Comfort. Under control.

04-17-23 NIKE CLEARANCE - TUCSON, AZ

CheckList Information

Name :	TECH - STEP 1: INITIAL WALKTHROUGH	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

INITIAL SITE WALKTHROUGH

Review Plan Review Checklist, has it been signed off and meets our standards to start balancing? If not contact processor to ensure job is ready.	
All diffusers and grilles are installed and match design?	
Thermostats have power?	
All HVAC units and fans and powered and operational?	
VAV diffusers (if applicable) are powered and responding to adjustment at thermostat?	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	

Notes/Comments :

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04-17-23 NIKE CLEARANCE - TUCSON, AZ

CheckList Information

Name :	TECH - STEP 2: UNIT DATA AND EVAL	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

UNIT DATA AND EVALUATION WHILE GATHERING UNIT DATA CHECK THE FOLLOWING:	
RTU's/AHU's	
Economizers are assembled and functional?	
Motors are all operating below the FLA rating?	
Are belts tight?	
If direct drive unit is the speed controller working.	
Is gas piping installed and valves turned on?	
Unit free of noticeable noise and vibration	
EF's	
Rotation is correct?	
Belts are tight?	
Grease cup installed on hood fan	
Hinge kit installed installed on hood fan?	
Lean fan back. Is grease duct installation adequate and is duct ran all the way to the base of the fan?	
Flex conduit is long enough so that fan can be completely tilted back?	
There is no major leakage around base of fan?	
Is the motor operating below the motor FLA rating?	

For restroom fan(s) is the back draft damper installed and can it fully open?	
Unit free of noticeable noise and vibration?	
DOCUMENTATION	
Have trades/general contractor been notified about any issues and are they created on FaciliBuild?	

Notes/Comments :

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04-17-23 NIKE CLEARANCE - TUCSON, AZ

CheckList Information

Name :	TECH - STEP 3: TEST, ADJUST AND BALANCE	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

TEST, ADJUST, AND BALANCE ALL EQUIPMENT:	
DURING TESTING MAKE NOTE OF THE FOLLOWING:	
Is space free of drafting?	
Is space comfortable in all areas?	
Is the space free of ventilation noise?	
If deviations from design were necessary to resolve 1-3 what were they? Otherwise put "NA".	
FABRIC DUCT STATIC PRESSURES (IF APPLICABLE)	
Take static pressures near takeoff for each fabric duct once balancing is completed. Input this into the "VEL (1)" field on the diffuser asset. If not a fabric duct then, put "N/A" into the "VEL (1)" field instead.	

Notes/Comments :

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04-17-23 NIKE CLEARANCE - TUCSON, AZ

CheckList Information

Name :	TECH - STEP 4: FINAL TESTS	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

FINAL TESTS	
BUILDING PRESSURE	
Building pressure at front & back doors (All Systems On)	
Do actual net building airflow, design net building airflow, and pressure coincide? If not why? (All three should either be positive or negative)	
CARRIER VFD PARAMETERS (IF APPLICABLE)	
Use Carrier provided VFD cable to verify VFD speed parameters for each unit (Defaults - high speed = 60Hz, low speed = 40Hz). Can adjust high speed parameter for balancing but requires that the low speed is proportionally adjusted. Record VFD speeds on the individual assets	
TEMPERATURES/HUMIDITIES	
Measure temperatures/humidities for outside air (taken in shade), return air, and supply air for each HVAC unit during full cooling and input into appropriate fields on the individual asset	
VAV DIFFUSERS (IF APPLICABLE)	
Each VAV-diffuser is calibrated for max airflow?	
Each VAV diffuser is set for minimum airflow? Record value in notes on the individual diffuser asset	

Notes/Comments :

Comfort. Under control.

04-17-23 NIKE CLEARANCE - TUCSON, AZ

CheckList Information

Name :	TECH - STEP 5: FINAL DOCUMENTATION	**Status :**	NotSubmitted
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		

CheckList Item Details

FINAL DOCUMENTATION

Marked Data capture complete for all assets?	
Pictures taken of each piece of equipment, store front, and any issues? And uploaded to FaciliBuild?	
Balance schedule complete and uploaded?	
Prelim report generated and reviewed?	

Notes/Comments :

National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU1 AREA:OFFICES

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	50GCQN05A	50GCQN05A
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
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	-	

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Electrical		
	Design	**Actual**
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	**Actual**
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	
Unit Filters Clean	-	

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Notes:

National TAB

Project:04-17-23 NIKE CLEARANCE - TUCSON, AZ

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU1/OFFICES

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1									
SGRD2									
SGRD3									
SGRD4									
SGRD5									
SGRD6									
SGRD7									
SGRD8									
SGRD9									

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National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU2 AREA:STORAGE

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	50HCQD08D	50HCQD08D
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
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	-	

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Electrical		
	Design	**Actual**
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	**Actual**
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	
Unit Filters Clean	-	

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Notes:

National TAB

Project:04-17-23 NIKE CLEARANCE - TUCSON, AZ

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU2/STORAGE

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1									
SGRD2									
SGRD3									
SGRD4									
SGRD5									
SGRD6									
SGRD7									
SGRD8									
SGRD9									
SGRD10									
SGRD11									

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National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU3 AREA:SALES

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	50HCQD12D	50HCQD12D
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
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	-	

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Electrical		
	Design	**Actual**
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	**Actual**
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	
Unit Filters Clean	-	

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Notes:

National TAB

Project:04-17-23 NIKE CLEARANCE - TUCSON, AZ

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU3/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1									
SGRD2									

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National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU4 AREA:SALES

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	50HCQD12D	50HCQD12D
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
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	-	

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Electrical		
	Design	**Actual**
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	**Actual**
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	
Unit Filters Clean	-	

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Notes:

National TAB

Project:04-17-23 NIKE CLEARANCE - TUCSON, AZ

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU4/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1									
SGRD2									

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National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU5 AREA:SALES

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	50HCQD12D	50HCQD12D
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
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	-	

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Electrical		
	Design	**Actual**
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	**Actual**
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	
Unit Filters Clean	-	

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Notes:

National TAB

Project:04-17-23 NIKE CLEARANCE - TUCSON, AZ

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU5/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1									
SGRD2									
SGRD3									
SGRD4									
SGRD5									
SGRD6									

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National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU6 AREA:SALES

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	50HCQD12D	50HCQD12D
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
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	-	

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Electrical		
	Design	**Actual**
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	**Actual**
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	
Unit Filters Clean	-	

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Notes:

National TAB

Project:04-17-23 NIKE CLEARANCE - TUCSON, AZ

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU6/SALES

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1									
SGRD2									

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National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: AHU/RTU

Comfort. Under control.

Asset: RTU7 AREA:SOLAR ZONE

Unit Data		
	Design	**Actual**
MFG	CARRIER	CARRIER
Serial Num	-	
Model Num	50HCQD08D	50HCQD08D
Type	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
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	-	

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	
Motor Bore Size	-	
Fan Sheave Size	-	
Fan Sheave Bore	-	
Belt CL Distance	-	
Num of Belts	-	
Belt Size	-	

Electrical		
	Design	**Actual**
VFD Min Setpt	-	
VFD Max Setpt	-	

Test Data		
	Design	**Actual**
SF CFM	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
RA Damper Position	-	
Min OA Damper Position	-	
Min OA Damper Type	-	

Performance Data		
	Design	**Actual**
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
SA Temp (db/wb)	-	

General		
	Design	**Actual**
Fan Rotation Correct	-	
Unit Filters Clean	-	

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Notes:

National TAB

Project:04-17-23 NIKE CLEARANCE - TUCSON, AZ

AHU/RTU

Comfort. Under control.

Diffuser Supply (GRD)

RTU7/SOLAR ZONE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
SGRD1									

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National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF1 AREA:RESTROOM

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	G-080-VG	G-080-VG
Serial Num	-	
Type	-	
Configuration	-	

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

Test Data		
	Design	**Actual**
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Notes:

National TAB

Project: 04-17-23 NIKE CLEARANCE - TUCSON, AZ

System/Unit: FAN - Exhaust

Comfort. Under control.

Asset: EF2 AREA:IT CLOSET

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	SQ-100VG	SQ-100VG
Serial Num	-	
Type	-	
Configuration	-	

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

Test Data		
	Design	**Actual**
CFM	-	
Fan RPM	-	
Fan Rotation	-	
Motor RPM	-	
System SetPt	-	
RL Voltage	-	
RL Amperage	-	
Total ESP	-	
Fan Inlet SP	-	
Fan Discharge SP	-	

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Notes: