PHNX

DEVELOPMENT

Redefining Resilient

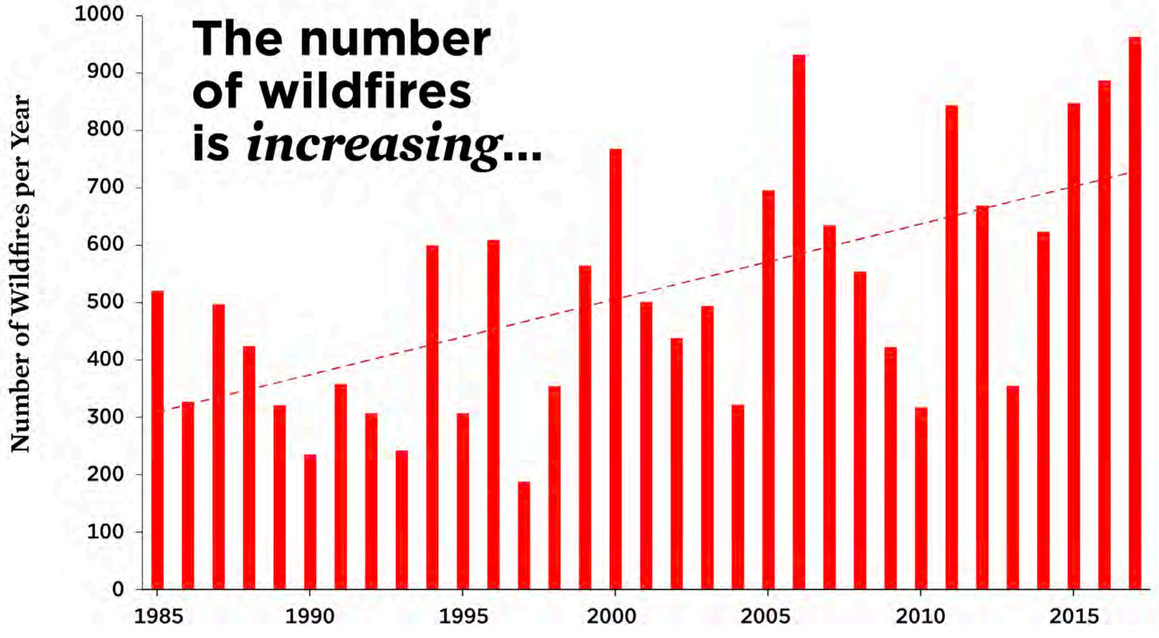
Building True Forever Homes

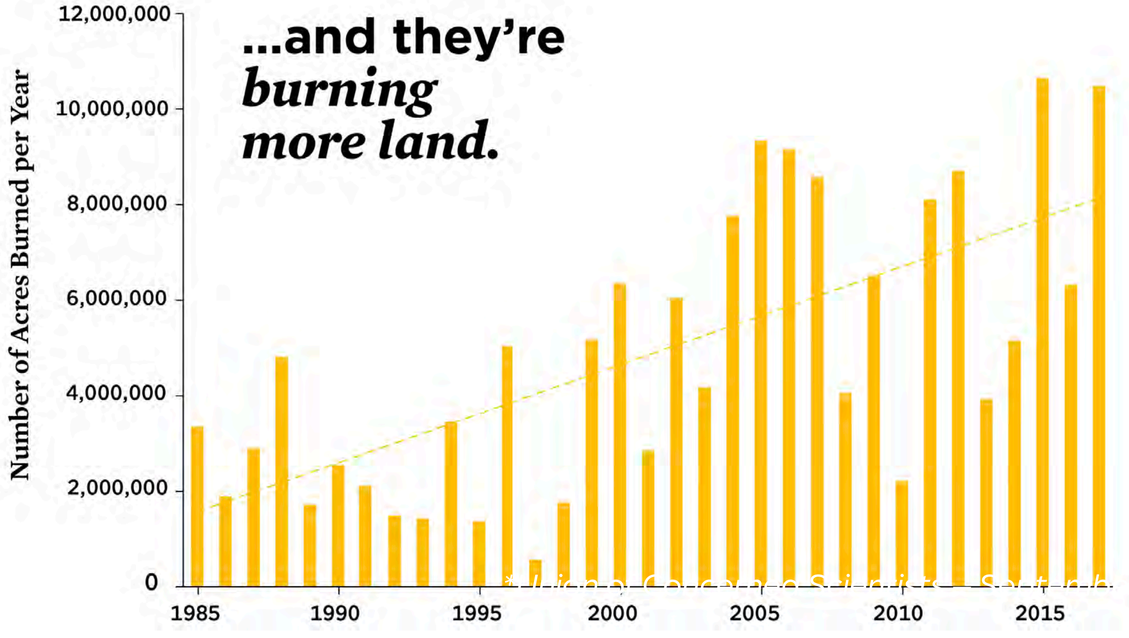
June 29, 2022

Laurie Fisher

PHNX Development | CEO + President

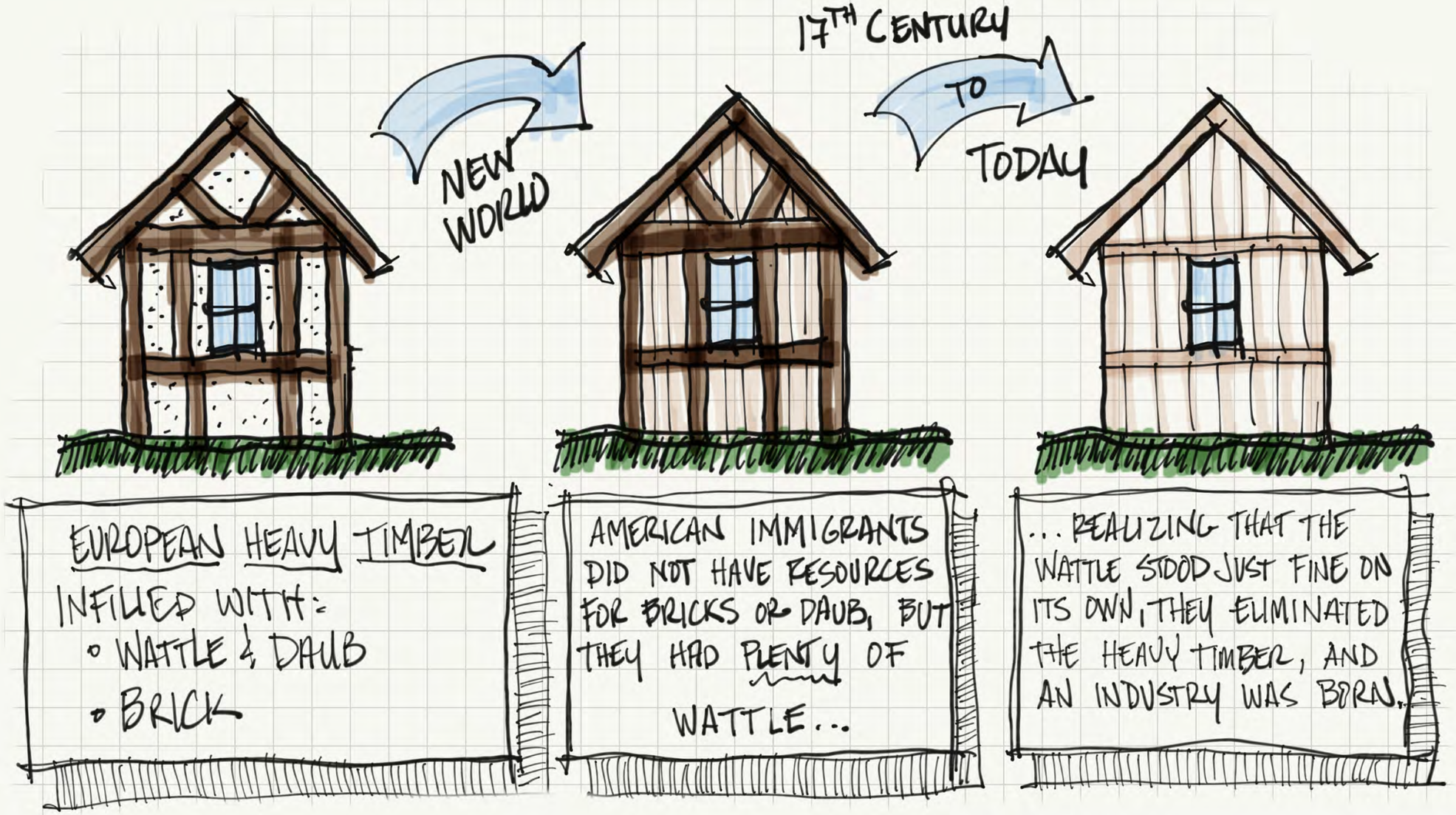
Since 2015 the United States has experienced roughly 100 more wildfires every year.






We are losing homes faster
than we can rebuild them
...under the pressure, we build the
way we always have, instead of
the way we **should**

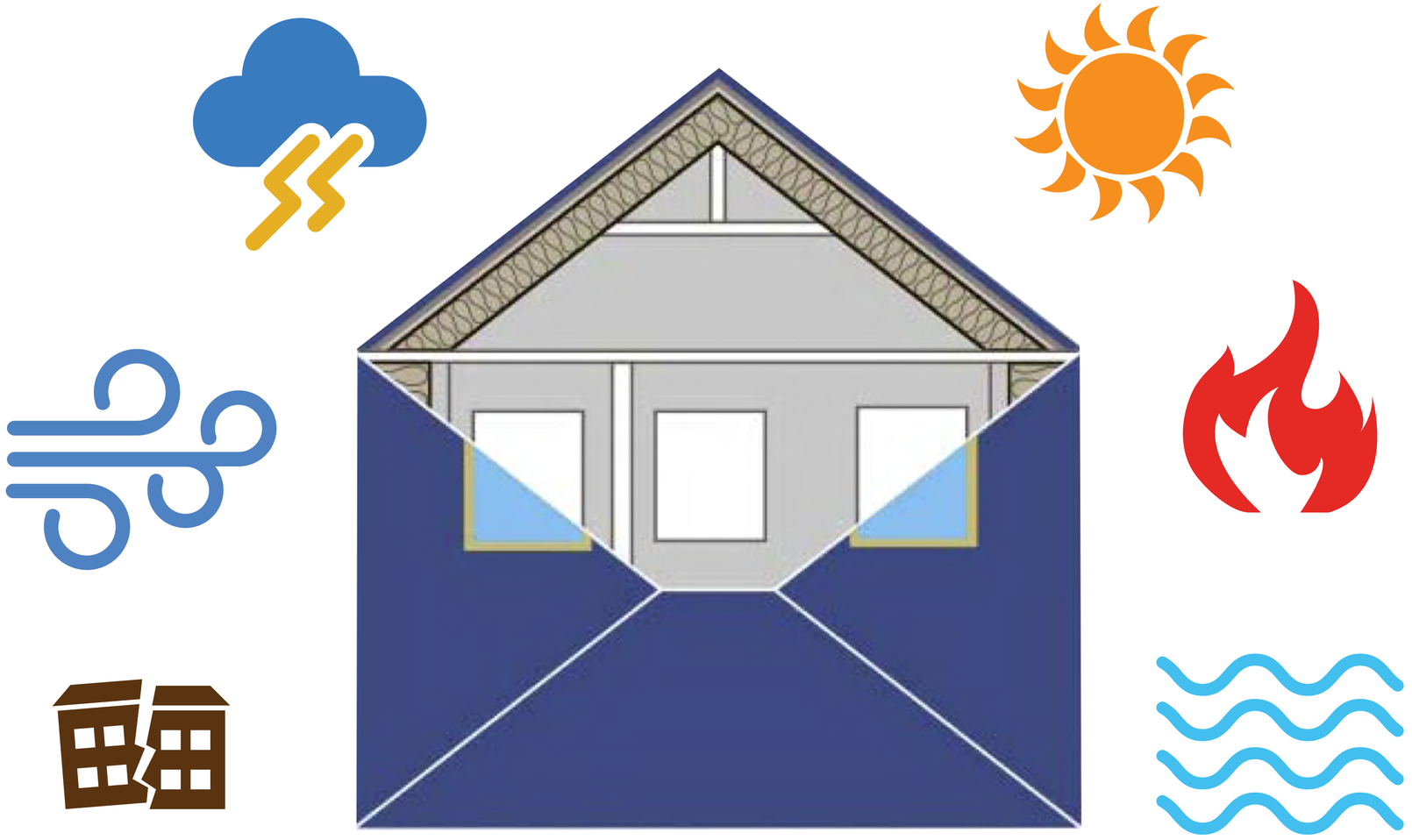
Why wood? A uniquely American History...



Things we have to do to keep wood from ~~failing~~ failing:

- Wrap it
- Spray it
- Treat it

Building Envelope Vulnerabilities




1
STEP
FORWARD
2
STEPS
BACK


What we've been describing so far is
fire resistance...
...when what we really
want to talk about is
resilience

But what does it mean to be *resilient*?

Resistance

Safety now

Resilience

Safety forever

Climate change is fueling wildfires. Here's how.

Temperatures are rising

Average annual temperatures in the Western US have increased 1.9°F since 1970.

Snow melts sooner

Winter snowpack melts up to 4 weeks earlier than in prevous decades.

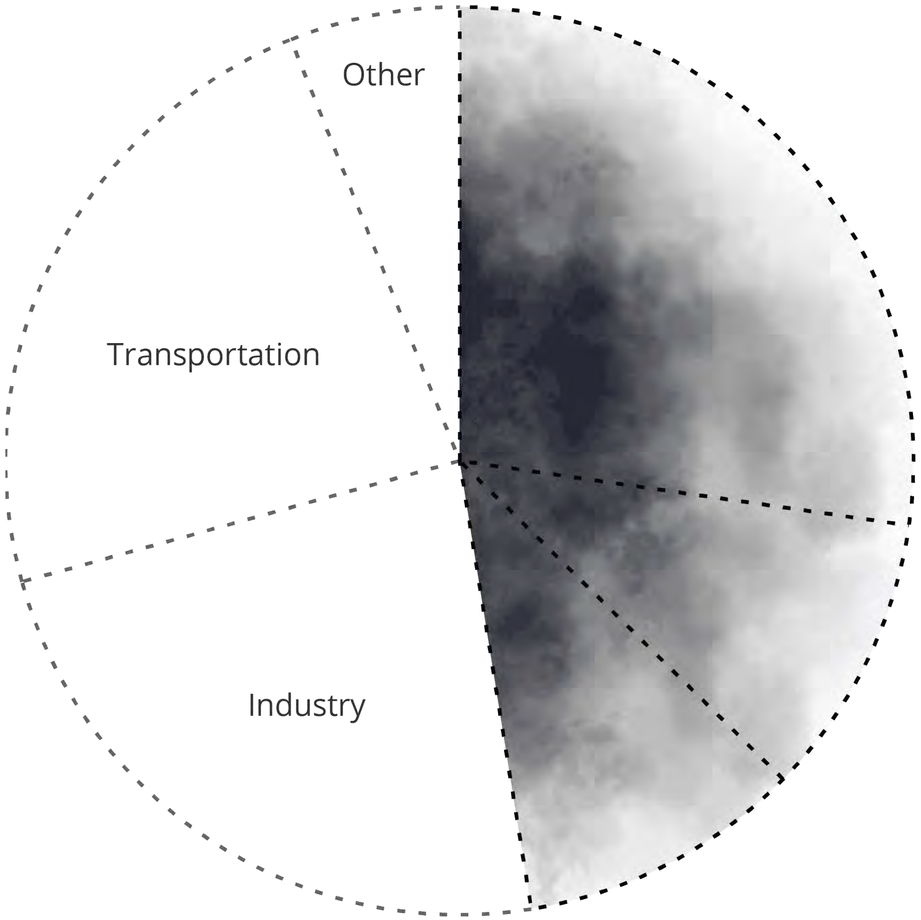
Fires are getting worse

Wildfires are larger and costlier than ever before, and their emissions are worsening global warming.

Forests are drier, longer

Ecosystems are primed for wildfires to ignite and spread.

47% of Global CO_2 Emissions Are Produced by Buildings



27% Building Operation

10% Building Materials & Construction

10% Other Construction Industry

Cycle of Insanity

Homes are destroyed

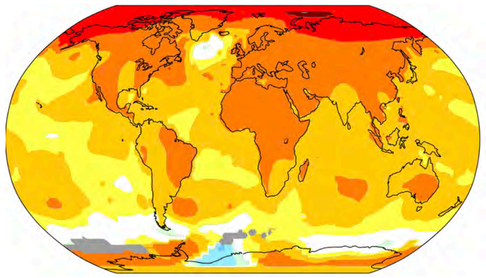
Rebuilding with Wood Construction

Fuels CO_2 Emissions

Wildfires Rage

Larger, Frequent, and more costly

Climate Change is fueled



Ecosystems are primed for wildfires to ignite and spread


Let’s break
the cycle

What if I told you....

We can design and build a home that is not only fire resistant, but *climate resilient*.


Nerd alert.

It turns out that a process that is good for fire survivors *is also good for the planet*.

PHNX
HOME

Santa Rosa Fire rebuild construction experiences:

- Budget/schedule overruns
- Incompetence/ dishonesty
- Combustible construction

What is a PHNX Home?

Forever *homes* *for* Everyone

How is PHNX Different?

The Old Way

Combustible Type V-B Construction

Grid dependent

Gas appliances

Dependence on volatile labor/material markets

Out of control budgets

Typical delivery 2+ years

Compounds the trauma of losing your home

Maintenance Costs

The PHNX Way

Non-Combustible Type I-A

Battery backup

All Electric / Net-Zero

Predictable proprietary products & systems

PHNX 10% Concept Budget

Typical delivery < 18 months

Streamlined trauma informed PHNX design process

Future Savings

Resistance

- Type IA – Non-Combustible (Highest Possible Fire Resistance)
- Insulated Concrete Forms
- Standing Seam Metal Roof
- Aluminum Clad/ Tempered Glass Windows

Resilience

- Net-Zero Energy Use
- No Fossil Fuels
- Grid Independent
- Up to 80% Less Construction Waste
- Durable "Forever" Home

Excellence

- Award-Winning Team
- Experienced Industry Leaders
- Quality Products & Materials
- Trending Interior Design
- Daylight & Natural Ventilation

Transparency

- Predictable Budget
- Streamlined Schedule
- Affordable
- Less Stressful Trauma-Informed Approach

PHNX1 Timeline

Palos Family Loses Home

Tick Fire
Oct 2019

PHNX Engaged/ Design Begins

April 2020

Plancheck Submittal

Sept 2020

Construction Start

Feb 2021

MOVE IN!!

Jan 2022

21 months start to finish!

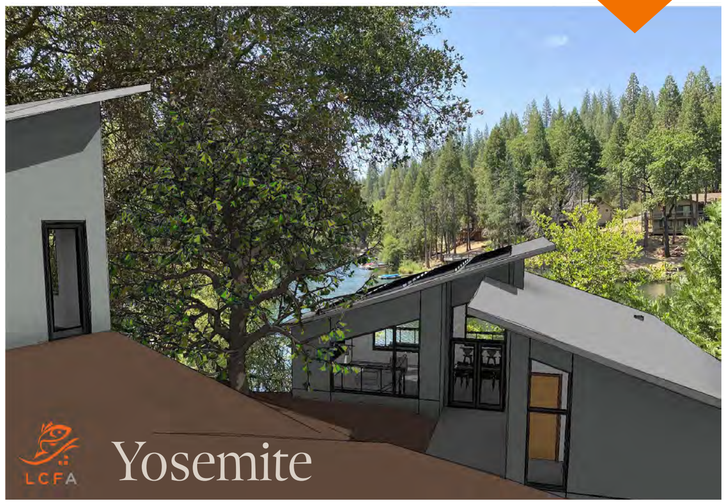
Current Projects

PHNX1
Completed
Winter 2022

PHNX3
Const. Start
Aug '22

[on the boards]

PHNX5, 6 & 7
Rancho Cucamonga, Big Bear, Chatsworth



PHNX2
Const. Start
July '22

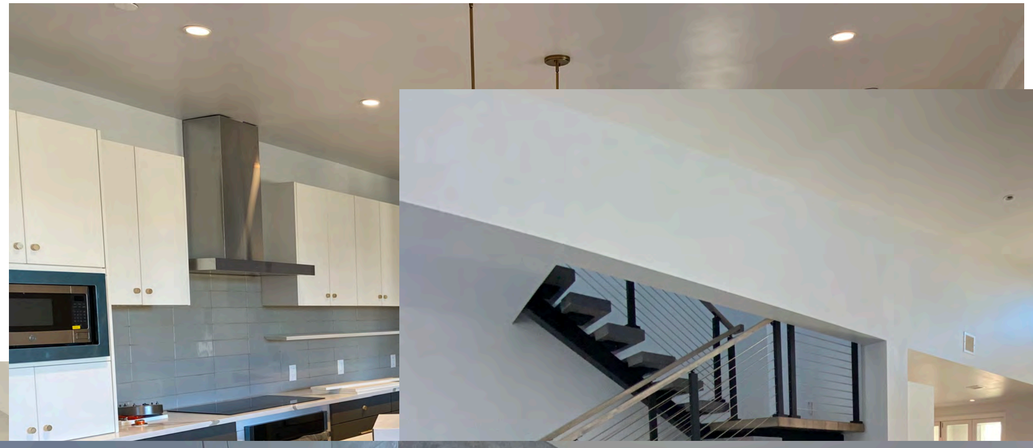
PHNX4
Const. Start
Fall '22

PHNX

DEVELOPMENT

www.PHNXDEVELOPMENT.com


29526



Fire Resistance to Climate Resilience

Fire Resistant

Non-Combustible Type II Construction

Battery backup / Net-Zero

All Electric

Predictable proprietary products & systems

PHNX Budget within insurance limits

Typical construction < 9 months

Streamlined trauma informed PHNX design process

Climate Resilient

Durable, high R-value, no rot or pests

Energy efficient

Fossil fuel independent

Reduces construction waste by as much as 80%, high recycled content

A PHNX Home *will* get built

Less disruption to the environment

Less stressful process promotes the well-being of *all* humans involved

Fire & Disaster Resistance

- Type II Non-Combustible Construction
- Insulated Concrete Forms
- Standing Seam Metal Roof
- Aluminum Clad/Tempered Glass Windows

Climate Resilience

- Net-Zero Energy Use
- No Fossil Fuels
- Grid Independent
- Up to 80% Less Construction Waste
- Durable "Forever" Home

Design Excellence

- Award-Winning Team
- Experienced Industry Leaders
- Quality Products & Materials
- Trending Interior Design
- Daylight & Natural Ventilation

Clarity & Transparency

- Predictable Budget
- Streamlined Schedule
- Affordable
- Less Stressful Trauma-Informed Approach