

**Ann Machado - Fwd: Penthouse equipment**

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**From:** "Evan Carroll | Bild Architecture" <evan@bildarchitecture.com>  
**To:** Ann Machado <AMACHADO@portlandmaine.gov>  
**Date:** 3/13/2015 10:04 AM  
**Subject:** Fwd: Penthouse equipment  
**CC:** Liv Chase <livchase@yahoo.com>

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Ann,

Please see the email below. Liv is intending to install a "heat pump" water heater in the penthouse.

As you can see, she sent me this awhile ago, and I forgot to send it on.

Thanks,  
Evan

----- Forwarded message -----

**From:** Liv Chase <[livchase@yahoo.com](mailto:livchase@yahoo.com)>  
**Date:** Tue, Mar 3, 2015 at 10:17 PM  
**Subject:** Penthouse equipment  
**To:** Evan Carroll | Bild Architecture <[evan@bildarchitecture.com](mailto:evan@bildarchitecture.com)>  
**Cc:** Brent Adler <[brentadler@gmail.com](mailto:brentadler@gmail.com)>

Hi Evan,

Here are the tech specs for the mechanical equipment that will occupy the penthouse at 48 Hancock St.

We plan to use the penthouse as an area for our heat pump water heater that will be connected to our rooftop solar hot water array. We are using this area because of its close proximity to the solar hot water array. The room is the size that is constructed to account for the cubic volume that is required for the equipment. We may also need room for an additional supplemental hot water storage tank.

*Heat pump water heaters require installation in locations that remain in the 40°–90°F (4.4°–32.2°C) range year-round and provide at least 1,000 cubic feet (28.3 cubic meters) of air space around the water heater.*

See details on product:

<http://energy.gov/eere/energybasics/articles/heat-pump-water-heater-basics>

Here is a brochure on a model we are considering:

[http://www.stiebel-eltron-usa.com/pdf/brochure\\_accelera.pdf](http://www.stiebel-eltron-usa.com/pdf/brochure_accelera.pdf)

Regards,  
Liv Chase

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**Evan A. Carroll** AIA, LEED AP, Maine Licensed Architect

Principal

**bild ARCHITECTURE**

PO Box 8235 Portland, Maine 04104  
207.408.0168 - [evan@bildarchitecture.com](mailto:evan@bildarchitecture.com)

[www.bildarchitecture.com](http://www.bildarchitecture.com)