Report By:

Chetu Development
Test add 11
Test add 22
Noida, AL 44444

Report: NOV Report

Function: Test, Adjust, & Balance

Date: 11/18/2024

Completed By: Chetu Development

PROJECT

17 April Project

Address1

City, AK 11111

Client

Accurex

400 Ross Ave

Schofield, WI 54476

Chetu Development

Project: 17 April Project

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Chetu Development

Project: 17 April Project

System/Unit: AHU/RTU

Asset: AHU1 AREA:

Unit Data		
	Design	**Actual**
MFG	AH	AH
Serial Num	-	
Model Num	AH	AH
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	-	

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	-	

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	

Condensor 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)	-	

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	
Condensor Coil Clean	
Condensor 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	

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	-	

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	

VAV - Dual Duct

AHU1/

Asset							
AHU1-DDVAV1	MFG	Model Num	Serial Num	Design Service	Service	Type	Inlet Size
	VA	VA					
	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)
			-	-	-	-	-
	SetPt (Min)	Design Max CFM	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)
	-		-	-	-	-	-
	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)	Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP
	-	-	-	-	-	-	-
	Discharge SP	Mixing Damper Functional					
AHU1-DDVAV2	MFG	Model Num	Serial Num	Design Service	Service	Type	Inlet Size
	VA	VA					
	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)
			-	-	-	-	-
	SetPt (Min)	Design Max CFM	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)
	-		-	-	-	-	-
	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)	Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP
	-	-	-	-	-	-	-
	Discharge SP	Mixing Damper Functional					

Diffuser Supply (GRD)

AHU1-DDVAV1/

Asset				
Asset Name	Location	a7	FINAL CFM	% to design
AHU1-DDVAV1-SGRD1				
AHU1-DDVAV1-SGRD2				
AHU1-DDVAV1-SGRD3				
Total			0	

Diffuser Ret/Exh (GRD)

AHU1-DDVAV1/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
AHU1-DDVAV1-EGRD1	DF	DF										
AHU1-DDVAV1-EGRD2	DF	DF										
AHU1-DDVAV1-EGRD3	DF	DF										
Total					0			0		0	0	0%

Chetu Development

Project: 17 April Project

System/Unit: AHU/RTU

Asset: AHU2 AREA:

Unit Data		
	Design	Actual
MFG	AH	AH
Serial Num	-	
Model Num	AH	AH
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	-	

Condensor 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	
Condensor Coil Clean	
Condensor 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	

Chetu Development

Project: 17 April Project

System/Unit: Boiler

Asset: BLR1 AREA:

Unit Data		
	Design	Actual
MFG	BO	BO
Model Num	BO	BO
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	
	Actual
Duct Type	
Gauge & Material	
Size	
Minimum Rise:Run	
Room properly ventilated	
Space pres condition	
Flue backdrafts eliminated	
Flue Terminates Properly	

Chetu Development

Project: 17 April Project

System/Unit: Boiler

Asset: BLR2 AREA:

Unit Data		
	Design	Actual
MFG	BO	BO
Model Num	BO	BO
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	
	Actual
Duct Type	
Gauge & Material	
Size	
Minimum Rise:Run	
Room properly ventilated	
Space pres condition	
Flue backdrafts eliminated	
Flue Terminates Properly	

Chetu Development

Project: 17 April Project

System/Unit: Boiler

Asset: SGRD2-BLR1 AREA:

Unit Data		
	Design	Actual
MFG	BO	BO
Model Num	BO	BO
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	
	Actual
Duct Type	
Gauge & Material	
Size	
Minimum Rise:Run	
Room properly ventilated	
Space pres condition	
Flue backdrafts eliminated	
Flue Terminates Properly	

Chetu Development

Project: 17 April Project

System/Unit: Boiler

Asset: SGRD2-BLR2 AREA:

Unit Data		
	Design	Actual
MFG	BO	BO
Model Num	BO	BO
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	
	Actual
Duct Type	
Gauge & Material	
Size	
Minimum Rise:Run	
Room properly ventilated	
Space pres condition	
Flue backdrafts eliminated	
Flue Terminates Properly	

Diffuser Ret/Exh (GRD)

AHU1-DDVAV1/

Asset										
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**VEL(1)**	**CFM(1)**	**VEL(2)**	**CFM(2)**	**FINAL CFM**	**% to design**
AHU1-DDVAV1-EGRD1										
AHU1-DDVAV1-EGRD2										
AHU1-DDVAV1-EGRD3										
Total			0			0		0	0	0%

DDVAV1/

Asset										
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**VEL(1)**	**CFM(1)**	**VEL(2)**	**CFM(2)**	**FINAL CFM**	**% to design**
DDVAV1-EGRD1										
DDVAV1-EGRD2										
Total			0			0		0	0	0%

Test QA/

Asset										
Asset Name	**Type**	**Size**	**DESIGN CFM**	**AK**	**VEL(1)**	**CFM(1)**	**VEL(2)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1										
EGRD2										
Total			0			0		0	0	0%

Diffuser Supply (GRD)

AHU1-DDVAV1/

Asset				
Asset Name	**Location**	**a7**	**FINAL CFM**	**% to design**
AHU1-DDVAV1-SGRD1				
AHU1-DDVAV1-SGRD2				
AHU1-DDVAV1-SGRD3				
Total			0	

DDVAV1/

Asset				
Asset Name	**Location**	**a7**	**FINAL CFM**	**% to design**
DDVAV1-SGRD1				
DDVAV1-SGRD2				
Total			0	

Test QA/

Asset				
Asset Name	**Location**	**a7**	**FINAL CFM**	**% to design**
SGRD1				
SGRD2				
Total			0	

Chetu Development

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VAV - Dual Duct

AHU1/

Asset							
DDVAV1	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)	Design Max CFM
	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)
	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)
Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP	Discharge SP	Mixing Damper Functional	

Chetu Development

Project:17 April Project

VAV - Dual Duct

Test QA/

Asset							
DDVAV1	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)	Design Max CFM
	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)
	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)
Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP	Discharge SP	Mixing Damper Functional	

Diffuser Supply (GRD)

DDVAV1/

Asset				
Asset Name	Location	a7	FINAL CFM	% to design
DDVAV1-SGRD1				
DDVAV1-SGRD2				
Total			0	

Diffuser Ret/Exh (GRD)

DDVAV1/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
DDVAV1-EGRD1	DF	DF										
DDVAV1-EGRD2	DF	DF										
Total					0			0		0	0	0%

Chetu Development

Project:17 April Project

VAV - Dual Duct

AHU1/

Asset							
DDVAV2	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)	Design Max CFM
	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)
	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)
Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP	Discharge SP	Mixing Damper Functional	

Chetu Development

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VAV - Dual Duct

Test QA/

Asset							
DDVAV2	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)	Design Max CFM
	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)
	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)
Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP	Discharge SP	Mixing Damper Functional	

Chetu Development

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VAV - Dual Duct

AHU1/

Asset							
AHU1-DDVAV1	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)	Design Max CFM
	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)
	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)
Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP	Discharge SP	Mixing Damper Functional	

Chetu Development

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VAV - Dual Duct

Test QA/

Asset							
AHU1-DDVAV1	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)	Design Max CFM
	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)
	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)
Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP	Discharge SP	Mixing Damper Functional	

Diffuser Supply (GRD)

AHU1-DDVAV1/

Asset				
Asset Name	Location	a7	FINAL CFM	% to design
AHU1-DDVAV1-SGRD1				
AHU1-DDVAV1-SGRD2				
AHU1-DDVAV1-SGRD3				
Total			0	

Diffuser Ret/Exh (GRD)

AHU1-DDVAV1/

Asset												
Asset Name	Model Num	MFG	Type	Size	DESIGN CFM	AK	VEL(1)	CFM(1)	VEL(2)	CFM(2)	FINAL CFM	% to design
AHU1-DDVAV1-EGRD1	DF	DF										
AHU1-DDVAV1-EGRD2	DF	DF										
AHU1-DDVAV1-EGRD3	DF	DF										
Total					0			0		0	0	0%

Chetu Development

Project:17 April Project

VAV - Dual Duct

AHU1/

Asset							
AHU1-DDVAV2	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)	Design Max CFM
	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)
	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)
Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP	Discharge SP	Mixing Damper Functional	

Chetu Development

Project:17 April Project

VAV - Dual Duct

Test QA/

Asset							
AHU1-DDVAV2	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)	Design Max CFM
	Max CFM	Design Min CFM	Min CFM	Ak (max)	Ak (min)	SetPt (max)	SetPt (Min)
	Design EAT-Cold Deck (db/wb)	EAT-Cold Deck (db/wb)	Design EAT-Hot Deck (db/wb)	EAT-Hot Deck (db/wb)	Design LAT-Max Cooling (db/wb)	LAT-Max Cooling (db/wb)	LAT-Min Cooling (db/wb)
Design LAT-Max Heating (db/wb)	LAT-Max Heating (db/wb)	LAT-Min Heating (db/wb)	Inlet - Cold Deck SP	Inlet - Hot Deck SP	Discharge SP	Mixing Damper Functional	

Chetu Development

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VAV - Single Duct

Test QA/

Asset							
VAV1	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)	Ak (min)	Ak (heat)
	Damper SetPt	Diversity Test 1	Diversity Test 2	Design EAT (F - db/wb)	EAT (F - db/wb)	Design LAT (F - db/wb)	LAT (F - db/wb)
	Inlet SP	Discharge SP					
VAV2	Serial Num	Design Service	Service	Type	Inlet Size	Design Max CFM	Max CFM
	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)	Ak (min)	Ak (heat)
	Damper SetPt	Diversity Test 1	Diversity Test 2	Design EAT (F - db/wb)	EAT (F - db/wb)	Design LAT (F - db/wb)	LAT (F - db/wb)
	Inlet SP	Discharge SP					