

Sustainable. Affordable. Urban. Living FOR EVERYONE

PHYSICAL ACTIVITY



bike it. walk it. live it.

- having the opportunity to walk/ bike to work, school, events provides ample opportunity for movement and social interactions. This increases our natural need for movement to maintain our physical and psychological health.



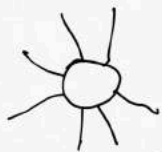
broadens access to opportunity:

- public transportation
- good schools
- work
- recreation/ greenways
- farmer's markets/ healthy foods
- culture
- social events

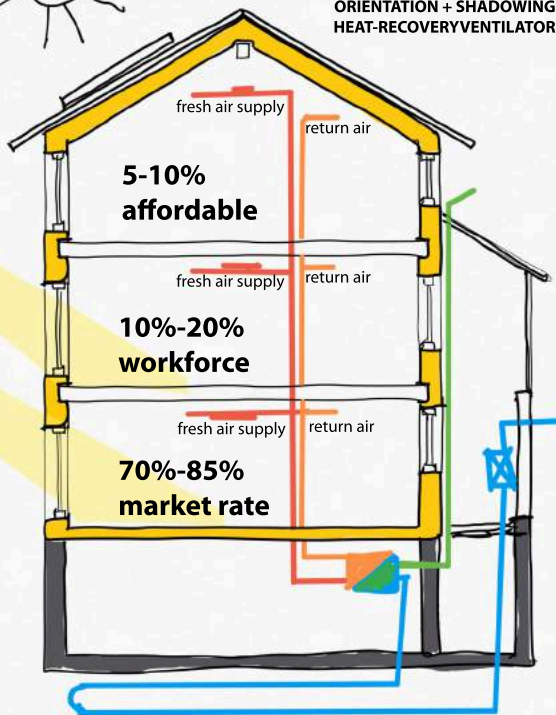


SOCIAL EQUITY

PASSIVE HOUSE BUILDING STANDARD



1. PROPER INSULATION
2. NO AIR LEAKAGES
3. NO THERMAL BRIDGES
4. PROPER WINDOWS & DOORS
5. ORIENTATION + SHADOWING
6. HEAT-RECOVERY VENTILATOR



What is Passive House?

Passive house (German: Passivhaus) is a rigorous, voluntary standard for energy efficiency in a building, reducing its ecological footprint. It results in ultra-low energy buildings that require little energy for space heating or cooling.



Why for Affordable Housing?

90% energy savings over conventional construction means that we need much less heating and cooling in energy and equipment. This means we need to waste much less energy and we can get to net zero that much faster.

Means also less pollution and more money back into your pocket. The energy savings from energy efficient building + urban connectivity significantly reduces our carbon footprint and improves overall quality of life.

SOCIAL CONNECTIVITY



want to hang out?

Social interaction is a basic human need in every socio-economic layer of society proven to fight depression, increase health, help sustain workout regime, provide child care, security, opportunities for car sharing, study groups, can fight segregation, help create better neighborhood schools.

Ingredients:

- higher urban density
- places to walk to and meet: such as schools, parks, work, stores etc.
- affordable/ and workforce housing

design for life. living, learning and working environments.

insight
ARCHITECTS



Better indoor air quality and promotes healthy and active living, easier access to healthy foods.

In one year, 640,000 children visit the Emergency Room due to asthma. Better living conditions lead to less sickness and fewer visits to the hospital. Access to healthy food promotes a healthier life style.

OVERALL HEALTH

Indoor air quality:

- indoors without toxic gases
- air tight envelope w/ filtered fresh air intake, natural ventilation

outdoor air quality:

urban living reduces the number of cars on streets. Cars account for 57% of air pollution. Buildings account for



AIR QUALITY

WHAT IS PASSIVE HOUSE?

Passive house (German: Passivhaus) is a rigorous, voluntary standard for energy efficiency in a building, reducing its ecological footprint. It results in ultra-low energy buildings that require little energy for space heating or cooling.

IS THIS SOMETHING NEW?

The first true Passive House was built in Germany in 1991. More than 40,000 buildings have been constructed in the ensuing 22 years, as Passive House has become the most tested and most rigorously verified building standard.

IS IT EXPENSIVE?

Passive House walls and windows cost more than code construction, while Passive House heating systems cost less. On balance, Passive House construction costs up to 10% more than code. Upon completion, Passive House buildings require an average of 90% less heating energy than code buildings.

Amortize the one-time construction premium over the life of a mortgage, subtract the annual savings on utility bills, and most Passive House owners save money every single year. Especially important with increased density and rising utility cost.

