



NRMCA Design Assistance Program

What is DAP?

NRMCA professional design team in conjunction with our partners will provide Design Assistance that will include enough guidance to the developer, project designer, contractor, or owner to allow them to design, specify, and/or Build with Strength



Concrete Design Center Architectural Design | Structural Design | Cost Analysis Energy Analysis | LEED Optimization

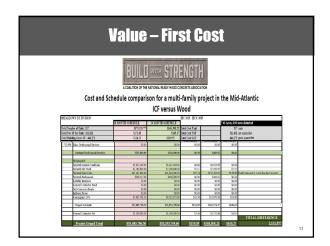
What Do Developers Want?

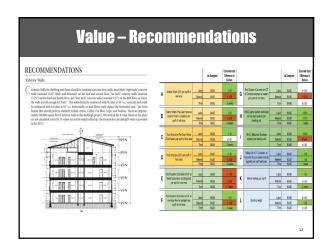


- First cost is the biggest hurdle with Developers
- They understand value of concrete –durability, noise, fire
- They appreciate seeing concrete alternatives
- REIT's understand risks of wood vs. benefits of concrete
- Increasing preference for "green building" among tenants



Value – First Cost 300 unit multi-family project in Florida Could save \$1.9M by using ICFs Trim 8-9 weeks from construction schedule • One trade – 6 steps (Concrete, Insulation, Sheathing, Furring, Air Barrier, Vapor Barrier) • Reduced Floor to Floor Height (~12" per floor – saves on finishes) • Reduced Mechanical Sizing (high performance envelope saves \$\$\$) • Reduced Electrical Service Sizing (smaller mechanical system required) • Lower Builders' Risk Insurance (non-combustible construction ~40sc) • Reduced Labor for Trades (much faster install) • Reduced Weather Delays (concrete!) • Reduced Waste (Tipping Fees)





Value – LEED Optimization

- Energy
- Life cycle assessments
- Environmental product declarations
- Noise reduction
- IAQ
- Innovation
- Resilience



Value – Energy Efficiency

PHIUS

"The best performing building in a multifamily new construction four stories or greater that SWA has ever worked on in that category." – Steven Winter Associates, Inc. (SWA)

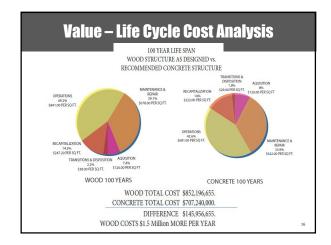
Introduction

Beach Green Dunes will be designed to meet stringent energy standards set by Passive House Institute US (PHIUS), the New York State Energy Research and Development Authority (NYSERDA), and more. The development will also include resilient features to weather the heavy storm conditions in Far Rockaway, Queens, New



Value — Life Cycle Cost Analysis

40 Year Life Span
Wood Structure as Designed Vs.
RECOMMENDED CONCRETE STRUCTURE
OFFERDORS
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Concrete Design Center

Are you looking for more cost-effective ways to integrate concrete into your building projects?

Looking for an easy way to secure an advantage over your competition?

Could you benefit from having free design support to win that next project?

NRMCA's Concrete Design Center is for YOU!

Let NRMCA help you win that next project and differentiate your business to give you the competitive edge you need.



THE TEAM



Lionel Lemay Sr VP, Structures and Sustainability



Tien Peng VP, Sustainability Codes and Standards



John Loyer Sr Director, State and Local Government Affairs



James Bogdan Sr Director, Sustainability Initiatives



Gregg Lewis Sr Director Building Innovations



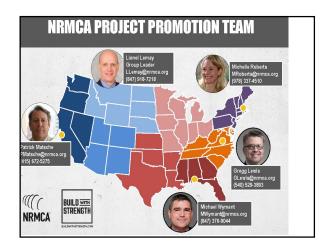
Michael Wymant Sr Director Building Innovations



Michelle Roberts Sr Director Building Innovations



Patrick Matsche Sr Director





Questions?	
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