Report By:

Chetu Development

,

Report: Test and Balance

Date: 11/8/2021

PROJECT

3CDC - 5th & RA

Address1

City, AK 11111

Client

Noida

Noida, KY 12345

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Project: 3CDC - 5th & RA

Table Of Contents

3CDC - 5th & RA

CheckList Information

Name :	Create by Sonu Checklist	**Status :**	NotSubmitted
Assigned Organization :	MULTIPLE	**Asset :**	
Requesting Organization :	Chetu Development		

CheckList Item Details

Item 1	
• Open Fule1.jpg	
Item 2	Yes
• Open Vid1.mp4	
Item 3	
Item 4	Occupied : (Pass) Control :(Pass)
Comment	
Item 5	Occupied : () Control :()
Comment	jj
Item 6	04/09/2021
Item 7	
Item 8	Pass
Item 9	
Item 10	
Item 11	

3CDC - 5th & RA

CheckList Information

Name :	Checklist 09112021	**Status :**	NotSubmitted
Assigned Organization :	MULTIPLE	**Asset :**	
Requesting Organization :	Chetu Development		

CheckList Item Details

item1	
TT	
Item1	
Item2	
Item3	Unoccupied : () Control :()
Comment	
Item4	
Item5	
Item6	
dfdfdfd	Unoccupied : () Control :()
Comment	
Item1	
Item2	
Item3	Unoccupied : () Control :()
Comment	
Item4	
Item5	
Item6	
dfdfdfd	Unoccupied : () Control :()
Comment	

Item1	
Item2	
Item3 Comment	Unoccupied : () Control :()
Item4	
Item5	
Item6	
dfdfdfd Comment	Unoccupied : () Control :()
Item1	
Item2	
Item3 Comment	Unoccupied : () Control :()
Item4	
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dfdfdfd Comment	Unoccupied : () Control :()
Item1	
Item2	
Item3 Comment	Unoccupied : () Control :()
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Item6	
dfdfdfd Comment	Unoccupied : () Control :()
Item1	

Item2	
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Comment	
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Comment	
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Item2	
Item3	Unoccupied : () Control :()
Comment	
Item4	
Item5	
Item6	
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Comment	
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Item2	
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Item4	
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Item6	
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Comment	
Item1	
Item2	

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Comment	
Item4	
Item5	
Item6	
dfdfdfd	Unoccupied : () Control :()
Comment	
Item1	
Item2	

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Item3	Unoccupied : () Control :()
Comment	
Item4	
Item5	
Item6	
dfdfdfd	Unoccupied : () Control :()
Comment	
Item1	
Item2	
Item3	Unoccupied : () Control :()
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Item4	
Item5	
Item6	
dfdfdfd	Unoccupied : () Control :()
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Item1	
Item2	
Item3	Unoccupied : () Control :()
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Item4	
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Item6	
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Item1	
Item2	
Item3	Unoccupied : () Control :()
Comment	
Item4	
Item5	
Item6	
dfdfdfd	Unoccupied : () Control :()
Comment	

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AIR SOLUTIONS, INC.

1329 E Kemper Rd, Suite 4210
CINCINNATI, OH 45246
Phone (513)-860-5555, Fax (513)-860-0465
Email Address: joe@airsolution.com

Installation Contract

To: Bill B. **Date: 2/26/21**
Attn:

HOOD(S) INSTALLATION SYSTEMS:

Labor & Material to receive uncrate & hang qty (1) hood(s) with supply plenum. Supply & install Captive-Aire Listed SS ductwork or Welded Liquid tight grease duct from Type I hood(s) to exhaust fan(s). Fabricate & install galvanized supply air duct from hood(s) to make-up air unit located on roof. Includes Crane rental & Lift Rental as required, hood hanging materials, and trim wrappers between hood(s) and ceiling (Backsplash and trim provided by others)

ALSO INCLUDES:

- Stamped Engineered drawings & hood Permit fees as required for the hood systems.
- Qty (2) Layers of Fire-rated Listed Firewrap for all exhaust grease hood ductwork
- Coordination with other trades or facility.
- Final performance test & ensuring product meets client's expectations.

EXCLUDES:

- Roof flashing, repair or patching
- Building Fire alarm tie in (IF owner has fire alarm, owner must install & permit)
- ALL Field electric or plumbing or permits for these disciplines
- Roof service platforms or rails if fans on 3/12 pitch roof or greater or 10 ft from edge of roof.
- Structural modifications to building roof or walls including walls behind hood if required.
- Structural Engineering/Certification or building permits that may be required by Code or because of Site Conditions

Total Installation Price $16,980.00/Lot
(See separate Captive Aire equipment proposal for hood price)

Acceptance of Contract

The Above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made in accordance to terms as set up with previous established credit or as follows: 35% down, 55% once equipment on site & hood is hanging, 10% after passing final hood & Ansul test.

Company: Air Solutions, Inc
Authorized Signature/Title/Date: _____Joe Hertenstein / President / 10-15-20_____

Client: _____

Signature \Title (1): _____

Date of Acceptance: _____
(1)any electronic signature must be electronically signed & not cannot be a generic stamp

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Project Issue Information

Issue Name : New Issue 12 June

Description : CSV File Uploaded.

Created By : Chetu Development **Assigned To :** Chetu Development - Rahul Singh

Status : Open

Originated Date : 06/12/2021 - Gulshan Kumar - Chetu Development

Project Issue File Details

1. Open Machine_readable_business_employment_data_mar_2021_quarter.csv

Project Issue Response Details

- **06/14/2021 Chetu Development - Gulshan Kumar**
  - 1
    1. Open GstInvoice-May-2021-XXXXXXXX0034.pdf

- **06/14/2021 Chetu Development - Gulshan Kumar**
  - 1

3CDC - 5th & RA

Project Issue Information

Issue Name : File Upload Issue

Description : Fole Upload Issue

Created By : Chetu Development **Assigned To :** Chetu Development - Gulshan Kumar

Status : Open

Originated Date : 08/10/2021 - Gulshan Kumar - Chetu Development

Project Issue File Details

1. Open airticket.pdf

Project RFI Information

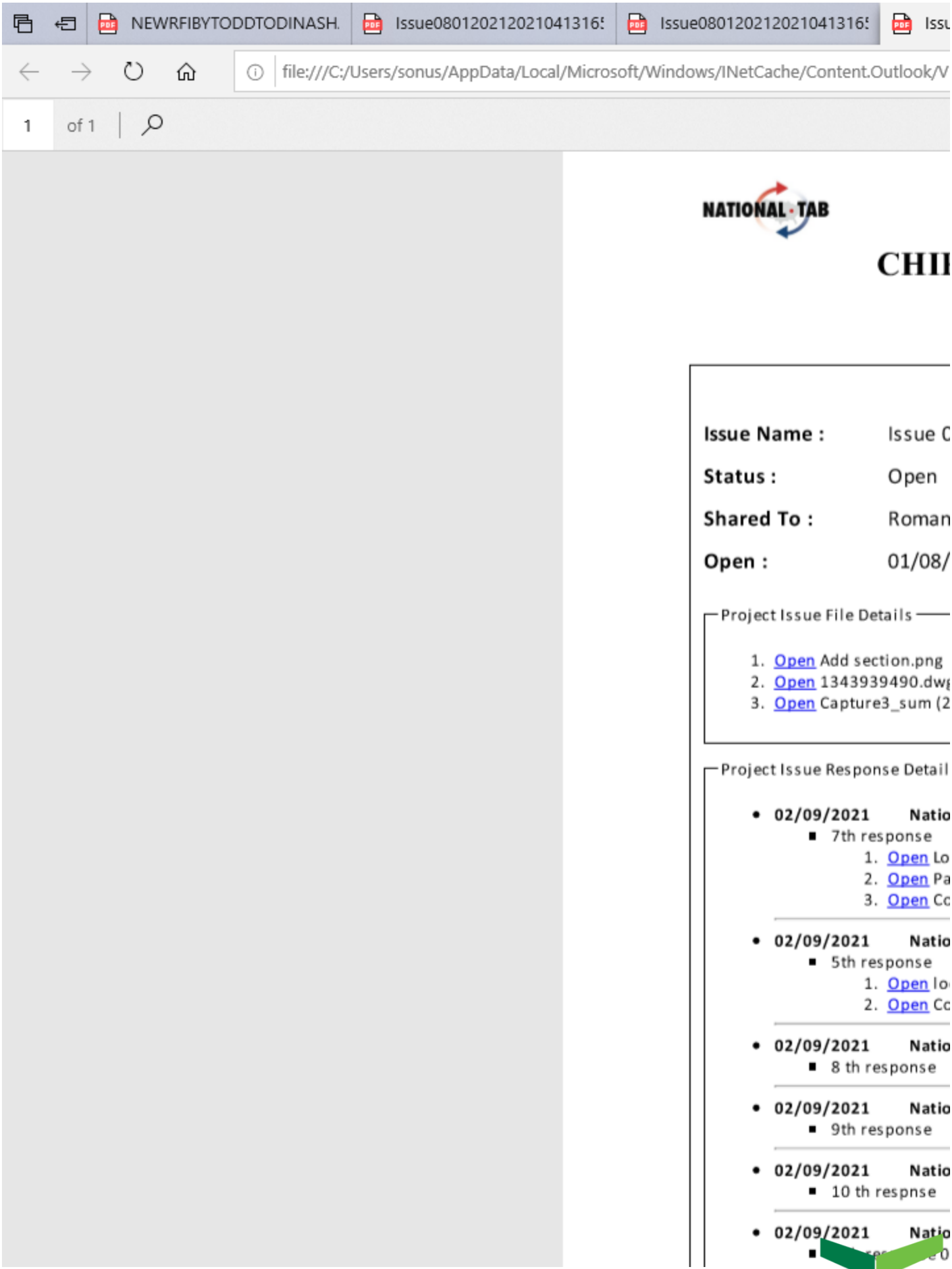
Issue Name : rfi 09112021

Description : m

Created By : Chetu Development **Assigned To :** Chetu Development - Prashant Channe

Status : Open

Originated Date : 11/08/2021 - Gulshan Kumar - Chetu Development



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Project: 3CDC - 5th & RA

System/Unit: AHU/RTU

Asset: AHU1 AREA:

Unit Data		
	Design	Actual
MFG	mo	mo
Model Num	mk	mk
Serial Num	-	
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		
	Design	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		
	Design	Actual
Fan Alignment	-	
Fan Rotation	-	
Fan 1 Motor RLA	-	
Fan 1 Motor RLV	-	
Fan 2 Motor RLA	-	
Fan 2 Motor RLV	-	

Gas Heat		
	Design	Actual
Gas Type	-	
Burner Type	-	
Burner Construction	-	
Input MBH (rated)	-	
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 Delta SP	-	
PreHeat Coil Delta SP	-	
DX Coil Delta SP	-	
CHW Coil Delta SP	-	
HW Coil Delta SP	-	
Steam Coil Delta SP	-	
Final Filters Delta SP	-	
Heat Wheel (Exh) Delta SP	-	
Heat Wheel (Sup) Delta SP	-	
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	-	

Compressors		
	Design	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	-	

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

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

Electrical		
	Design	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	-	

General		
	Design	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	-	

Completed By: Gulshan Kumar

Notes:

Chetu Development

Project: 3CDC - 5th & RA

System/Unit: AHU/RTU

Asset: AHU2 AREA:

Unit Data		
	Design	Actual
MFG	mo	mo
Model Num	mk	mk
Serial Num	-	
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		
	Design	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		
	Design	Actual
Fan Alignment	-	
Fan Rotation	-	
Fan 1 Motor RLA	-	
Fan 1 Motor RLV	-	
Fan 2 Motor RLA	-	
Fan 2 Motor RLV	-	

Gas Heat		
	Design	Actual
Gas Type	-	
Burner Type	-	
Burner Construction	-	
Input MBH (rated)	-	
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 Delta SP	-	
PreHeat Coil Delta SP	-	
DX Coil Delta SP	-	
CHW Coil Delta SP	-	
HW Coil Delta SP	-	
Steam Coil Delta SP	-	
Final Filters Delta SP	-	
Heat Wheel (Exh) Delta SP	-	
Heat Wheel (Sup) Delta SP	-	
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	-	

Compressors		
	Design	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	-	

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

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

Electrical		
	Design	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	-	

General		
	Design	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	-	

Completed By: Gulshan Kumar

Notes: