

# *Enhancing the Viability of Urban Housing Projects through Structural Buildover and Reuse*

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**Sustainable design is the philosophy of designing physical objects, the built environment, and services to comply with the principles of social, economic, and ecological sustainability.**

**Shelter Island Residence**  
Shelter Island, NY  
Cary Tamarkin, Architect



**LEERA**



MetroGreen Apartments  
Stamford, CT  
Perkins Eastman, Architect



**LERA**





Lodha World One Tower  
Mumbai, India  
Pei Cobb Freed, Architect



LEREA





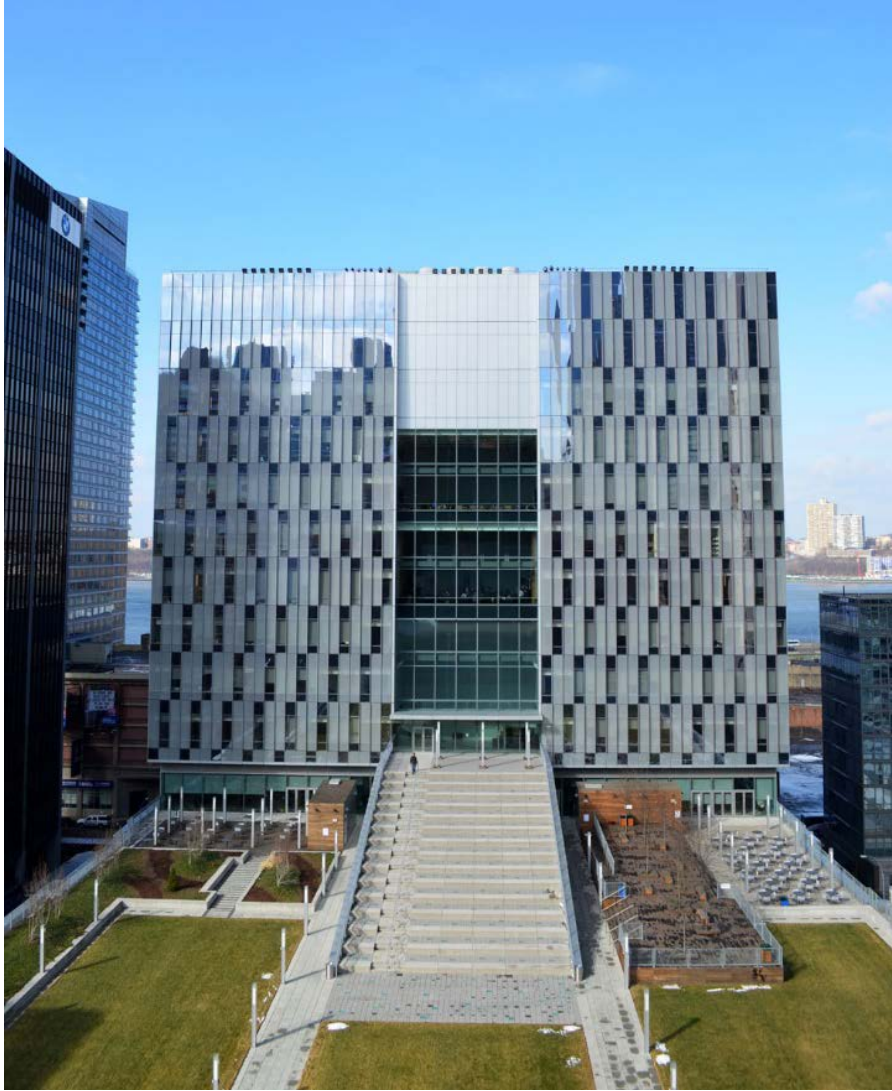


***“New York City Is Already At Its 2020 Population Forecast”***

**– New York Yimby, April 2015**



# Buildover Strategy



**LERA**



# 47 E91st Street















## The System:

Conventional Concrete Residential Building Above Table

Steel Table

Concentrated Lateral System at Easement

Needled-in Columns



**Concentrated Lateral System at Easement**





**Needled-in Columns**































# Questions and Answers



**Thank You**