

F21: RI WAP/IES HEATING SYSTEM EVALUATION REPORT

11.18.16

Every weatherized dwelling in RI shall have all HVAC systems evaluated by a licensed HVAC technician (limitations apply). HVAC evaluations and related services provided under the RIWAP, shall comply with the American National Standards Institute/Air Conditioning Contractors of America (ACCA) Standard-4 (2008). An RIWAP HVAC Evaluation Report shall be completed by a technician in conjunction with every evaluation performed and shall accompany any request for payment. RIWAP shall define an Evaluation as incorporating all Inspection, Maintenance, and Testing procedures mandated by ACCA Standard-4, as applicable per system type.

I. Job Information. All fields required.

Client Name: _____
Street Address: _____
City, Zip Code: _____
Technician Name: CARI PECECHIN

Job Number: # 2935
Date Assigned: _____
Company Name: CARI PECECHIN NTG

II. System Identification. All fields required.

No. of Primary Systems Present: _____ No. of Unvented Space Heaters Present: _____
No. of Supplemental Systems Present _____
Are Unvented Space Heaters the Primary Heat Source? Yes No

Old Unit: Check all that apply

- Electric
- Natural Gas
- Propane
- Oil
- Kerosene
- Solid Fuel (Wood, Coal, Pellet)
- Forced Air
- Gravity
- Boiler
- Space Heater
- Unvented Space Heater
- Water Heater

*gas FHW
1st Fl*

Brand/Trade Name Burnham
Model No. P5 W22AN
Serial No. 7635416
Date Manufactured 1976
System Size 124,000 btu/ton/other
Location Boscman

New Unit: Check all that apply

- Electric
- Natural Gas
- Propane
- Oil
- Kerosene
- Solid Fuel (Wood, Coal, Pellet)
- Forced Air
- Gravity
- Boiler
- Space Heater
- Unvented Space Heater
- Water Heater

Brand/Trade Name _____
Model No. _____
Serial No. _____
Date Manufactured _____
System Size _____ btu/ton/other
Location _____

COMPLETE FOR ALL VENTED FUEL-FIRED SYSTEMS

Ambient CO _____ ppm
 Spillage Test Pass Fail Not applicable
 Worst case CAZ _____ Pa
 Draft (at worst case) _____ Pa
 Ambient Temperature _____ °F
 CAZ volume (if applicable) _____ ft³
 Additional venting needed _____ in²
 Pressure switch _____ Pass Fail Not applicable

Before

Steady state efficiency _____ %
 CO _____ ppm
 O₂ _____ %
 CO₂ _____ %
 Stack Temperature _____ °F

After

Steady state efficiency _____ %
 CO _____ ppm
 O₂ _____ %
 CO₂ _____ %
 Stack Temperature _____ °F

IV. Declaration of System Compliance: Official summary of conditions post-Evaluation

System No. 1

Passes

Fails

System No. 2

Passes

Fails

Provide a detailed description of deficiencies identified in each failed system (continue on back if additional space is needed):

Found The fire wall on RT Side of Boiler was Burned out - circulator, gas valve, extrol and feed valve all need replacing. I shut off electric to the boiler to make sure it would not run for safety reasons.
 Recommend install gas boiler, 1 zone complete to local codes.

COMPLETE FOR ALL VENTED SPACE HEATERS

System 1

<u>Description</u>	<u>Condition/Action Taken</u>			
	FP	NR	RR	CP
Burners				
Vent connectors				
Condition of liner				
Gas leak(s)?		Yes	No	
Evidence of flame rollout?		Yes	No	
Clearance from combustibles?		Pass	Fail	
Vent type correct for furnace?		Yes	No	
Vent meets code (1/4" rise per ft)		Yes	No	
Chimney lined?		Yes	No	
Numbers of elbows in vent system? _____				

System 2

<u>Description</u>	<u>Condition/Action Taken</u>			
	FP	NR	RR	CP
Burners				
Vent connectors				
Condition of liner				
Gas leak(s)?		Yes	No	
Evidence of flame rollout?		Yes	No	
Clearance from combustibles?		Pass	Fail	
Vent type correct for furnace?		Yes	No	
Vent meets code (1/4" rise per ft)		Yes	No	
Chimney lined?		Yes	No	
Numbers of elbows in vent system? _____				

COMPLETE FOR HYDRONIC LOOP BOILERS

<u>Description</u>	<u>Condition/Action Taken</u>			
	FP	NR	RR	CP
Pressure reducing valve				
Bladder expansion tank				
Water pump				
Condition of plumbing				

III. System Evaluation: Record results of Inspection, Maintenance, and Testing completed on each system type/component.

FP = Functioning Properly
 RR = Replacement Recommended

NR = Needs Repair
 CP = Cleaning Performed

COMPLETE FOR ALL SYSTEMS AS APPLICABLE

<u>Description</u>	<u>Condition/Action Taken</u>			
	FP	NR	RR	CP
Controls and thermostat				
Electrical Disconnect				
Electrical Connections				
Cabinet/fasteners/panels				
Temperature rise _____ °F				
Filter(s)				
Registers and duct boots				
Zone controls and dampers				
Main trunk line				
Duct insulation				
Fan belt tension				
Blower assembly				
Contacts/relays/capacitors				
Fan on/off temperatures _____ °F _____ °F				

COMPLETE FOR CENTRAL ELECTRIC SYSTEMS

<u>Description</u>	<u>Condition/Action Taken</u>			
	FP	NR	RR	CP
Variable frequency drive				
Airflow across element(s)				
Air handler				
Element(s)				

COMPLETE FOR NATURAL GAS AND PROPANE FURNACES

<u>Description</u>	<u>Condition/Action Taken</u>			
	FP	NR	RR	CP
Gas leaks	✓			
Burner (corrosion, etc)				
Burner test	✓	✓		
Burner blow wheel				
Main burner ignition			✓	
Heat exchanger			✓	
Hot surface ignition			✓	
Combustion chamber				
Burner gaskets				
Inlet gas pressure				
Manifold pressure				
Condition of chimney				
Condensate piping/drain				
Combustion air intake				
Vent connectors				
90+ unit pipe condition				
Evidence of flame rollout?	Yes	No		
Chimney lined?	Yes	No		
Distance from combustibles	Pass	Fail		
Vent system code compliant	Yes	No		
Fuel Usage (clock meter) _____				therms/h
Is usage within 10% of nameplate?	Yes	No		
Cu. Ft. of Utility Area: _____				
Make-up air required?	Yes	No		
Liner required?	Yes	No		