

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

FACID/Building: WV 053

Date of Visit: 4/2/19

Contractor Personnel on Site:

- |                        |                        |
|------------------------|------------------------|
| 1. <u>Tony Lano</u>    | 4. <u>Gary Beirzel</u> |
| 2. <u>Jim Geertjes</u> | 5. _____               |
| 3. <u>Scott Wern</u>   | 6. _____               |

Work Performed:

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

- |  |  |
|--|--|
| 1. <u>8234</u>                                     |  |
| 2. <u>8307</u>                                     |  |
| 3. <u>8271</u>                                     |  |
| 4. <u>DEFICIENCY - TRANE TRACER System OFFLINE</u> |  |

CERTIFICATION OF WORK

To be signed by the Contractor:

Print Name: Jim Geertjes Date: 4-2-19

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: Don Shumaker Date: 2 Apr 19

Signed: [Signature]

E-Mail: Don.Shumaker@...

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

FACID/Building: WV 053

Date of Visit: 4/2/19

Contractor Personnel on Site:

1. Tony Green  
2. Jim Geertgen  
3. Jeff Wern

4. Gary Betzel  
5. \_\_\_\_\_  
6. \_\_\_\_\_

Work Performed:

Other Recurring Services

1. 8337  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

CERTIFICATION OF WORK

To be signed by the Contractor:

Print Name: Jim Geertgen

Date: 4-2-19

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: Don Showalter

Date: 2 Apr 19

Signed: \_\_\_\_\_

E-Mail: Donald.L.Showalter@mil.af.mil

# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST THERMOSTATS

SITE AND BLDG #: WV 053-02

LOCATION/ROOM #: Garage WO# 8302 ASSET # 5985

MECHANIC  
SIGNATURE: [Signature]

DATE: 4/2/19

START TIME: 800

FINISH TIME: 805

CHECKS		COMMENTS	
NO.	DESCRIPTION	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.		
2	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.	<input checked="" type="checkbox"/>	
1	If EMS (Energy Management System) exists, run the manufacturer's diagnostic software for the wireless system. This diagnostic shall produce a report of all functional aspects of the wireless system indicating faults that should be addressed in this maintenance.		
2	Review all zone set points at the server.	<input checked="" type="checkbox"/>	
3	Inspect thermostat installation, ensure mounting is correct, fastened secure and that the thermostat is not blocked by equipment generating heat or furniture blocking air circulation.	<input checked="" type="checkbox"/>	
4	Remove thermostat cover and lightly blow away any accumulated dust with canned low pressure air.	<input checked="" type="checkbox"/>	
5	Check time-of-day schedule to confirm consistency with facility operation.	<input checked="" type="checkbox"/>	
6	Adjust schedule as needed.		
	If applicable, replace battery as needed.	<u>NA</u>	<u>NA</u>

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:

Set

70

Actual 67.8

B/K



# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST THERMOSTATS

SITE AND BLDG #: WV 053 -03

LOCATION/RM #: Garage WO# 8302 ASSET # 5996

MECHANIC

SIGNATURE: *[Signature]*

DATE: 8/2/18

START TIME: 805

FINISH TIME: 810

CHECKLIST DESCRIPTION		YES		NO		REMARKS/ACTIONS	
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.						
2	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.						
TO BE PERFORMED AT EACH INSPECTION SERVICE							
1	If EMS (Energy Management System) exists, run the manufacturers diagnostic software for the wireless system. This diagnostic shall produce a report of all functional aspects of the wireless system indicating faults that should be addressed in this maintenance.						
2	Review all zone set points at the server.						
3	Inspect thermostat installation; ensure mounting is correct, fastened secure and that the thermostat is not blocked by equipment generating heat or furniture blocking air circulation.						
4	Remove thermostat cover and lightly blow away any accumulated dust with canned low pressure air.						
5	Check time-of-day schedule to confirm consistency with facility operation. Adjust schedule as needed.						
6	If applicable, replace battery as needed.						

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:

Set to 70 Return 72.6

BLK

# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST THERMOSTATS

SITE AND BLDG #: WU053-02

LOCATION/RM #: Garage WO# 8302

ASSET # 5887

MECHANIC  
SIGNATURE: *[Signature]*

DATE: 4/2/19

START TIME: 8:10

FINISH TIME: 8:15

CHECK (YES/NO)		DESCRIPTION	DATE	INITIALS
<b>SPECIAL INSTRUCTIONS</b>				
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.		
2		Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.		
<b>TO BE PERFORMED AT EACH INSPECTION SERVICE</b>				
1		If EMS (Energy Management System) exists, run the manufacturers diagnostic software for the wireless system. This diagnostic shall produce a report of all functional aspects of the wireless system indicating faults that should be addressed in this maintenance.		
2		Review all zone set points at the server.		
3		Inspect thermostat installation; ensure mounting is correct, fastened secure and that the thermostat is not blocked by equipment generating heat or furniture blocking air circulation.		
4		Remove thermostat cover and lightly blow away any accumulated dust with canned low pressure air.		
5		Check time-of-day schedule to confirm consistency with facility operation. Adjust schedule as needed.		
6		If applicable, replace battery as needed.		

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:

Ser 65 Perunc 69

BK



# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST THERMOSTATS

STATE AND BLDG #: WU 053-02  
LOCATION/RM #: Garage WO# 8302 ASSET # 5998

MECHANIC SIGNATURE: [Signature] DATE: 4/2/19  
START TIME: 820 FINISH TIME: 528

ASSET #	DATE	START TIME	FINISH TIME
0150	4/10/11	8:20	5:28
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.		
2	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.		
TO BE PERFORMED BY			
1	If EMS (Energy Management System) exists, run the manufacturers diagnostic software for the wireless system. This diagnostic shall produce a report of all functional aspects of the wireless system indicating faults that should be addressed in this maintenance.		
2	Review all zone set points at the server.		
3	Inspect thermostat installation; ensure mounting is correct, fastened secure and that the thermostat is not blocked by equipment generating heat or furniture blocking air circulation.		
4	Remove thermostat cover and lightly blow away any accumulated dust with canned low pressure air.		
5	Check time-of-day schedule to confirm consistency with facility operation. Adjust schedule as needed.		
6	If applicable, replace battery as needed.		
Note: The technician shall perform any repairs identified during PM up to \$250 (direct labor and direct material cost) as PM exceeding \$250 open a corrective maintenance (CM) ticket and include the Asst. Dir. To be performed by: HVAC Technician			

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:

See 68

Per unit 67, 4

B/C

# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST THERMOSTATS

SITE AND BLDG #: WU053-02

LOCATION/RM #: 200 WO# 8302 ASSET # 6037

MECHANIC  
SIGNATURE: *[Signature]*

DATE: 4/2/19

START TIME: 830

FINISH TIME: 830

CHECK (YES/NO)	CHECK/REPAIR/RECOMMENDATION	TO BE PERFORMED AT EACH INSPECTION SERVICE	
		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.		
2	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.		✓
1	If EMS (Energy Management System) exists, run the manufacturers diagnostic software for the wireless system. This diagnostic shall produce a report of all functional aspects of the wireless system indicating faults that should be addressed in this maintenance.		✓
2	Review all zone set points at the server.		✓
3	Inspect thermostat installation; ensure mounting is correct, fastened secure and that the thermostat is not blocked by equipment generating heat or furniture blocking air circulation.		✓
4	Remove thermostat cover and lightly blow away any accumulated dust with canned low pressure air.	✓	
5	Check time-of-day schedule to confirm consistency with facility operation. Adjust schedule as needed.	✓	
6	If applicable, replace battery as needed.		MS UP

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:

See 70

ACR-10 &gt; 4.4

BIC



# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST THERMOSTATS

SITE AND BLDG #: WU053-02

LOCATION/RM #: HVAC WOH 93.2 ASSET # 6039

MECHANIC  
SIGNATURE: *[Signature]*

DATE: 4/2/19

START TIME: 8:30

FINISH TIME: 8:35

CHECK NO.		DESCRIPTION	YES	NO	NOTES/EXCEPTIONS
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.			
2		Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.		✓	
<b>TO BE PERFORMED AT EACH INSPECTION SERVICE</b>					
1		If EMS (Energy Management System) exists, run the manufacturers diagnostic software for the wireless system. This diagnostic shall produce a report of all functional aspects of the wireless system indicating faults that should be addressed in this maintenance.		✓	
2		Review all zone set points at the server.		✓	
3		Inspect thermostat installation; ensure mounting is correct, fastened secure and that the thermostat is not blocked by equipment generating heat or furniture blocking air circulation.		✓	
4		Remove thermostat cover and lightly blow away any accumulated dust with canned low pressure air.		✓	
5		Check time-of-day schedule to confirm consistency with facility operation. Adjust schedule as needed.		✓	
6		If applicable, replace battery as needed.		✓	

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: HVAC Technician

Additional Notes:

Ser 75

105-12 74.6

BK



# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST THERMOSTATS

SITE AND BLDG #: WV053-02

LOCATION/RM #: 209

WO# 8302

ASSET # 6043

MECHANIC  
SIGNATURE: *[Signature]*

DATE: 4/2/19

START TIME: 835

FINISH TIME: 840

ITEM NO.	DESCRIPTION	COMPLETION STATUS		REMARKS/NOTES
		YES	NO	
1	In addition to the procedure(s) outlined in this standard, the equipment shall be strictly adhered.			
2	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.			
<b>TO BE PERFORMED AT EACH INSPECTION SERVICE</b>				
1	If EMS (Energy Management System) exists, run the manufacturers diagnostic software for the wireless system. This diagnostic shall produce a report of all functional aspects of the wireless system indicating faults that should be addressed in this maintenance.			
2	Review all zone set points at the server.			
3	Inspect thermostat installation; ensure mounting is correct, fastened secure and that the thermostat is not blocked by equipment generating heat or furniture blocking air circulation.			
4	Remove thermostat cover and lightly blow away any accumulated dust with canned low pressure air.			
5	Check time-of-day schedule to confirm consistency with facility operation. Adjust schedule as needed.			
6	If applicable, replace battery as needed.			

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:

Ser 72

Actual 75.5

BK

# PREVENTATIVE MAINTENANCE PROGRAM CHECKLIST THERMOSTATS

SITE AND BLDG #: WU 053 -02

LOCATION/RM #: 215 WO# 8302 ASSET # 6046

MECHANIC  
SIGNATURE: *[Signature]*

DATE: 4/2/19

START TIME: 8:45

FINISH TIME: 8:45

CHECKLIST		SPEC. INSTRUCTIONS		TO BE PERFORMED DATE		CHECK INSPECTION SERVICE	
NO.	DESCRIPTION	YES	NO	DATE	BY	DATE	BY
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.						
2	Follow lock out/tag out procedures at all times. De-energize or discharge all hydraulic, electrical, mechanical, or thermal energy prior to beginning work.						
1	If EMS (Energy Management System) exists, run the manufacturers diagnostic software for the wireless system. This diagnostic shall produce a report of all functional aspects of the wireless system indicating faults that should be addressed in this maintenance.						
2	Review all zone set points at the server.						
3	Inspect thermostat installation; ensure mounting is correct, fastened secure and that the thermostat is not blocked by equipment generating heat or furniture blocking air circulation.						
4	Remove thermostat cover and lightly blow away any accumulated dust with canned low pressure air.						
5	Check time-of-day schedule to confirm consistency with facility operation. Adjust schedule as needed.						
6	If applicable, replace battery as needed.						

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:

SUT

68

ACF-m

73.9

BK