

Walgreens



WAG HVAC Start-Up AES

Site ID: 4619

Address: 999 SEBASTIAN BLVD

City: SEBASTIAN

State: FL

Zip: 32958 4861

Survey Date: 12/8/2022

Start-Up Date: 12/08/2022

HVAC Contractor Phone: 3349916961

Start-Up Technician: Octavious Hoffman

Contractor's Email Address: aesmec.com

Walgreens Installing HVAC Contractor: AES
Mechanical

RTU UNIT INFORMATION

| | |
|--|--------------------|
| Location Other Than Roof | Front right |
| RTU Unit Number / Serves Store Area Description: | Rtu-1 office |
| RTU Make: | York |
| RTU Manufacturer: | JCI |
| RTU Model Number: | Zt078e09r2b5gcb2r1 |
| RTU Serial Number: | N2e2377534 |
| RTU Cooling Tons: | 6.5 |
| Heating System: | Natural Gas |

RTU Unit Name Plate Photo



RTU Walgreens Asset Tag Photo



| | |
|--|------------------------------|
| Scan RTU Walgreens Asset Tag Barcode Number: | WG0000524532 |
| JCI Warranty Registration Completed? | Yes |
| Installed Temperature Control Serving this Unit: | Gridpoint TS-102 / 3612 Sys. |

RTU GENERAL INSPECTION

| | |
|--|-----------|
| RTU Refrigeration System Checked for Gross Leaks | Completed |
| RTU Terminal Screws and Wiring Connections Checked for Tightness | Completed |
| Air Filters Installed Correctly and Clean | Completed |

Installed RTU Air Filter Photo



RTU Economizer Hoods Installed in Operating Position

Completed

Installed RTU Economizer Photo



RTU Condensate Drain CostGard System Installed Properly

Completed

RTU Condensate Drain Extended to Nearest Roof Drain

Completed

Installed RTU Condensate Drain Photo



RTU Economizer Damper Linkage Tight

Completed

Completed RTU Economizer Damper Linkage Photo



RTU Gas Heat Vent Hood Installed

N/A - Electric Heat or Heat Pump

All RTU Field Power Wiring Complete

Completed

All RTU Field Power Wiring Photo



All RTU Field Control Wiring Complete

Completed

All RTU Field Control Wiring Photo



All RTU Field Natural Gas / Propane Piping Complete

N/A - Electric Heat or Heat Pump

RTU Gas Shut-Off Valve in ON Position

N/A - Electric Heat or Heat Pump

RTU Correctly Labeled on Exterior Using 4 inch x 2 inch Exterior Reflective Labels with RTU # Designation

Completed

RTU Label Photo



Seismic Adapter Clips Furnished and Installed on RTU

Yes

If Seismic Adapter Clips Furnished and Installed on RTU, take Photo



All 5 Sides of Installed Unit of RTU - Including Top with Condensor Fan Section.



Interior Pictures of RTU Blower Section, Power / Control Section, Heat Section, Compressor Section.



Complete / Clear Pictures of All RTU Condenser Coil and Evaporator Coil Surfaces.



All RTU Electric and Heat Utility Piping Through Roof and All Connections / Penetrations at the Unit.



Roof Areas Around RTU Unit Showing the Areas are Clean and Free of Any Debris or Damage Related to the Installation.



AIR MOVING INSPECTION

Alignment of RTU Drive Components

Completed

Alignment of RTU Drive Component Photo



Alignment of Blower Pulley Key Flush with End of Blower Shaft



RTU Belt Tension Adjusted Properly Completed

RTU Blower Pulleys Tight on Shaft, Bearing Set Screws Tight, Wheel Tight to Shaft. Completed

RTU Pressure Switch or Transducer Tubing Installed Properly Completed

EXHAUST INSPECTION

Exhaust Type Powered

Check Hub for Tightness Complete

Check Fan Blade for Clearance N/A

Check for Proper Rotation N/A

Check for Proper Mounting Complete

Prove Operation by Increasing Minimum Setting on Economizer Complete

ECONOMIZER INSPECTION

Economizer Type Standard

C02 Sensor Installed Complete

Installed C02 Sensor Photo



Check Single Enthalpy Economizer Setting Completed

Reheat / Indoor Humidity Sensor Location Return Air at RTU

Reheat / Indoor Humidity Sensor Wired to RTU Control Board Completed

Installed Reheat / Indoor Humidity Sensor Photo showing installed location



| | |
|--|-----------|
| Outdoor Humidity Sensor Wired to Economizer Control Board | Completed |
| Prove Economizer Open / Close Through PC or Control Module | Completed |

REHEAT MODE

| | |
|--|-----------|
| Set Reheat Mode to Alternate or Not Applicable | Completed |
|--|-----------|

RTU BLOWER INFORMATION

| | |
|---|-----------|
| RTU Blower Motor Rated HP | 2 |
| RTU Blower Motor Rated FLA | 6.8 |
| RTU Blower Motor Rated RPM | 1750 |
| Check Proper Rotation of RTU Supply Fan | Completed |
| RTU Blower Motor Controlled by VFD | Yes |
| RTU Direct Drive Blower Motor | No |

RTU ELECTRICAL DATA - VOLTAGE

| | |
|------------------------|------------------|
| RTU Line Input Voltage | 208-230 / 3 / 60 |
|------------------------|------------------|

| Line Input Voltage | |
|--------------------|-----|
| L1 | 210 |
| L2 | 211 |
| L3 | 210 |

| | Nameplate | L1 | L2 | L3 |
|--------------------------------|-----------|-----|-----|-----|
| Supply Fan Motor | 6.8 | 3.1 | 3.1 | 3.3 |
| Condenser Fan #1 | 3.5 | 1.2 | 1.2 | 1.3 |
| Condenser Fan #2 (if equipped) | 3.5 | 1.3 | 1.3 | 1.3 |
| Condenser Fan #3 (if equipped) | 3.5 | 1.2 | 1.2 | 1.3 |
| Condenser Fan #4 (if equipped) | 3.5 | 1.3 | 1.2 | 1.2 |
| Compressor #1 | 11.6 | 5.9 | 5.8 | 6.0 |
| Compressor #2 (if equipped) | 11.6 | 5.8 | 5.9 | 6.1 |

| F db | Outside Air Temp | Return Air Temp | Mixed Air Temp | Supply Air Temp |
|------|------------------|-----------------|----------------|-----------------|
| | 87 | 72 | | 57 |

| | Discharge Pressure | Discharge Temp | Liquid Line Temp Befor LL Drier | Subcooling | Suction Pressure | Suction Temp. | Superheat |
|---------|--------------------|----------------|---------------------------------|------------|------------------|---------------|-----------|
| Stage 1 | 257 | 80 | | | 141 | 47 | |
| Stage 2 | 251 | 83 | | | 138 | 48 | |

RTU REFRIGERANT SAFETIES

Prove RTU Compressor Rotation (3 phase only) by gauge pressure

Completed

Prove RTU High Pressure Safety, All Systems

Completed

Prove RTU Low Pressure Safety, All Systems

Completed

RTU OPERATING MEASUREMENTS - GAS HEATING

| | |
|------------|-------------------|
| Fuel Type: | N/A - No Gas Heat |
|------------|-------------------|

Prove RTU Primary Safety Operation

 Completed

Prove RTU Auxiliary Safety Operation

 Completed

Prove RTU Smoke Detector Operation

 Completed

RTU OPERATING MEASUREMENTS - ELECTRIC HEATING

Electric Heat Installed Yes

Electric Heat Section Model # 8720/ 2tp04520925

Electric Heat Section Serial # T2c2071030

Electric Heater KW 6.8

Electric Heater Nameplate Voltage 208

| | Nameplate | L1 | L2 | L3 |
|---------|-----------|----|----|----|
| Stage 1 | 52.4 | | | |
| Stage 2 | 52.4 | | | |

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Create a RTU cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized. Yes

Create a RTU heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized. Yes

Verify that RTU motor speed modulates with duct pressure change. Yes

FINAL INSPECTION

Run All RTU Gas / Electric Heating Systems at Full Capacity for a minimum of 20 Minutes to Burn Off any impurities on the heating section materials. Place Fire Alarm Panel in Test and Inform Store Management that burning odor may be present for a short time but is normal for new equipment at Start-up. Completed

Verify that all RTU operational control set points have been set to Walgreens desired value Scroll through all setpoints and verify all have been set to Walgreens specifications. Yes

Verify that all RTU option parameters are correct. Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software. Yes

RTU - Verify & Confirm that Fire Alarm Panel has been taken out of Test and No Zones are signaling Trouble. Yes

RTU UNIT INFORMATION

Location Other Than Roof Front

RTU Unit Number / Serves Store Area Description: Rtu-2 front counter

RTU Make: York

RTU Manufacturer: JCI

RTU Model Number: Zt090e09r2b5gcl2r1

RTU Serial Number: N2h2837858

RTU Cooling Tons: 7.5

Heating System: Natural Gas

RTU Unit Name Plate Photo



RTU Walgreens Asset Tag Photo



Scan RTU Walgreens Asset Tag Barcode Number: WG0000524554

JCI Warranty Registration Completed? Yes

Installed Temperature Control Serving this Unit: Gridpoint TS-102 / 3612 Sys.

RTU GENERAL INSPECTION

RTU Refrigeration System Checked for Gross Leaks Completed

RTU Terminal Screws and Wiring Connections Checked for Tightness Completed

Air Filters Installed Correctly and Clean Completed

Installed RTU Air Filter Photo



RTU Economizer Hoods Installed in Operating Position Completed

Installed RTU Economizer Photo



RTU Condensate Drain CostGard System Installed Properly

Completed

RTU Condensate Drain Extended to Nearest Roof Drain

Completed

Installed RTU Condensate Drain Photo



RTU Economizer Damper Linkage Tight

Completed

Completed RTU Economizer Damper Linkage Photo



RTU Gas Heat Vent Hood Installed

N/A - Electric Heat or Heat Pump

All RTU Field Power Wiring Complete

Completed

All RTU Field Power Wiring Photo



All RTU Field Control Wiring Complete

Completed

All RTU Field Control Wiring Photo



All RTU Field Natural Gas / Propane Piping Complete

N/A - Electric Heat or Heat Pump

RTU Gas Shut-Off Valve in ON Position

N/A - Electric Heat or Heat Pump

RTU Correctly Labeled on Exterior Using 4 inch x 2 inch Exterior Reflective Labels with RTU # Designation

Completed

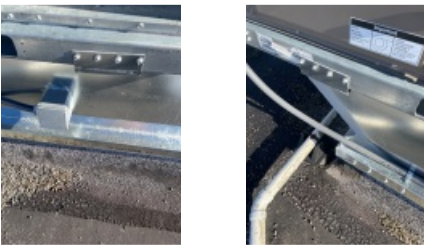
RTU Label Photo



Seismic Adapter Clips Furnished and Installed on RTU

Yes

If Seismic Adapter Clips Furnished and Installed on RTU, take Photo



All 5 Sides of Installed Unit of RTU - Including Top with Condensor Fan Section.



Interior Pictures of RTU Blower Section, Power / Control Section, Heat Section, Compressor Section.



Complete / Clear Pictures of All RTU Condenser Coil and Evaporator Coil Surfaces.



All RTU Electric and Heat Utility Piping Through Roof and All Connections / Penetrations at the Unit.



Roof Areas Around RTU Unit Showing the Areas are Clean and Free of Any Debris or Damage Related to the Installation.



AIR MOVING INSPECTION

Alignment of RTU Drive Components Completed

Alignment of RTU Drive Component Photo



Alignment of Blower Pulley Key Flush with End of Blower Shaft



RTU Belt Tension Adjusted Properly Completed

RTU Blower Pulleys Tight on Shaft, Bearing Set Screws Tight, Wheel Tight to Shaft. Completed

RTU Pressure Switch or Transducer Tubing Installed Properly Completed

EXHAUST INSPECTION

Exhaust Type Powered

Check Hub for Tightness Complete

Check Fan Blade for Clearance N/A

Check for Proper Rotation N/A

| | |
|---|----------|
| Check for Proper Mounting | Complete |
| Prove Operation by Increasing Minimum Setting on Economizer | Complete |

ECONOMIZER INSPECTION

| | |
|--|-------------------|
| Economizer Type | Standard |
| C02 Sensor Installed | N/A |
| Check Single Enthalpy Economizer Setting | Completed |
| Reheat / Indoor Humidity Sensor Location | Return Air at RTU |
| Reheat / Indoor Humidity Sensor Wired to RTU Control Board | Completed |
| Installed Reheat / Indoor Humidity Sensor Photo showing installed location | |



| | |
|--|-----------|
| Outdoor Humidity Sensor Wired to Economizer Control Board | Completed |
| Prove Economizer Open / Close Through PC or Control Module | Completed |

REHEAT MODE

| | |
|--|-----------|
| Set Reheat Mode to Alternate or Not Applicable | Completed |
|--|-----------|

RTU BLOWER INFORMATION

| | |
|---|-----------|
| RTU Blower Motor Rated HP | 3 |
| RTU Blower Motor Rated FLA | 9.6 |
| RTU Blower Motor Rated RPM | 1750 |
| Check Proper Rotation of RTU Supply Fan | Completed |
| RTU Blower Motor Controlled by VFD | Yes |
| RTU Direct Drive Blower Motor | No |

RTU ELECTRICAL DATA - VOLTAGE

| | |
|------------------------|------------------|
| RTU Line Input Voltage | 208-230 / 3 / 60 |
|------------------------|------------------|

| Line Input Voltage | |
|--------------------|-----|
| L1 | 210 |
| L2 | 211 |
| L3 | 210 |

| | Nameplate | L1 | L2 | L3 |
|--------------------------------|-----------|-----|-----|-----|
| Supply Fan Motor | 9.6 | 4.7 | 4.8 | 4.7 |
| Condenser Fan #1 | 3.5 | 1.2 | 1.2 | 1.3 |
| Condenser Fan #2 (if equipped) | 3.5 | 1.2 | 1.3 | 1.2 |
| Condenser Fan #3 (if equipped) | 3.5 | 1.3 | 1.3 | 1.3 |
| Condenser Fan #4 (if equipped) | 3.5 | 1.3 | 1.2 | 1.2 |
| Compressor #1 | 11.6 | 5.7 | 5.6 | 5.6 |
| Compressor #2 (if equipped) | 14.0 | 6.2 | 6.4 | 6.4 |

| F db | Outside Air Temp | Return Air Temp | Mixed Air Temp | Supply Air Temp |
|------|------------------|-----------------|----------------|-----------------|
| | 87 | 72 | | 56 |

| | Discharge Pressure | Discharge Temp | Liquid Line Temp Befor LL Drier | Subcooling | Suction Pressure | Suction Temp. | Superheat |
|---------|--------------------|----------------|---------------------------------|------------|------------------|---------------|-----------|
| Stage 1 | 256 | 80 | | | 144 | 50 | |
| Stage 2 | 250 | 82 | | | 139 | 48 | |

RTU REFRIGERANT SAFETIES

Prove RTU Compressor Rotation (3 phase only) by gauge pressure

Completed

Prove RTU High Pressure Safety, All Systems

Completed

Prove RTU Low Pressure Safety, All Systems

Completed

RTU OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: N/A - No Gas Heat

Prove RTU Primary Safety Operation

Completed

Prove RTU Auxiliary Safety Operation

Completed

Prove RTU Smoke Detector Operation

Completed

RTU OPERATING MEASUREMENTS - ELECTRIC HEATING

Electric Heat Installed Yes

Electric Heat Section Model # 8720/ 2tp04520925

Electric Heat Section Serial # T2f2071713

Electric Heater KW 6.8

Electric Heater Nameplate Voltage 208

| | Nameplate | L1 | L2 | L3 |
|---------|-----------|----|----|----|
| Stage 1 | 58.2 | | | |
| Stage 2 | 58.2 | | | |

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Create a RTU cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized. Yes

Create a RTU heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized. Yes

Verify that RTU motor speed modulates with duct pressure change.

Yes

FINAL INSPECTION

Run All RTU Gas / Electric Heating Systems at Full Capacity for a minimum of 20 Minutes to Burn Off any impurities on the heating section materials. Place Fire Alarm Panel in Test and Inform Store Management that burning odor may be present for a short time but is normal for new equipment at Start-up.

Completed

Verify that all RTU operational control set points have been set to Walgreens desired value Scroll through all setpoints and verify all have been set to Walgreens specifications.

Yes

Verify that all RTU option parameters are correct. Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software.

Yes

RTU - Verify & Confirm that Fire Alarm Panel has been taken out of Test and No Zones are signaling Trouble.

Yes

RTU UNIT INFORMATION

Location Other Than Roof

Left rear

RTU Unit Number / Serves Store Area Description:

Rtu-3 cosmetics

RTU Make:

York

RTU Manufacturer:

JCI

RTU Model Number:

Zj061e09d2b5gcb2r3

RTU Serial Number:

N2d2361206

RTU Cooling Tons:

5

Heating System:

Electric

RTU Unit Name Plate Photo



RTU Walgreens Asset Tag Photo



Scan RTU Walgreens Asset Tag Barcode Number:

WG0000524529

JCI Warranty Registration Completed?

Yes

Installed Temperature Control Serving this Unit:

Gridpoint TS-102 / 3612 Sys.

RTU GENERAL INSPECTION

RTU Refrigeration System Checked for Gross Leaks Completed

RTU Terminal Screws and Wiring Connections Checked for Tightness Completed

Air Filters Installed Correctly and Clean Completed

Installed RTU Air Filter Photo



RTU Economizer Hoods Installed in Operating Position Completed

Installed RTU Economizer Photo



RTU Condensate Drain CostGard System Installed Properly Completed

RTU Condensate Drain Extended to Nearest Roof Drain Completed

Installed RTU Condensate Drain Photo



RTU Economizer Damper Linkage Tight Completed

Completed RTU Economizer Damper Linkage Photo



RTU Gas Heat Vent Hood Installed

N/A - Electric Heat or Heat Pump

All RTU Field Power Wiring Complete Completed

All RTU Field Power Wiring Photo



All RTU Field Control Wiring Complete

Completed

All RTU Field Control Wiring Photo



All RTU Field Natural Gas / Propane Piping Complete

Completed

RTU Gas Shut-Off Valve in ON Position

N/A - Electric Heat or Heat Pump

RTU Correctly Labeled on Exterior Using 4 inch x 2 inch Exterior Reflective Labels with RTU # Designation

Completed

RTU Label Photo



Seismic Adapter Clips Furnished and Installed on RTU

Yes

If Seismic Adapter Clips Furnished and Installed on RTU, take Photo



All 5 Sides of Installed Unit of RTU - Including Top with Condensor Fan Section.



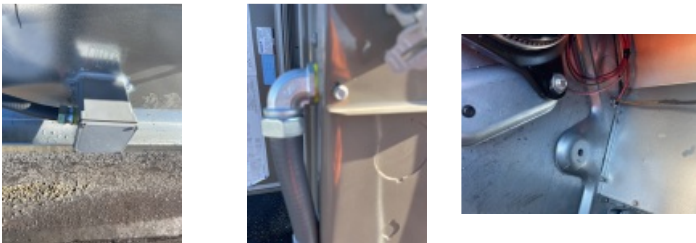
Interior Pictures of RTU Blower Section, Power / Control Section, Heat Section, Compressor Section.



Complete / Clear Pictures of All RTU Condenser Coil and Evaporator Coil Surfaces.



All RTU Electric and Heat Utility Piping Through Roof and All Connections / Penetrations at the Unit.



Roof Areas Around RTU Unit Showing the Areas are Clean and Free of Any Debris or Damage Related to the Installation.



AIR MOVING INSPECTION

Alignment of RTU Drive Components

Completed

Alignment of RTU Drive Component Photo



Alignment of Blower Pulley Key Flush with End of Blower Shaft



| | |
|--|-----------|
| RTU Belt Tension Adjusted Properly | Completed |
| RTU Blower Pulleys Tight on Shaft, Bearing Set Screws Tight, Wheel Tight to Shaft. | Completed |
| RTU Pressure Switch or Transducer Tubing Installed Properly | Completed |

EXHAUST INSPECTION

| | |
|---|----------|
| Exhaust Type | Powered |
| Check Hub for Tightness | Complete |
| Check Fan Blade for Clearance | N/A |
| Check for Proper Rotation | N/A |
| Check for Proper Mounting | Complete |
| Prove Operation by Increasing Minimum Setting on Economizer | Complete |

ECONOMIZER INSPECTION

| | |
|----------------------|----------|
| Economizer Type | Standard |
| C02 Sensor Installed | Complete |

Installed C02 Sensor Photo



| | |
|--|-------------------|
| Check Single Enthalpy Economizer Setting | Completed |
| Reheat / Indoor Humidity Sensor Location | Return Air at RTU |
| Reheat / Indoor Humidity Sensor Wired to RTU Control Board | Completed |

Installed Reheat / Indoor Humidity Sensor Photo showing installed location



- Outdoor Humidity Sensor Wired to Economizer Control Board Completed
- Prove Economizer Open / Close Through PC or Control Module Completed

REHEAT MODE

- Set Reheat Mode to Alternate or Not Applicable Completed

RTU BLOWER INFORMATION

- RTU Blower Motor Rated HP 2
- RTU Blower Motor Rated FLA 6.8
- RTU Blower Motor Rated RPM 1725
- Check Proper Rotation of RTU Supply Fan Completed
- RTU Blower Motor Controlled by VFD No
- RTU Direct Drive Blower Motor No

RTU ELECTRICAL DATA - VOLTAGE

RTU Line Input Voltage 208-230 / 3 / 60

| Line Input Voltage | |
|--------------------|-----|
| L1 | 209 |
| L2 | 210 |
| L3 | 210 |

| | Nameplate | L1 | L2 | L3 |
|--------------------------------|-----------|-----|-----|-----|
| Supply Fan Motor | 6.8 | 3.5 | 3.4 | 3.4 |
| Condenser Fan #1 | 1.65 | 1.2 | 1.3 | 1.3 |
| Condenser Fan #2 (if equipped) | 1.65 | 1.3 | 1.2 | 1.2 |
| Compressor #1 | 12.4 | 6.1 | 6.0 | 6.1 |

| | Outside Air Temp | Return Air Temp | Mixed Air Temp | Supply Air Temp |
|------|------------------|-----------------|----------------|-----------------|
| F db | 87 | 72 | | 57 |

| | Discharge Pressure | Discharge Temp | Liquid Line Temp Befor LL Drier | Subcooling | Suction Pressure | Suction Temp. | Superheat |
|---------|--------------------|----------------|---------------------------------|------------|------------------|---------------|-----------|
| Stage 1 | 257 | 85 | | | 140 | 49 | |

RTU REFRIGERANT SAFETIES

Prove RTU Compressor Rotation (3 phase only) by gauge pressure

Completed

Prove RTU High Pressure Safety, All Systems

Completed

Prove RTU Low Pressure Safety, All Systems

Completed

RTU OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: N/A - No Gas Heat

Prove RTU Primary Safety Operation

 Completed

Prove RTU Auxiliary Safety Operation

 Completed

Prove RTU Smoke Detector Operation

 Completed

RTU OPERATING MEASUREMENTS - ELECTRIC HEATING

Electric Heat Installed Yes

Electric Heat Section Model # 1166420

Electric Heat Section Serial # A2200045

Electric Heater KW 6.8

Electric Heater Nameplate Voltage 208

| | Nameplate | L1 | L2 | L3 |
|---------|-----------|----|----|----|
| Stage 1 | 39.0 | | | |
| Stage 2 | 42.5 | | | |

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Create a RTU cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized. Yes

Create a RTU heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized. Yes

Verify that RTU motor speed modulates with duct pressure change. Yes

FINAL INSPECTION

Run All RTU Gas / Electric Heating Systems at Full Capacity for a minimum of 20 Minutes to Burn Off any impurities on the heating section materials. Place Fire Alarm Panel in Test and Inform Store Management that burning odor may be present for a short time but is normal for new equipment at Start-up. Completed

Verify that all RTU operational control set points have been set to Walgreens desired value Scroll through all setpoints and verify all have been set to Walgreens specifications. Yes

Verify that all RTU option parameters are correct. Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software. Yes

RTU - Verify & Confirm that Fire Alarm Panel has been taken out of Test and No Zones are signaling Trouble. Yes

RTU UNIT INFORMATION

Location Other Than Roof Middle

RTU Unit Number / Serves Store Area Description: Rtu-4 sales floor

RTU Make: York

RTU Manufacturer: JCI

RTU Model Number: Zt078e09r2b5gcb2r1

RTU Serial Number: N2e2377533

RTU Cooling Tons: 6.5

Heating System: Electric

RTU Unit Name Plate Photo



RTU Walgreens Asset Tag Photo



Scan RTU Walgreens Asset Tag Barcode Number: WG0000524531

JCI Warranty Registration Completed? Yes

Installed Temperature Control Serving this Unit: Gridpoint TS-102 / 3612 Sys.

RTU GENERAL INSPECTION

RTU Refrigeration System Checked for Gross Leaks Completed

RTU Terminal Screws and Wiring Connections Checked for Tightness Completed

Air Filters Installed Correctly and Clean Completed

Installed RTU Air Filter Photo



RTU Economizer Hoods Installed in Operating Position Completed

Installed RTU Economizer Photo



RTU Condensate Drain CostGard System Installed Properly

Completed

RTU Condensate Drain Extended to Nearest Roof Drain

Completed

Installed RTU Condensate Drain Photo



RTU Economizer Damper Linkage Tight

Completed

Completed RTU Economizer Damper Linkage Photo



RTU Gas Heat Vent Hood Installed

N/A - Electric Heat or Heat Pump

All RTU Field Power Wiring Complete

Completed

All RTU Field Power Wiring Photo



All RTU Field Control Wiring Complete

Completed

All RTU Field Control Wiring Photo



All RTU Field Natural Gas / Propane Piping Complete

N/A - Electric Heat or Heat Pump

RTU Gas Shut-Off Valve in ON Position

N/A - Electric Heat or Heat Pump

RTU Correctly Labeled on Exterior Using 4 inch x 2 inch Exterior Reflective Labels with RTU # Designation

Completed

RTU Label Photo



Seismic Adapter Clips Furnished and Installed on RTU

Yes

If Seismic Adapter Clips Furnished and Installed on RTU, take Photo



All 5 Sides of Installed Unit of RTU - Including Top with Condensor Fan Section.



Interior Pictures of RTU Blower Section, Power / Control Section, Heat Section, Compressor Section.



Complete / Clear Pictures of All RTU Condenser Coil and Evaporator Coil Surfaces.



All RTU Electric and Heat Utility Piping Through Roof and All Connections / Penetrations at the Unit.



Roof Areas Around RTU Unit Showing the Areas are Clean and Free of Any Debris or Damage Related to the Installation.



AIR MOVING INSPECTION

Alignment of RTU Drive Components

Completed

Alignment of RTU Drive Component Photo



Alignment of Blower Pulley Key Flush with End of Blower Shaft



| | |
|--|-----------|
| RTU Belt Tension Adjusted Properly | Completed |
| RTU Blower Pulleys Tight on Shaft, Bearing Set Screws Tight, Wheel Tight to Shaft. | Completed |
| RTU Pressure Switch or Transducer Tubing Installed Properly | Completed |

EXHAUST INSPECTION

| | |
|---|----------|
| Exhaust Type | Powered |
| Check Hub for Tightness | Complete |
| Check Fan Blade for Clearance | N/A |
| Check for Proper Rotation | N/A |
| Check for Proper Mounting | Complete |
| Prove Operation by Increasing Minimum Setting on Economizer | Complete |

ECONOMIZER INSPECTION

| | |
|----------------------|----------|
| Economizer Type | Standard |
| C02 Sensor Installed | Complete |

Installed C02 Sensor Photo



| | |
|--|-------------------|
| Check Single Enthalpy Economizer Setting | Completed |
| Reheat / Indoor Humidity Sensor Location | Return Air at RTU |
| Reheat / Indoor Humidity Sensor Wired to RTU Control Board | Completed |

Installed Reheat / Indoor Humidity Sensor Photo showing installed location



- Outdoor Humidity Sensor Wired to Economizer Control Board Completed
- Prove Economizer Open / Close Through PC or Control Module Completed

REHEAT MODE

- Set Reheat Mode to Alternate or Not Applicable Completed

RTU BLOWER INFORMATION

- RTU Blower Motor Rated HP 2
- RTU Blower Motor Rated FLA 6.8
- RTU Blower Motor Rated RPM 1750
- Check Proper Rotation of RTU Supply Fan Completed
- RTU Blower Motor Controlled by VFD No
- RTU Direct Drive Blower Motor No

RTU ELECTRICAL DATA - VOLTAGE

RTU Line Input Voltage 208-230 / 3 / 60

| Line Input Voltage | |
|--------------------|-----|
| L1 | 210 |
| L2 | 210 |
| L3 | 211 |

| | Nameplate | L1 | L2 | L3 |
|--------------------------------|-----------|-----|-----|-----|
| Supply Fan Motor | 6.8 | 2.7 | 2.8 | 2.9 |
| Condenser Fan #1 | 3.5 | 1.2 | 1.2 | 1.2 |
| Condenser Fan #2 (if equipped) | 3.5 | 1.3 | 1.3 | 1.3 |
| Condenser Fan #3 (if equipped) | 3.5 | 1.2 | 1.2 | 1.2 |
| Condenser Fan #4 (if equipped) | 3.5 | 1.3 | 1.3 | 1.3 |
| Compressor #1 | 11.6 | 4.9 | 5.0 | 4.9 |
| Compressor #2 (if equipped) | 11.6 | 5.1 | 5.0 | 5.1 |

| F db | Outside Air Temp | Return Air Temp | Mixed Air Temp | Supply Air Temp |
|------|------------------|-----------------|----------------|-----------------|
| | 87 | 72 | | 57 |

| | Discharge Pressure | Discharge Temp | Liquid Line Temp Befor LL Drier | Subcooling | Suction Pressure | Suction Temp. | Superheat |
|---------|--------------------|----------------|---------------------------------|------------|------------------|---------------|-----------|
| Stage 1 | 270 | 85 | | | 191 | 50 | |
| Stage 2 | 267 | 87 | | | 183 | 49 | |

RTU REFRIGERANT SAFETIES

Prove RTU Compressor Rotation (3 phase only) by gauge pressure

Completed

Prove RTU High Pressure Safety, All Systems

Completed

Prove RTU Low Pressure Safety, All Systems

Completed

RTU OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: N/A - No Gas Heat

Prove RTU Primary Safety Operation

 Completed

Prove RTU Auxiliary Safety Operation

 Completed

Prove RTU Smoke Detector Operation

 Completed

RTU OPERATING MEASUREMENTS - ELECTRIC HEATING

Electric Heat Installed Yes

Electric Heat Section Model # 8720/ 2tp04520925

Electric Heat Section Serial # T2c2081031

Electric Heater KW 6.8

Electric Heater Nameplate Voltage 208

| | Nameplate | L1 | L2 | L3 |
|---------|-----------|----|----|----|
| Stage 1 | 52.4 | | | |
| Stage 2 | 52.4 | | | |

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Create a RTU cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized. Yes

Create a RTU heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized. Yes

Verify that RTU motor speed modulates with duct pressure change. Yes

FINAL INSPECTION

Run All RTU Gas / Electric Heating Systems at Full Capacity for a minimum of 20 Minutes to Burn Off any impurities on the heating section materials. Place Fire Alarm Panel in Test and Inform Store Management that burning odor may be present for a short time but is normal for new equipment at Start-up. Completed

Verify that all RTU operational control set points have been set to Walgreens desired value Scroll through all setpoints and verify all have been set to Walgreens specifications. Yes

Verify that all RTU option parameters are correct. Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software. Yes

RTU - Verify & Confirm that Fire Alarm Panel has been taken out of Test and No Zones are signaling Trouble. Yes

RTU UNIT INFORMATION

Location Other Than Roof Right rear

RTU Unit Number / Serves Store Area Description: Rtu-5 pharmacy

RTU Make: York

RTU Manufacturer: JCI

RTU Model Number: Zj061e06d2b5gcb2r3

RTU Serial Number: N2h2930144

RTU Cooling Tons: 5

Heating System: Electric

RTU Unit Name Plate Photo



RTU Walgreens Asset Tag Photo



Scan RTU Walgreens Asset Tag Barcode Number: WG0000524518

JCI Warranty Registration Completed? Yes

Installed Temperature Control Serving this Unit: Gridpoint TS-102 / 3612 Sys.

RTU GENERAL INSPECTION

RTU Refrigeration System Checked for Gross Leaks Completed

RTU Terminal Screws and Wiring Connections Checked for Tightness Completed

Air Filters Installed Correctly and Clean Completed

Installed RTU Air Filter Photo



RTU Economizer Hoods Installed in Operating Position Completed

Installed RTU Economizer Photo



RTU Condensate Drain CostGard System Installed Properly

Completed

RTU Condensate Drain Extended to Nearest Roof Drain

Completed

Installed RTU Condensate Drain Photo



RTU Economizer Damper Linkage Tight

Completed

Completed RTU Economizer Damper Linkage Photo



RTU Gas Heat Vent Hood Installed

N/A - Electric Heat or Heat Pump

All RTU Field Power Wiring Complete

Completed

All RTU Field Power Wiring Photo



All RTU Field Control Wiring Complete

Completed

All RTU Field Control Wiring Photo



All RTU Field Natural Gas / Propane Piping Complete

N/A - Electric Heat or Heat Pump

RTU Gas Shut-Off Valve in ON Position

N/A - Electric Heat or Heat Pump

RTU Correctly Labeled on Exterior Using 4 inch x 2 inch Exterior Reflective Labels with RTU # Designation

Completed

RTU Label Photo



Seismic Adapter Clips Furnished and Installed on RTU

Yes

If Seismic Adapter Clips Furnished and Installed on RTU, take Photo



All 5 Sides of Installed Unit of RTU - Including Top with Condensor Fan Section.



Interior Pictures of RTU Blower Section, Power / Control Section, Heat Section, Compressor Section.



Complete / Clear Pictures of All RTU Condenser Coil and Evaporator Coil Surfaces.



All RTU Electric and Heat Utility Piping Through Roof and All Connections / Penetrations at the Unit.



Roof Areas Around RTU Unit Showing the Areas are Clean and Free of Any Debris or Damage Related to the Installation.



AIR MOVING INSPECTION

Alignment of RTU Drive Components Completed

Alignment of RTU Drive Component Photo



Alignment of Blower Pulley Key Flush with End of Blower Shaft



RTU Belt Tension Adjusted Properly Completed

RTU Blower Pulleys Tight on Shaft, Bearing Set Screws Tight, Wheel Tight to Shaft. Completed

RTU Pressure Switch or Transducer Tubing Installed Properly Completed

EXHAUST INSPECTION

Exhaust Type Powered

Check Hub for Tightness Complete

Check Fan Blade for Clearance N/A

Check for Proper Rotation N/A

| | |
|---|----------|
| Check for Proper Mounting | Complete |
| Prove Operation by Increasing Minimum Setting on Economizer | Complete |

ECONOMIZER INSPECTION

| | |
|----------------------------|----------|
| Economizer Type | Standard |
| C02 Sensor Installed | Complete |
| Installed C02 Sensor Photo | |



| | |
|--|-------------------|
| Check Single Enthalpy Economizer Setting | Completed |
| Reheat / Indoor Humidity Sensor Location | Return Air at RTU |
| Reheat / Indoor Humidity Sensor Wired to RTU Control Board | Completed |
| Installed Reheat / Indoor Humidity Sensor Photo showing installed location | |



| | |
|--|-----------|
| Outdoor Humidity Sensor Wired to Economizer Control Board | Completed |
| Prove Economizer Open / Close Through PC or Control Module | Completed |

REHEAT MODE

| | |
|--|-----------|
| Set Reheat Mode to Alternate or Not Applicable | Completed |
|--|-----------|

RTU BLOWER INFORMATION

| | |
|---|-----------|
| RTU Blower Motor Rated HP | 2 |
| RTU Blower Motor Rated FLA | 6.8 |
| RTU Blower Motor Rated RPM | 1725 |
| Check Proper Rotation of RTU Supply Fan | Completed |
| RTU Blower Motor Controlled by VFD | No |
| RTU Direct Drive Blower Motor | No |

RTU ELECTRICAL DATA - VOLTAGE

| | |
|------------------------|------------------|
| RTU Line Input Voltage | 208-230 / 3 / 60 |
|------------------------|------------------|

| Line Input Voltage | |
|--------------------|-----|
| L1 | 210 |
| L2 | 211 |
| L3 | 211 |

| | Nameplate | L1 | L2 | L3 |
|--------------------------------|-----------|-----|-----|-----|
| Supply Fan Motor | 6.8 | 3.1 | 3.2 | 3.2 |
| Condenser Fan #1 | 1.65 | 1.2 | 1.3 | 1.3 |
| Condenser Fan #2 (if equipped) | 1.65 | 1.3 | 1.2 | 1.2 |
| Compressor #1 | 12.4 | 5.8 | 5.7 | 5.7 |

| F db | Outside Air Temp | Return Air Temp | Mixed Air Temp | Supply Air Temp |
|------|------------------|-----------------|----------------|-----------------|
| | 87 | 71 | | 57 |

| Stage | Discharge Pressure | Discharge Temp | Liquid Line Temp Befor LL Drier | Subcooling | Suction Pressure | Suction Temp. | Superheat |
|---------|--------------------|----------------|---------------------------------|------------|------------------|---------------|-----------|
| Stage 1 | 255 | 85 | | | | | |

RTU REFRIGERANT SAFETIES

Prove RTU Compressor Rotation (3 phase only) by gauge pressure

Completed

Prove RTU High Pressure Safety, All Systems

Completed

Prove RTU Low Pressure Safety, All Systems

Completed

RTU OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: N/A - No Gas Heat

Prove RTU Primary Safety Operation

Completed

Prove RTU Auxiliary Safety Operation

Completed

Prove RTU Smoke Detector Operation

Completed

RTU OPERATING MEASUREMENTS - ELECTRIC HEATING

Electric Heat Installed Yes

Electric Heat Section Model # 1166418

Electric Heat Section Serial # G2200019

Electric Heater KW 4.5

Electric Heater Nameplate Voltage 208

| | Nameplate | L1 | L2 | L3 |
|---------|-----------|----|----|----|
| Stage 1 | 31.1 | | | |
| Stage 2 | 33.4 | | | |

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Create a RTU cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized. Yes

Create a RTU heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized. Yes

Verify that RTU motor speed modulates with duct pressure change.

Yes

FINAL INSPECTION

Run All RTU Gas / Electric Heating Systems at Full Capacity for a minimum of 20 Minutes to Burn Off any impurities on the heating section materials. Place Fire Alarm Panel in Test and Inform Store Management that burning odor may be present for a short time but is normal for new equipment at Start-up.

Completed

Verify that all RTU operational control set points have been set to Walgreens desired value Scroll through all setpoints and verify all have been set to Walgreens specifications.

Yes

Verify that all RTU option parameters are correct. Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software.

Yes

RTU - Verify & Confirm that Fire Alarm Panel has been taken out of Test and No Zones are signaling Trouble.

Yes

RTU UNIT INFORMATION

Location Other Than Roof

Rear

RTU Unit Number / Serves Store Area Description:

Rtu-6 stockroom

RTU Make:

York

RTU Manufacturer:

JCI

RTU Model Number:

Zj049e06d2b5bcb2r2

RTU Serial Number:

N2g2658138

RTU Cooling Tons:

3

Heating System:

Natural Gas

RTU Unit Name Plate Photo



RTU Walgreens Asset Tag Photo



Scan RTU Walgreens Asset Tag Barcode Number:

WG0000524530

JCI Warranty Registration Completed?

Yes

Installed Temperature Control Serving this Unit:

Gridpoint TS-102 / 3612 Sys.

RTU GENERAL INSPECTION

RTU Refrigeration System Checked for Gross Leaks Completed

RTU Terminal Screws and Wiring Connections Checked for Tightness Completed

Air Filters Installed Correctly and Clean Completed

Installed RTU Air Filter Photo



RTU Economizer Hoods Installed in Operating Position Completed

Installed RTU Economizer Photo



RTU Condensate Drain CostGard System Installed Properly Completed

RTU Condensate Drain Extended to Nearest Roof Drain Completed

Installed RTU Condensate Drain Photo



RTU Economizer Damper Linkage Tight Completed

Completed RTU Economizer Damper Linkage Photo



RTU Gas Heat Vent Hood Installed

N/A - Electric Heat or Heat Pump

All RTU Field Power Wiring Complete Completed

All RTU Field Power Wiring Photo



All RTU Field Control Wiring Complete

Completed

All RTU Field Control Wiring Photo



All RTU Field Natural Gas / Propane Piping Complete

N/A - Electric Heat or Heat Pump

RTU Gas Shut-Off Valve in ON Position

N/A - Electric Heat or Heat Pump

RTU Correctly Labeled on Exterior Using 4 inch x 2 inch Exterior Reflective Labels with RTU # Designation

Completed

RTU Label Photo



Seismic Adapter Clips Furnished and Installed on RTU

Yes

If Seismic Adapter Clips Furnished and Installed on RTU, take Photo



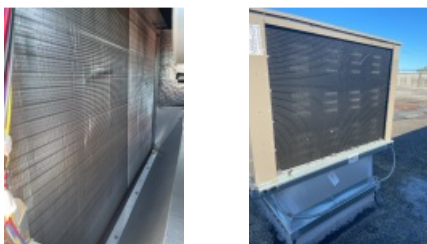
All 5 Sides of Installed Unit of RTU - Including Top with Condensor Fan Section.



Interior Pictures of RTU Blower Section, Power / Control Section, Heat Section, Compressor Section.



Complete / Clear Pictures of All RTU Condenser Coil and Evaporator Coil Surfaces.



All RTU Electric and Heat Utility Piping Through Roof and All Connections / Penetrations at the Unit.



Roof Areas Around RTU Unit Showing the Areas are Clean and Free of Any Debris or Damage Related to the Installation.



AIR MOVING INSPECTION

Alignment of RTU Drive Components

Completed

Alignment of RTU Drive Component Photo**Alignment of Blower Pulley Key Flush with End of Blower Shaft**

| | |
|--|-----------|
| RTU Belt Tension Adjusted Properly | Completed |
| RTU Blower Pulleys Tight on Shaft, Bearing Set Screws Tight, Wheel Tight to Shaft. | Completed |
| RTU Pressure Switch or Transducer Tubing Installed Properly | Completed |

EXHAUST INSPECTION

| | |
|---|----------|
| Exhaust Type | Powered |
| Check Hub for Tightness | Complete |
| Check Fan Blade for Clearance | N/A |
| Check for Proper Rotation | N/A |
| Check for Proper Mounting | Complete |
| Prove Operation by Increasing Minimum Setting on Economizer | Complete |

ECONOMIZER INSPECTION

| | |
|----------------------|----------|
| Economizer Type | Standard |
| C02 Sensor Installed | Complete |

Installed C02 Sensor Photo

| | |
|--|-------------------|
| Check Single Enthalpy Economizer Setting | Incomplete |
| Reheat / Indoor Humidity Sensor Location | Return Air at RTU |
| Reheat / Indoor Humidity Sensor Wired to RTU Control Board | Completed |

- Outdoor Humidity Sensor Wired to Economizer Control Board Completed
- Prove Economizer Open / Close Through PC or Control Module Completed

REHEAT MODE

- Set Reheat Mode to Alternate or Not Applicable Completed

RTU BLOWER INFORMATION

- RTU Blower Motor Rated HP 1.5
- RTU Blower Motor Rated FLA 5.2
- RTU Blower Motor Rated RPM 1725
- Check Proper Rotation of RTU Supply Fan Completed
- RTU Blower Motor Controlled by VFD No
- RTU Direct Drive Blower Motor No

RTU ELECTRICAL DATA - VOLTAGE

RTU Line Input Voltage 208-230 / 3 / 60

| Line Input Voltage | |
|--------------------|-----|
| L1 | 210 |
| L2 | 210 |
| L3 | 210 |

| | Nameplate | L1 | L2 | L3 |
|------------------|-----------|-----|-----|-----|
| Supply Fan Motor | 5.2 | 2.7 | 2.6 | 2.7 |
| Condenser Fan #1 | 1.65 | 1.2 | 1.3 | 1.2 |
| Compressor #1 | 13.8 | 5.9 | 6.1 | 6.2 |

| | Outside Air Temp | Return Air Temp | Mixed Air Temp | Supply Air Temp |
|------|------------------|-----------------|----------------|-----------------|
| F db | 87 | 72 | | 56 |

| | Discharge Pressure | Discharge Temp | Liquid Line Temp Befor LL Drier | Subcooling | Suction Pressure | Suction Temp. | Superheat |
|---------|--------------------|----------------|---------------------------------|------------|------------------|---------------|-----------|
| Stage 1 | 281 | 90 | | | 142 | 49 | |

RTU REFRIGERANT SAFETIES

- Prove RTU Compressor Rotation (3 phase only) by gauge pressure
 Completed
- Prove RTU High Pressure Safety, All Systems
 Completed
- Prove RTU Low Pressure Safety, All Systems
 Completed

RTU OPERATING MEASUREMENTS - GAS HEATING

Fuel Type: Natural Gas

- Prove RTU Primary Safety Operation
 Completed
- Prove RTU Auxiliary Safety Operation
 Completed

Prove RTU Smoke Detector Operation

 Completed

RTU OPERATING MEASUREMENTS - ELECTRIC HEATING

Electric Heat Installed Yes

Electric Heat Section Model # 1166418

Electric Heat Section Serial # C2200019

Electric Heater KW 4.5

Electric Heater Nameplate Voltage 208

| | Nameplate | L1 | L2 | L3 |
|---------|-----------|----|----|----|
| Stage 1 | 29.7 | | | |
| Stage 2 | 39.4 | | | |

OPERATIONAL MEASUREMENTS - STAGING CONTROLS

Create a RTU cooling demand at the Thermostat, BAS System or Simplicity PC Verify that cooling/economizer stages are energized. Yes

Create a RTU heating demand at the Thermostat, BAS System or Simplicity PC Verify that heating stages are energized. Yes

Verify that RTU motor speed modulates with duct pressure change. Yes

FINAL INSPECTION

Run All RTU Gas / Electric Heating Systems at Full Capacity for a minimum of 20 Minutes to Burn Off any impurities on the heating section materials. Place Fire Alarm Panel in Test and Inform Store Management that burning odor may be present for a short time but is normal for new equipment at Start-up. Completed

Verify that all RTU operational control set points have been set to Walgreens desired value Scroll through all setpoints and verify all have been set to Walgreens specifications. Yes

Verify that all RTU option parameters are correct. Scroll through all option parameters and ensure that all installed options are enabled in the software and all others are disabled in the software. Yes

RTU - Verify & Confirm that Fire Alarm Panel has been taken out of Test and No Zones are signaling Trouble. Yes