

National TAB

Project: 08-29 NIKE LIVE - CARY, NC
System/Unit: FAN - Supply



Comfort. Under control.

Asset: SF1

AREA:FCU1-4

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SQ-120-VG	SQ-120-VG
Serial Num	-	N/L
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Motor MFG	-	N/A
Frame	-	N/A
Horsepower	1/2	N/A
Motor Rpm	-	N/A
Phase	1	N/A
Voltage (rated)	120	N/A
Amperage (rated)	-	N/A
Service Factor	-	N/A

Drive Data		
	Design	Actual

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	
Flame Status (pass/fail)	-	
Inlet Air Temp SetPt	-	
Discharge Air Temp SetPt	-	
Air Flow Switch SP Actual	-	

Electric Coil		
	Design	Actual

Hot Water Coil		
	Design	Actual

Steam Coil		
	Design	Actual

Condensor DX Coil		
	Design	Actual

Condensor Fan		
	Design	Actual

Test Data		
	Design	Actual
CFM	600	2021
SF RPM	1602	DD
Motor RPM	-	DD
SF System SetPt	-	HIGH
RL Voltage	-	[1]
RL Amperage	-	[1]
Total ESP	-	0.387"
Fan Inlet SP	-	-0.387"

Combustion Fan Motor Data		
	Design	Actual

Combustion Gas Duct		
	Design	Actual

Chilled Water Coil		
	Design	Actual

Evaporator DX Coil		
	Design	Actual

Evaporative Cooler		
	Design	Actual

Compressors		
	Design	Actual

General		
	Design	Actual

Completed By: Dan Hertenstein

Notes: SF1 TURNED OFF DUE TO FAN WHEEL RUBBING AGAINST THE HOUSING

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Project:08-29 NIKE LIVE - CARY, NC



Comfort. Under control.

VAV - Single Duct

EQUIPMENT/

Asset				
Asset Name	Design Max CFM	Max CFM	Min CFM	Damper SetPt
VAV1	500	300	300	37V

Completed By: Dale Wheeler on

National TAB

Project: 08-29 NIKE LIVE - CARY, NC
System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU1

AREA:BOH

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	4821F11375
Model Num	FV4CNB006	FV4CNB006
Configuration	-	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	1
Final Filter Size 1	-	22X24X1

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	3/4	0.75
Motor Rpm	-	N/L
Phase	3	1
Rated Voltage	480	208/230
Rated Amperage	-	6.8

Drive Data		
	Design	Actual
Num of Belts	-	DD

Test Data		
	Design	Actual
SF CFM	1900	1732
SF RPM	-	DD
OA CFM	290	-
RL Voltage	-	[3]
RL Amperage	-	2.5
SF Rotation	-	CCW
Min OA Damper Position	-	[2]

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.175"
Fan Suction SP	-	-0.519"
Fan Discharge SP	-	0.101"
Total ESP	0.65"	0.276"
Fan Total SP	-	0.62"

General		
	Design	Actual
Unit free of Damage	-	YES
Unit Completely Assembled	-	YES
Unit Leveled	-	YES
Controls Complete	-	YES
Unit Filters Clean	-	YES
Evap Coil Clean	-	YES
Condensate Drain Installed	-	YES

Completed By: Dan Hertenstein

Notes:[1] SGRD2 IS DUCTED INTO THE SF1 DUCT, SHOULD BE DUCTED INTO FCU1 SUPPLY DUCT UNABLE TO BALANCE GRILL TILL THIS IS RESOLVED. SEE PIC [2] EMS COMFORT CONTROLS DO NOT HAVE CONTROLS OVER OA DAMPERS UNABLE TO SET DAMPER POSITIONS UNTIL CONTROLS ISSUE IS RESOLVED. OA DAMPER IS NOT WIRED. [3] UNABLE TO ACCESS AND TAKE RLV

National TAB

Project: 08-29 NIKE LIVE - CARY, NC

System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU2

AREA:SALES

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	4821F11362
Model Num	FV4CNB006	FV4CNB006
Configuration	-	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	1
Final Filter Size 1	-	22X24X1

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	3/4	0.75
Motor Rpm	-	N/L
Phase	3	1
Rated Voltage	480	230/208
Rated Amperage	-	6.8

Drive Data		
	Design	Actual
Num of Belts	-	DD

Test Data		
	Design	Actual
SF CFM	1400	1516
SF RPM	-	DD
OA CFM	305	-
RL Voltage	-	[3]
RL Amperage	-	1.8
SF Rotation	-	CCW
OA Damper Type	-	[1]

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.12"
Fan Suction SP	-	-0.46"
Fan Discharge SP	-	0.11"
Total ESP	0.85"	0.23"
Fan Total SP	-	0.57"

General		
	Design	Actual
Unit free of Damage	-	YES
Unit Completely Assembled	-	YES
Unit Leveled	-	YES
Controls Complete	-	YES
Unit Filters Clean	-	YES
Evap Coil Clean	-	YES
Condensate Drain Installed	-	YES

Completed By: Dan Hertenstein

Notes:[1] EMS DOES NOT HAVE CONTROL OF SF1 OR OA DAMPER POSITIONS OA COULD NOT BE SET. [2] AMPS HAD GO BE TAKEN WITH BLOWER DOOR OFF. [3] SF1 FAN WHEEL WAS GRINDING BADLY, FAN WAS SHUT OFF TO PREVENT DAMAGE.

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Project: 08-29 NIKE LIVE - CARY, NC
System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU3

AREA:SALES

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	4821F11361
Model Num	FV4CNB006	FV4CNB006
Configuration	-	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	1
Final Filter Size 1	-	22X24X1

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	3/4	0.75
Motor Rpm	-	N/L
Phase	3	1
Rated Voltage	480	208/230
Rated Amperage	-	6.8

Drive Data		
	Design	Actual
Num of Belts	-	DD

Test Data		
	Design	Actual
SF CFM	1400	1542
SF RPM	-	DD
OA CFM	305	-
RL Voltage	-	[2]
RL Amperage	-	2.7
SF Rotation	-	CCW

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.132"
Fan Suction SP	-	-0.511"
Fan Discharge SP	-	0.14"
Total ESP	0.60"	0.272"
Fan Total SP	-	0.651"

General		
	Design	Actual
Unit free of Damage	-	YES
Unit Completely Assembled	-	YES
Unit Leveled	-	YES
Controls Complete	-	YES
Unit Filters Clean	-	YES
Evap Coil Clean	-	YES
Condensate Drain Installed	-	YES

Completed By: Dan Hertenstein

Notes:[1] UNABLE TO LOCATED A SAFE PLACE TO TAKE VOLT [2] SF1 FAN WHEEL WAS GRINDING BADLY, FAN WAS SHUT OFF TO PREVENT DAMAGE. EMS DOES NOT HAVE CONTROL OF SF1 OR OA DAMPER POSITIONS [3] AMPS HAD GO BE TAKEN WITH BLOWER DOOR OFF. .

National TAB

Project: 08-29 NIKE LIVE - CARY, NC

System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU4

AREA:SALES

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	4821F11378
Model Num	FV4CNB006	FV4CNB006
Configuration	-	HORIZONTAL
Num Final Filter 1	-	1
Final Filter Size 1	-	22X24X1

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	3/4	.75
Motor Rpm	-	N/L
Phase	3	1
Rated Voltage	480	208/230
Rated Amperage	-	6.8

Drive Data		
	Design	Actual
Num of Belts	-	DD

Test Data		
	Design	Actual
SF CFM	1400	1176
SF RPM	-	DD
OA CFM	305	-
RL Voltage	-	[2]
RL Amperage	-	1.8
SF Rotation	-	CCW
Min OA Damper Position	-	[3]

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.12"
Fan Suction SP	-	-0.284"
Fan Discharge SP	-	0.11"
Total ESP	0.65"	0.23"
Fan Total SP	-	0.394"

General		
	Design	Actual
Unit free of Damage	-	YES
Unit Completely Assembled	-	YES
Unit Leveled	-	YES
Controls Complete	-	YES
Unit Filters Clean	-	YES
Evap Coil Clean	-	YES
Condensate Drain Installed	-	YES

Completed By: Dan Hertenstein

Notes:[1] FCU4 FAN IS RUNNING IN HIGH SPEED. TO PLACE FAN INTO HIGH-SPEED WIRE TAPES WERE ADJUSTED VIA CARRIER TECH SUPPORT OVER THE PHONE AND EMS PLACED UNIT INTO COOLING MODE. UNIT TOTAL IS LOW OF DESIGN CFM. [2] NO SAFE PLACE TO TAKE A VOLT READING [3] SF-1 FAN WHEEL WAS GRINDING BADLY, FAN WAS SHUT OFF TO PREVENT DAMAGE. EMS DOES NOT HAVE CONTROL OF SF1 OR OA DAMPER POSITIONS.

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Project: 08-29 NIKE LIVE - CARY, NC

System/Unit: AHU/RTU



Comfort. Under control.

Asset: FCU5

AREA: SOLAR ZONE

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	5221F46291
Model Num	FV4CNB003	FV4CNF003
Configuration	-	HORIZONTAL
Num OA Filters 1	-	N/A
OA Filter Size 1	-	N/A
Num Final Filter 1	-	1
Final Filter Size 1	-	20x22x1

Test Data		
	Design	Actual
SF CFM	1200	870
SF RPM	-	DD
RA CFM	1200	-
OA CFM	-	-
RL Voltage	-	[2]
RL Amperage	-	0.14
SF Rotation	-	CCW
Min OA Damper Position	-	[3]

Motor Data		
	Design	Actual
Motor MFG	-	N/L
Frame	-	N/L
Horsepower	1/2	0.50
Motor Rpm	-	N/L
Phase	3	1
Rated Voltage	480	208/230
Rated Amperage	-	4.3

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.05"
Fan Suction SP	-	-0.191"
Fan Discharge SP	-	0.017"
Total ESP	0.65"	0.067"
Fan Total SP	-	0.208"

Drive Data		
	Design	Actual
Num of Belts	-	DD

General		
	Design	Actual
Unit free of Damage	-	YES
Unit Completely Assembled	-	YES
Unit Leveled	-	YES
Controls Complete	-	YES
Unit Filters Clean	-	YES
Evap Coil Clean	-	YES
Condensate Drain Installed	-	YRS

Completed By: Dan Hertenstein

Notes: FCU5 FAN IS RUNNING IN HIGH SPEED. TO PLACE FAN INTO HIGH-SPEED WIRE TAPES WERE ADJUSTED VIA CARRIER TECH SUPPORT OVER THE PHONE AND EMS PLACED UNIT INTO COOLING MODE. UNIT TOTAL IS LOW OF DESIGN CFM. STATIC PRESSURES ARE VERY LOW INDICATING UNIT MAY NOT BE RESPONDING TO CALLS FOR HIGH SPEED. [2] NO SAFE PLACE TO TAKE A VOLT READING 3] SF1 FAN WHEEL WAS GRINDING BADLY, FAN WAS SHUT OFF TO PREVENT DAMAGE. EMS DOES NOT HAVE CONTROL OF SF1 OR OA DAMPER POSITIONS.

National TAB

Project:08-29 NIKE LIVE - CARY, NC



Diffuser Ret/Exh (GRD)

EF1/RESTROOM

Asset										
Asset Name	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
EGRD1	CEG1	6"	75	1		0	0	0	0	0.0
EGRD2	CEG1	8"	125	1		98	98	98	98	78.4

Completed By: Brianna Biggs on

National TAB

Project:08-29 NIKE LIVE - CARY, NC



Comfort. Under control.

Diffuser Supply (GRD)

FCU1/BOH

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM	% to design	AK	VEL(1)	VEL(2)
SGRD1	IT ROOM	CSD3	10"	250	155	153	155	62.0			
SGRD2	RESTROOM	CSD3	6"	75	0	0	0	0.0			
SGRD3	FOH PIP	CSD2	8"	100	107	137	145	145.0			
SGRD4	COACH'S OFFICE	CSD1	8"	200	181	181	183	91.5			
SGRD5	HALLWAY	CSD2	8"	100	91	93	99	99.0			
SGRD6	S&R	CSD2	8"	200	186	199	201	100.5			
SGRD7	S&R	CSD2	8"	200	192	208	213	106.5			
SGRD8	S&R	CSD2	8"	200	187	178	182	91.0			
SGRD9	S&R	CSD2	8"	200	209	227	242	121.0			
SGRD10	BREAKROOM	CSD1	8"	200	137	141	167	83.5			
SGRD11	BREAKROOM	CSD1	8"	175	122	127	145	82.9			
SGRD1	FOH PIP	CSD2	10"	225	270	270	270	120.0			
SGRD2	FOH PIP	CSD2	10"	225	303	303	303	134.7			
SGRD3	FOH PIP	CSD2	10"	225	347	347	347	154.2			
SGRD4	FOH PIP	CSD2	10"	225	296	296	296	131.6			
VAV1	VAV1	-	9"	500	300	300	300	60.0			
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1	225	
SGRD4	SALES	DSG1	10X6	200					1	237	
SGRD5	SALES	DSG1	10X6	200					1	199	
SGRD6	SALES	DSG1	10X6	200					1	192	
SGRD7	SALES	DSG1	10X6	200					1	287	
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1		
SGRD4	SALES	DSG1	10X6	200					1		
SGRD5	SALES	DSG1	10X6	200					1		
SGRD6	SALES	DSG1	10X6	200					1		
SGRD7	SALES	DSG1	10X6	200					1		
SGRD1	WELCOME	DSG1	14X6	300					1		
SGRD2	WELCOME	DSG1	14X6	300					1		
SGRD3	WELCOME	DSG1	14X6	300					1		
SGRD4	WELCOME	DSG1	14X6	300					1		
SGRD1	FITTING ROOM	CSD4	10X6	100				-			
SGRD2	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD3	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD4	NO- ADA FITTING ROOM	CSD4	10X6	100				-			

FCU2/SALES

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM	% to design	AK	VEL(1)	VEL(2)
SGRD1	IT ROOM	CSD3	10"	250	155	153	155	62.0			
SGRD2	RESTROOM	CSD3	6"	75	0	0	0	0.0			
SGRD3	FOH PIP	CSD2	8"	100	107	137	145	145.0			
SGRD4	COACH'S OFFICE	CSD1	8"	200	181	181	183	91.5			
SGRD5	HALLWAY	CSD2	8"	100	91	93	99	99.0			
SGRD6	S&R	CSD2	8"	200	186	199	201	100.5			
SGRD7	S&R	CSD2	8"	200	192	208	213	106.5			
SGRD8	S&R	CSD2	8"	200	187	178	182	91.0			
SGRD9	S&R	CSD2	8"	200	209	227	242	121.0			
SGRD10	BREAKROOM	CSD1	8"	200	137	141	167	83.5			
SGRD11	BREAKROOM	CSD1	8"	175	122	127	145	82.9			
SGRD1	FOH PIP	CSD2	10"	225	270	270	270	120.0			
SGRD2	FOH PIP	CSD2	10"	225	303	303	303	134.7			
SGRD3	FOH PIP	CSD2	10"	225	347	347	347	154.2			
SGRD4	FOH PIP	CSD2	10"	225	296	296	296	131.6			
VAV1	VAV1	-	9"	500	300	300	300	60.0			
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1	225	
SGRD4	SALES	DSG1	10X6	200					1	237	
SGRD5	SALES	DSG1	10X6	200					1	199	
SGRD6	SALES	DSG1	10X6	200					1	192	
SGRD7	SALES	DSG1	10X6	200					1	287	
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1		
SGRD4	SALES	DSG1	10X6	200					1		
SGRD5	SALES	DSG1	10X6	200					1		
SGRD6	SALES	DSG1	10X6	200					1		
SGRD7	SALES	DSG1	10X6	200					1		
SGRD1	WELCOME	DSG1	14X6	300					1		
SGRD2	WELCOME	DSG1	14X6	300					1		
SGRD3	WELCOME	DSG1	14X6	300					1		
SGRD4	WELCOME	DSG1	14X6	300					1		
SGRD1	FITTING ROOM	CSD4	10X6	100				-			
SGRD2	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD3	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD4	NO- ADA FITTING ROOM	CSD4	10X6	100				-			

FCU3/SALES

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM	% to design	AK	VEL(1)	VEL(2)
SGRD1	IT ROOM	CSD3	10"	250	155	153	155	62.0			
SGRD2	RESTROOM	CSD3	6"	75	0	0	0	0.0			
SGRD3	FOH PIP	CSD2	8"	100	107	137	145	145.0			
SGRD4	COACH'S OFFICE	CSD1	8"	200	181	181	183	91.5			
SGRD5	HALLWAY	CSD2	8"	100	91	93	99	99.0			
SGRD6	S&R	CSD2	8"	200	186	199	201	100.5			
SGRD7	S&R	CSD2	8"	200	192	208	213	106.5			
SGRD8	S&R	CSD2	8"	200	187	178	182	91.0			
SGRD9	S&R	CSD2	8"	200	209	227	242	121.0			
SGRD10	BREAKROOM	CSD1	8"	200	137	141	167	83.5			
SGRD11	BREAKROOM	CSD1	8"	175	122	127	145	82.9			
SGRD1	FOH PIP	CSD2	10"	225	270	270	270	120.0			
SGRD2	FOH PIP	CSD2	10"	225	303	303	303	134.7			
SGRD3	FOH PIP	CSD2	10"	225	347	347	347	154.2			
SGRD4	FOH PIP	CSD2	10"	225	296	296	296	131.6			
VAV1	VAV1	-	9"	500	300	300	300	60.0			
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1	225	
SGRD4	SALES	DSG1	10X6	200					1	237	
SGRD5	SALES	DSG1	10X6	200					1	199	
SGRD6	SALES	DSG1	10X6	200					1	192	
SGRD7	SALES	DSG1	10X6	200					1	287	
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1		
SGRD4	SALES	DSG1	10X6	200					1		
SGRD5	SALES	DSG1	10X6	200					1		
SGRD6	SALES	DSG1	10X6	200					1		
SGRD7	SALES	DSG1	10X6	200					1		
SGRD1	WELCOME	DSG1	14X6	300					1		
SGRD2	WELCOME	DSG1	14X6	300					1		
SGRD3	WELCOME	DSG1	14X6	300					1		
SGRD4	WELCOME	DSG1	14X6	300					1		
SGRD1	FITTING ROOM	CSD4	10X6	100				-			
SGRD2	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD3	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD4	NO- ADA FITTING ROOM	CSD4	10X6	100				-			

FCU4/SALES

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM	% to design	AK	VEL(1)	VEL(2)
SGRD1	IT ROOM	CSD3	10"	250	155	153	155	62.0			
SGRD2	RESTROOM	CSD3	6"	75	0	0	0	0.0			
SGRD3	FOH PIP	CSD2	8"	100	107	137	145	145.0			
SGRD4	COACH'S OFFICE	CSD1	8"	200	181	181	183	91.5			
SGRD5	HALLWAY	CSD2	8"	100	91	93	99	99.0			
SGRD6	S&R	CSD2	8"	200	186	199	201	100.5			
SGRD7	S&R	CSD2	8"	200	192	208	213	106.5			
SGRD8	S&R	CSD2	8"	200	187	178	182	91.0			
SGRD9	S&R	CSD2	8"	200	209	227	242	121.0			
SGRD10	BREAKROOM	CSD1	8"	200	137	141	167	83.5			
SGRD11	BREAKROOM	CSD1	8"	175	122	127	145	82.9			
SGRD1	FOH PIP	CSD2	10"	225	270	270	270	120.0			
SGRD2	FOH PIP	CSD2	10"	225	303	303	303	134.7			
SGRD3	FOH PIP	CSD2	10"	225	347	347	347	154.2			
SGRD4	FOH PIP	CSD2	10"	225	296	296	296	131.6			
VAV1	VAV1	-	9"	500	300	300	300	60.0			
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1	225	
SGRD4	SALES	DSG1	10X6	200					1	237	
SGRD5	SALES	DSG1	10X6	200					1	199	
SGRD6	SALES	DSG1	10X6	200					1	192	
SGRD7	SALES	DSG1	10X6	200					1	287	
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1		
SGRD4	SALES	DSG1	10X6	200					1		
SGRD5	SALES	DSG1	10X6	200					1		
SGRD6	SALES	DSG1	10X6	200					1		
SGRD7	SALES	DSG1	10X6	200					1		
SGRD1	WELCOME	DSG1	14X6	300					1		
SGRD2	WELCOME	DSG1	14X6	300					1		
SGRD3	WELCOME	DSG1	14X6	300					1		
SGRD4	WELCOME	DSG1	14X6	300					1		
SGRD1	FITTING ROOM	CSD4	10X6	100				-			
SGRD2	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD3	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD4	NO- ADA FITTING ROOM	CSD4	10X6	100				-			

FCU5/SOLAR ZONE

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM	% to design	AK	VEL(1)	VEL(2)
SGRD1	IT ROOM	CSD3	10"	250	155	153	155	62.0			
SGRD2	RESTROOM	CSD3	6"	75	0	0	0	0.0			
SGRD3	FOH PIP	CSD2	8"	100	107	137	145	145.0			
SGRD4	COACH'S OFFICE	CSD1	8"	200	181	181	183	91.5			
SGRD5	HALLWAY	CSD2	8"	100	91	93	99	99.0			
SGRD6	S&R	CSD2	8"	200	186	199	201	100.5			
SGRD7	S&R	CSD2	8"	200	192	208	213	106.5			
SGRD8	S&R	CSD2	8"	200	187	178	182	91.0			
SGRD9	S&R	CSD2	8"	200	209	227	242	121.0			
SGRD10	BREAKROOM	CSD1	8"	200	137	141	167	83.5			
SGRD11	BREAKROOM	CSD1	8"	175	122	127	145	82.9			
SGRD1	FOH PIP	CSD2	10"	225	270	270	270	120.0			
SGRD2	FOH PIP	CSD2	10"	225	303	303	303	134.7			
SGRD3	FOH PIP	CSD2	10"	225	347	347	347	154.2			
SGRD4	FOH PIP	CSD2	10"	225	296	296	296	131.6			
VAV1	VAV1	-	9"	500	300	300	300	60.0			
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1	225	
SGRD4	SALES	DSG1	10X6	200					1	237	
SGRD5	SALES	DSG1	10X6	200					1	199	
SGRD6	SALES	DSG1	10X6	200					1	192	
SGRD7	SALES	DSG1	10X6	200					1	287	
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1		
SGRD4	SALES	DSG1	10X6	200					1		
SGRD5	SALES	DSG1	10X6	200					1		
SGRD6	SALES	DSG1	10X6	200					1		
SGRD7	SALES	DSG1	10X6	200					1		
SGRD1	WELCOME	DSG1	14X6	300					1		
SGRD2	WELCOME	DSG1	14X6	300					1		
SGRD3	WELCOME	DSG1	14X6	300					1		
SGRD4	WELCOME	DSG1	14X6	300					1		
SGRD1	FITTING ROOM	CSD4	10X6	100				-			
SGRD2	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD3	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD4	NO- ADA FITTING ROOM	CSD4	10X6	100				-			

VAV1/FCU2 / FITTING ROOMS

Asset											
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	CFM(2)	FINAL CFM	% to design	AK	VEL(1)	VEL(2)
SGRD1	IT ROOM	CSD3	10"	250	155	153	155	62.0			
SGRD2	RESTROOM	CSD3	6"	75	0	0	0	0.0			
SGRD3	FOH PIP	CSD2	8"	100	107	137	145	145.0			
SGRD4	COACH'S OFFICE	CSD1	8"	200	181	181	183	91.5			
SGRD5	HALLWAY	CSD2	8"	100	91	93	99	99.0			
SGRD6	S&R	CSD2	8"	200	186	199	201	100.5			
SGRD7	S&R	CSD2	8"	200	192	208	213	106.5			
SGRD8	S&R	CSD2	8"	200	187	178	182	91.0			
SGRD9	S&R	CSD2	8"	200	209	227	242	121.0			
SGRD10	BREAKROOM	CSD1	8"	200	137	141	167	83.5			
SGRD11	BREAKROOM	CSD1	8"	175	122	127	145	82.9			
SGRD1	FOH PIP	CSD2	10"	225	270	270	270	120.0			
SGRD2	FOH PIP	CSD2	10"	225	303	303	303	134.7			
SGRD3	FOH PIP	CSD2	10"	225	347	347	347	154.2			
SGRD4	FOH PIP	CSD2	10"	225	296	296	296	131.6			
VAV1	VAV1	-	9"	500	300	300	300	60.0			
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1	225	
SGRD4	SALES	DSG1	10X6	200					1	237	
SGRD5	SALES	DSG1	10X6	200					1	199	
SGRD6	SALES	DSG1	10X6	200					1	192	
SGRD7	SALES	DSG1	10X6	200					1	287	
SGRD1	SALES	DSG1	10X6	200					1		
SGRD2	SALES	DSG1	10X6	200					1		
SGRD3	SALES	DSG1	10X6	200					1		
SGRD4	SALES	DSG1	10X6	200					1		
SGRD5	SALES	DSG1	10X6	200					1		
SGRD6	SALES	DSG1	10X6	200					1		
SGRD7	SALES	DSG1	10X6	200					1		
SGRD1	WELCOME	DSG1	14X6	300					1		
SGRD2	WELCOME	DSG1	14X6	300					1		
SGRD3	WELCOME	DSG1	14X6	300					1		
SGRD4	WELCOME	DSG1	14X6	300					1		
SGRD1	FITTING ROOM	CSD4	10X6	100				-			
SGRD2	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD3	FITTING LOUNGE	CSD4	10X6	150				-			
SGRD4	NO- ADA FITTING ROOM	CSD4	10X6	100				-			

Completed By: Brianna Biggs on

Asset	Notes
VAV1	[1] COMFORT CONTROLS SYSTEM [EMS] IS NOT ABLE TO CALIBRATE/CONTROL THIS VAV BOX. EMS IS ONLY ABLE TO VIEW THE DAMPER VOLTAGE. THIS ISSUE WILL NEED TO BE RESOLVED BETWEEN COMFORT CONTROL SYSTEM AND THE MECHANICAL FIELD TECH WHO INSTALLED THE CONTROLS.
SGRD1	SGRD1 CANNOT PHYSICALLY BE ACCESSED IN STORE SPACE TO BE READ
SGRD2	SGRD2 CANNOT BE PHYSICALLY ACCESSED IN THE STORE TO READ

National TAB

Project: 08-29 NIKE LIVE - CARY, NC
System/Unit: FAN - Exhaust



Comfort. Under control.

Asset: EF1

AREA:RESTROOM

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SQ-080-VG	SQ-080-VG
Serial Num	-	N/A
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Test Data		
	Design	Actual
CFM	200	98

Motor Data		
	Design	Actual

Drive Data		
	Design	Actual

Completed By: Dan Hertenstein

Notes:[1] EF1-1 DUCTWORK ABOVE CEILING IS NOT CONNECT UNABLE TO BALANCE GRILL. SEE PIC [2] EF1 FAN IS NOT ACCESSIBLE IN CEILING CANNOT GET A TALL ENOUGH LADDER INTO THE NARROW HALLWAY TO BE ABLE TO GET UP TO THE FAN TO GET UNIT + TEST DATA

National TAB

Project: 08-29 NIKE LIVE - CARY, NC
System/Unit: FAN - Supply



Comfort. Under control.

Asset: SF1

AREA:FCU1-4

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SQ-120-VG	SQ-120-VG
Serial Num	-	N/L
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Motor Data		
	Design	Actual
Motor MFG	-	N/A
Frame	-	N/A
Horsepower	1/2	N/A
Motor Rpm	-	N/A
Phase	1	N/A
Voltage (rated)	120	N/A
Amperage (rated)	-	N/A
Service Factor	-	N/A

Drive Data		
	Design	Actual

Gas Heat		
	Design	Actual
Heater Operates (y/n)	-	
Flame Status (pass/fail)	-	
Inlet Air Temp SetPt	-	
Discharge Air Temp SetPt	-	
Air Flow Switch SP Actual	-	

Electric Coil		
	Design	Actual

Hot Water Coil		
	Design	Actual

Steam Coil		
	Design	Actual

Condensor DX Coil		
	Design	Actual

Condensor Fan		
	Design	Actual

Test Data		
	Design	Actual
CFM	600	2021
SF RPM	1602	DD
Motor RPM	-	DD
SF System SetPt	-	HIGH
RL Voltage	-	[1]
RL Amperage	-	[1]
Total ESP	-	0.387"
Fan Inlet SP	-	-0.387"

Combustion Fan Motor Data		
	Design	Actual

Combustion Gas Duct		
	Design	Actual

Chilled Water Coil		
	Design	Actual

Evaporator DX Coil		
	Design	Actual

Evaporative Cooler		
	Design	Actual

Compressors		
	Design	Actual

General		
	Design	Actual

Completed By: Dan Hertenstein

Notes:SF1 TURNED OFF DUE TO FAN WHEEL RUBBING AGAINST THE HOUSING

National TAB

Project:08-29 NIKE LIVE - CARY, NC



Comfort. Under control.

VAV - Single Duct

EQUIPMENT/

Asset				
Asset Name	Design Max CFM	Max CFM	Min CFM	Damper SetPt
VAV1	500	300	300	37V

Completed By: Dale Wheeler on



Comfort. Under control.

08-29 NIKE LIVE - CARY, NC

Project Issue Information

Issue Name : EF1

Description : 1.EF1-1 DUCTWORK IS NOT FINISHED OR RUN TO GRILL. UNABLE TO BALANCE THIS GRILL OR FAN TILL DUCTWORK IS COMPLETED.

Created By : National TAB

Assigned To : National TAB - Wendy Biggs

Status : Open

Originated Date : 07/07/2022 - Dale Wheeler - National TAB

Project Issue File Details



ef1_1_cary_.jpg

Project Issue Response Details

- **08/31/2022** **National TAB - Andrew Loignon**
 - DUCTWORK IS STILL UNCONNECTED. UNABLE TO BALANCE UNTIL DUCTWORK IS CONNECTED.



Comfort. Under control.

08-29 NIKE LIVE - CARY, NC

Project Issue Information

Issue Name : FCU1

Description : 1. EMS CONTROLS DO NOT HAVE CONTROL OVER OA DAMPERS TO EACH UNIT. OA CANNOT BE SET UNTIL THEY ARE ABLE TO EST. CONTROLS WITH THESE OA DAMPERS. 2. SGRD2 IS CONNECT TO THE SF1 DUCTWORK. IT SHOULD BE CONNECTED TO THE FCU1 SUPPLY DUCT.

Created By : National TAB

Assigned To : National TAB - Wendy Biggs

Status : Open

Originated Date : 07/07/2022 - Dale Wheeler - National TAB

Project Issue File Details



oa_fcu1.jpg



sgrd2_cary_.jpg

Project Issue Response Details

- **08/31/2022** **National TAB - Andrew Loignon**
 - SGRD2 IS CONNECT TO THE SF1 DUCTWORK. IT SHOULD BE CONNECTED TO THE FCU1 SUPPLY DUCT, THIS ISSUE HAS STILL NOT BE ADDRESSED. SF1 CANNOT BE CONTROLLED (REFER TO SF1 ISSUE FOR MORE INFORMATION), RESULTING IN THE INABILITY TO BALANCE OA TO FCU1.



Comfort. Under control.

08-29 NIKE LIVE - CARY, NC

Project Issue Information

Issue Name : FCU2

Description : 1. EMS CONTROLS DO NOT HAVE CONTROL OVER OA DAMPERS TO EACH UNIT. OA CANNOT BE SET UNTIL THEY ARE ABLE TO EST. CONTROLS WITH THESE OA DAMPERS. 2. CONFORT CONTROLS SYSTEM [EMS] IS NOT ABLE TO CONTROL/CALIBRATE THIS VAV BOX. EMS IS ONLY ABLE TO VIEW THE DAMPER VOLTAGE. THIS ISSUE WILL NEED TO BE RESOLVED BETWEEN CONFORT CONTROL SYSTEM AND THE MECH.

Created By : National TAB

Assigned To : National TAB - Wendy Biggs

Status : Open

Originated Date : 07/07/2022 - Dale Wheeler - National TAB

Project Issue Response Details

- **08/31/2022 National TAB - Andrew Loignon**
 - CALLED COMFORT CONTROL SYSTEMS SPOKE WITH BRIAN, HE INFORMED US THAT FCU2 WAS UNABLE TO CONNECT/CONTROL THROUGH THEIR SYSTEMS AND WAS OFFLINE. SF1 CANNOT BE CONTROLLED (REFER TO SF1 ISSUE FOR MORE INFORMATION), RESULTING IN THE INABILITY TO BALANCE OA TO FCU2.



Comfort. Under control.

08-29 NIKE LIVE - CARY, NC

Project Issue Information

Issue Name : FCU3

Description : EMS CONTROLS DO NOT HAVE CONTROL OVER OA DAMPERS TO EACH UNIT. OA CANNOT BE SET UNTIL THEY ARE ABLE TO EST. CONTROLS WITH THESE OA DAMPERS.

Created By : National TAB

Assigned To : National TAB - Wendy Biggs

Status : Open

Originated Date : 07/07/2022 - Dale Wheeler - National TAB

Project Issue Response Details

- **08/31/2022 National TAB - Andrew Loignon**
 - SF1 CANNOT BE CONTROLLED (REFER TO SF1 ISSUE FOR MORE INFORMATION), RESULTING IN THE INABILITY TO BALANCE OA TO FCU3.



Comfort. Under control.

08-29 NIKE LIVE - CARY, NC

Project Issue Information

Issue Name : FCU4

Description : 1.FCU4 EMS CONTROLS DO NOT HAVE CONTROL OVER OA DAMPERS TO EACH UNIT. OA CANNOT BE SET UNTIL THEY ARE ABLE TO EST. CONTROLS WITH THESE OA DAMPERS. 2.FCU4 FAN IS RUNNING IN HIGH SPEED. TO PLACE FAN INTO HIGH-SPEED WIRE TAPES WERE ADJUSTED VIA CARRIER TECH SUPPORT OVER THE PHONE AND EMS PLACED UNIT INTO FULL COOLING MODE. UNIT TOTAL IS LOW

Created By : National TAB

Assigned To : National TAB - Wendy Biggs

Status : Open

Originated Date : 07/07/2022 - Dale Wheeler - National TAB

Project Issue Response Details

- **08/31/2022 National TAB - Andrew Loignon**
 - SF1 CANNOT BE CONTROLLED (REFER TO SF1 ISSUE FOR MORE INFORMATION), RESULTING IN THE INABILITY TO BALANCE OA TO FCU4. COMFORT CONTROL SYSTEMS DROVE THE UNIT TO HIGH SPEED, DUCTWORK WAS TRAVERSED READING 11% LOW OF DESIGN, READ AT 1254 CFM DESIGN IS 1400 CFM.



Comfort. Under control.

08-29 NIKE LIVE - CARY, NC

Project Issue Information

Issue Name : FCU5

Description : 1. FCU5 EMS CONTROLS DO NOT HAVE CONTROL OVER OA DAMPERS TO EACH UNIT. OA CANNOT BE SET UNTIL THEY ARE ABLE TO EST. CONTROLS WITH THESE OA DAMPERS. 2. FCU5 FAN IS RUNNING IN HIGH SPEED. TO PLACE FAN INTO HIGH-SPEED WIRE TAPES WERE ADJUSTED VIA CARRIER TECH SUPPORT OVER THE PHONE AND EMS PLACED UNIT INTO FULL COOLING MODE. UNIT TOTAL IS LOW

Created By : National TAB

Assigned To : National TAB - Wendy Biggs

Status : Open

Originated Date : 07/07/2022 - Dale Wheeler - National TAB

Project Issue File Details



fcu5_cary_.jpg

Project Issue Response Details

- **08/31/2022** **National TAB - Andrew Loignon**
 - UNIT DOES NOT HAVE OA, UNIT IS 100% RA SYSTEM COMFORT CONTROL SYSTEMS DROVE THE UNIT TO HIGH SPEED, DUCTWORK WAS TRAVERSED READING WAS 39% LOW OF DESIGN, READING AT 741 CFM DESIGN IS 1200 CFM. RECOMEND COMFORT CONTROL SYSTEMS VERIFY CONTROL OF SYSTEM AND UNIT IS CAPABLE TO BE DRIVEN TO MAX SPEED.



Comfort. Under control.

08-29 NIKE LIVE - CARY, NC

Project Issue Information

Issue Name : SF1

Description : EMS HAS NO CONTROL OVER FAN SPEED, THEIR SYSTEM SAYS SF1 FAN WAS NOT RUNNING WHEN FAN WAS RUNNING 100%. THERE IS NO SPEED CONTROLLER INSTALLED ON FAN. FAN BLADES ARE ALSO GRINDING REALLY BAD, FAN WAS SHUT OFF TO PREVENT DAMAGE FROM OCCURRING. THESE ISSUES WILL NEED TO BE RESOLVED BETWEEN EMS AND MECHANICAL FIELD TECH WHO INSTALLED CONTROLS.

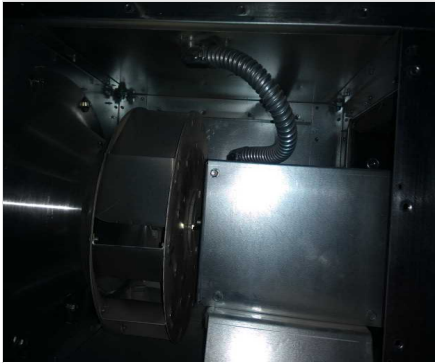
Created By : National TAB

Assigned To : National TAB - Wendy Biggs

Status : Open

Originated Date : 07/07/2022 - Dale Wheeler - National TAB

Project Issue File Details



sf1_cary.jpg

Project Issue Response Details

- **08/31/2022** **National TAB - Andrew Loignon**
 - SF1 IS OPERATIONAL, HOWEVER COMFORT CONTROL SYSTEMS CAN NOT ADJUST FAN SPEED THROUGH THEIR SYSTEM DUE TO FAULTS, RESULTING IN SF1 NOT BEING ABLE TO BE BALANCED CAUSING OA FOR FCU 1-4 TO BE ABLE TO BE BALANCED