N121C MENS SHOWER	EG-1	12X12	95				-
EF22-6	N121 MENS RR	EG-2	16X16	275				-
EF22-7	N121 MENS RR	EG-2	16X16	275				-
EF22-8	N122 BREAK RM	EG-1	12X12	150				-
EF22-9	N104 WOMEN RR	EG-1	12X12	150				-
EF22-10	N104B WOMEN SHOWER	EG-1	12X12	210				-
Total				1545		0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-23 AREA:E121 RR CORRIDOR

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-098-6
Serial Num	-	
Type	CRE DNBLAST	

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

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Motor Sheave SetPt	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	300	
Fan RPM	1168	
RL Voltage	115	
RL Amperage	4.4	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	
Brake Horse Power	-	

National TAB

Project:NCANG Repair Bldg 51 (Charlotte, NC)

FAN - Exhaust

Diffuser Supply (GRD)

EF-23/E121 RR CORRIDOR

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
EF23-1	E118 JAN	EG-5	6X6	50			-
EF23-2	E122 MENS RR	EG-1	12X12	150			-
EF23-3	E117 BREAK	EG-1	12X12	50			-
EF23-4	E120 WOMEN RR	EG-1	12X12	50			-
Total				300	0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-24 AREA:SHOP SOUTH

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SQ-20-VG
Serial Num	-	
Type	INLINE	

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

Test Data		
	Design	**Actual**
CFM	5600	
Motor Frequency	-	
System SetPt	-	
RL Voltage	208	
RL Amperage	9.7	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.90	
Brake Horse Power	-	1.38

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-25 AREA:H115 SPRINKLER RM

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	SE1-12-432-VG
Serial Num	-	
Type	SIDEWALL	

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

Test Data		
	Design	**Actual**
CFM	750	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	2.85	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-26 AREA:N110 AVIONICS

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GB-097-VG
Serial Num	-	
Type	CRE DNBLAST	

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

Test Data		
	Design	**Actual**
CFM	150	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	2.85	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.75	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Supply

Asset: MAU-1 AREA:AREA A

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	IGX-P127-H32-MF-O
Serial Num	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	
Filter Size 1	-	

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

Test Data		
	Design	**Actual**
CFM	10440	
SF RPM	1168	
Motor Frequency	-	
SF System SetPt	-	
RL Voltage	460	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	

National TAB

Project:NCANG Repair Bldg 51 (Charlotte, NC)

FAN - Supply

Diffuser Supply (GRD)

MAU-1/AREA A

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
M1-1	AREA A	SG-4	30X12	1740			-
M1-2	AREA A	SG-4	30X12	1740			-
M1-3	AREA A	SG-4	30X12	1740			-
M1-4	AREA A	SG-4	30X12	1740			-
M1-5	AREA A	SG-4	30X12	1740			-
M1-6	AREA A	SG-4	30X12	1740			-
Total				10440	0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: FAN - Supply

Asset: MAU-2 AREA:AREA A

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	IGX-P127-H32-MF-O
Serial Num	-	
Type	-	
Configuration	HORIZONTAL	
Num Filters Size 1	-	
Filter Size 1	-	

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

Test Data		
	Design	**Actual**
CFM	10400	
SF RPM	1168	
Motor Frequency	-	
SF System SetPt	-	
RL Voltage	460	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.35	
Brake Horse Power	-	

National TAB

Project:NCANG Repair Bldg 51 (Charlotte, NC)

FAN - Supply

Diffuser Supply (GRD)

MAU-2/AREA A

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
M2-1	AREA A	SG-4	30X12	1740			-
M2-2	AREA A	SG-4	30X12	1740			-
M2-3	AREA A	SG-4	30X12	1740			-
M2-4	AREA A	SG-4	30X12	1740			-
M2-5	AREA A	SG-4	30X12	1740			-
M2-6	AREA A	SG-4	30X12	1740			-
Total				10440	0	0	0%

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Kitchen Hood Type II

Asset: EH-1 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GO-158.00-S
Serial Num	-	
Type	TYPE II HEAT & CONDENSATE	
Hood length	158	
Hood Width	66	

Test Data		
	Design	**Actual**
Exhaust CFM	5600	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Kitchen Hood Type II

Asset: EH-2 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GO-64.00-S
Serial Num	-	
Type	TYPE II HEAT & CONDENSATE	
Hood length	64	
Hood Width	54	

Test Data		
	Design	**Actual**
Exhaust CFM	2500	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Kitchen Hood Type II

Asset: EH-3 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	GO-66.00-S
Serial Num	-	
Type	TYPE II HEAT & CONDENSATE	
Hood length	66	
Hood Width	66	

Test Data		
	Design	**Actual**
Exhaust CFM	3025	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Boiler

Asset: HWB-1 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	LOCHINVAR
Model Num	NA	KBX0500N
Serial Num	-	

Test Data		
	Design	**Actual**
GPM	30.0	
EWT (F)	-	
LWT (F)	-	
Water Temp Delta T (F)	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Boiler

Asset: HWB-2 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	LOCHINVAR
Model Num	NA	KBX0500N
Serial Num	-	

Test Data		
	Design	**Actual**
GPM	30.0	
EWT (F)	-	
LWT (F)	-	
Water Temp Delta T (F)	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Chiller

Asset: ACH-1 AREA:

Unit Data		
	Design	**Actual**
MFG	NA	DAIKIN
Model Num	NA	AMZ035A
Serial Num	-	
Type	SCROLL	

Test Data-Evaporator		
	Design	**Actual**
GPM	66.50	
EWT (F)	57	
LWT (F)	45	
Water Temp Delta T (F)	-	
CHW Delta P	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Pump

Asset: P-1 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	BELL & GOSSETT
Model Num	NA	E-90 1AAB
Serial Num	-	
Service	-	HW PRIMARY
Type	-	
Configuration	-	
Pump RPM	-	
GPM/HD	30.0 / 45	
Impeller Diameter	4.125	

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

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)	45	
Final GPM	30.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	480	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Pump

Asset: P-2 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	BELL & GOSSETT
Model Num	NA	E-90 1AAB
Serial Num	-	
Service	-	HW PRIMARY
Type	-	
Configuration	-	
Pump RPM	-	
GPM/HD	30.0 / 45	
Impeller Diameter	4.125	

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

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)	45	
Final GPM	30.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	480	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Pump

Asset: P-3 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	BELL & GOSSETT
Model Num	NA	E-90 1.25AAB
Serial Num	-	
Service	-	HW SECONDARY
Type	-	
Configuration	-	
Pump RPM	-	
GPM/HD	60.0 / 75	
Impeller Diameter	4.75	

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

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)	75	
Final GPM	60.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	480	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Pump

Asset: P-4 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	BELL & GOSSETT
Model Num	NA	E-90 1.25AAB
Serial Num	-	
Service	-	HW SECONDARY
Type	-	
Configuration	-	
Pump RPM	-	
GPM/HD	60.0 / 75	
Impeller Diameter	4.75	

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

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)	75	
Final GPM	60.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	480	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Pump

Asset: P-5 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	BELL & GOSSETT
Model Num	NA	E-1510 2BD
Serial Num	-	
Service	-	CHILLED WATER
Type	-	
Configuration	-	
Pump RPM	-	
GPM/HD	100.0 / 65	
Impeller Diameter	8.5	

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

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)	65	
Final GPM	110.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	480	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Pump

Asset: P-6 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	BELL & GOSSETT
Model Num	NA	E-1510 2BD
Serial Num	-	
Service	-	CHILLED WATER
Type	-	
Configuration	-	
Pump RPM	-	
GPM/HD	100.0 / 65	
Impeller Diameter	8.5	

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

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)	65	
Final GPM	110.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	480	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Pump

Asset: P-7 AREA:N161 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	XYLEM
Model Num	NA	ECOCIRC XL 36-45
Serial Num	-	
Service	-	DOAS-1N PREHEAT
Type	-	
Configuration	-	
Pump RPM	-	
GPM/HD	11.0 / 10	
Impeller Diameter	-	

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

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)	10	
Final GPM	11.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Brake Horse Power	-	

National TAB

Project: NCANG Repair Bldg 51 (Charlotte, NC)

System/Unit: Pump

Asset: P-8 AREA:E126 MECH ROOM

Unit Data		
	Design	**Actual**
MFG	NA	NA
Model Num	NA	ECOCIRC XL 36-45
Serial Num	-	
Service	-	DOAS-2E PREHEAT
Type	-	
Configuration	-	
Pump RPM	-	
GPM/HD	9.0 / 10	
Impeller Diameter	-	

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

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)	10	
Final GPM	9.0	
Pump Rotation	-	
Motor RPM	-	
Pump RPM	-	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Brake Horse Power	-	

Circuit Setter

CHW CS/

Asset									
Asset Name	**Location**	**Size**	**Type**	**Service**	**Design GPM**	**Setting**	**Delta P**	**Final GPM**	**% to Design**
CS-1	N161 MECH RM	2.50		AHU-1N	51.2				-
CS-2	N161 MECH RM	1.50		DOAS-1N	24.0				-
CS-3	E126 MECH RM	2.00		AHU-2E	25.6				-
CS-4	E126 MECH RM	1.50		DOAS-2E	12.0				-
Total					112.8			0	0%

HW CS/

Asset									
Asset Name	**Location**	**Size**	**Type**	**Service**	**Design GPM**	**Setting**	**Delta P**	**Final GPM**	**% to Design**
CS-1	N161 MECH RM	1.50		DOAS-1N	5.5				-
CS-2	N161 MECH RM	1.50		DOAS-1N	2.9				-
CS-3	N161 MECH RM			UH-2	1.0				-
CS-4	N113B STORAGE			UH-7	1.0				-
CS-5	N112 PMEL STORAGE			AT-N111	0.5				-
CS-6	N109 VESTIBULE			CUH-2	2.3				-
CS-7	N115 PASSAGE			AT-N110	2.0				-
CS-8	N115 PASSAGE			AT-N116	0.8				-
CS-9	N115 PASSAGE			AT-N118	0.8				-
CS-10	N107 CORRIDOR			AT-N113A	0.5				-
CS-11	N107 CORRIDOR			AT-N113	0.5				-
CS-12	N110 AVIONICS			AT-N110A	0.5				-
CS-13	N101 CORRIDOR			AT-N104	0.5				-
CS-14	N100 VESTIBULE			CUH-3	2.3				-
CS-15	E125 VESTIBULE			CUH-4	2.3				-
CS-16	E123 OPEN OFFICE			AT-E123	1.4				-
CS-17	E123 OPEN OFFICE			AT-E107A	0.5				-
CS-18	E123 OPEN OFFICE			AT-E123A	0.5				-
CS-19	E123 OPEN OFFICE HALL			AT-E123C	0.5				-
CS-20	E123 OPEN OFFICE HALL			AT-E107	0.5				-
CS-21	E117 BREAK			AT-E117	0.5				-
CS-22	E108 CLASSROOM			AT-E108	0.5				-
CS-23	E102 OPEN OFFICE			AT-E102	0.7				-
CS-24	E103 MXG/ADM			AT-E106	0.5				-
CS-25	E103 MXG/ADM			AT-E103	0.5				-
CS-26	E103 MXG/ADM			AT-E105	0.8				-
CS-27	E103 MXG/ADM			AT-E104	0.5				-
CS-28	E104 DCM			AT-E101	0.5				-
CS-29	E100 VESTIBULE			CUH-5	2.3				-
CS-30	E126 MECH ROOM			DOAS-2E	2.8				-
CS-31	E126 MECH ROOM			DOAS-2E	1.5				-
CS-32	E126 MECH ROOM			UH-1	0.7				-
CS-33	N152 SUPPORT EQUIP			UH-8	2.0				-
CS-34	N151 READY/BREAK			AT-N151	2.0				-
CS-35	N160 FOYER			CUH-1	2.3				-
CS-36	N153A AXMS FLIGHT CHIEF			AT-N153A	0.5				-
CS-37	N153 CORRIDOR			AT-N153B	0.6				-

CS-38	N153 CORRIDOR			AT-N153E	0.5				-
CS-39	N153 CORRIDOR			AT-N153C	0.5				-
CS-40	N140 CORRIDOR			AT-N141	0.5				-
CS-41	N144 PRO SUPP			AT-N142	0.5				-
CS-42	N130 CORRIDOR			AT-N131	3.4				-
CS-43	SHOP NORTH			AT-H144	0.5				-
CS-44	SHOP NORTH			AT-H142	0.5				-
CS-45	SHOP NORTH			UH-6	1.0				-
CS-46	SHOP NORTH			UH-3	0.7				-
CS-47	N125A BOEING REP			AT-N125A	0.5				-
CS-48	N125 OPEN OFFICE			AT-N125	0.5				-
CS-49	N122 BREAK RM			AT-N122	0.5				-
CS-50	N121B MENS VESTIBULE			AT-N121	0.5				-
CS-51	SHOP SOUTH			CUH-6	2.3				-
CS-52	SHOP SOUTH			AT-H112	0.5				-
CS-53	SHOP SOUTH			UH-4	0.7				-
CS-54	SHOP SOUTH			UH-9	0.7				-
CS-55	SHOP SOUTH			UH-5	0.7				-
Total					61			0	0%