



CHALLENGE

Illya's overriding project goal was to change federal policy in post-disaster housing recovery to meet the challenges of the 21st century, creating a high-performance prototype that demonstrates that resilient, sustainable homes are cost-effective and attainable for everyone. The replacement of the family home of a +LAB client who lost her house during Superstorm Sandy in October 2012 was the project that made this possible.

The client partnered with Illya and his design team to advance sustainability and resilience concepts, giving tours to city officials, design professionals, and Breezy Point neighbors alike.



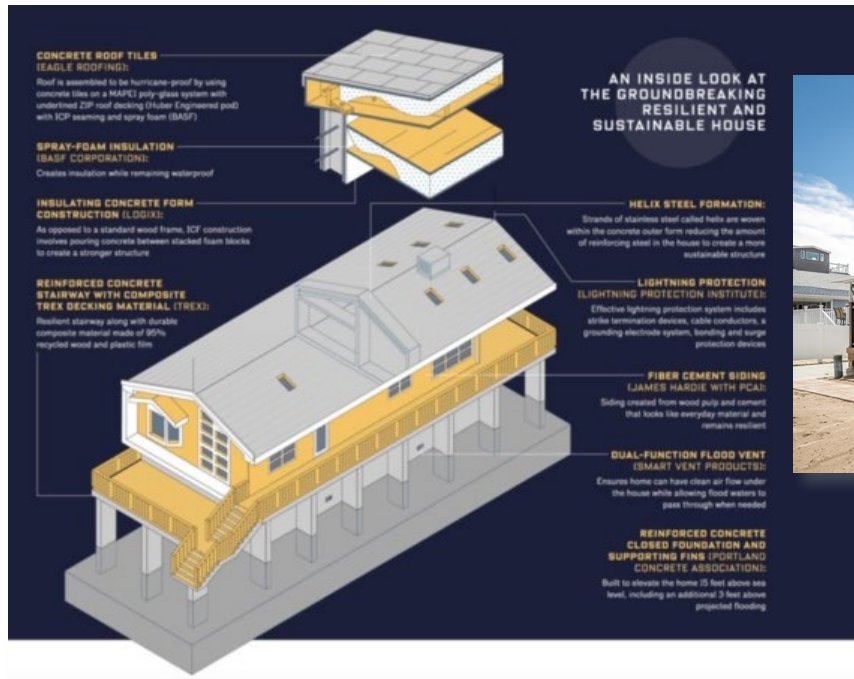
Illya is an important partner with the City of New York, helping us think through policies that support resilient construction. Illya created a new precedent for balancing climate mitigation and climate adaptation with his design of the HurricaneStrong House in Breezy Point, Queens as part of New York City's Build It Back program."

- Eric Wilson, Deputy Director, Land Use & Buildings, NYC Mayor's Office of Resiliency

DECLARATION OF RESPONSIBILITY

I have personal knowledge of the nominee's responsibility for the exhibit listed above. That responsibility included largely responsible for design.

Erik Jester, Associate AIA
Senior Associate, +LAB Architect PLLC
Project Manager



↑ Final view of completed home, resilient, cost effective, and attainable

↑ Wired magazine breaks down resilient and sustainable measures for the All Hazard HurricaneStrong house

ROLE

Illya served as design architect of record for this all-hazard hurricane home. Existing federal guidelines for replacement housing following disasters do not focus on building back better to address the future shocks and stressors of climate change. +LAB's goal was to advocate for better methods and materials to create a sustainable, resilient house that could withstand climate change-related events. With access to the federal funding that helped to support Build It Back NYC, Illya was able to break through some of the institutional constraints that typically govern housing design, proving that you can build better and for the future with the same budget. of Homeland Security (DHS), the Federal Emergency Management Agency (FEMA), and the National Voluntary Organizations Active in Disaster (NVOAD).



↑ Site meeting reviewing the all-hazard passive house construction process

EXHIBIT 3.4 | All Hazard #HurricaneStrong Home - Breezy Point, Queens, New York



← Tours of the house for city agencies and visitors continue to spread knowledge and information on resilient building practices



↑ Entire team with industry partners FLASH, FEMA, BASF, and Diane the owner receiving keys to the house

OUTCOMES

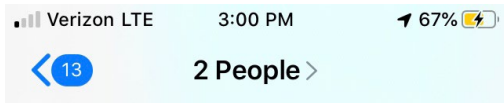
To create this new housing pilot project, Illya and his team brought together an innovative team of multiple industry partners such as the Portland Concrete Association (PCA), Simpson Strongtie, BASF, not-for-profit organizations such as the Federal Alliance of Safe Homes (FLASH), and New York City agencies Housing Preservation and Development (HPD), the Mayor's Office of Resiliency (MOR), and the Office of Emergency Management (OEM). That collaboration, along with the house itself, demonstrated new ways of thinking about housing and climate change.

#HurricaneStrong's reputation spread, making it a must-see project for city agency representatives and architects. FEMA broadcast from the site and uses as a best practices case study. In 2018, AIA National hosted A'18, its annual convention, in New York City, and the house was featured on a tour of resilient post-Sandy projects in the Rockaways. In 2019, AIA National featured the house as the seed film for its national film challenge. And Illya continues to give plans away to disseminate information about the project.

The finished building confirms that a house does not have to look different - it just needs to perform differently. As a passive house, #HurricaneStrong also sets a new standard for sustainability. The City of New York has adopted the house as an example of the next generation of housing. Illya is also on a national HUD task force that is generating new guidelines for post-disaster housing recovery strategies and mitigation standards for buildings.

Project completed June 2019
 Firm of Record: +LAB Architect PLLC Architecture
 Architect of Record: Illya Azaroff
 Selected as AIA Film Challenge seed film

Recognition: [LINK](#)



Tue, Nov 12, 4:28 PM
 Diane Breezy

We have a power outage guess who's only house is lit on the block mine thank you for the generator

DB

Great timing On getting it connected too!

EJ

Diane that's great news! It's going to get cold out there stay warm! Great to hear Kohler came through

Fri, Dec 20, 1:04 PM



↑ How we won: Diane lets the team know that the house performs as intended



↑ "Resilience does not have to look different, it has to perform differently." - Azaroff

AIA Film Challenge

The AIA Film Challenge 2020, which will launch in May, calls for stories that highlight the partnership between architects, civic leaders, and their communities in mitigating climate change.

[View the 2019 winning films >](#)

The documentary short film that launched the AIA Film Challenge 2019 highlights the Hurricane Strong Home, designed by Illya Azaroff, AIA of +LAB. In partnership with civic leaders, federal agencies, and building product manufacturers, Illya and his team set out to design a resilient and sustainable home for Breezy Point, NY, resident Diane Hellelge, whose home was damaged from Hurricane Sandy.

