

**From:** Sarah Branch [<mailto:SBranch@nationalchurchresidences.org>]  
**Sent:** Monday, May 04, 2015 12:37 PM  
**To:** Ken Reecy; Nancy Muller  
**Cc:** Deborah Blinderman  
**Subject:** RFA 2015-104

Thank you for the opportunity to provide comments with regards to the DRAFT Preservation RFA 2015-104. Below are two comments we would like considered, along with the attached backup.

**Concrete Construction:**

The existing exterior wall construction of our development consists of 8" concrete masonry units covered by a cement stucco material. We are seeking a permanent solution to an existing water infiltration problem with the existing wall system. The proposed solution is to add thermal insulation and a new stucco coating over the existing exterior wall surface. This wall system will allow us to install a continuous insulation barrier on the walls and put us into compliance with the Florida Energy code. The proposed new stucco system will be **Sto HI-CM Exterior Insulation and Finish System – L.M.I.**, which is a high impact stucco system. This system has a Notice of Acceptance by Miami-Dade for use in a High Velocity Hurricane Zone.

While this product is not technically concrete, can it be approved for use and qualify for the Concrete Construction?

**Energy Appeal:**

Please consider PTAC units for 2 bedroom units. Currently the RFA only allows PTAC units for efficiency and 1 bedroom units. Attached is a summary of the calculations showing the energy efficiency and a spec sheet is attached as well.

Thank you,

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## MEMO

## DRAFT

5/1/15

To: Sarah Branch, National Church Residence  
From: Jed Eide, Architect

### Re: Two-bedroom apartment energy usage

Sarah,

We have done calculations that show that the HVAC energy efficiency of two-bedroom apartments would be the same as the one-bedroom apartments. This is because the two-bedroom apartments would use two smaller PTAC units that have a higher EER rating than the single larger PTAC that would be used in the one-bedroom apartments.

	BTU's	PTAC EER	Watts/SF
One Bedroom Apartment	9300	12.9	1.2
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Two Bedroom Apartment	7100 x 2	13.3	1.2

Two-bedroom apartment PTAC (2 per apartment)

<b>System Model #</b>	Heat / Cool	LP073CD2B
<b>Performance</b>		
Capacity (BTUs) cooling		7,100 / 7,300
EER		13.3
<b>Electrical</b>		
Power Supply	V/Hz/ø	208-230 / 60 / 1
Electric Heater	kW	2.4 / 2.5
<b>Air Circulation</b>	CFM (High / Low)	270 / 225
<b>Dehumidification</b>	Pts/hr	1.7
<b>Sound Pressure</b>		
Indoor dB(A) *		45
Outdoor dB(A) *		61
<b>Dimensions(W×H×D)</b>		42 x 16 x 21
<b>Net Weight</b>		95.0
<b>Thermostat Range</b>	Cooling (°F) **	64°F-86°F

One-bedroom apartment PTAC

<b>System Model #</b>	Heat / Cool	LP093CD3B
<b>Performance</b>		
Capacity (BTUs) cooling		9,300 / 9,500
EER		12.7
<b>Electrical</b>		
Power Supply	V/Hz/ø	208-230 / 60 / 1
Electric Heater	kW	3.1 / 3.5
<b>Air Circulation</b>	CFM (High / Low)	270 / 225
<b>Dehumidification</b>	Pts/hr	2.6
<b>Sound Pressure</b>		
Indoor dB(A) *		46
Outdoor dB(A) *		61
<b>Dimensions(W×H×D)</b>		42 x 16 x 21
<b>Net Weight</b>		95
<b>Thermostat Range</b>	Cooling (°F) **	64°F-86°F