

Report By:

**Vipul Company
dfghfdgfdg
ggfhghgfhfgdh, AZ 45545**

Report: TEST

Function: Test, Adjust, & Balance

Date: 10/01/2024

Completed By: Vipul Company

**PROJECT
13 Sept Project**

Noida

Noida, AK 56341

Client

Vipul Company

Project: 13 Sept Project

Table Of Contents

Section	Page #
AHU/RTU	3

Vipul Company

Project: 13 Sept Project

System/Unit: AHU/RTU

Asset: AHU1

AREA:Location

Unit Data		
	Design	Actual
MFG	MFG	MFG
Serial Num	-	12
Model Num	MO	MO
Design Type	-	

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

Test Data		
	Design	Actual
SF CFM (Initial)	-	1234
SF CFM	123	1234
SF RPM (Initial)	-	
SF RPM	-	1234445
RA CFM	-	
OA CFM	-	
Exhaust CFM	-	
Relief CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
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)	-	
Relief Flow Station (Kv)	-	
RA Damper Position	-	
RA Damper Type	-	
MA Damper Position	-	
MA Damper Type	-	
OA Damper Position	-	
OA Damper Type	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
Econo Damper Position	-	
Econo Damper Type	-	
Relief Damper Position	-	
Relief Damper Type	-	
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
Return Duct SP	-	
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Supply Duct SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	
Steam Coil P.D.	-	
Heat Wheel (Exh) P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	
HW Coil Delta T	-	
CW Coil Delta T	-	
Coil Delta T	-	
Heat Wheel(Exh) Delta T	-	
Heat Wheel(Sup) Delta T	-	

Completed By: Vipul Gupta on 10/01/2024

Notes:
Test Comment

Written By: Vipul Gupta on 10/01/2024

Vipul Company

Project: 13 Sept Project

System/Unit: AHU/RTU

Asset: AHU2

AREA:

Unit Data		
	Design	Actual
MFG	NA	NA
Serial Num	-	
Model Num	NA	NA
Inventory Tag ID	-	11111
Type	-	
Series	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num OA Filters 2	-	
OA Filter Size 2	-	
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	-	
Frequency	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

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

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

Condensator Fan	
	Actual
Fan 1 Motor RLA	
Fan 1 Motor RLV	
Fan 2 Motor RLA	
Fan 2 Motor RLV	

Gas Heat		
	Design	Actual
Output MBH (rated)	-	
Gas Inlet Pres (wc)	-	
Gas Low Fire Pres (wc)	-	
Gas High Fire Pres (wc)	-	
Pilot Ignition Status (pass/fail)	-	
Single or Dual Bank	-	
Staged or Modulating	-	
Heater Operates (y/n)	-	
Combustion Blower Operates (y/n)	-	
Flame Status (pass/fail)	-	
High Limit Temp Cut-off SetPt	-	
Inlet Temp SetPt	-	
Discharge Temp SetPt	-	
Temp Rise SetPt	-	
Air Flow Switch SetPt	-	
Air Flow Switch Actual	-	
Air Flow Switch CTRL Voltage	-	
Air Switch Proved (Pass/Fail)	-	
Space Temp SetPt-ON	-	
Space Temp SetPt-OFF	-	
Flame Modulates (y/n)	-	

Electric Heat		
	Design	Actual
KW (TOTAL)	-	
Num of Stages	-	
Voltage	-	
Stage 1 RLA	-	
Stage 2 RLA	-	
Stage 3 RLA	-	
Stage 4 RLA	-	
Stage 5 RLA	-	
Stage 6 RLA	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
Coil Delta T	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	
High Limit Temp Cut-off SetPt	-	
Inlet Temp SetPt	-	
Discharge Temp SetPt	-	
Temp Rise SetPt	-	
Airflow Switch SP	-	
Airflow Switch CTRL Voltage	-	
Space Temp SetPt-ON	-	
Space Temp SetPt-OFF	-	

Performance Data		
	Design	Actual
Return Duct SP	-	
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Supply Duct SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	
Steam Coil P.D.	-	
Heat Wheel (Exh) P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	
HW Coil Delta T	-	
CW Coil Delta T	-	
Coil Delta T	-	
Heat Wheel(Exh) Delta T	-	
Heat Wheel(Sup) Delta T	-	

General	
	Actual
Unit free of Damage	
Unit Completely Assembled	
Unit Leveled	
Curb & Unit Installed Air Tight	
Controls Complete	
Fan Rotation Correct	
Fan Belt Condition	
Unit Filters Clean	
Evap Coil Clean	
Evap Coil Free of Frost	
Condensator Coil Clean	
Condensator Fins Straight	
Refr Sight Glass Dry	
Condensate Drain Installed	
Crankcase Heaters Operate	

Compressors	
	Actual
Refrigerant Charge	
Refrigerant Type	
Comp 1 RLA	
Comp 2 RLA	
Comp 1 Suction Pres	
Comp 2 Suction Pres	
Comp 1 Discharge Pres	
Comp 2 Discharge Pres	
Circuit 1 Superheat	
Circuit 2 Superheat	
Comp 1 Liquid Line Temp	
Comp 2 Liquid Line Temp	
Circuit 1 SubCooling	
Circuit 2 SubCooling	

Electrical	
	Actual
Evap Fan Overload size/setpt	
Cond Fan Overload size/setpt	
VFD Phase Voltage (line)	
VFD Min Setpt	
VFD Max Setpt	
Phase Brownout Dial Setpt (v)	
Phase Brownout Volt Variance	
Control Voltage (v)	
System Fused (y/n)	
Fuse Size (amps)	
Freeze Stat Setpt	
Compressor Lockout Setpt	

Combustion Fan Motor Data		
	Design	Actual
Voltage	-	
Amperage	-	

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

Completed By: Gulshan Kumar on 10/04/2023

Vipul Company

Project: 13 Sept Project

System/Unit: AHU/RTU

Asset: AHU3

AREA:

Unit Data		
	Design	Actual
MFG	na	na
Serial Num	-	12
Model Num	na	na
Type	-	321
Series	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num OA Filters 2	-	
OA Filter Size 2	-	
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	-	
Frequency	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

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

Test Data		
	Design	Actual
SF CFM (Initial)	-	
SF CFM	-	
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
Exhaust CFM	-	
Relief CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
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)	-	
Relief Flow Station (Kv)	-	
RA Damper Position	-	
RA Damper Type	-	
MA Damper Position	-	
MA Damper Type	-	
OA Damper Position	-	
OA Damper Type	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
Econo Damper Position	-	
Econo Damper Type	-	
Relief Damper Position	-	
Relief Damper Type	-	
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Condensator Fan	
	Actual
Fan 1 Motor RLA	
Fan 1 Motor RLV	
Fan 2 Motor RLA	
Fan 2 Motor RLV	

Gas Heat		
	Design	Actual
Output MBH (rated)	-	
Gas Inlet Pres (wc)	-	
Gas Low Fire Pres (wc)	-	
Gas High Fire Pres (wc)	-	
Pilot Ignition Status (pass/fail)	-	
Single or Dual Bank	-	
Staged or Modulating	-	
Heater Operates (y/n)	-	
Combustion Blower Operates (y/n)	-	
Flame Status (pass/fail)	-	
High Limit Temp Cut-off SetPt	-	
Inlet Temp SetPt	-	
Discharge Temp SetPt	-	
Temp Rise SetPt	-	
Air Flow Switch SetPt	-	
Air Flow Switch Actual	-	
Air Flow Switch CTRL Voltage	-	
Air Switch Proved (Pass/Fail)	-	
Space Temp SetPt-ON	-	
Space Temp SetPt-OFF	-	
Flame Modulates (y/n)	-	

Electric Heat		
	Design	Actual
KW (TOTAL)	-	
Num of Stages	-	
Voltage	-	
Stage 1 RLA	-	
Stage 2 RLA	-	
Stage 3 RLA	-	
Stage 4 RLA	-	
Stage 5 RLA	-	
Stage 6 RLA	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
Coil Delta T	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	
High Limit Temp Cut-off SetPt	-	
Inlet Temp SetPt	-	
Discharge Temp SetPt	-	
Temp Rise SetPt	-	
Airflow Switch SP	-	
Airflow Switch CTRL Voltage	-	
Space Temp SetPt-ON	-	
Space Temp SetPt-OFF	-	

Performance Data		
	Design	Actual
Return Duct SP	-	
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Supply Duct SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	
Steam Coil P.D.	-	
Heat Wheel (Exh) P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	
HW Coil Delta T	-	
CW Coil Delta T	-	
Coil Delta T	-	
Heat Wheel(Exh) Delta T	-	
Heat Wheel(Sup) Delta T	-	

General	
	Actual
Unit free of Damage	
Unit Completely Assembled	
Unit Leveled	
Curb & Unit Installed Air Tight	
Controls Complete	
Fan Rotation Correct	
Fan Belt Condition	
Unit Filters Clean	
Evap Coil Clean	
Evap Coil Free of Frost	
Condensator Coil Clean	
Condensator Fins Straight	
Refr Sight Glass Dry	
Condensate Drain Installed	
Crankcase Heaters Operate	

Compressors	
	Actual
Refrigerant Charge	
Refrigerant Type	
Comp 1 RLA	
Comp 2 RLA	
Comp 1 Suction Pres	
Comp 2 Suction Pres	
Comp 1 Discharge Pres	
Comp 2 Discharge Pres	
Circuit 1 Superheat	
Circuit 2 Superheat	
Comp 1 Liquid Line Temp	
Comp 2 Liquid Line Temp	
Circuit 1 SubCooling	
Circuit 2 SubCooling	

Electrical	
	Actual
Evap Fan Overload size/setpt	
Cond Fan Overload size/setpt	
VFD Phase Voltage (line)	
VFD Min Setpt	
VFD Max Setpt	
Phase Brownout Dial Setpt (v)	
Phase Brownout Volt Variance	
Control Voltage (v)	
System Fused (y/n)	
Fuse Size (amps)	
Freeze Stat Setpt	
Compressor Lockout Setpt	

Combustion Fan Motor Data		
	Design	Actual
Voltage	-	

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

Completed By: Gulshan Kumar on 10/04/2023

Vipul Company

Project: 13 Sept Project

System/Unit: AHU/RTU

Asset: AHU4

AREA:QA

Unit Data		
	Design	Actual
MFG	MF	MF
Serial Num	-	
Model Num	MO	MO
Inventory Tag ID	-	
Type	-	
Series	-	
Configuration	-	
Num OA Filters 1	-	
OA Filter Size 1	-	
Num OA Filters 2	-	
OA Filter Size 2	-	
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	-	
Frequency	-	
Service Factor	-	
Efficiency	-	
Power Factor	-	

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

Test Data		
	Design	Actual
SF CFM (Initial)	-	
SF CFM	-	
SF RPM (Initial)	-	
SF RPM	-	
RA CFM	-	
OA CFM	-	
Exhaust CFM	-	
Relief CFM	-	
RL Voltage	-	
RL Amperage	-	
SF Rotation	-	
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)	-	
Relief Flow Station (Kv)	-	
RA Damper Position	-	
RA Damper Type	-	
MA Damper Position	-	
MA Damper Type	-	
OA Damper Position	-	
OA Damper Type	-	
Min OA Damper Position	-	
Min OA Damper Type	-	
Econo Damper Position	-	
Econo Damper Type	-	
Relief Damper Position	-	
Relief Damper Type	-	
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Condensator Fan	
	Actual
Fan 1 Motor RLA	
Fan 1 Motor RLV	
Fan 2 Motor RLA	
Fan 2 Motor RLV	

Gas Heat		
	Design	Actual
Output MBH (rated)	-	
Gas Inlet Pres (wc)	-	
Gas Low Fire Pres (wc)	-	
Gas High Fire Pres (wc)	-	
Pilot Ignition Status (pass/fail)	-	
Single or Dual Bank	-	
Staged or Modulating	-	
Heater Operates (y/n)	-	
Combustion Blower Operates (y/n)	-	
Flame Status (pass/fail)	-	
High Limit Temp Cut-off SetPt	-	
Inlet Temp SetPt	-	
Discharge Temp SetPt	-	
Temp Rise SetPt	-	
Air Flow Switch SetPt	-	
Air Flow Switch Actual	-	
Air Flow Switch CTRL Voltage	-	
Air Switch Proved (Pass/Fail)	-	
Space Temp SetPt-ON	-	
Space Temp SetPt-OFF	-	
Flame Modulates (y/n)	-	

Electric Heat		
	Design	Actual
KW (TOTAL)	-	
Num of Stages	-	
Voltage	-	
Stage 1 RLA	-	
Stage 2 RLA	-	
Stage 3 RLA	-	
Stage 4 RLA	-	
Stage 5 RLA	-	
Stage 6 RLA	-	
EAT (db/wb)	-	
LAT (db/wb)	-	
Coil Delta T	-	
Inlet SP	-	
Discharge SP	-	
Coil Delta SP	-	
High Limit Temp Cut-off SetPt	-	
Inlet Temp SetPt	-	
Discharge Temp SetPt	-	
Temp Rise SetPt	-	
Airflow Switch SP	-	
Airflow Switch CTRL Voltage	-	
Space Temp SetPt-ON	-	
Space Temp SetPt-OFF	-	

Performance Data		
	Design	Actual
Return Duct SP	-	
MA Plenum SP	-	
Fan Suction SP	-	
Fan Discharge SP	-	
Supply Duct SP	-	
Total ESP	-	
Fan Total SP	-	
Pre-Filter P.D.	-	
Final Filters P.D.	-	
Cooling Coil P.D.	-	
CHW Coil P.D.	-	
PreHeat Coil P.D.	-	
HW Coil P.D.	-	
Steam Coil P.D.	-	
Heat Wheel (Exh) P.D.	-	
Heat Wheel (Sup) P.D.	-	
OA Temp (db/wb)	-	
RA Temp (db/wb)	-	
MA Temp (db/wb)	-	
SA Temp (db/wb)	-	
HW Coil Delta T	-	
CW Coil Delta T	-	
Coil Delta T	-	
Heat Wheel(Exh) Delta T	-	
Heat Wheel(Sup) Delta T	-	

General	
	Actual
Unit free of Damage	
Unit Completely Assembled	
Unit Leveled	
Curb & Unit Installed Air Tight	
Controls Complete	
Fan Rotation Correct	
Fan Belt Condition	
Unit Filters Clean	
Evap Coil Clean	
Evap Coil Free of Frost	
Condensator Coil Clean	
Condensator Fins Straight	
Refr Sight Glass Dry	
Condensate Drain Installed	
Crankcase Heaters Operate	

Compressors	
	Actual
Refrigerant Charge	
Refrigerant Type	
Comp 1 RLA	
Comp 2 RLA	
Comp 1 Suction Pres	
Comp 2 Suction Pres	
Comp 1 Discharge Pres	
Comp 2 Discharge Pres	
Circuit 1 Superheat	
Circuit 2 Superheat	
Comp 1 Liquid Line Temp	
Comp 2 Liquid Line Temp	
Circuit 1 SubCooling	
Circuit 2 SubCooling	

Electrical	
	Actual
Evap Fan Overload size/setpt	
Cond Fan Overload size/setpt	
VFD Phase Voltage (line)	
VFD Min Setpt	
VFD Max Setpt	
Phase Brownout Dial Setpt (v)	
Phase Brownout Volt Variance	
Control Voltage (v)	
System Fused (y/n)	
Fuse Size (amps)	
Freeze Stat Setpt	
Compressor Lockout Setpt	

Combustion Fan Motor Data		
	Design	Actual
Voltage	-	
Amperage	-	

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

Completed By: Vipul Gupta on 10/01/2024

Notes:
Test Comment

Written By: Vipul Gupta on 10/01/2024