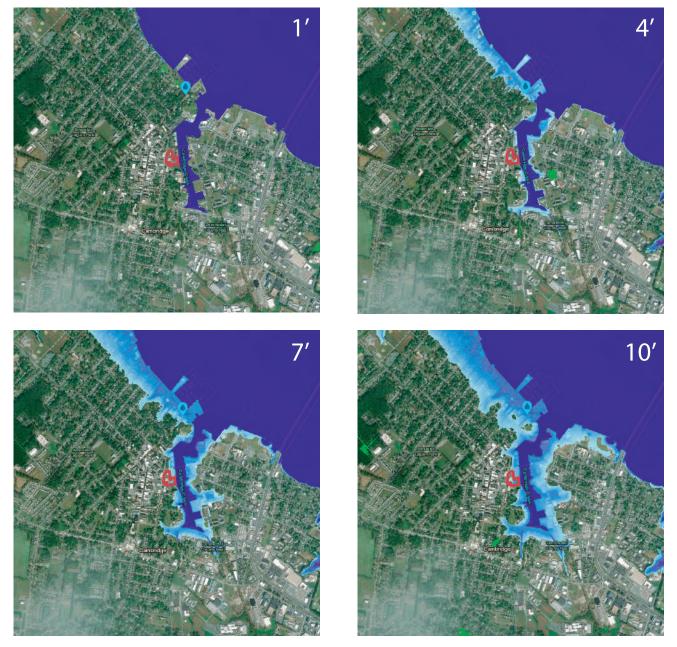
CAMBRIDGE Multi-Family Housing

ISABELLA ADEKOYA

'By 2050, hundreds of millions of people will be displaced from their homes either temporarily or permanently due to climate related hazards and climate induced conflicts. What is the role of architecture in climate- related forced migration?'

Nerea Elorduy



Sea Level Rise Viewer Cambridge, MD coast.noaa.gov/slr/

BLACK RESILIENCE: PINE STREET RACIAL UNREST





Gloria Richardson and protestors facing National Guard troops, Cambridge, Maryland, ca. 1963

Cambridge Maryland has a significant history and was once a "stop" on the Underground Raildroad. The Choptank River was used many times by Harriet Tubman and her "passengers" on their northward journeys. In the 1960s, the Pine Street neighborhood was the center of a nationally significant chapter in the civil rights movement. The civil-rights-era chapter ended badly for Pine Street, with a tragic fire in 1967 that destroyed two blocks of the community.

PSYCHOLOGY OF BLACK RESILIENCY

BUILD CONNECTIONS

Prioritize Relationships
Join a group
FOSTER WELLNESS

Mindfullness Avoid Negativity

FIND A PURPOSE

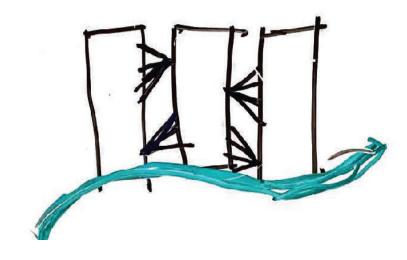
Help Others Be Proactive

EMBRACE

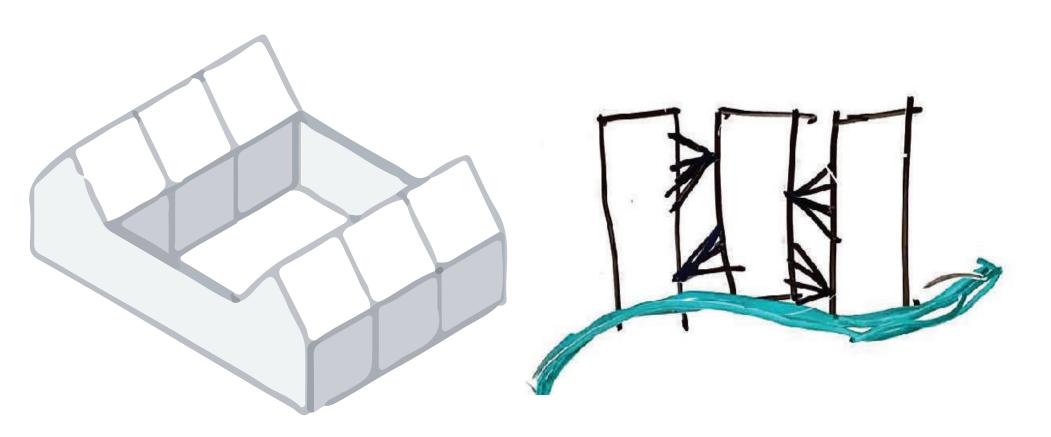
Accept Change Learn Hopeful Outlook

HOW CAN THE IDEA OF RESILIENCY BE REFLECTED IN FORM?

Provid strategies to recognize and respond to adversities the displaced residents face.



HOUSING TYPOLOGY PRECEDENTS



ATTACHED UNITS WITH COURTYARD

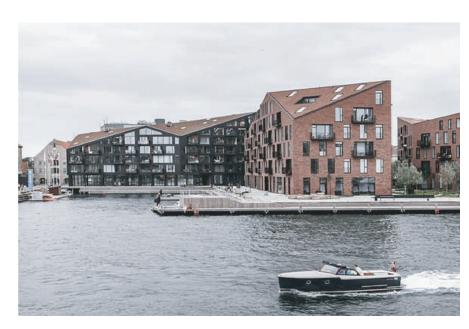
CONCEPT SKETCH:
CONNECTIVITY BETWEEN
BUILDINGS AND
EMBRACING WATER

HOUSING TYPOLOGY PRECEDENTS

Scandinavian design is a design movement characterized by simplicity and functionality along bodies of water. Many Nordic countries **embrace** the water with their architecture.



Town hall in Tønder, Denmark



Krøyer Square / Vilhelm Lauritzen Architects + COBE

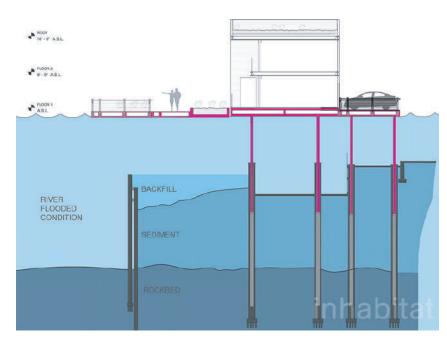


Floating homes in Amsterdam's IJBurg neighborhood

RESILIENT DESIGN

Dynamic platform of poles and 98% air foam structure and magnetized anchors that rise with the sea level.

Concrete with resilient waterproofing sealant

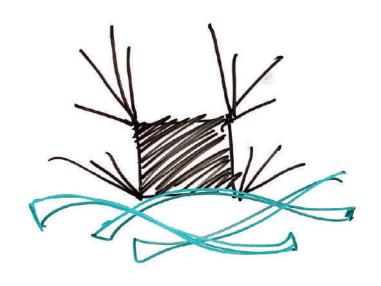


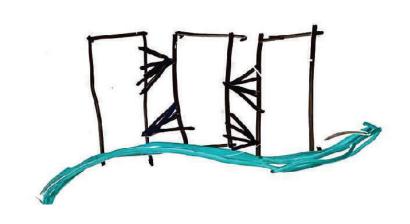
Mantella Amphibious Housing sideways



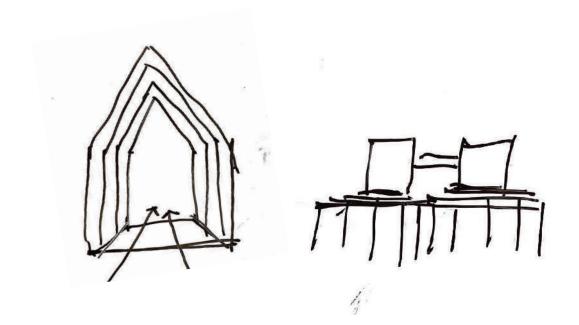
SITE ANALYSIS

PARTI DEVELOPMENT





RHYTHM
PILOTIS
CONNECTIVITY
FLUIDITY
EMBRACE



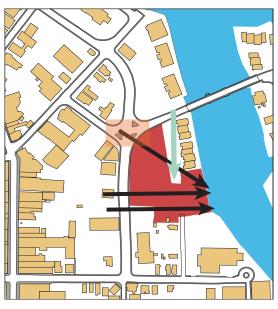


PEDESTRIAN + VEHICULAR CIRCULATION



PRIMARY DESCISION POINTS

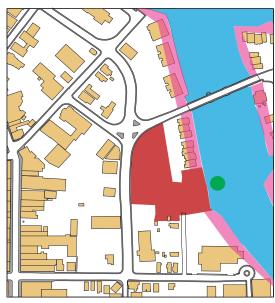




PEDESTRIAN ACCESS

VEHICULAR ACCESS

NODE OPPORTUNITY



- PRIVATE WATERFRONT SPACES
- PROPOSED WATER TAXI STOP

WHAT IS RESILIENCY

1. "Resilience means designing adaptable structures that can "learn" from their environments and sustain life, even in the face of disaster."

2. "Resilience means architects can learn from their buildings and deploy evermore-refined designs."

3. "Resilient" is when and individual or group is healthy, given the level of exposures to a wide range of psychosocial risk factors.

COURTYARD MARKETPLACE



Mixed-use courtyard activation of an entrepreneurial loop

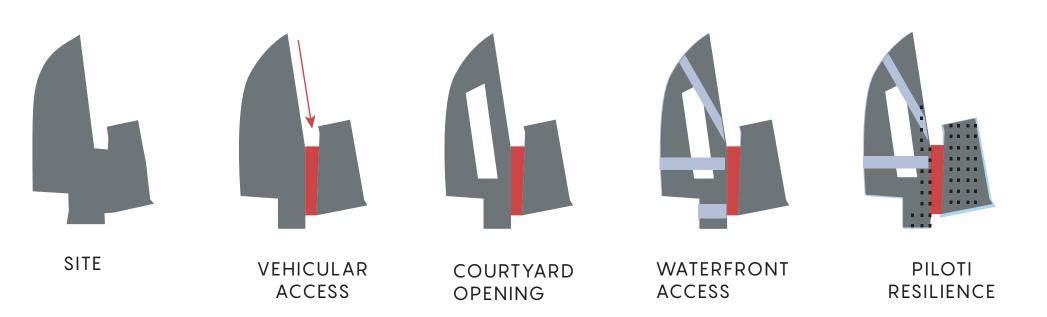


Perkins+Will Atlanta's Summerhill

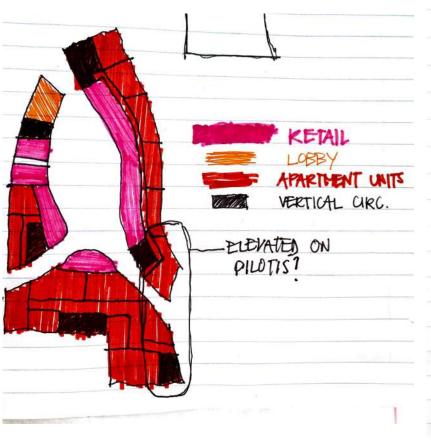


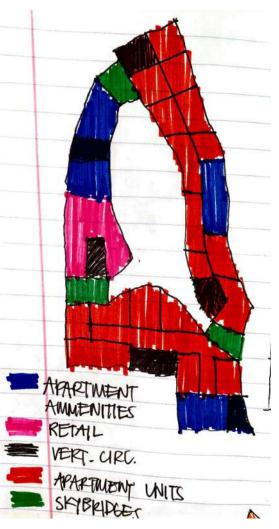
ADRIAN SMITH + GORDON GILL ARCHITECTURE

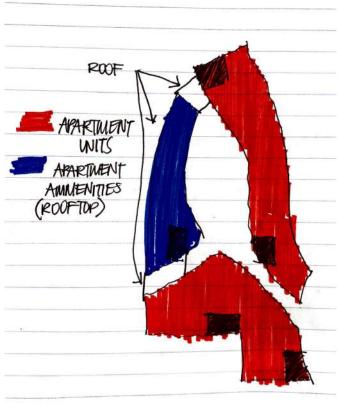
SITE STRATEGY

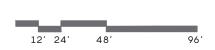


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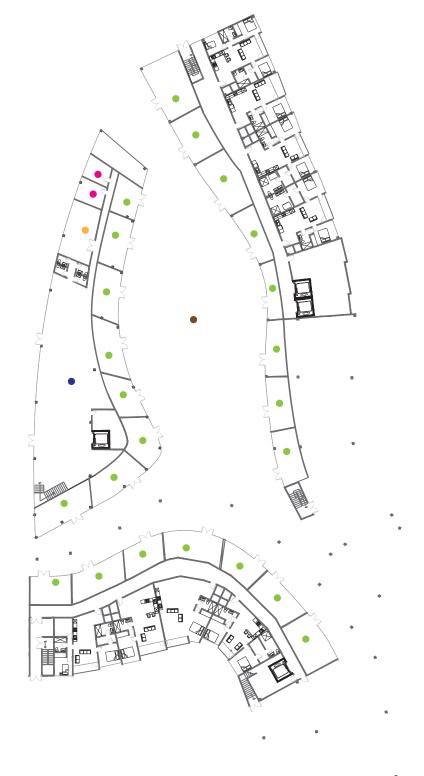












- Lobby
- Mail Room
- Office
- Shop
- Courtyard







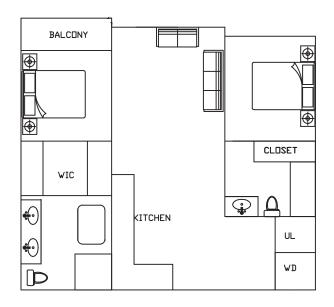
- Library
- Gym
- Conference Room
- Community Space
- Game Room
- Pool + Spa
- Balcony

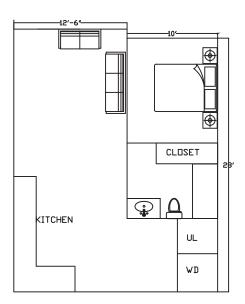


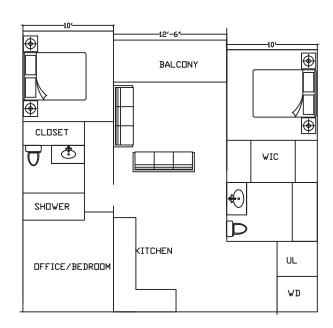


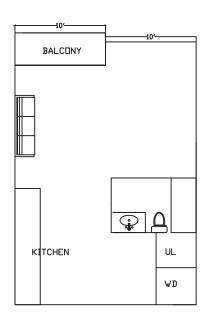


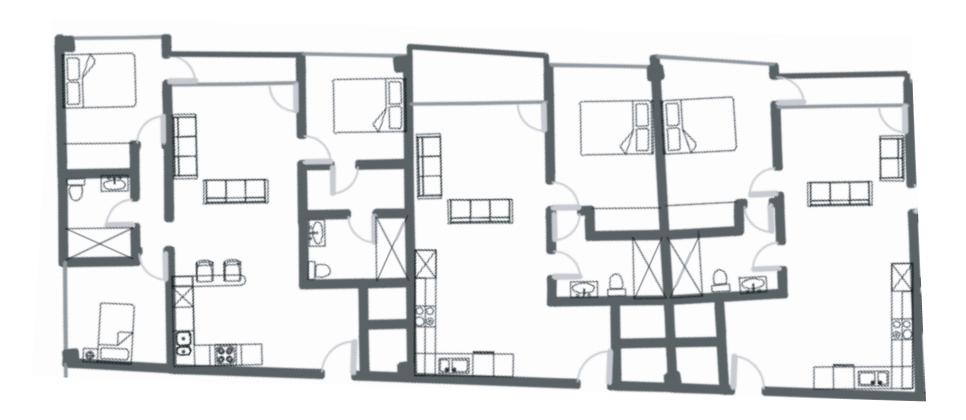
- Rooftop Patio
- Rooftop Garden
- Community Space
- Balcony



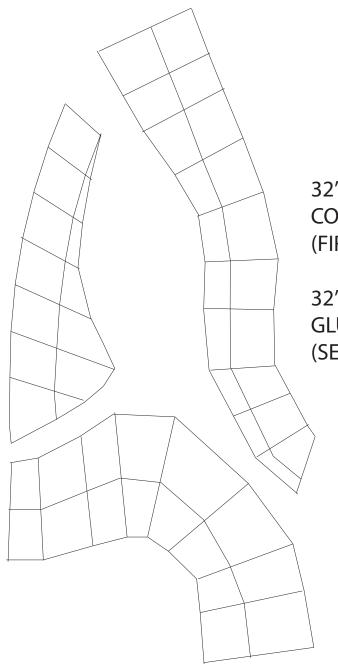








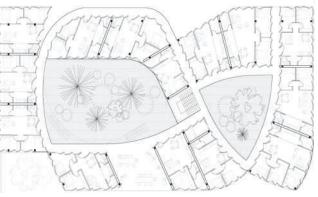
STRUCTURAL GRID



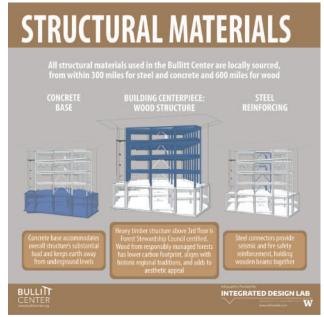
32' SPACED (1'X1') CONCRETE COLUMNS (FIRST FLOOR)

32' SPACED (1'X1')
GLULAM COLUMNS
(SECOND+THIRD FLOOR)





Las Americas Social Housing, Leon, Mexico, 2016



FACADE DEVELOPMENT



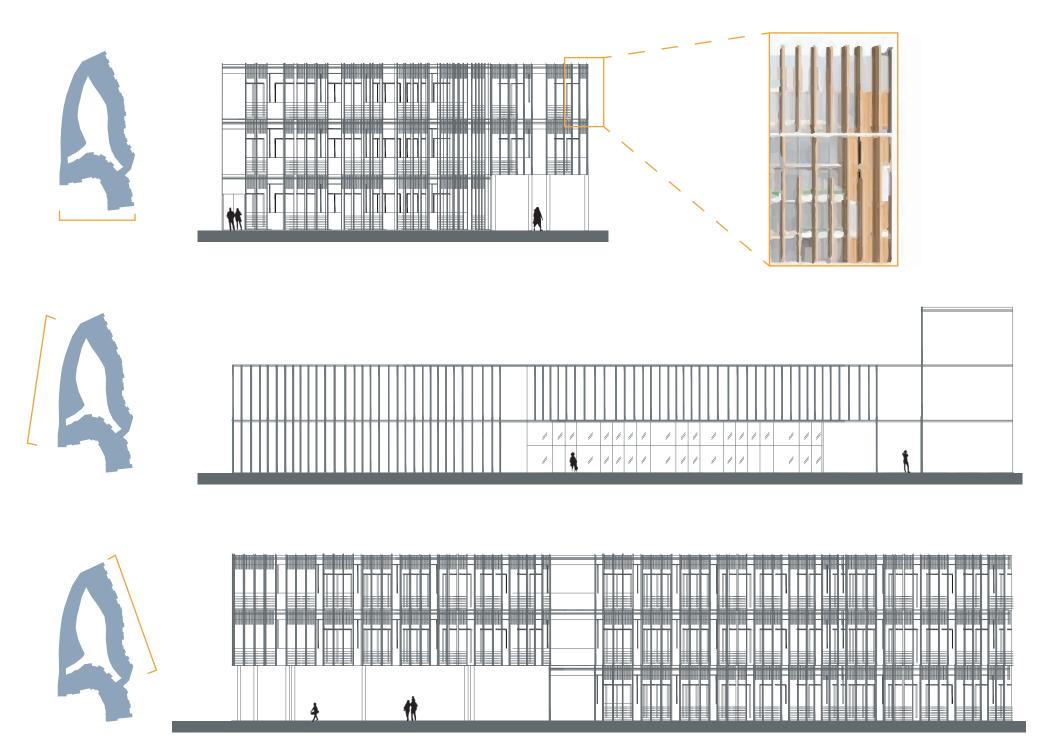


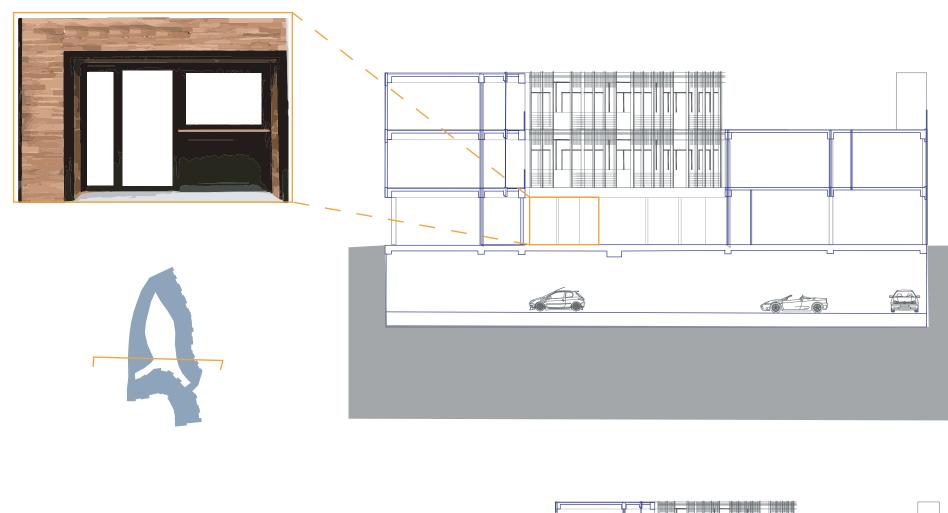


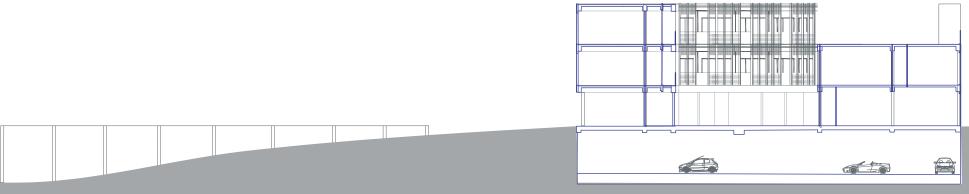








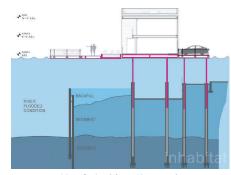




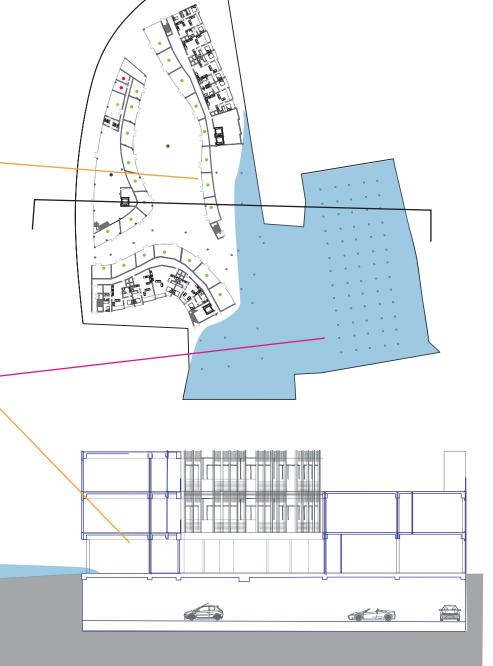
Concrete with resilient waterproofing sealant



Dynamic platform of poles and 98% air foam structure and magnetized anchors that rise with the sea level.



Mantella Amphibious Housing sideways



magnetized anchors



THANK YOU