

Track 1 - Builders' Hootenanny

Cost Savings Strategies through Prefabricated Construction

Steve Bluestone: A new panelized version of
ICF Wall Construction

“Do one thing every day that scares you.”

Eleanor Roosevelt

1976 – 1979 SUNY Buffalo School of Architecture & Planning

1979 – 1981 Marlboro College (BS Environmental Science/Solar Energy)

1981 – 1985 Carpenter in Vermont

1985 – 2016 www.bluestoneorg.com

Current:

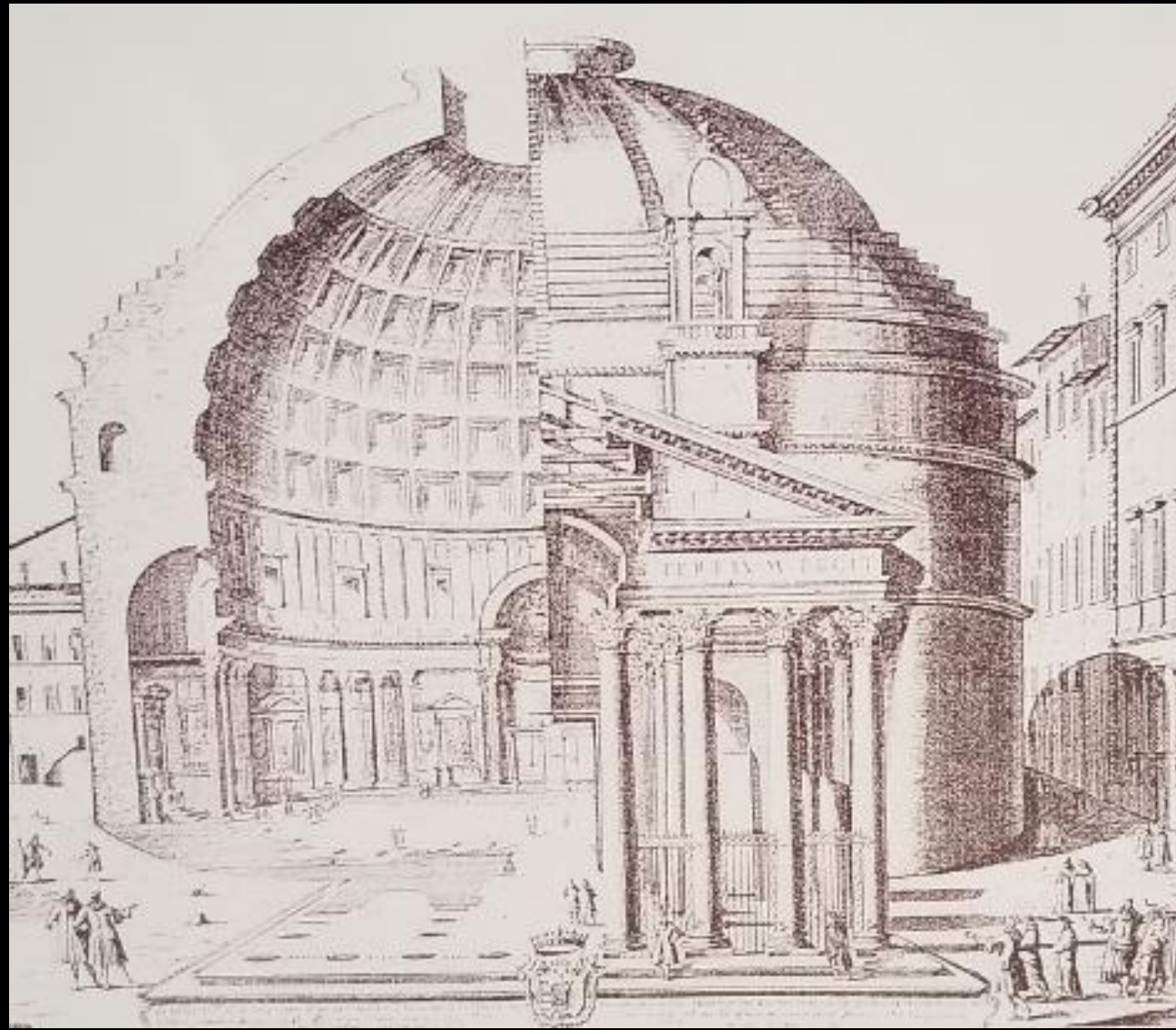
www.passivedwellings.com

www.helixrebar.com

www.icfpanels.com



M·AGRIPPA·L·F·COS·TERTIVM·FECIT



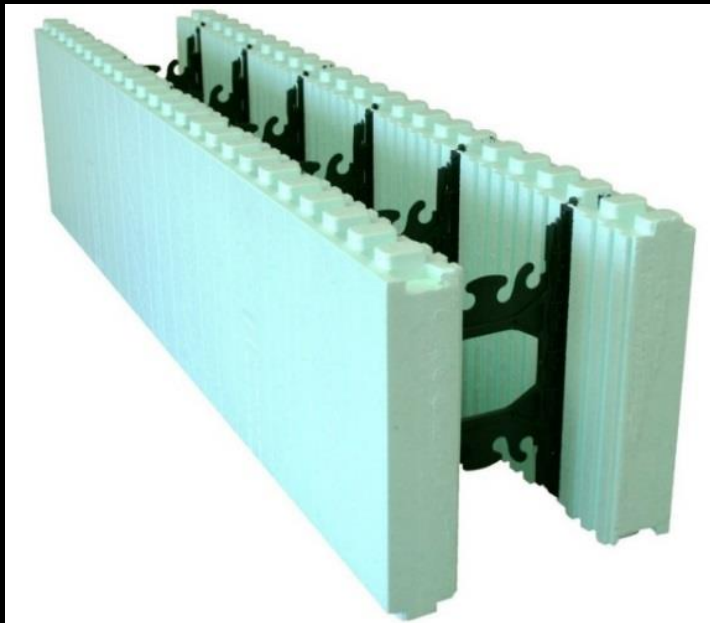






Insulated Concrete Forms (ICFs)

The (almost) perfect wall.

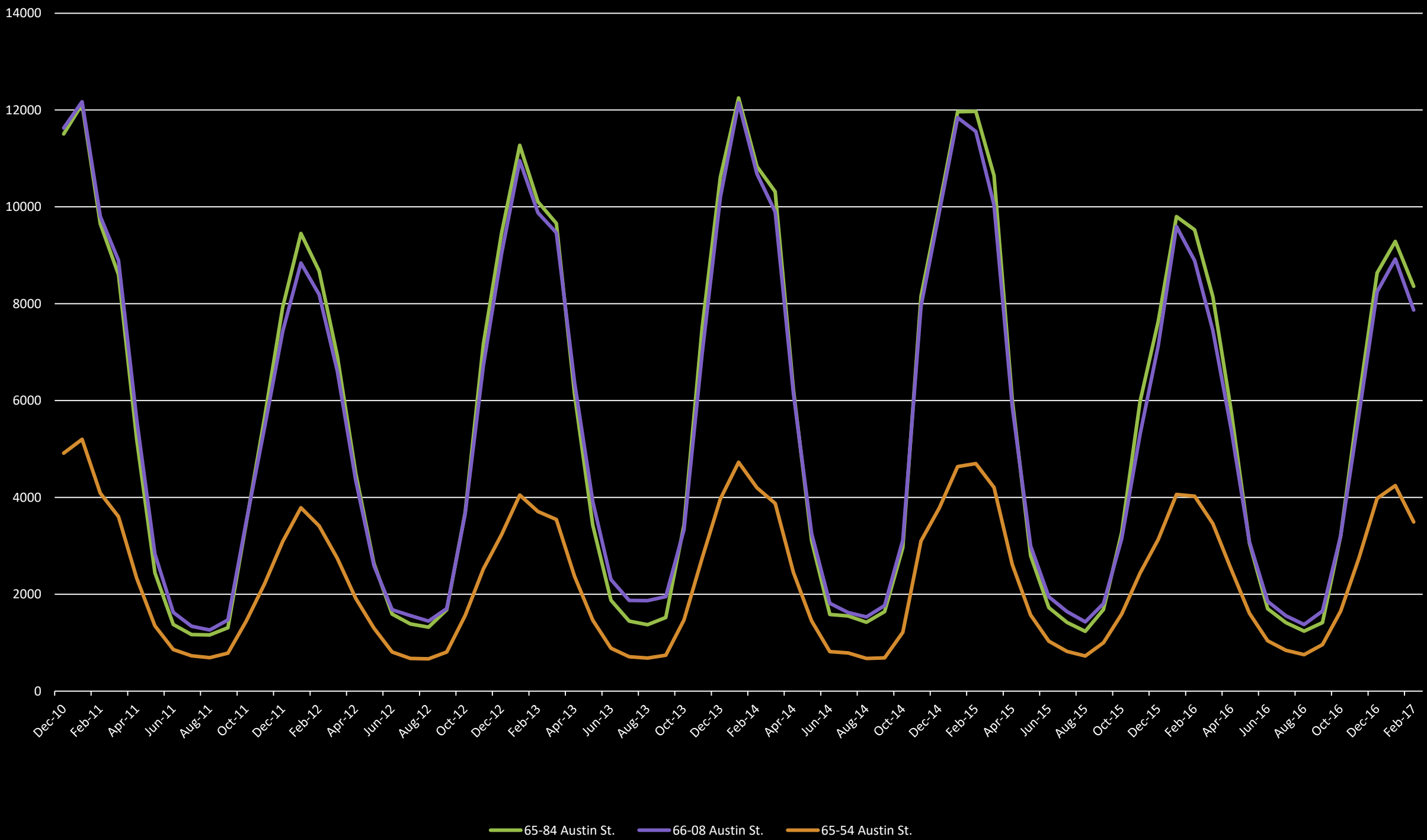


2010

2000

2000





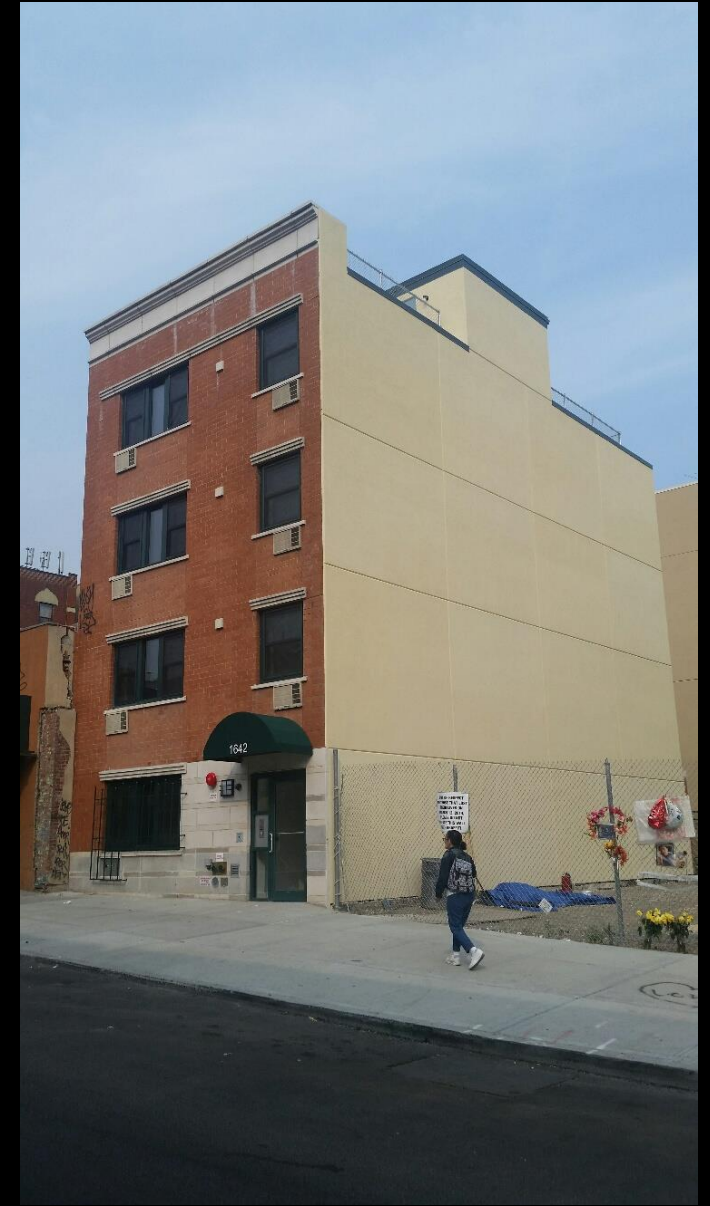
2013



March 12, 2014



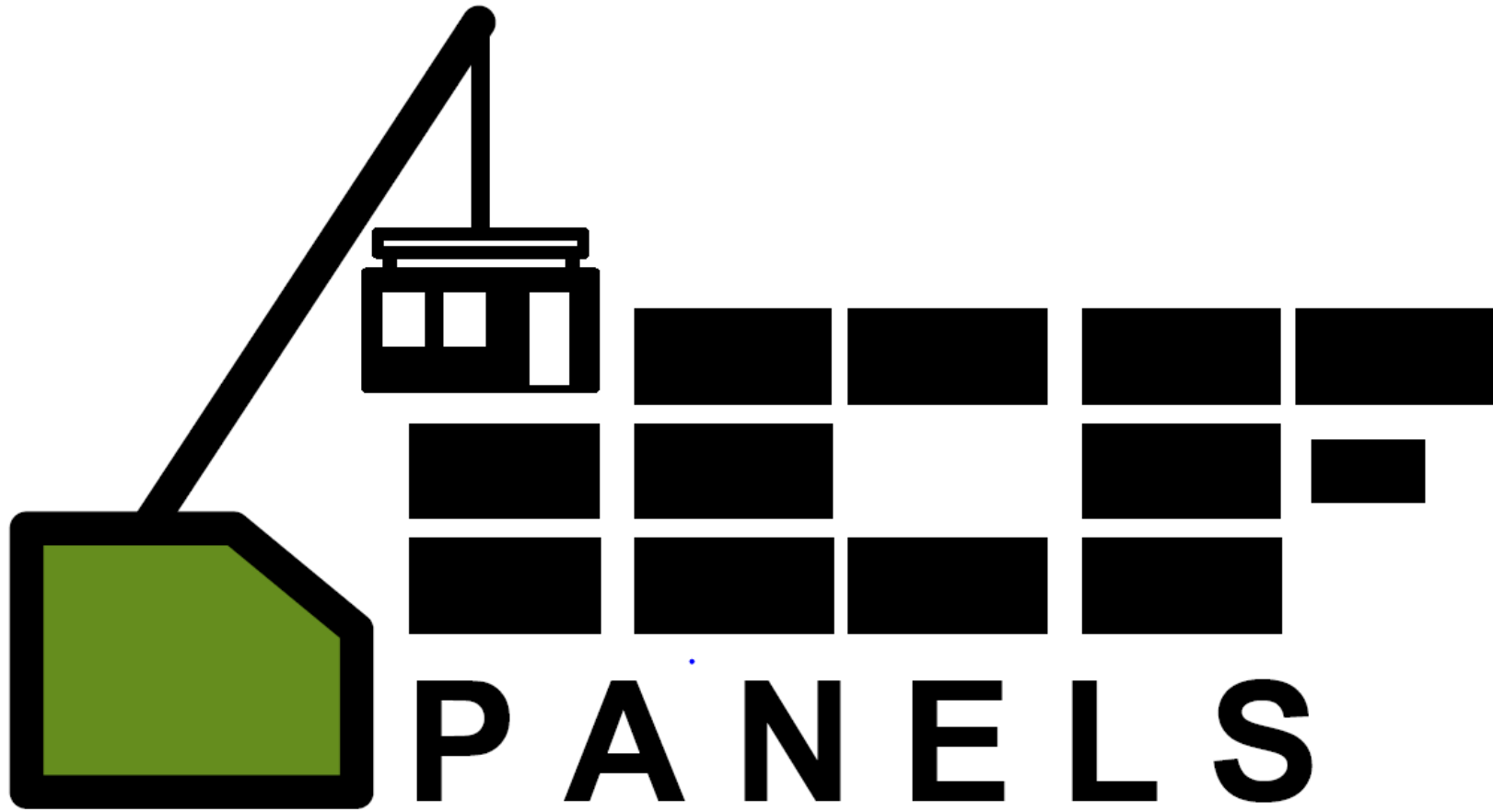
Today











PANELS









In NYC, at large non-union construction sites, 8" reinforced CMU costs \$ 18 - \$ 22 / SF today. Adding insulation, furring, and air/water/vapor barriers, & the cost is: \$ 28 - \$ 32 / SF. At the same sites, traditionally installed individually stacked, ICF walls cost \$17 - \$22 / SF (all in).

On large buildings, regular ICF walls provide for Passive House levels of insulation. You get a stronger wall, furring is built in on both sides, and there's no need to add air/water/vapor barriers (with the exception of flashing/caulking at penetrations).

ICF Panels cost roughly the same as traditionally stacked ICF walls, but take less than half the time to install as stacked ICFs. In the factory, quality is improved, working conditions are safer, and weather isn't a factor. The jobsites are cleaner, general condition expenses are reduced, and insurance costs are lowered.

End of story.

	ICF Panels	Site-Stacked ICF	CMU Construction
Energy Efficiency	✓	✓	✗
Durability	✓	✓	✗
Noise Absorption	✓	✓	✗
Winter Construction Ability	✓	✓	✗
Reduced Weather Delays	✓	✗	✗
Accelerated Schedule	✓	✗	✗
Walls Built Before Floors	✓	✗	✗
Reduced Construction Interest	✓	✗	✗
Additional Operating Revenue	✓	✗	✗
Reduced installation costs	✓	✗	✗
Reduced insurance costs	✓	✗	✗
Lowered Waste/Cleaning Factor	✓	✗	✗

www.helixrebar.com



HELIXTM REBAR
LICENSED DISTRIBUTORS



42 Broad Street
Mount Vernon, NY



Tree of Life
Jamaica, NY



25 story tower
Waterloo, Canada

Questions? steve@icfpanels.com

