

**CERTIFICATION OF WORK
PREVENTIVE MAINTENANCE**

(To be completed by the Contractor and saved in the Contractor's CMMS)

FACID/Building: Pa051-227 Date of Visit: 3-27

Contractor Personnel on Site:

- | | |
|--------------------------|----------|
| 1. <u>Dominic Stango</u> | 3. _____ |
| 2. <u>Scott Kenders</u> | 4. _____ |

Work Performed:

Preventive Maintenance - Services Completed (Annual, Quarterly, Monthly, equipment identification, etc.)

1. WO# 7689
2. _____
3. _____
4. _____
5. _____

CERTIFICATION OF WORK

To be signed by the Contractor:

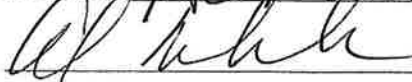
Print Name: Dominic Stango Date: 3-27-19

Signed: 

To be signed by Facility Manager:

By signing the Certification of Work, the said government representative signature does not constitute acceptance of any work performed by the contractor, it only acknowledges that the contractor was on-site during the identified timeline:

Print Name/Rank: AC [Signature] Date: 3/27/19

Signed: 

E-Mail: _____

**CERTIFICATION OF WORK
PREVENTIVE MAINTENANCE**

(To be completed by the Contractor and saved in the Contractor's CMMS)

FACID/Building: Pa051-227 Date of Visit: 3-21-19

Contractor Personnel on Site:

- | | |
|--------------------------|----------|
| 1. <u>Dominic Stango</u> | 3. _____ |
| 2. <u>Scott Renders</u> | 4. _____ |

Work Performed:

Preventive Maintenance - Services Completed (Annual, Quarterly, Monthly, equipment identification, etc.)

1. WO# 7694, 7178
2. _____
3. _____
4. _____
5. _____

CERTIFICATION OF WORK

To be signed by the Contractor:

Print Name: Dominic Stango Date: 3-27-19

Signed: 

To be signed by Facility Manager:

By signing the Certification of Work, the said government representative signature does not constitute acceptance of any work performed by the contractor, it only acknowledges that the contractor was on-site during the identified timeline:

Print Name/Rank: AC Plafie Date: 3/27/19

Signed: 

E-Mail: _____

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST **FAN COIL UNIT/ DUCTLESS MINI SPLIT**

SITE AND BLDG #: PA051-22701MECHANIC SIGNATURE: Scott Perdue DATE: 3/21/19LOCATION/RM #: IT WO# 7978 ASSET # 5154START TIME: 1230 FINISH TIME: 1

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ACTIONS (IF TASK COMPLETE IS CHECKED, NO. PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	<input checked="" type="checkbox"/>		
2	Schedule shutdown with operating personnel, as needed.	<input checked="" type="checkbox"/>		
3	As needed, de-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Follow lock out/tag out procedures at all times.	<input checked="" type="checkbox"/>		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Check fan blades for dust buildup and clean if necessary.	<input checked="" type="checkbox"/>		
2	When applicable, check fan blades and moving parts for cracks and excessive wear.	<input checked="" type="checkbox"/>		
3	Tighten all electrical connectors to proper torque as needed.	<input checked="" type="checkbox"/>		
4	Check that the fan runs properly in all speeds as applicable.	<input checked="" type="checkbox"/>		
5	Check dampers and rotating auto diffusers for dirt accumulations, clean as necessary. Check felt, repair or replace as necessary.	<input checked="" type="checkbox"/>		
6	Check damper actuators and linkage for proper operation as applicable. Adjust linkage on dampers if out of alignment.	<input checked="" type="checkbox"/>		
7	Lubricate mechanical connections of dampers sparingly as applicable.	<input checked="" type="checkbox"/>		
8	Check the valve(s) for signs of leakage and proper operation. If leak is detected, submit a UE.	<input checked="" type="checkbox"/>		
9	Clean coils by brushing, blowing, vacuuming, or pressure washing.	<input checked="" type="checkbox"/>		
10	Check coils for leaking, tightness of fittings.	<input checked="" type="checkbox"/>		
11	Use fin comb to straighten coil fins as needed.	<input checked="" type="checkbox"/>		
12	Check belts for wear and cracks, adjust tension or alignment as applicable. Replace belts when necessary.	<input checked="" type="checkbox"/>		
13	Check rigid couplings for alignment on direct drives, and for tightness of assembly	<input checked="" type="checkbox"/>		

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
14	Vacuum interior of unit.	X		
15	Check filter door for proper gasketing and air leaks. Correct as necessary.	X		
16	Change the filter as needed with the correct size and type filter.	X		
17	Insure that drain(s) are clear and running.	X		
18	Clean up work area.	X		

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed discription of the deficiency.

To be performed by: General Maintenance Worker

Additional Notes:

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST **FAN COIL UNIT/ DUCTLESS MINI SPLIT**

SITE AND BLDG #: PA051-22701MECHANIC
SIGNATURE: Scott KunklerDATE: 3/21/19LOCATION/RM #: IT WO# 7978 ASSET # 5155START TIME: 1FINISH TIME: 1:30

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ACTIONS (IF TASK COMPLETE IS CHECKED NO. PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	X		
2	Schedule shutdown with operating personnel, as needed.	X		
3	As needed, de-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work. Follow lock out/tag out procedures at all times.	X		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Check fan blades for dust buildup and clean if necessary.	X		
2	When applicable, check fan blades and moving parts for cracks and excessive wear.	X		
3	Tighten all electrical connectors to proper torque as needed.	X		
4	Check that the fan runs properly in all speeds as applicable.	X		
5	Check dampers and rotating auto diffusers for dirt accumulations, clean as necessary. Check felt, repair or replace as necessary.	X		
6	Check damper actuators and linkage for proper operation as applicable. Adjust linkage on dampers if out of alignment.	X		
7	Lubricate mechanical connections of dampers sparingly as applicable.	X		
8	Check the valve(s) for signs of leakage and proper operation. If leak is detected, submit a UE.	X		
9	Clean coils by brushing, blowing, vacuuming, or pressure washing.	X		
10	Check coils for leaking, tightness of fittings.	X		
11	Use fin comb to straighten coil fins as needed.	X		
12	Check belts for wear and cracks, adjust tension or alignment as applicable. Replace belts when necessary.	X		
13	Check rigid couplings for alignment on direct drives, and for tightness of assembly	X		

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
14	Vacuum interior of unit.	X		
15	Check filter door for proper gasketing and air leaks. Correct as necessary.	X		
16	Change the filter as needed with the correct size and type filter.	X		
17	Insure that drain(s) are clear and running.	X		
18	Clean up work area.	X		

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed description of the deficiency.

To be performed by: General Maintenance Worker

Additional Notes:

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST OUTDOOR CONDENSING UNIT

SITE AND BLDG #: Pa 051-227

MECHANIC
SIGNATURE: 

DATE: 3-21-19

LOCATION/RM #: Outside WO# 7978 ASSET # 528

START TIME: 1:30

FINISH TIME: 1:45

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	✓		
2	Schedule outage of unit with personnel in area the unit serves.	✓		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	✓		
4	If disposal of the equipment is required, follow regulations concerning removal of refrigerants and disposal of the unit.	✓		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Remove debris from air screen and clean underneath unit.	✓		
2	Wash coil with coil cleaning solution - Rinse Thoroughly	✓		
3	Straighten fin tubes with fin comb, as needed.	✓		
4	Check electrical connections for tightness.	✓		
5	Check mounting base for tightness.	✓		
6	Inspect fans for bent blades, unbalance, excessive noise and vibrations.	✓		
7	Inspect all piping for leaks and tighten loose connections.	✓		
8	Check wires at condenser electrical fused safety switches for tightness and burned insulation. Repair as necessary.	✓		
9	Check supply air temperature to ensure unit is operating properly. If possible record room temperature.	✓		
10	Inspect unit for overall condition and recommend for replacement or other needed repairs.	✓		
11	Clean up work area.	✓		

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST

DDC CONTROLLER -HVAC Control Panel

SITE AND BLDG #: Pa051-22761 MECHANIC SIGNATURE: Scott Kerscher DATE: 3/27/19

LOCATION/RM #: MECH WO# 7978 ASSET # 5286 START TIME: 11 FINISH TIME: 1110

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	X		
2	Read and understand the manufacturer's instructions before making any adjustments or calibrations.	X		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	X		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Obtain username and password for login. If not available, contact appropriate company manager to obtain access.	X		
2	Login into system, check for any alarms currently on system. Make necessary repairs to correct alarms back to normal state.	X		
3	Check physical condition of the device. Shut off power to the unit. Vacuum any remaining dust. Turn power back on to the unit.	N/A		Power not TURNED OFF
4	Check electrical power connections including incoming line voltage.	X		
5	Check all fuses for evidence of heating or weakening.	X		
6	Check inputs and outputs on DDC/PLC check input and outputwiring connections for tightness very carefully.	X		
7	If applicable, check relays for burnt contact points.	X		
8	Check all point labels are correct and up to date, if applicable.	X		
9	Check all plug connections in the panel to ensure the plugs are fully seated.	X		

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST

DDC CONTROLLER -HVAC Control Panel

SITE AND BLDG #: PA051-22701

MECHANIC
SIGNATURE: Scott Keveldus

DATE: 3/27/19

LOCATION/RM #: MECH WO# 7978 ASSET # 5257

START TIME: 1115

FINISH TIME: 1125

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	X		
2	Read and understand the manufacturer's instructions before making any adjustments or calibrations.	X		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	X		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Obtain username and password for login. If not available, contact appropriate company manager to obtain access.	X		
2	Login into system, check for any alarms currently on system. Make necessary repairs to correct alarms back to normal state.	X		
3	Check physical condition of the device. Shut off power to the unit. Vacuum any remaining dust. Turn power back on to the unit.	N/A		Power NOT TURNED OFF
4	Check electrical power connections including incoming line voltage.	X		
5	Check all fuses for evidence of heating or weakening.	X		
6	Check inputs and outputs on DDC/PLC check input and output wiring connections for tightness very carefully.	X		
7	If applicable, check relays for burnt contact points.	X		
8	Check all point labels are correct and up to date, if applicable.	X		
9	Check all plug connections in the panel to ensure the plugs are fully seated.	X		

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST

DDC CONTROLLER -HVAC Control Panel

SITE AND BLDG #: PA051-22701

MECHANIC

SIGNATURE: Scott Kordela

DATE: 3/27/19

LOCATION/RM #: MECH WO# 7978 ASSET # 5333

START TIME: 11 25

FINISH TIME: 11 35

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	X		
2	Read and understand the manufacturer's instructions before making any adjustments or calibrations.	X		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	X		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Obtain username and password for login. If not available, contact appropriate company manager to obtain access.	X		
2	Login into system, check for any alarms currently on system. Make necessary repairs to correct alarms back to normal state.	X		
3	Check physical condition of the device. Shut off power to the unit. Vacuum any remaining dust. Turn power back on to the unit.	X		POWER LEFT ON PANEL WIPE
4	Check electrical power connections including incoming line voltage.	X		
5	Check all fuses for evidence of heating or weakening.	X		
6	Check inputs and outputs on DDC/PLC check input and output wiring connections for tightness very carefully.	X		
7	If applicable, check relays for burnt contact points.	X		
8	Check all point labels are correct and up to date, if applicable.	X		
9	Check all plug connections in the panel to ensure the plugs are fully seated.	X		

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed description of the deficiency.

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST

DDC CONTROLLER -HVAC Control Panel

SITE AND BLDG #: PA051-22701

MECHANIC SIGNATURE: Scott Vuckas

DATE: 3/27/19

LOCATION/RM #: MECHWO# 7A78 ASSET # 5334

START TIME: 1135

FINISH TIME: 1145

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
SPECIAL INSTRUCTIONS				
1	In addition to the procedure(s) outlined in this standard, the equipment manufacturer's recommended maintenance procedure(s) and/or instruction(s) shall be strictly adhered to.	X		
2	Read and understand the manufacturer's instructions before making any adjustments or calibrations.	X		
3	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	X		
TO BE PERFORMED AT EACH INSPECTION SERVICE				
1	Obtain username and password for login. If not available, contact appropriate company manager to obtain access.	X		
2	Login into system, check for any alarms currently on system. Make necessary repairs to correct alarms back to normal state.	X		
3	Check physical condition of the device. Shut off power to the unit. Vacuum any remaining dust. Turn power back on to the unit.	X		PANEL WIPED OUT
4	Check electrical power connections including incoming line voltage.	X		
5	Check all fuses for evidence of heating or weakening.	X		
6	Check inputs and outputs on DDC/PLC check input and output wiring connections for tightness very carefully.	X		
7	If applicable, check relays for burnt contact points.	X		
8	Check all point labels are correct and up to date, if applicable.	X		
9	Check all plug connections in the panel to ensure the plugs are fully seated.	X		

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For any deficiencies found exceeding \$250 open a corrective maintenance (CM) ticket and include the Asset #, WO #, photos, and a detailed description of the deficiency.