

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

FACID/Building: PA 011

Date of Visit: 3-8-19

Contractor Personnel on Site:

1. Tony Lazarus
2. Jim Geertgen
3. Scott Wain

4. _____
5. _____
6. _____

Work Performed:

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

1. 7688
2. 7771
3. 7991
4. 7820

CERTIFICATION OF WORK

To be signed by the Contractor:

Print Name: Jim Geertgen

Date: 3-8-19

Signed: [Signature]

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: De la Cruz Ramon E.

Date: 2019 03 08

Signed: [Signature]

E-Mail:

OTHER RECURRING SERVICES CERTIFICATION OF WORK
(To be completed by the Contractor and saved in the Contractor's CMMS)

FACID/Building: P2011

Date of Visit: 3/8/19

Contractor Personnel on Site:

1. Tony Green
2. Jim Geertgens
3. Scott Green

4. _____
5. _____
6. _____

Work Performed:

Other Recurring Services

1. 7619
2. _____
3. _____
4. _____

CERTIFICATION OF WORK

To be signed by the Contractor:

Print Name: Jim Geertgens

Date: 3-8-19

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: De la Cruz Ramon E

Date: 20190308

Signed: _____

E-Mail: _____

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST FAN COIL UNIT/ DUCTLESS MINI SPLIT

SITE AND BLDG #:

P-011-01

MECHANIC

SIGNATURE:

DATE:

3/8/19

LOCATION/RM #:

107

WO#

7881

ASSET #

578

START TIME:

800

FINISH TIME:

810

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
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 shutdown with operating personnel, as needed.		/	
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.		/	
1	Check fan blades for dust buildup and clean if necessary.		/	
2	When applicable, check fan blades and moving parts for cracks and excessive wear.		N/A	
3	Tighten all electrical connectors to proper torque as needed.		N/A	
4	Check that the fan runs properly in all speeds as applicable.	/		
5	Check dampers and rotating auto diffusers for dirt accumulations, clean as necessary. Check felt, repair or replace as necessary.	/		
6	Check damper actuators and linkage for proper operation as applicable. Adjust linkage on dampers if out of alignment.	/		
7	Lubricate mechanical connections of dampers sparingly as applicable.		N/A	
8	Check the valve(s) for signs of leakage and proper operation. If leak is detected, submit a UE.	/		
9	Clean coils by brushing, blowing, vacuuming, or pressure washing.	/		
10	Check coils for leaking, tightness of fittings.	/		
11	Use fin comb to straighten coil fins as needed.		N/A	

K00-046CMI Management Inc.

- 12 Check belts for wear and cracks, adjust tension or alignment as applicable. Replace belts when necessary.
- 13 Check rigid couplings for alignment on direct drives, and for tightness of assembly.
- 14 Vacuum interior of unit.
- 15 Check filter door for proper gasketing and air leaks. Correct as necessary.
- 16 Change the filter as needed with the correct size and type filter.
- 17 Insure that drain(s) are clear and running.
- 18 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 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:

mini split

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST FAN COIL UNIT/ DUCTLESS MINI SPLIT

SITE AND BLDG #:

P 011-01

MECHANIC

SIGNATURE:



DATE:

3/8/12

LOCATION/RM #:

109

WO#

7991

ASSET #

5182

START TIME:

910

FINISH TIME:

920

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
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 shutdown with operating personnel, as needed.		/	
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.		/	
1	Check fan blades for dust buildup and clean if necessary.		NA	
2	When applicable, check fan blades and moving parts for cracks and excessive wear.		NA	
3	Tighten all electrical connectors to proper torque as needed.			
4	Check that the fan runs properly in all speeds as applicable.	/		
5	Check dampers and rotating auto diffusers for dirt accumulations, clean as necessary. Check felt, repair or replace as necessary.	/		
6	Check damper actuators and linkage for proper operation as applicable. Adjust linkage on dampers if out of alignment.	/		
7	Lubricate mechanical connections of dampers sparingly as applicable.		NA	
8	Check the valve(s) for signs of leakage and proper operation. If leak is detected, submit a UE.	/		
9	Clean coils by brushing, blowing, vacuuming, or pressure washing.	/		
10	Check coils for leaking, tightness of fittings.	/		
11	Use fin comb to straighten coil fins as needed.		NA	

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12. Check belts for wear and cracks, adjust tension or alignment as applicable. Replace belts when necessary.
13. Check rigid couplings for alignment on direct drives, and for tightness of assembly.
14. Vacuum interior of unit.
15. Check filter door for proper gasketing and air leaks. Correct as necessary.
16. Change the filter as needed with the correct size and type filter.
17. Insure that drain(s) are clear and running.
18. Clean up work area.

NA

NA

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For 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:

mini split

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST FAN COIL UNIT/ DUCTLESS MINI SPLIT

SITE AND BLDG #: *Pr G11-01*

MECHANIC

SIGNATURE: *[Signature]*DATE: *3/8/17*LOCATION/RM #: *112*WO# *7981*ASSET # *5184*START TIME: *920*FINISH TIME: *930*

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
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 shutdown with operating personnel, as needed.			
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.			
1	Check fan blades for dust buildup and clean if necessary.			
2	When applicable, check fan blades and moving parts for cracks and excessive wear.			<i>NA</i>
3	Tighten all electrical connectors to proper torque as needed.			<i>NA</i>
4	Check that the fan runs properly in all speeds as applicable.			
5	Check dampers and rotating auto diffusers for dirt accumulations, clean as necessary. Check felt, repair or replace as necessary.			
6	Check damper actuators and linkage for proper operation as applicable. Adjust linkage on dampers if out of alignment.			
7	Lubricate mechanical connections of dampers sparingly as applicable.			<i>NA</i>
8	Check the valve(s) for signs of leakage and proper operation. If leak is detected, submit a UE.			
9	Clean coils by brushing, blowing, vacuuming, or pressure washing.			
10	Check coils for leaking, tightness of fittings.			
11	Use fin comb to straighten coil fins as needed.			<i>NA</i>

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- 12 Check belts for wear and cracks, adjust tension or alignment as applicable. Replace belts when necessary.
- 13 Check rigid couplings for alignment on direct drives, and for tightness of assembly
- 14 Vacuum interior of unit.
- 15 Check filter door for proper gasketing and air leaks. Correct as necessary.
- 16 Change the filter as needed with the correct size and type filter.
- 17 Insure that drain(s) are clear and running.
- 18 Clean up work area.

*NA**NA*

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For 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:

M121 split

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST FAN COIL UNIT/ DUCTLESS MINI SPLIT

SITE AND BLDG #:

P-011-01

MECHANIC
SIGNATURE:


LOCATION/RM #:

113

WO#

7991

ASSET #

5727

START TIME:

830

DATE:

3/8/19

FINISH TIME:

940

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	

- 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 shutdown with operating personnel, as needed.
- 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.

- 1 Check fan blades for dust buildup and clean if necessary.
- 2 When applicable, check fan blades and moving parts for cracks and excessive wear.
- 3 Tighten all electrical connectors to proper torque as needed.
- 4 Check that the fan runs properly in all speeds as applicable.
- 5 Check dampers and rotating auto diffusers for dirt accumulations, clean as necessary. Check felt, repair or replace as necessary.
- 6 Check damper actuators and linkage for proper operation as applicable. Adjust linkage on dampers if out of alignment.
- 7 Lubricate mechanical connections of dampers sparingly as applicable.
- 8 Check the valve(s) for signs of leakage and proper operation. If leak is detected, submit a UE.
- 9 Clean coils by brushing, blowing, vacuuming, or pressure washing.
- 10 Check coils for leaking, tightness of fittings.
- 11 Use fin comb to straighten coil fins as needed.

N/A

N/A

N/A

N/A

K00-046CMI Management Inc.

- 12 Check belts for wear and cracks, adjust tension or alignment as applicable. Replace belts when necessary.
- 13 Check rigid couplings for alignment on direct drives, and for tightness of assembly.
- 14 Vacuum interior of unit.
- 15 Check filter door for proper gasketing and air leaks. Correct as necessary.
- 16 Change the filter as needed with the correct size and type filter.
- 17 Insure that drain(s) are clear and running.
- 18 Clean up work area.

N/A

N/A

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For 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

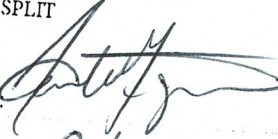
Additional Notes:

mini split

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST FAN COIL UNIT/ DUCTLESS MINI SPLIT

SITE AND BLDG #:

Pc 011-01

MECHANIC
SIGNATURE:


DATE:

3/8/19

LOCATION/RM #:

118

WO#

7991

ASSET #

5188

START TIME:

940

FINISH TIME:

950

CHECK POINT	CHECKPOINT DESCRIPTION	TASK COMPLETE		NOTES/ ACTIONS (IF TASK COMPLETE IS CHECKED NO, PROVIDE EXPLANATION)
		YES	NO	
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 shutdown with operating personnel, as needed.		—	
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.		—	
1	Check fan blades for dust buildup and clean if necessary.		NA	
2	When applicable, check fan blades and moving parts for cracks and excessive wear.		NA	
3	Tighten all electrical connectors to proper torque as needed.	—		
4	Check that the fan runs properly in all speeds as applicable.	—		
5	Check dampers and rotating auto diffusers for dirt accumulations, clean as necessary. Check felt, repair or replace as necessary.	—		
6	Check damper actuators and linkage for proper operation as applicable. Adjust linkage on dampers if out of alignment.	—	NA	
7	Lubricate mechanical connections of dampers sparingly as applicable.	—		
8	Check the valve(s) for signs of leakage and proper operation. If leak is detected, submit a U.E.	—		
9	Clean coils by brushing, blowing, vacuuming, or pressure washing.	—		
10	Check coils for leaking, tightness of fittings.		NA	
11	Use fin comb to straighten coil fins as needed.			

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- 12 Check belts for wear and cracks, adjust tension or alignment as applicable. Replace belts when necessary.
- 13 Check rigid couplings for alignment on direct drives, and for tightness of assembly.
- 14 Vacuum interior of unit.
- 15 Check filter door for proper gasketing and air leaks. Correct as necessary.
- 16 Change the filter as needed with the correct size and type filter.
- 17 Insure that drain(s) are clear and running.
- 18 Clean up work area.

NA

NA

Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) per PM occurrence. For 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

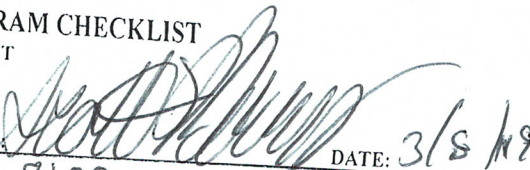
Additional Notes:

Mini split

PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST OUTDOOR CONDENSING UNIT

SITE AND BLDG #:

P-011-01

MECHANIC
SIGNATURE


DATE: 3/8/19

LOCATION/RM #:

OUTSIDE
11373

WO# 7991

ASSET # 5232

START TIME: 8:00

FINISH TIME: 8:15

CHECK NO.	CHECKPOINT DESCRIPTION	STATUS		NOTES/ACTIONS
		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.	✓		N/A Too cold to run 10°
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.

To be performed by: HVAC Technician

Additional Notes:

mini split CU