F21: RI WAP/IES Heating System Evaluation Report

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: RAMON G LANTIGUA

Job Number: #2934
Date Assigned: _____
Company Name: _____

II. System Identification. All fields required.

No. of Primary Systems Present: 1 No. of Unvented Space Heaters Present: 0
No. of Supplemental Systems Present 0
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

Oil steam w/ indirect

Brand/Trade Name US
Model No. N/A
Serial No. 12-B-4
Date Manufactured 1950
System Size _____ btu/ton/other
Location BASEMENT

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 BASEMENT

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

Description	Condition/Action Taken			
	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

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

COMPLETE FOR OIL FURNACES

Description	Condition/Action Taken			
	FP	NR	RR	CP
Combustion chamber	☐	☐	■	☐
Burner gaskets	☐	☐	■	☐
Retention head	☐	☐	■	☐
Ceramic insulation	☐	☐	■	☐
Electrode positioning	☐	☐	☐	☐
Clean combustion air inlet	☐	☐	☐	☐
Burner head/nozzle	☐	☐	☐	☐
Vent connectors	☐	☐	☐	☐
Heat exchanger	☐	☐	☐	☐
Test inducer fan motor	☐	☐	☐	☐
Test blower assembly	☐	☐	☐	☐
Oil pressure (measure/adjust)	☐	☐	☐	☐
Oil pump pressure	■	☐	☐	☐
Fuel pump pressure cutoff	☐	☐	☐	☐
Primary burner safety control	☐	☐	☐	☐
Combustion intake	☐	☐	☐	☐
Condition of liner	☐	☐	☐	☐
Photocell resistance _____Ω		☐Pass		☐Fail
Replace oil burner nozzle*		☐Yes		☐No
Replace fuel filter*		☐Yes		☐No
Chimney lined?		☐Yes		☐No
Oil residue in chamber?		☐Yes		☐No
Bleed oil line*		☐Yes		☐No
Evidence of flame rollout?		☐Yes		☐No
Ignition transformer voltage ____V		☐Yes		☐No
Distance from combustibles		☐Pass		☐Fail
Vent type correct for furnace?		☐Yes		☐No
Vent meets code (1/4" rise per foot)		☐Yes		☐No
Cu. Ft. of Utility Area: _____				
Make-up Air Required?		☐Yes	■No	
Liner Required?		☐Yes	☐No	

**REQUIRED MAINTENANCE ITEMS*

COMPLETE FOR HYDRONICS LOOP BOILERS

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

COMPLETE FOR ALL VENTED FUEL-FIRED SYSTEMS

Ambient CO 0 PPM ppm
Spillage Test ■Pass ☐Fail ☐Not applicable
Worst case CAZ +.4 Pa
Draft (at worst case) NA Pa
Ambient Temperature 55 °F
CAZ volume (if applicable) 88424 ft3
Additional venting needed _____ in2
Pressure switch _____ ☐Pass ☐Fail ■Not applicable

Before
Steady state efficiency #3 Smoke %
CO _____ ppm
O2 _____ %
CO2 _____ %
Stack Temperature _____ °F

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

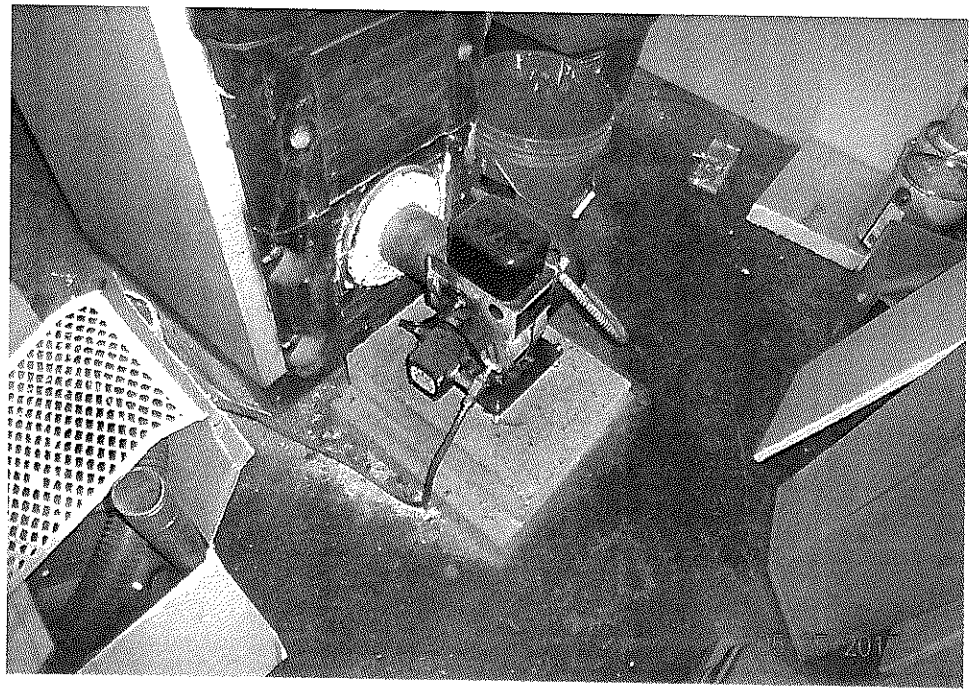
IV. Declaration of System Compliance: Official summary of conditions post-Evaluation

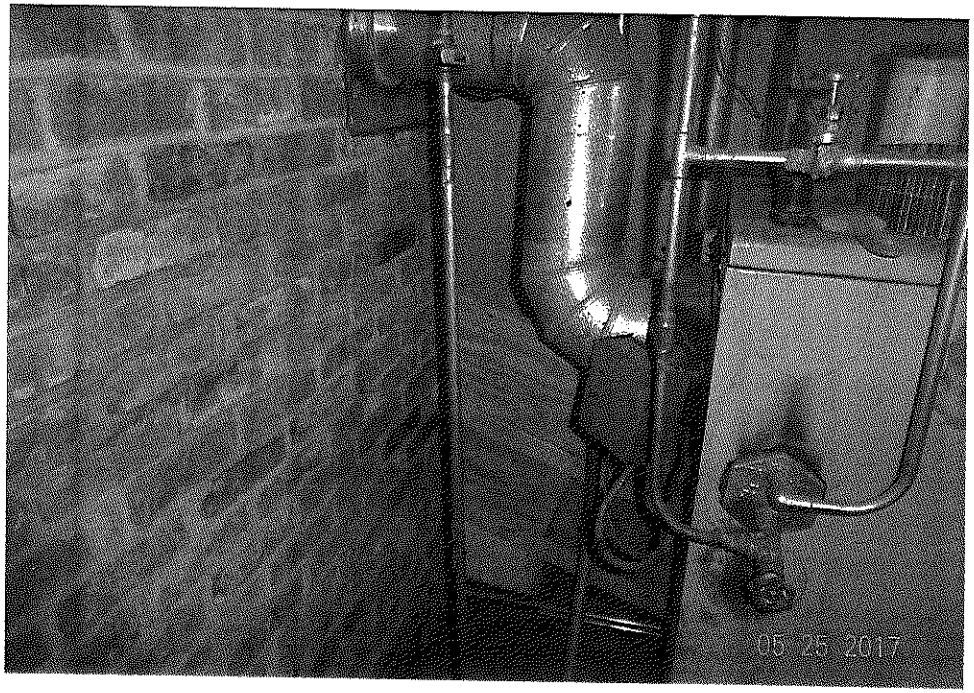
System No. 1
Passes ☐ Fails ■

System No. 2
Passes ☐ Fails ☐

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

This heating unit IS original to the house in very bad shape. Burned through jacket. Client went to multiple repairs and parts no longer available. Heating tech recommended to get it replaced. This is a tank-less unit that will be replace with indirect DHW.

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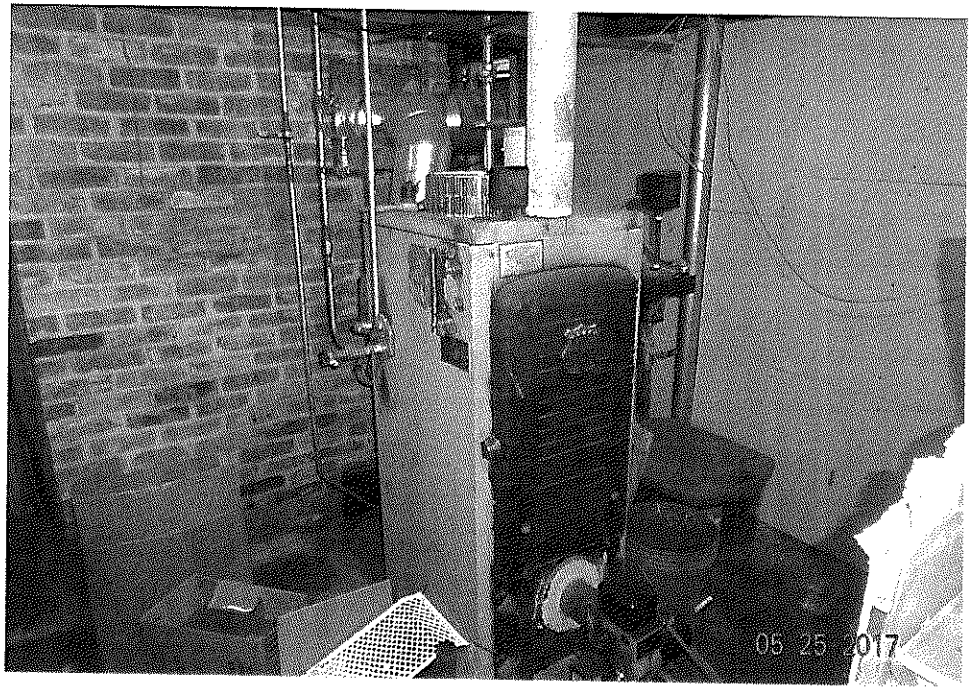
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I-B-R
NET RATINGS
SERIES
330
55
86
130
05 25 2017