



**ADDENDUM NO. 2
INVITATION FOR BIDS
Fred Wessels Homes Energy Saving Modifications and Upgrades**

Addendum Issue Date: July 29, 2010

Bids Due: August 5, 2010, 3:00 PM

This Addendum is hereby made a part of the contract documents on which all bids will be based, and is issued to correct and clarify the original *Invitation for Bids* (IFB) for the above referenced project, released on or about June 27, 2010.

All bidders must acknowledge receipt of this Addendum at the appropriate space on the *Form of Bid*, under Part VII of the IFB, by inserting its number and date. This addendum includes one attachment (Item No. 2).

ITEM NO. 1

SECTION 4.7 REMOVE EXISTING WATER HEATERS AND INSTALL NEW TANKLESS GAS FIRED WATER HEATERS

1ST PARAGRAPH:

DELETE: Water heaters will be ENERGY STAR certified, have a thermal efficiency of at least 92 percent and will have at least a 10-year warranty and 5-year warranty on parts. The Tankless water heater will be a Noritz Model NRC111 (condensing) or equal. See Information in Appendix C on this referenced Noritz Model.

REPLACE: Water heaters will be ENERGY STAR certified, have a thermal efficiency of at least 82 percent and will have at least a 10-year warranty and 5-year warranty on parts. The Tankless water heater will be a Noritz Model NR66 or equal. See Information in Appendix C on this referenced Noritz Model.

ITEM NO. 2 _ Attachment

APPENDIX C

DELETE: Appendix C

REPLACE: *New* Appendix C is attached. This serves as an example only of the type of tankless water heater required. Bidders should bid this product or *its equal*.

Website Source: www.nortiz.com/homeowners/products/

PLEASE NOTE: In accordance with the IFB Section 7.5, the question and answer period for this procurement was closed on July 13, 2010.

END OF ADDENDUM NO. 2

ISSUED BY: Earline Wesley Davis
Executive Director
HOUSING AUTHORITY OF SAVANNAH

Issue Date: July 29, 2010



OWNER'S MANUAL

- [NR66-OD](#)
- [NR66-SV](#)

NR66 (N-0531S) Series Residential Tankless Water Heater

PRODUCT INFORMATION:



[Click here for details](#)

Our NR66 series is perfect for apartments, condominiums and townhouses with 1-2 showers. When properly sized, they provide an endless supply of hot water and are designed to be more efficient than traditional tank-type water heaters. These compact heaters will save space without compromising power. Built-in features include safety lock-out, freeze protection, and high elevation adjustment. PVC CANNOT be used for venting.

These units also offer several innovations:

Safety lock out - Default max. 120 degrees (refer to owner's manual for higher temp)

Standard burner - High performance single flame burner.

Fully modulating burner - Automatically adjusts burner level accordingly.

Turbo Flow - Up to 6.6 GPM @ 35 degree temperature rise (5.3 GPM @ 45 degree rise).

Direct ignition - No standby pilot light.

Thermal fuse - Automatic overheat protection system.

Resin coated PC board - Increases durability and protection from elements.

Automatic air regulator - Monitors internal temperature/maximizes burner efficiency.

Resin coated PC board - Increases durability and protection from elements.

MODEL	INSTALLATION	WARRANTY	ENERGY FACTOR (EF)*	
			Natural Gas (NG)	Propane (LP)
NR66-SV	Indoor/Outdoor	12yr/5yr parts/1yr labor	0.82	0.84
NR66-OD	Outdoor	12yr/5yr parts/1yr labor	0.83	0.84



*Energy Factor (EF) is a measurement of relative energy efficiency for a water heater; the higher the EF, the more energy efficient the water heater.



- >> **Available in Natural Gas (NG) and Propane (LP) models only.**
- >> Temperature Settings: 100-160°F (12 options)
- >> Thermal efficiency for all models: 83%
- >> Self-diagnostic onboard computer system
- >> Battery back-up compatible

- >> Recirculation compatible
- >> [QUALIFIES FOR UP TO \\$1,500 TAX CREDIT \(2009-2010 only\)](#)
- >> **WARNING!!! PVC cannot be used for venting. Only Category III (3" stainless steel venting).**

>> **Accessories**

- Isolation valves (#IK-WV-7-TH or #IK-WV-7-SW)
- Outdoor vent cap (#VC-3) for NR66-SV model only.
- Pipe cover (#PC-1S)
- Remote controller (#RC-7649M; for Canada #RC-7650M)
- Remote controller cord (10 ft.: #RC-CORD10; 26 ft.: #RC-CORD26)
- Remote controller outdoor junction box (#RC-OJB)
- Recess Box (#RB-500) for NR66-OD model only.
- H2FLOW Anti-Scale System (#H2F)

Indoor/Outdoor	Outdoor
 <p>Our standard venting allows the units to be installed indoors or outdoors and vented horizontally or vertically.</p>	 <p>Our OD units are for outdoor installation only. These units require no additional venting accessories since a horizontal vent is built right into the unit.</p>

Summer Water Supply 70°F	Winter Water Supply 45°F
 +	 +

Specifications		
Gas Consumption	NG	Max. 140,000 btuh - Min. 20,000 btuh
	LP	Max. 140,000 btuh - Min. 20,000 btuh
Max. Hot Water Capacity (45°F Rise)	5.3 Gal./min.	
Capacity Range	0.5 - 6.6 Gal./min.	
Type	Installation	Indoor/Outdoor, Wall Hung
	Air Supply/Exhaust	Power Vented
Minimum Flow Rate	0.5 GPM	
Weight	36 lbs.	
Dimensions	20.5" (Height) x 13.8" (Width) x 6.7" (Depth)	
Connection Sizes	Water Inlet	3/4"
	Hot Water Outlet	3/4"
	Gas Inlet	3/4"

Temp Rise (°F)	(NC380) Series	NR111 (NC250) Series	NRC111 (NCC199) Series	NR98 (NC199) Series	NR71 Series	NR66 Series
30	13.2	11.1	11.1	9.8	7.1	6.6
35	13.2	11.1	10.6	9.2	7.1	6.6
40	13.2	10.5	9.3	8.4	7.1	5.7
45	13.2	9.3	8.4	7.5	6.3	5.3
50	12.5	8.4	7.4	6.7	5.8	4.6
55	11.3	7.6	6.8	6.1	5.2	4.2
60	10.4	7.0	6.2	5.6	4.8	3.8
65	9.6	6.5	5.8	5.2	4.4	3.5
70	8.9	6.0	5.3	4.8	4.1	3.3
75	8.3	5.6	5.0	4.5	3.8	3.1
80	7.8	5.3	4.6	4.2	3.6	2.9
85	7.9	4.9	4.4	4.0	3.4	2.7
90	6.9	4.7	4.1	3.7	3.2	2.6
95	6.6	4.4	3.9	3.5	3.0	2.4
100	6.2	4.2	3.7	3.4	2.9	2.3

(For peak flow rates in shaded areas, contact Noritz for proper setting.)