

# Innovative Affordable Housing Building Methods

sponsored by  
Florida Housing Finance  
Corporation's Catalyst  
Program

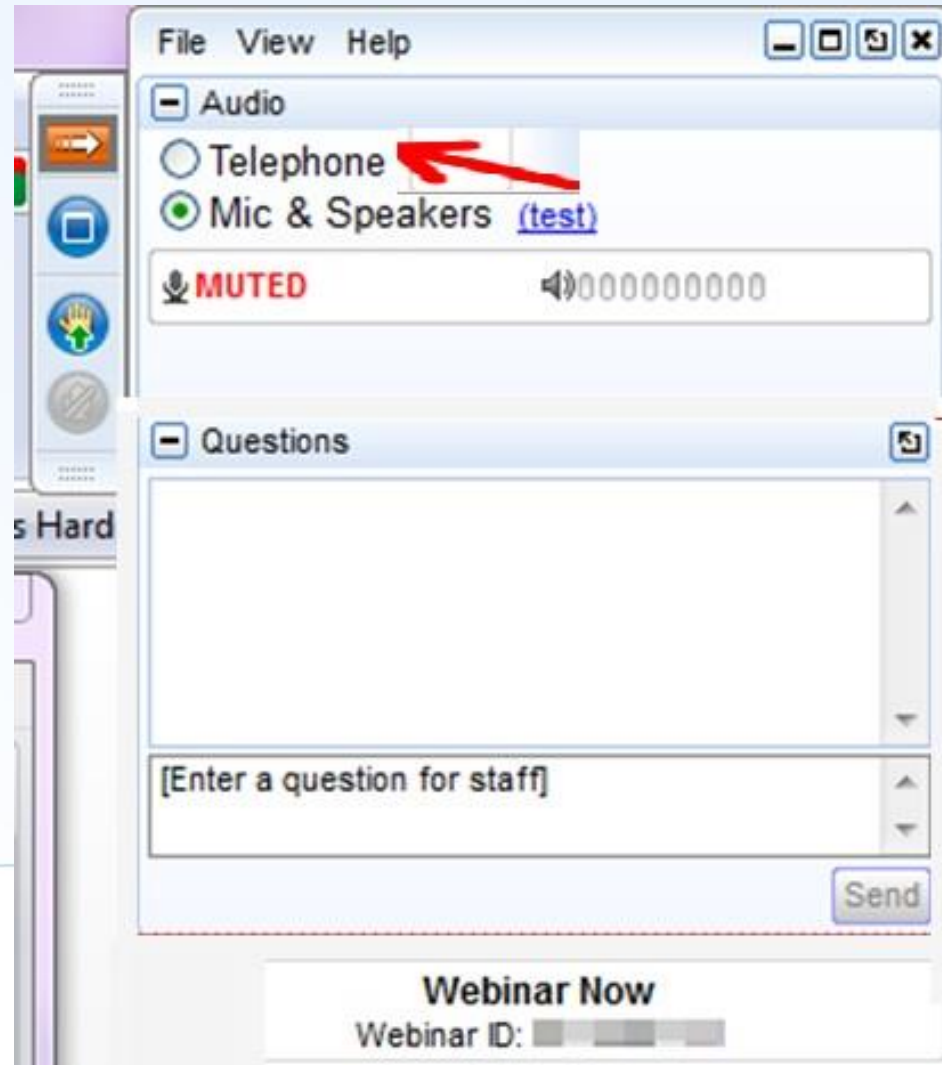
[www.flhousing.org](http://www.flhousing.org)



# All Participants Call In with Telephones

FIRST: Click Telephone

- Dial Number
- Enter Access Code
- Provide Audio Pin



# Catalyst Training Schedule



Fine Tune Your SHIP Program  
REGISTER NOW FOR

## CATALYST TRAINING



Register Now for SHIP Catalyst Training!

Four small circular navigation dots are located at the bottom center of the slide.

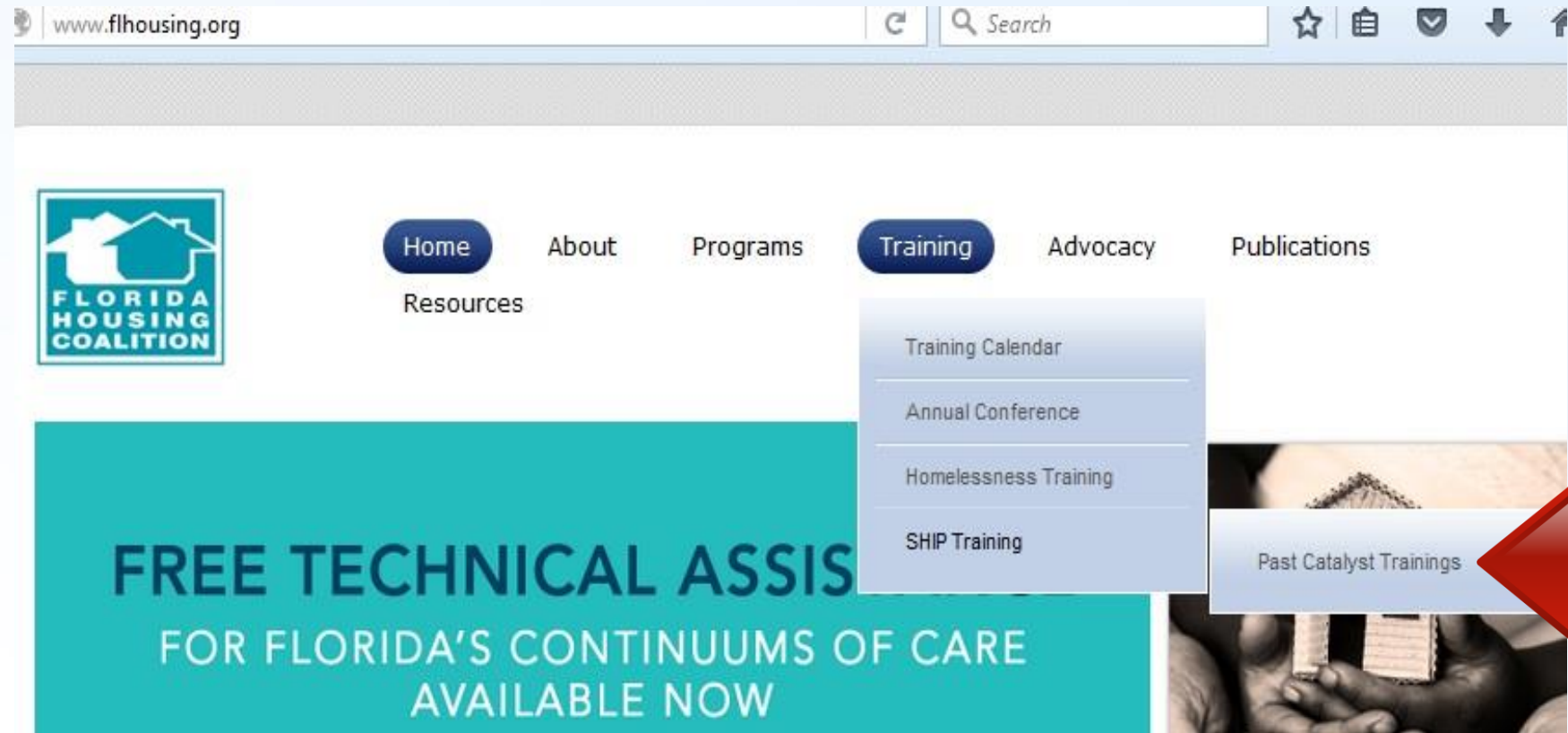
The Coalition is Florida's affordable housing training and technical assistance provider.

The Florida Housing Coalition is commonly acknowledged as the foremost authority in Florida on affordable housing, community development and related issues, as a clearinghouse for information, a provider of training and technical assistance, and an advocate at the state and national levels for people in need of affordable housing.

[www.flhousing.org](http://www.flhousing.org)



# Library of Catalyst Trainings



The screenshot shows the website [www.flhousing.org](http://www.flhousing.org) with a search bar and navigation menu. The navigation menu includes: Home, About, Programs, Training, Advocacy, and Publications. The 'Training' menu is open, showing options: Training Calendar, Annual Conference, Homelessness Training, SHIP Training, and Past Catalyst Trainings. A large red arrow points to the 'Past Catalyst Trainings' link. Below the navigation is a teal banner with the text: 'FREE TECHNICAL ASSISTANCE FOR FLORIDA'S CONTINUUMS OF CARE AVAILABLE NOW'. To the right of the banner is a photo of hands holding a small house model.

**‘Past Catalyst Trainings’**



# Presenter



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# Presenter



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In collaboration with:



for

Innovative Affordable Housing Building Methods Webinar

CHANGING THE WAY WE BUILD 



CHANGING THE WAY WE  
BUILD

Eco  
Building  
Armor  
Systems™



Powered by:  
Innova Eco Building  
System

**Magnesium Oxide (MGO)**  
**Structural Insulated Panel (SIP)**



**PROVEN, STATE OF THE ART**  
**BEST IN CLASS**  
**CUTTING EDGE**

Tested and Approved by America's  
toughest Building Codes

NOA # 14-1202.06

**MADE IN THE USA**





**BACKGROUND**

*Why did Capital Group select Innova Eco Building System to create Eco Building Armor Systems as its preferred manufacturer of SIPs (Structural Insulated Panels) for Builders, Developers, Property Owners and Consumers?*

As an entrepreneur and award winning builder & developer, we are always looking to improve. Following years of research, we identified a product we believe in that could do the following:

- Less costly compared to humanitarian standards and similar quality products.
  - Builds stronger buildings.
  - Provides a better quality building.
  - Earthquake Resistant\*
  - Hurricane Resistant\*
  - Mold Resistant\*.
  - Ability to build new or renovation construction projects faster.
  - Significantly reduces operating costs of a property including insurance.
  - Eco friendly, which enables customers to possibly qualify for grants/ other benefits by using this green certified product line.
  - Potential Grants up to \$5,000 for end users.
- Fire Resistant\*
  - Sound Resistant\*
  - Water Resistant\*
  - Bug Resistant\* material.

\* See specs and details at [www.InnovaEcoBuildingSystem.com](http://www.InnovaEcoBuildingSystem.com)





# Individual & Community Empowerment

## Provide Education and Job Creation with Eco Building Armor Systems Installer & GC Certification

Innova Eco Building System

The manufacturer, Innova Eco Building system, in collaboration with Eco Building Armor Systems provides on site training and 3 day training certification for installers.

### Minimum requirements:

- Honest
- Reliable
- Willing to learn and make a difference
- Take pride in your work
- Substance abuse free



### OPPORTUNITY

- Bring jobs to the community you build in.
- Low skill level requirement due to the simplicity of the installation process.
- Big demand for installers.
- GC contracts available for GC Certified, Eco Building Armor Panel Installation and General Contractor.



# The Demonstration Project



Building the "Modernista"  
Pompano Beach 2016



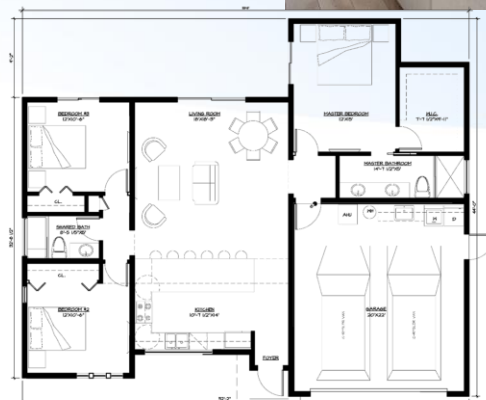
Modernista: from \$125 PSF (under roof) completed move in ready on your lot Other models available starting at \$75 PSF



4620 NE 18<sup>th</sup> Avenue  
Pompano Beach



**1,398SF** under air  
2 Car Garage 465 SF  
**1,878** square feet under roof  
3 Bedrooms  
2 full bathrooms  
Multi Generational ready  
High ceilings: 12' and 10'



## Green Construction:

- Hurricane resistant
- Impact windows
- Water resistant
- Fire resistant
- Mold resistant
- Bug resistant
- R38 wall insulation
- R50 roof insulation



# The Demonstration Project



Completion of slab day 1

Construction of a regular slab

Panels are delivered in the right order and numbered ready for assembly  
Free delivery within 60-miles of Miami



Material Delivery Day 1



Squaring up the house and installing the floor plate

4 to 5 person crew  
1 skilled 3 to 4 unskilled





Anchors ties from the slab to the roof



Corner post 1



Wall 1 Panel 1 sits on base plate up against the post 1





Panel 1 sits on base plate up against the post 1



Wall 2 Panel 1 sits on base plate up against the post 1 creating corner 1



Each panel is identified and certified Miami Dade Approved **WIND CODE**

Miami Dade County Product Control Approved  
NOA No. 14 - 1202.06



308 98 - Prod Sta - 570 - 737 - 5072 - 638 - 4 - 81

MIAMI DADE COUNTY APPROVED

Corner 1 is plum and square





First corner  
Everything is screwed  
and glued together to  
make it hurricane  
resistant



All panels are numbered  
and installers follow the  
sequence until  
completion.





All walls are completed in 2 weeks  
And electrical install has started





Like a giant Lego set  
All roof panels are  
numbered as well

R 50 Roof panel  
installation



Roof install 5 days  
After shell is installed 2  
days to install windows  
The balance of work is  
standard construction.

# Any Architectural Style! We will convert your CAD plan to a SIP Cad Plan



2,021 square feet under roof



Panel Building Shell Kits vary between:

- \$36psf to \$65+ psf of building

Install costs vary depend on complexity of model between:

- \$10 psf to +/- \$20psf

3 weeks Kit delivery from completed order



**Any Architectural Style!**  
**We will convert your CAD plan to**  
**a SIP Cad Plan**



Contemporary Style



Key west Style



Also Available for  
Micro Apartments  
& Homes



## Residential Accessories and Additions

- In-law suite additions
- In-law suite additions with one or two car garage.



## COMMERCIAL APPLICATIONS: APARTMENT BUILDINGS

- Products are more durable, economical and faster to build.
- Substantial operating cost savings which translate in better cash flow and additional value for your property.
- Free Standing Apartment Building kits for corporations, non profits, charitable organizations.
- Training and certification for your favorite builders and developers.
- Full turnkey installation including coordination of designer services with your design team.



## COMMERCIAL APPLICATIONS OFFICE

- Free Standing office kits for corporations and corporate HQ's.
- Multi tenant or single tenant design.
- Training and certification for your favorite builders and developers.
- Full turnkey installation including coordination of designer services with your design team.



## COMMERCIAL APPLICATIONS: INDUSTRIAL

- Industrial and flex kits for corporations
- Training and certification for your favorite builders developers.
- Full turnkey installation including coordination of designer services with your design team.
- Lower operating costs, stronger, more durable than traditional construction and much faster to complete.





# Capital Group Support Services

Powered by  
Innova Eco Building System

## What can Capital Group Developments and its Eco Building Armor Panels do for you?

The combination of knowledge and a state of the art product line enable us to offer you more than a standard or precut panel system.

**We can provide full turnkey support and training for Builders & Developers and customized assistance and services for Property Owners, let us know which would better serve you?**



SEE FOR YOURSELF!



**Structural Insulated  
Panel Association**

SIPs can save 55% of construction framing costs.  
Click on the link below for full details

<http://www.sips.org/press-releases/basf-study-shows-building-with-sips-reduces-framing-construction-labor-by-55-percent>



**U.S. DEPARTMENT OF  
ENERGY**

[http://energy.gov/sites/prod/files/2014/10/f18/DOE\\_ZEH\\_Amerisips\\_09-20-14\\_0.pdf](http://energy.gov/sites/prod/files/2014/10/f18/DOE_ZEH_Amerisips_09-20-14_0.pdf)

<http://www.greenbuildingsolutions.org/Main-Menu/Home/Modern-Materials-Archive/Energy-Efficiency/SIPS-and-Residential-Applications.html>

**DSIRE®**

Database of State Incentives for Renewables &  
Efficiency®

<http://www.dsireusa.org/>



SEE FOR YOURSELF!



<http://content.usatoday.com/communities/greenhouse/post/2010/02/green-homes-sell-for-more-and-faster-than-rest-of-the-market/1#.VW5hWbOh3IX>



<http://archives.huduser.org/fieldworks/0802/works3.html>



<http://www.usgbc.org/education/sessions/green-homes-summit-2014/meeting-2012-and-2015-iecc-sips-4821953>



[http://www.epa.gov/statelocalclimate/documents/pdf/12\\_8\\_what\\_is\\_green\\_GGFC.pdf](http://www.epa.gov/statelocalclimate/documents/pdf/12_8_what_is_green_GGFC.pdf)



For more information on Opportunities



**Eco  
Building Armor  
Systems™**

Powered by:  
Innova Eco Building System

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[www.EcoBuildingArmor.com](http://www.EcoBuildingArmor.com)

Or

[www.CapitalGroupUSA.com](http://www.CapitalGroupUSA.com)



# Presenter

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**Questions?**  
**Comments?**  
**Ideas?**



# Thank you for participating!

- Please complete the evaluation that will be emailed at the end of the webinar.

Florida Housing Coalition  
technical assistance hotline:

1 800-677-4548

