Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246

NATIONAL TAB

Comfort. Under control.

Report: Test Report
Function: Test, Adjust, & Balance
Date: 9/15/2022

PROJECT

Actual Project Name

1 main street

anywhere, AK

Client

new client test

National TAB

Project: Actual Project Name

Table Of Contents

Comfort. Under control.

Actual Project Name

CheckList Information

Name : Checklist Example

Status : NotSubmitted

Assigned Organization : National TAB

Asset :

Requesting Organization : National TAB

CheckList Item Details

Distribution circuit conduits are liquid tight and set below slab at required depth	
Task 1	
Task 2	
Outdoor transformer is installed	
Feeder conduit is routed and sized from transformer to MP panel location	
Feeder conduit from the MP panel to each subpanel is sized and routed per plan.	
Underground distribution circuit conduits are routed and sized per plan for each sub panel to their required destinations	

Notes/Comments :

National TAB

Project: Actual Project Name

System/Unit: AHU/RTU

Comfort. Under control.

Asset: AHU1 AREA:

Unit Data		
	Design	**Actual**
MFG	na	na
Serial Num	-	
Model Num	na	na
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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Project: Actual Project Name

System/Unit: AHU/RTU

Comfort. Under control.

Asset: AHU2 AREA:

Unit Data		
	Design	**Actual**
MFG	na	na
Serial Num	-	
Model Num	na	na
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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Project: Actual Project Name

System/Unit: Boiler

Comfort. Under control.

Asset: BLR1 AREA:

Unit Data		
	Design	**Actual**
MFG	na	na
Model Num	na	na
Serial Num	-	
Service	-	
Type	-	
Size	-	

Gas Heat		
	Design	**Actual**
Gas Type	-	
Burner Type	-	
Burner Construction	-	
Gas Inlet Pres (wc)	-	
Gas Low Fire Pres (wc)	-	
Input BTUH (rated)	-	
Output BTUH (rated)	-	
Num of Passes	-	
Single or Dual Bank	-	
Staged or Modulating	-	
Num of Safety Valves	-	
Safety Valve Setting	-	
High Limit Setting	-	
Operating CTRL Setting	-	
High Fire SetPt	-	
High Fire CTRL Voltage	-	
High Fire Delta T (F) Rise	-	
Low Fire SetPt	-	
Low Fire CTRL SetPt	-	
Low Fire Delta T (F) Rise	-	
Ignition Type	-	
Pilot Ignition Status (pass/fail)	-	
Gas Valve Pilot Ignition CTRL Voltage	-	
Flame Proving Switch Type	-	
Flame proof CTRL Voltage	-	
Heater Operates (y/n)	-	
Combustion Blower Operates (y/n)	-	
Flame Status (pass/fail)	-	
EWT Temp SetPt	-	
LWT Temp SetPt	-	
Water Temp Max Rise SetPt	-	
GPM Flow Switch SetPt	-	
GPM Flow Switch Actual	-	
GPM Flow Switch CTRL Voltage	-	
GPM Switch Proved (Pass/Fail)	-	
Flame Modulates Properly	-	
Safety Controls - Check	-	

Test Data		
	Design	**Actual**
Water Treatment Type	-	
Water Treatment %	-	
Water Temp	-	
GPM	-	
Cv	-	
Balance Valve Setting	-	
Balance Valve Delta P	-	
EWT (F)	-	
LWT (F)	-	
Water Temp Delta T (F)	-	
ENT Water Pres	-	
LVG Water Pres	-	
Hot Water Delta P	-	
BTUH	-	

Combustion Fan Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	
Phase	-	
Voltage	-	
Amperage	-	

Combustion Gas Duct		
	Design	**Actual**
Duct Type	-	
Gauge & Material	-	
Size	-	
Minimum Rise:Run	-	
Room properly ventilated	-	
Space pres condition	-	
Flue backdrafts eliminated	-	
Flue Terminates Properly	-	

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Project: Actual Project Name

System/Unit: Boiler

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Asset: BLR2 AREA:

Unit Data		
	Design	Actual
MFG	na	na
Model Num	na	na
Serial Num	-	
Service	-	
Type	-	
Size	-	

Gas Heat		
	Design	Actual
Gas Type	-	
Burner Type	-	
Burner Construction	-	
Gas Inlet Pres (wc)	-	
Gas Low Fire Pres (wc)	-	
Input BTUH (rated)	-	
Output BTUH (rated)	-	
Num of Passes	-	
Single or Dual Bank	-	
Staged or Modulating	-	
Num of Safety Valves	-	
Safety Valve Setting	-	
High Limit Setting	-	
Operating CTRL Setting	-	
High Fire SetPt	-	
High Fire CTRL Voltage	-	
High Fire Delta T (F) Rise	-	
Low Fire SetPt	-	
Low Fire CTRL SetPt	-	
Low Fire Delta T (F) Rise	-	
Ignition Type	-	
Pilot Ignition Status (pass/fail)	-	
Gas Valve Pilot Ignition CTRL Voltage	-	
Flame Proving Switch Type	-	
Flame proof CTRL Voltage	-	
Heater Operates (y/n)	-	
Combustion Blower Operates (y/n)	-	
Flame Status (pass/fail)	-	
EWT Temp SetPt	-	
LWT Temp SetPt	-	
Water Temp Max Rise SetPt	-	
GPM Flow Switch SetPt	-	
GPM Flow Switch Actual	-	
GPM Flow Switch CTRL Voltage	-	
GPM Switch Proved (Pass/Fail)	-	
Flame Modulates Properly	-	
Safety Controls - Check	-	

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Test Data		
	Design	Actual
Water Treatment Type	-	
Water Treatment %	-	
Water Temp	-	
GPM	-	
Cv	-	
Balance Valve Setting	-	
Balance Valve Delta P	-	
EWT (F)	-	
LWT (F)	-	
Water Temp Delta T (F)	-	
ENT Water Pres	-	
LVG Water Pres	-	
Hot Water Delta P	-	
BTUH	-	

Combustion Fan Motor Data		
	Design	Actual
Motor MFG	-	
Frame	-	
Horsepower	-	
Phase	-	
Voltage	-	
Amperage	-	

Combustion Gas Duct		
	Design	Actual
Duct Type	-	
Gauge & Material	-	
Size	-	
Minimum Rise:Run	-	
Room properly ventilated	-	
Space pres condition	-	
Flue backdrafts eliminated	-	
Flue Terminates Properly	-	

Notes:

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Project: Actual Project Name

System/Unit: AHU-DUAL FAN

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Asset: AHU(DF)1 AREA:

UNIT DATA - SUPPLY		
	Design	**Actual**
Manufacturer	na	na
Model Number	na	na
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Final Filters / Size (1)	-	
No. Final Filters / Size (2)	-	
No. Final Filters / Size (3)	-	

UNIT DATA - EXHAUST/RETURN		
	Design	**Actual**
Manufacturer	-	
Model Number	-	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	**Actual**
Motor MFG / Frame	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	**Actual**
Motor MFG / FRAME	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - SUPPLY		
	Design	**Actual**
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	
VFD High Speed Stpt	-	
VFD Low Speed Stpt	-	
0-10v High Speed Stpt	-	
0-10v Low Speed Stpt	-	
Static Pressure Stpt	-	

DRIVE DATA - EXHAUST/RETURN		
	Design	**Actual**
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	
VFD High Speed Stpt	-	
VFD Low Speed Stpt	-	
0-10v High Speed Stpt	-	
0-10v Low Speed Stpt	-	
Static Pressure Stpt	-	

TEST DATA - SUPPLY		
	Design	**Actual**
Total CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

TEST DATA - EXHAUST/RETURN		
	Design	**Actual**
Total CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

PERFORMANCE DATA - SUPPLY		
	Design	**Actual**
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Pre Heat Coil P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	-	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	**Actual**
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
HW Coil P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	-	

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Project: Actual Project Name

System/Unit: AHU-DUAL FAN

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Asset: AHU(DF)2 AREA:

UNIT DATA - SUPPLY		
	Design	Actual
Manufacturer	na	na
Model Number	na	na
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Final Filters / Size (1)	-	
No. Final Filters / Size (2)	-	
No. Final Filters / Size (3)	-	

UNIT DATA - EXHAUST/RETURN		
	Design	Actual
Manufacturer	-	
Model Number	-	
Serial Number	-	
No. Pre-Filters / Size (1)	-	
No. Pre-Filters / Size (2)	-	
No. Pre-Filters / Size (3)	-	
No. Pre-Filters / Size (4)	-	
No. Pre-Filters / Size (5)	-	
No. Pre-Filters / Size (6)	-	

MOTOR DATA - SUPPLY		
	Design	Actual
Motor MFG / Frame	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

MOTOR DATA - EXHAUST/RETURN		
	Design	Actual
Motor MFG / FRAME	-	
Horsepower / RPM	-	
Rated Volts / Phase	-	
Rated Amperage / SF	-	

DRIVE DATA - SUPPLY		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	
VFD High Speed Stpt	-	
VFD Low Speed Stpt	-	
0-10v High Speed Stpt	-	
0-10v Low Speed Stpt	-	
Static Pressure Stpt	-	

DRIVE DATA - EXHAUST/RETURN		
	Design	Actual
Motor Sheave Size / Bore	-	
Fan Sheave Size / Bore	-	
Belt CL Distance	-	
No. Belts / Size	-	
VFD High Speed Stpt	-	
VFD Low Speed Stpt	-	
0-10v High Speed Stpt	-	
0-10v Low Speed Stpt	-	
Static Pressure Stpt	-	

TEST DATA - SUPPLY		
	Design	Actual
Total CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

TEST DATA - EXHAUST/RETURN		
	Design	Actual
Total CFM	-	
Fan RPM	-	
VFD Speed	-	
RL Voltage	-	
RL Amperage	-	
Motor B.H.P.	-	

PERFORMANCE DATA - SUPPLY		
	Design	Actual
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
Pre Heat Coil P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	-	

PERFORMANCE DATA - EXHAUST/RETURN		
	Design	Actual
Suction S.P.	-	
Discharge S.P.	-	
Total S.P.	-	
HW Coil P.D.	-	
Heat Wheel P.D.	-	
Pre-Filters P.D.	-	
Total ESP	-	

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Notes: