

A detailed illustration of a two-story house with light-colored horizontal siding and a dark grey shingled roof. The house has a front porch with white columns and a white railing. The porch is elevated on a foundation. The background shows a green lawn with several trees and a blue sky with light clouds. The entire illustration is rendered in a sketchy, artistic style.

# WELCOME HOME

*Taking a holistic approach to comfort, health and well-being*



# Welcome to 99 Prospect Street

## The Saint-Gobain / YouthBuild Partnership's First Multi Comfort Home



As one of the world's largest building materials companies and a manufacturer of innovative material solutions, Saint-Gobain helps create great living spaces by combining comfort and sustainability to enhance the well-being of people all over the world.

**Our partnership with YouthBuild affords Saint-Gobain and its family of companies an invaluable opportunity to transform the neighborhoods where we operate as well as the lives of students who will make up the future green building workforce.**

Since 2010, Saint-Gobain has been a proud sponsor of YouthBuild USA and its sustainable building and job training program for disadvantaged young adults. Along with funding, Saint-Gobain provides sustainable building material donations, building science and technical expertise, and employee volunteers while helping YouthBuild students learn the skills needed to transform their lives and rebuild their own communities.

Saint-Gobain and YouthBuild affiliates have completed 8 green renovation and construction projects to date in four communities where Saint-Gobain has business concentrations: Philadelphia, Pa.; Worcester, Mass.; Canton, Ohio; and Schenectady, N.Y.

We are proud to showcase our latest collaboration with YouthBuild Schenectady and the SEAT Center: 99 Prospect Street in Schenectady. The project is unique in that it's the first-ever new build sustainable home construction project since the start of our partnership and the first YouthBuild home designed to Saint-Gobain's Multi Comfort building concept, which takes a holistic approach to the importance of comfort, health and well-being.



# DESIGNED FOR COMFORT, HEALTH AND WELL-BEING



Saint-Gobain's Multi Comfort concept is based on the idea that all buildings can be designed for comfort and positively contribute to our health and well-being. Homes built with the Multi Comfort approach deliver the highest levels of energy efficiency and savings for homeowners.

## A MULTI COMFORT HOME:

- Provides relatively stable temperatures
- Offers the right type and amount of light
- Blocks out unwanted noise and enhances the sounds we want to hear
- Keeps indoor air fresh and clean while reducing harmful pollutants

AT SAINT-GOBAIN, OUR MISSION IS TO **CREATE GREAT LIVING PLACES AND IMPROVE DAILY LIFE.** WE BELIEVE THAT BUILDINGS CAN AND SHOULD DELIVER IMPROVED **COMFORT, HEALTH AND WELL-BEING FOR EVERYONE, EVERYWHERE.**

The four factors of comfort are powerful tools for designing happy, healthy, energy-efficient buildings that deliver positive economic benefits along with improved well-being.



## Feel

**THERMAL  
COMFORT**

An optimal temperature that's not too hot or too cold.



## See

**VISUAL  
COMFORT**

Maximizing daylight to aid productivity and alertness.



## Hear

**ACOUSTICAL  
COMFORT**

Active acoustic protection for well-balanced sound.



## Breathe

**INDOOR AIR  
COMFORT**

Indoor air that's fresh and clean.

# ACHIEVING MULTI COMFORT

## LEADING THE WAY IN COMFORT AND PERFORMANCE

The house at 99 Prospect Street meets the requirements of ENERGY STAR® for Homes and is Net Zero Energy Ready, which means it has been verified by a qualified third party to be at least 40%-50% more energy efficient than a typical new home. The home is also targeting LEED® (Leadership in Energy and Environmental Design) Platinum, the highest level of certification from the U.S. Green Building Council.



## MC 350

Saint-Gobain's MC 350 app is a tool that allows the homeowners at 99 Prospect Street to capture comfort levels in their home in real time. The app records feedback on lighting, temperature, humidity and sound levels and shares the performance data with Saint-Gobain.

DOWNLOAD THE "MC 350" APP NOW



99 PROSPECT STREET, SCHENECTADY, NY

### HERS INDEX

15



with 7.8 kW  
Solar PV array

NEAR ZERO ENERGY HOME

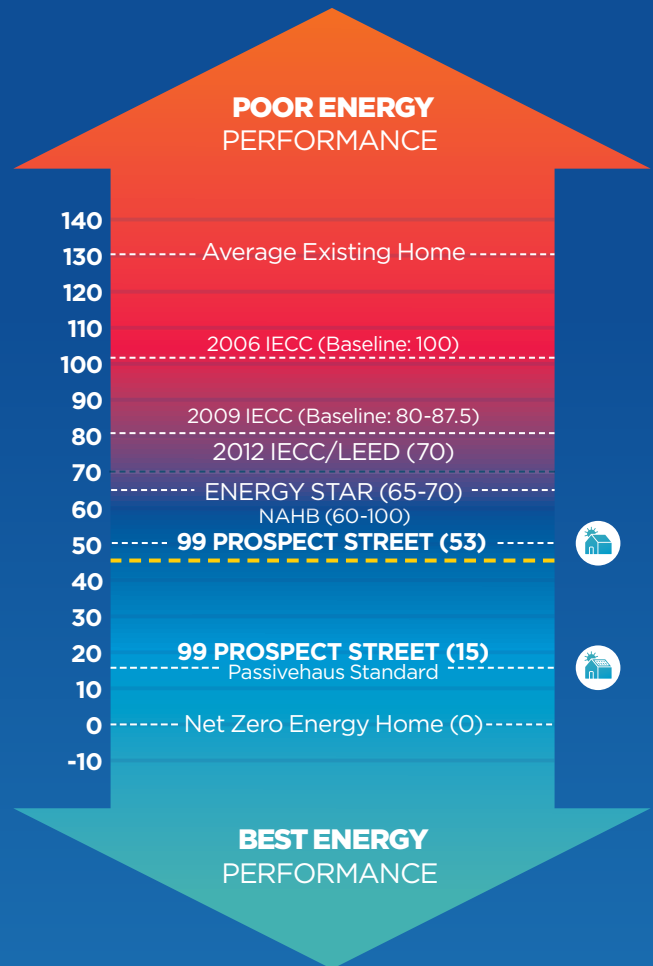
### HERS INDEX

53



without 7.8 kW  
Solar PV array

ZERO ENERGY READY HOME



### HERS® INDEX

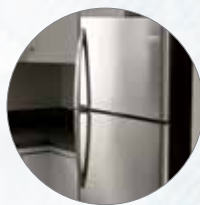
The Home Energy Rating System (HERS) Index is the industry standard by which a home's energy efficiency is measured. It's also the nationally recognized system for inspecting and calculating a home's energy performance.



# 99 Prospect Street, Schenectady, New York



Saint-Gobain applied a systems approach to the design and construction of the Multi Comfort home. It features high-performance solutions that have been carefully orchestrated to work together in providing exceptional comfort, air quality, acoustics, energy efficiency, thermal performance, light, beauty, durability and sustainability.



## ENERGY PERFORMANCE & SUSTAINABILITY

- CertainTeed's Solstice® Solar System 7.8 kW Array
- Carrier® Infinity® System Control with Wi-Fi® Remote Access Capability
- Carrier Infinity® 20 Heat Pump with Greenspeed™ Intelligence (HSPF 13, SEER 20)
- Big Magic Thermodynamic Box 200 Solar Assisted Heat Pump Water Heater
- ENERGY STAR® Certified Appliances and LED Lighting



## BEAUTY & DURABILITY

### Roofing

- Landmark® Shingles
- WinterGuard® Waterproofing Shingle Underlayment
- RoofRunner™ Lightweight, Synthetic Polymer-based Underlayment
- Shadow Ridge® Hip and Ridge Accessory Shingles

### Siding

- Monogram® Double 4" Horizontal Vinyl Siding
- Northwoods® Vinyl Shakes
- Vinyl Carpentry® Accents

### Decking & Railing

- EverNew® Vinyl Decking
- Kingston® Vinyl Railing System
- CertainTeed Structural Porch Posts, Columns and Finishing







Featuring more than

50

Saint-Gobain  
PRODUCTS



The Multi Comfort design discipline combines elements of sustainability, beauty and comfort to improve well-being with the lowest environmental impact.



## ACOUSTIC COMFORT



## INDOOR AIR COMFORT



## MOLD & MOISTURE

### ACOUSTIC & INDOOR AIR COMFORT

#### Drywall

- Easi-Lite® Lightweight
- M2Tech® Moisture & Mold Resistant
- AirRenew® Essential
- Green Glue® Noiseproofing Compound
- SilentFX® Noiseproofing Sealant
- FibaTape® Joint and Metal Corner Tape

#### Insulation

- Sustainable Insulation® Kraft Faced Fiberglass Batt (R13)

### THERMAL & VISUAL COMFORT

#### Insulation

- InsulSafe® SP Premium Blowing Wool (R22)
- Sustainable Insulation® Unfaced Fiberglass Batt (R38)
- Sustainable Insulation® Kraft Faced Fiberglass Batt (R21, R13)
- MemBrain™ Continuous Air Barrier & Smart Vapor Retarder
- 10" Insulating Concrete Form (R10)

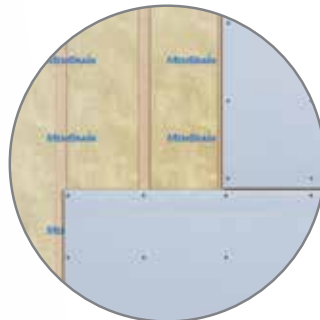
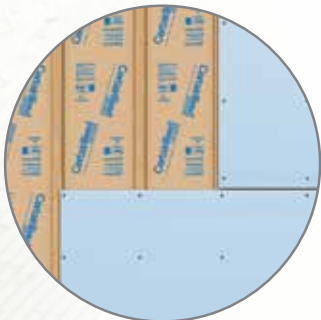
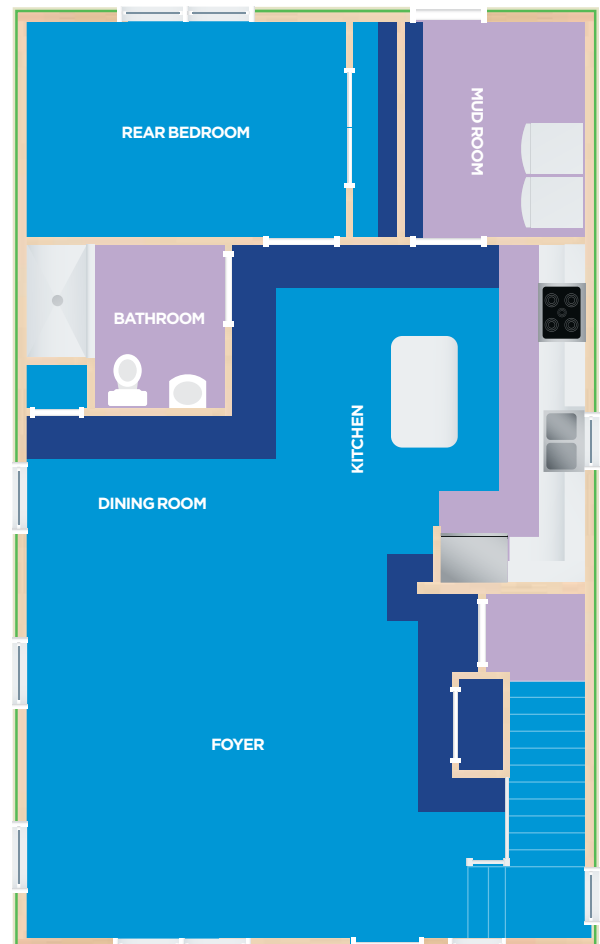
#### Windows

- Anderson® 400 Series Low E Window Systems

### SECOND FLOOR



### FIRST FLOOR





# Rebuilding Communities and Lives

**“The Saint-Gobain family of companies and its employees share our vision of giving young people the opportunity to transform their own lives while building affordable green housing in their communities.”**

**Dorothy Stoneman**  
Founder and Former CEO,  
YouthBuild USA



## ABOUT YOUTHBUILD USA

YouthBuild USA is the nonprofit support center for 360 local YouthBuild programs operating in 23 countries, with 260 programs in 44 U.S. states and 100 programs in 22 other countries. In YouthBuild programs, unemployed, low-income, and out-of-school young people ages 16 to 24 work toward their high school diploma or equivalency, while learning job skills by building affordable housing and other community assets in their neighborhoods and engaging in community service and leadership training. Proven effective by the most rigorous program evaluation research, YouthBuild's comprehensive model gives graduates the confidence and tools they need to become strong, responsible, and ethical young leaders.

For more information, visit [www.youthbuild.org](http://www.youthbuild.org).

## ABOUT SAINT-GOBAIN IN NORTH AMERICA

Saint-Gobain, one of the world's largest building materials companies and manufacturer of innovative material solutions, helps create great living spaces by combining comfort and sustainability. For more than three-and-a-half centuries, Saint-Gobain has been enhancing the well-being of people everywhere, whether it's by addressing climate change, delivering true sustainable development, advancing the information revolution, participating in medical breakthroughs or playing a vital role in space exploration.

[www.saint-gobain-northamerica.com](http://www.saint-gobain-northamerica.com)



**Saint-Gobain North America**

20 Moores Road  
Malvern, PA 19355 USA

[saint-gobain-northamerica.com](http://saint-gobain-northamerica.com)