



Make it simply right.

The design team has developed a single family dwelling prototype that takes the vernacular shotgun layout to a new level.

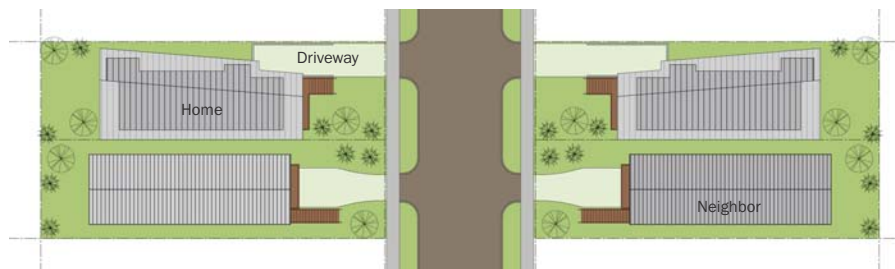
The house (940 sf) has been designed to engage the public life of the neighborhood (the front porch life), and to ensure a comfortable and efficient indoor environment.

The simplicity of the shotgun interior layout has been revisited according to the following criteria:

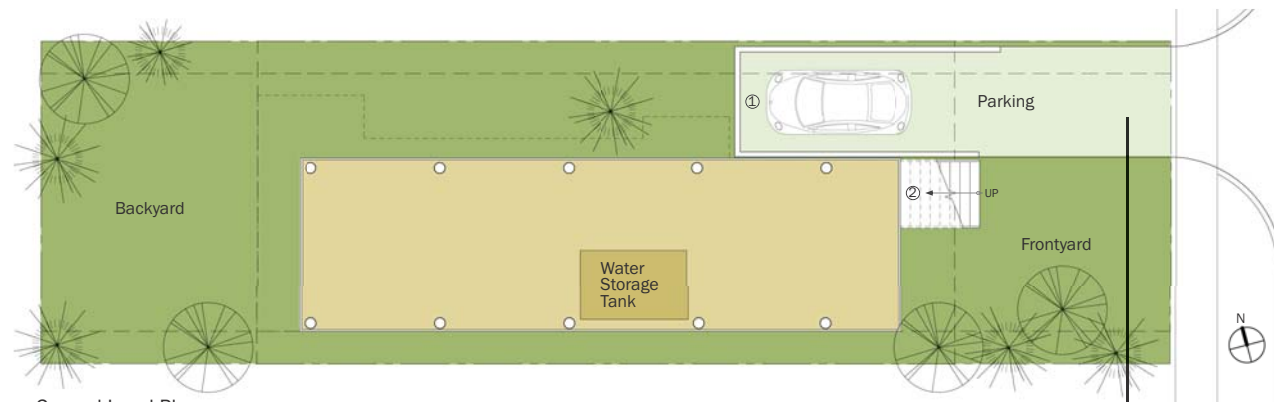
- Elevated structure to ensure an adequate protection from typical flooding events
- Hierarchy of spaces, private, semiprivate, and public, both indoor and outdoor
- Hierarchy of circulation paths, both indoor and outdoor
- Off-street parking area for 1 vehicle
- Minimizing east and west facades to reduce summer heat gain on the building envelope
- Incorporate native, drought tolerant landscaping as "soft" edge along property and along street, with the purpose of reducing the height scale of the elevated structure
- Maximizing energy and water efficiency through:
 - optimized building envelope (insulation and glazing)
 - optimal orientation to minimize heat gain and maximize cross ventilation (indoor and outdoor)
 - increased natural ventilation opportunities by use of screened (high and low) transoms in windows
 - strategic use of landscape
 - use of generous overhangs on east, west and south facades for sun mitigation
 - energy star appliances
 - ceiling fans (entry porch, living room, bedrooms)
 - compact fluorescent lighting
 - solar hot water heating panels (or instant hot water heaters)
 - roof "ready" for photovoltaic panels (520 SF - south facing)
 - geothermal energy system (a district system for more than one house would be the preferred solution)
 - rain harvesting system to be reused for toilet(s), irrigation, and other gray water needs.
 - Rain tank/bladder to be located under the house. dual flush toilet(s)
- Attic refuge above house core, accessible by attic folding stair from bedroom 2
- Maximizing the use of salvaged materials as needed (reclaimed brick, reclaimed wood planks, reclaimed interior doors)

The project will be developed according to the Cradle to Cradle guiding principles. However, the final level will be a balance among local market forces and owner driven inputs.

Finally, it is the intent of the design team to allow a certain degree of customization by each owner so that, for example, front porches, balconies and screens start to bring an individual characterization that will ensure a diverse urban fabric.



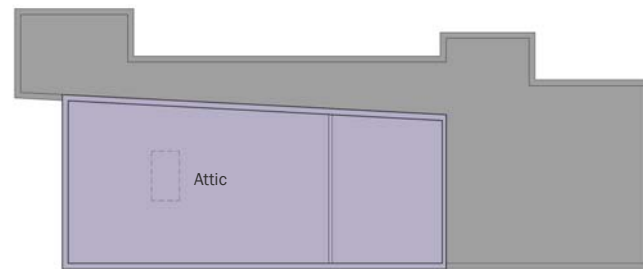
Site Diagram



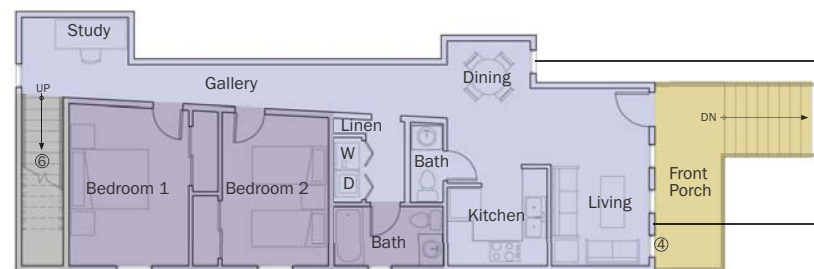
Ground Level Plan



First Level Plan



Attic / Area of Refuge Plan



First Level Plan - Camel Back Option



Second Level Plan - Camel Back Option



1. Permeable Paving



2. Wood Entry Stair



3. Wood Deck & Railing



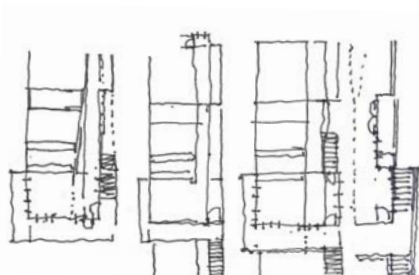
4. Operable Windows



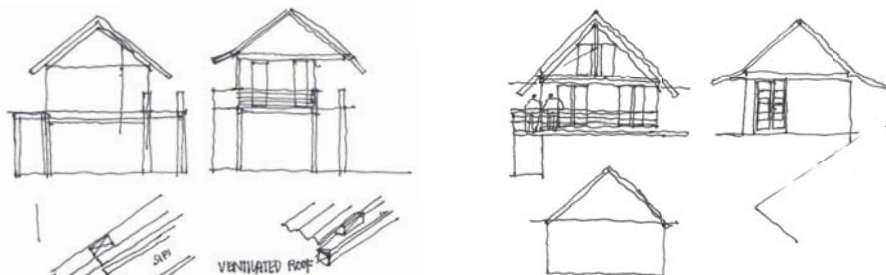
5. Wood and Cementitious Siding



6. Wood Interior Stair



Design Concept Sketches



BNIM

ARCHITECTS

Make it Right *New Orleans*



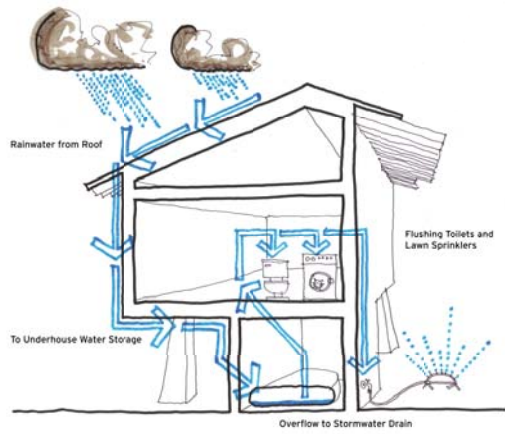
Street View - Entry



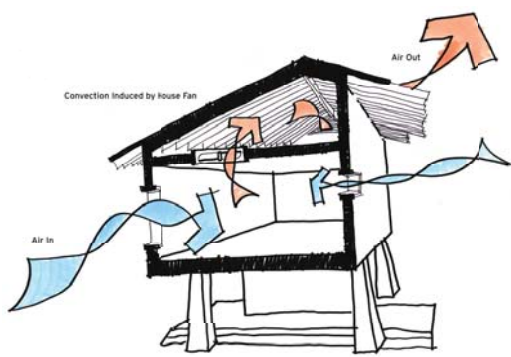
Interior View - Living Area / Gallery



Southwest View - From Backyard



Water Collection Diagram



Air Flow Diagram



Northeast View - From Street

