

Enterprise Rose Architectural Fellows

Better Buildings by Design | Efficiency Vermont

FEBRUARY 4, 2015

Nuestra CDC

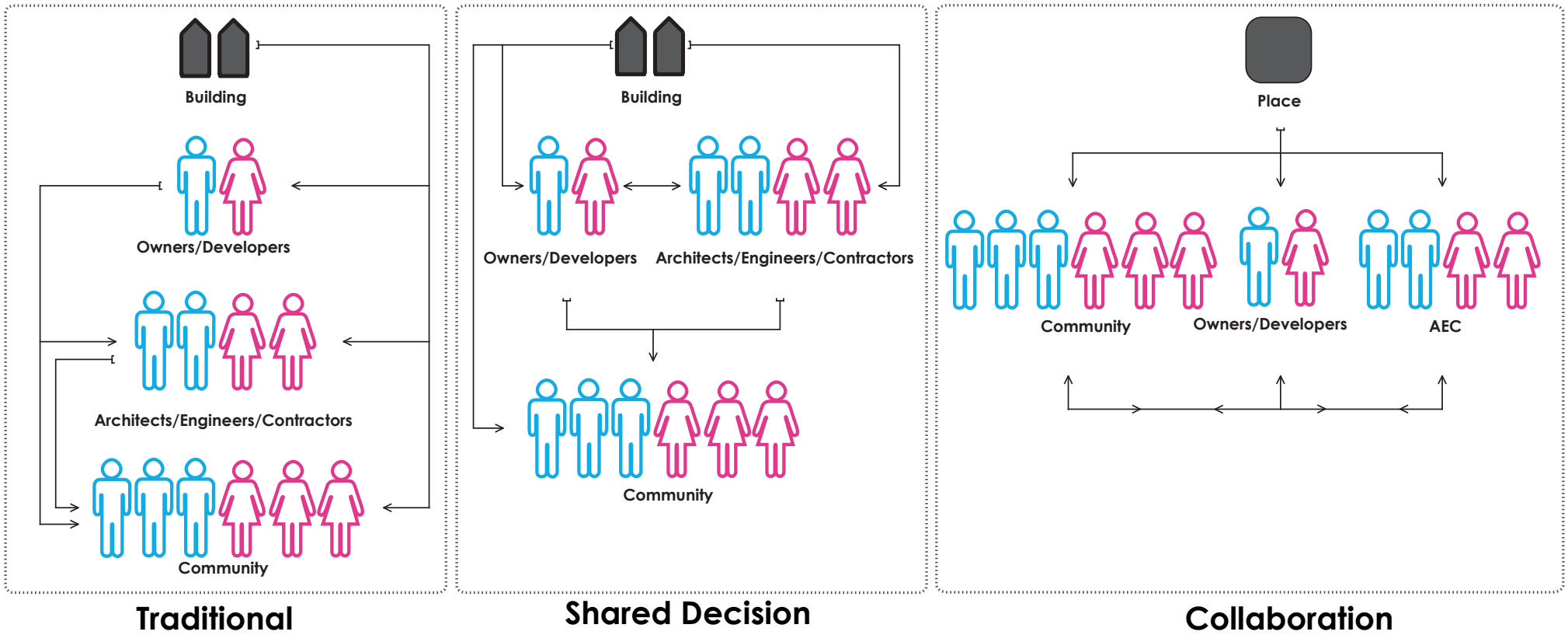
Mark Matel, Associate AIA, LEED GA



OUR COMMUNITY | WORKING TOGETHER

TRENDS IN MULTIFAMILY AFFORDABLE CONSTRUCTION IN COLD CLIMATES



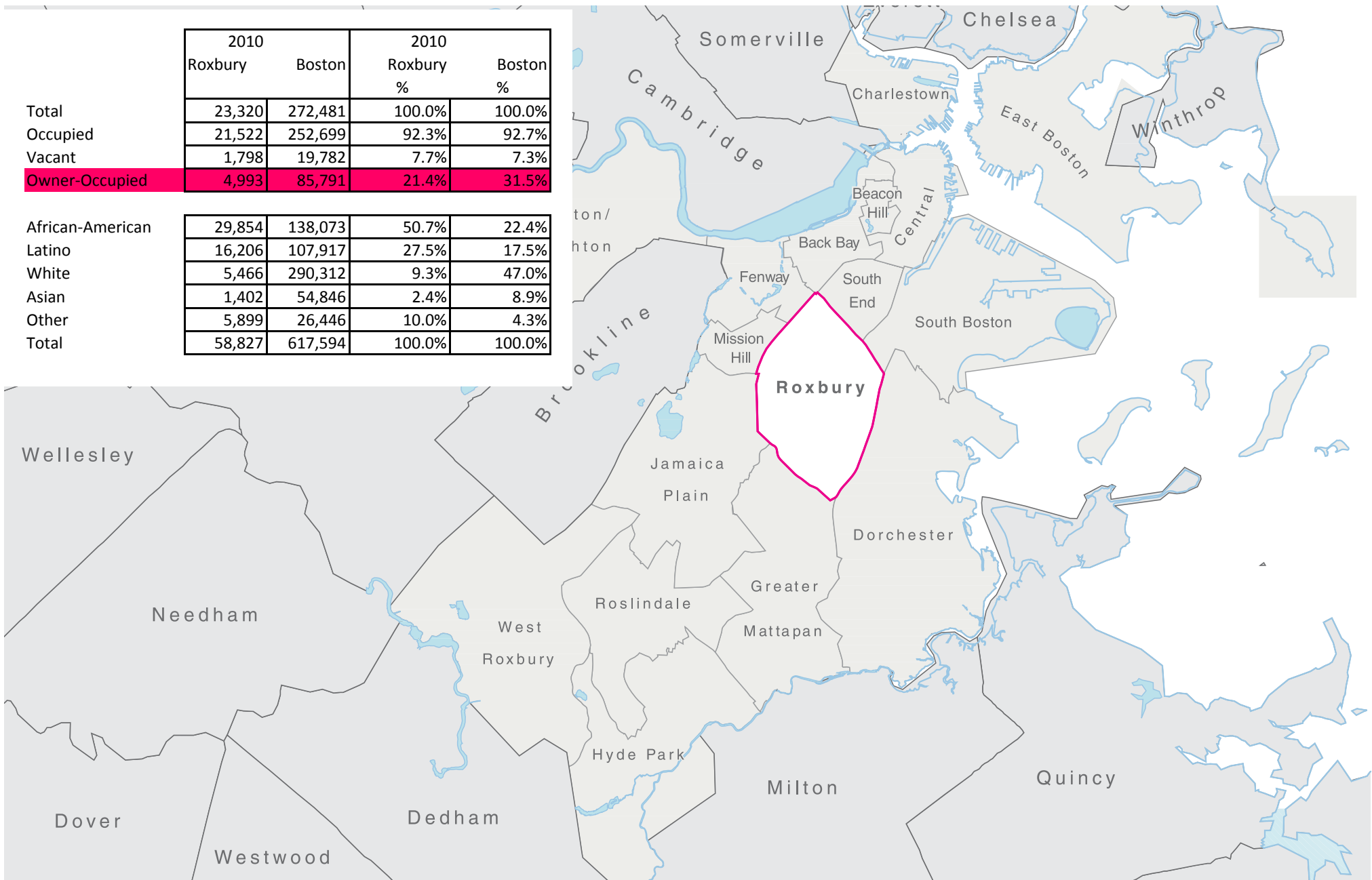


How are we reaching across Silos?

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	2010		2010	
	Roxbury	Boston	Roxbury %	Boston %
Total	23,320	272,481	100.0%	100.0%
Occupied	21,522	252,699	92.3%	92.7%
Vacant	1,798	19,782	7.7%	7.3%
Owner-Occupied	4,993	85,791	21.4%	31.5%

African-American	29,854	138,073	50.7%	22.4%
Latino	16,206	107,917	27.5%	17.5%
White	5,466	290,312	9.3%	47.0%
Asian	1,402	54,846	2.4%	8.9%
Other	5,899	26,446	10.0%	4.3%
Total	58,827	617,594	100.0%	100.0%



Where are we working? | Who is our Audience? | What are our goals?

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Nuestra's two main goals with energy efficient homes:

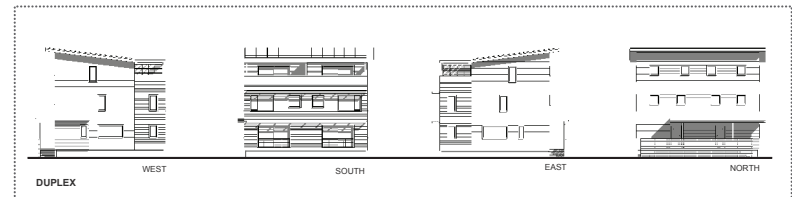
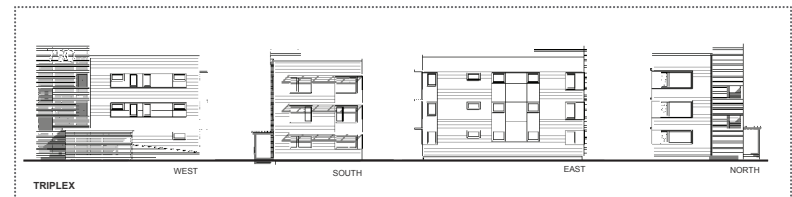
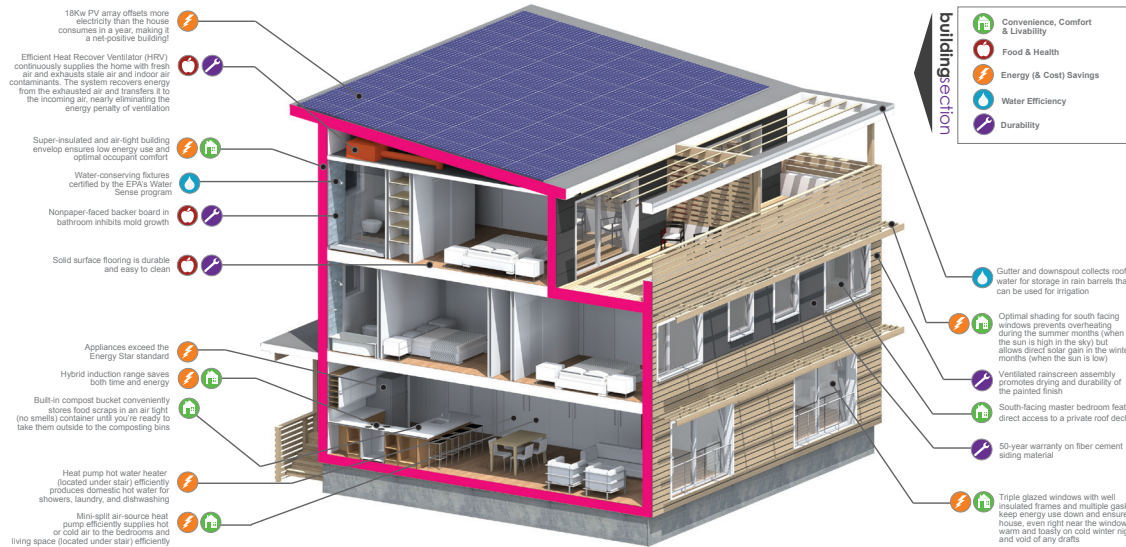
Resident Education to help finance energy efficient homes and living in an energy efficient homes

Providing the Housing Stock for lower to middle income residents to rent or purchase a home.

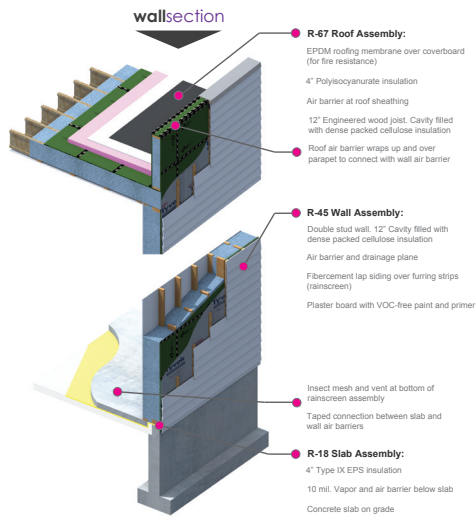
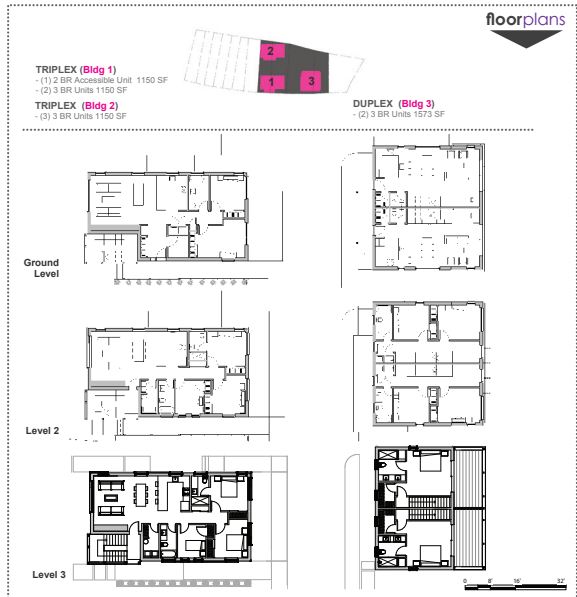
Tenant Education with Energy Efficient mortgages

As the single largest housing expense after a mortgage payment, your utility costs can have a direct impact on how large a mortgage you can afford. You can save money on the cost of utilities by purchasing new energy-efficient heating and cooling systems or by making home improvements, such as weatherizing and insulating older homes and these investments can end up saving you money through lower utility bills.

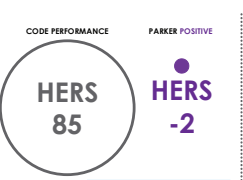
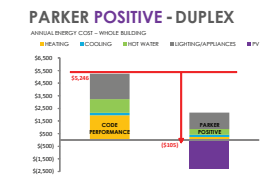
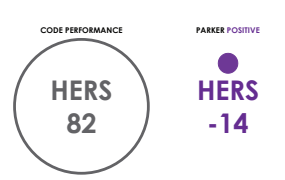
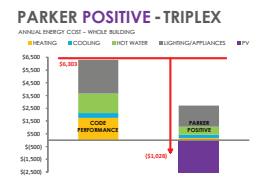
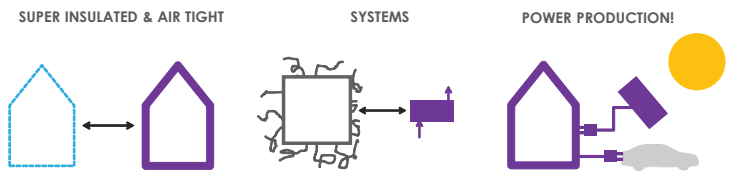
As a new homebuyer or current homeowner, you may be able to use FHA's Energy Efficient Mortgage (EEM) to finance the cost of these improvements. FHA which is part of HUD offers the Energy Efficient Mortgage Program to allow homebuyers to finance the purchase of a home—or refinance your current mortgage—and include the cost of the energy-saving, cost-efficient improvements through a single mortgage. FHA's EEM program recognizes the monthly utility cost savings when homebuyers make energy-efficient improvements. Borrowers may use the EEM program to finance the cost of energy efficient improvements into their new mortgages, without the need to qualify for additional financing, because cost effective energy improvements result in lower utility bills making more funds available for their mortgage payments.



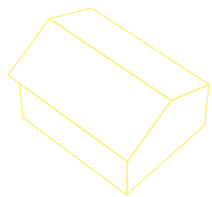
elevations



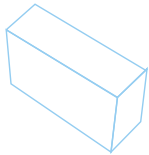
REACHING NET



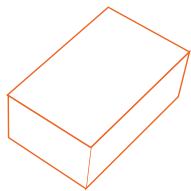
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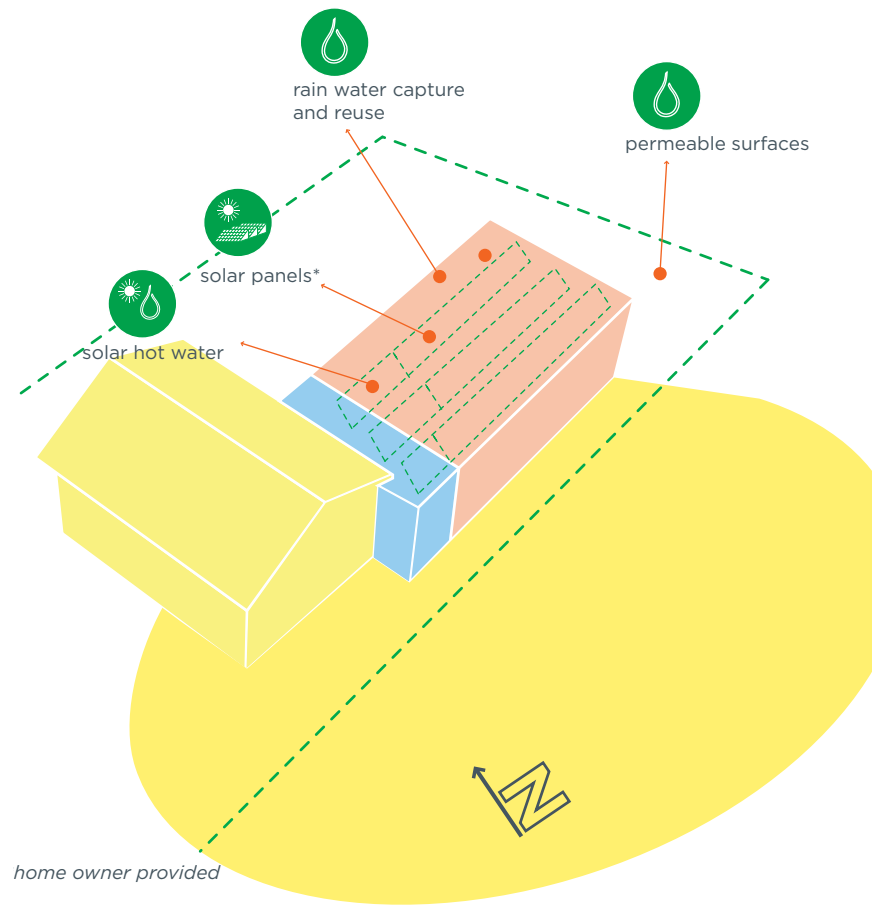
2 BED ROOM



STAIR CORE



3 BED ROOM



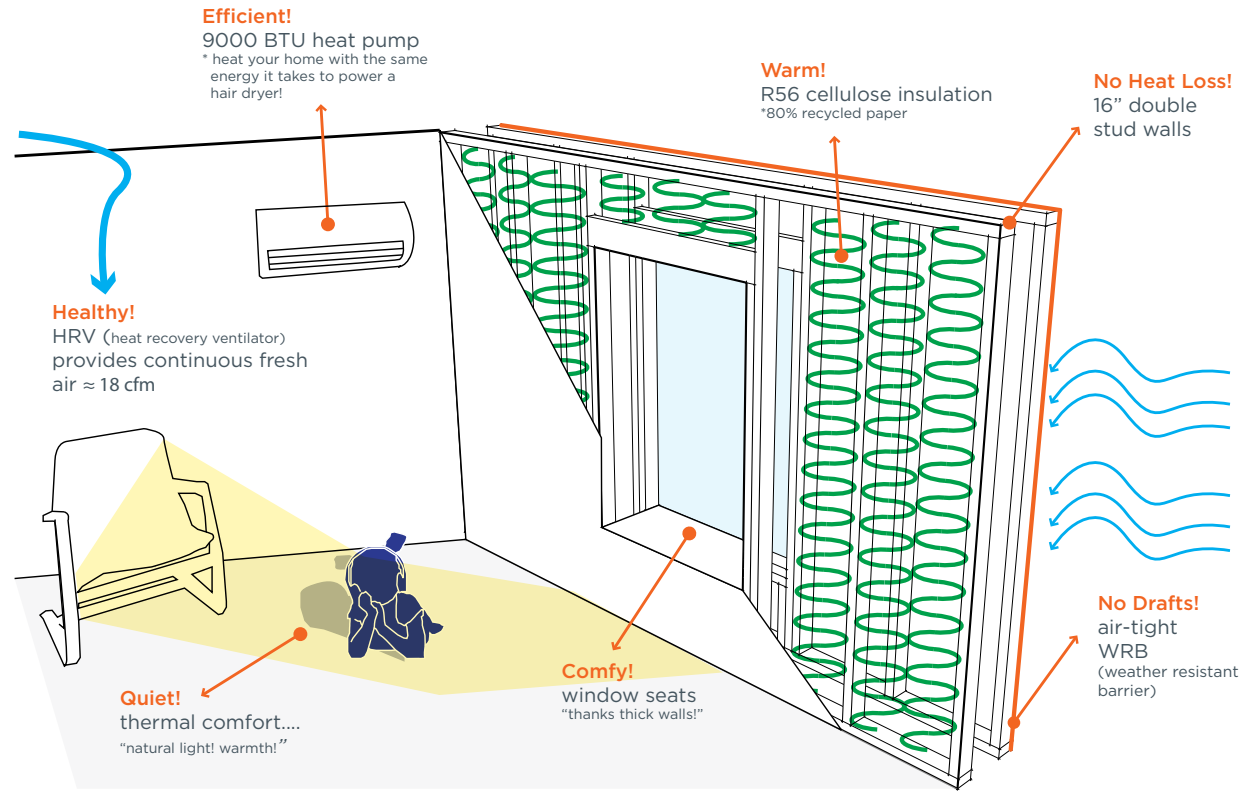
MASSING DIAGRAM

What does
Passivhaus
design **feel**
like?

Smart,

Like a well-
tailored suit.

here are some
reasons why...



ENVIRONMENTAL STRATEGIES

A.1

NOTES:

Associated R-Values: Floor R40, Walls R56, Roof R90

Air Sealing: 0.6 ACH @ 50 Pascals

HRV: Balanced system approx. 18 CFM per unit

SHW: 119 gal. solar hot water tank per unit

Windows: Tripple Pane Shucco Clima-top SI82

PROJECT:

Howard + Harlow

LOCATION:

Boston, MA

DATE: 5.15.2014

Placetaylor



FIRST FLOOR PLANS

A.3

NOTES:

PROJECT:
Howard + Harlow

LOCATION:
Boston, MA

DATE: 5.15.2014

Placetailor



SECOND FLOOR PLANS

A.4

NOTES:

PROJECT:
Howard + Harlow

LOCATION:
Boston MA

DATE: 5.15.2014

Placetailor



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