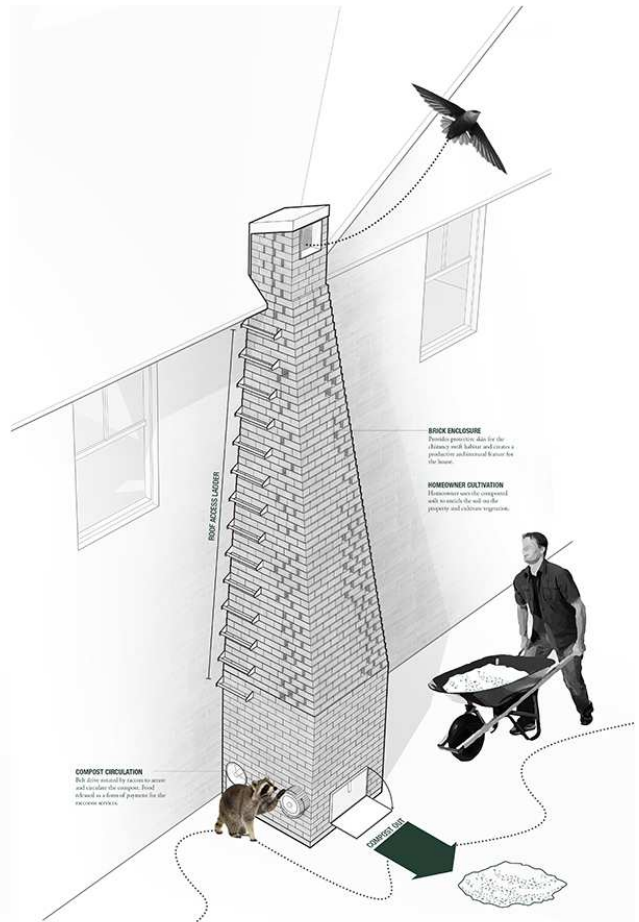
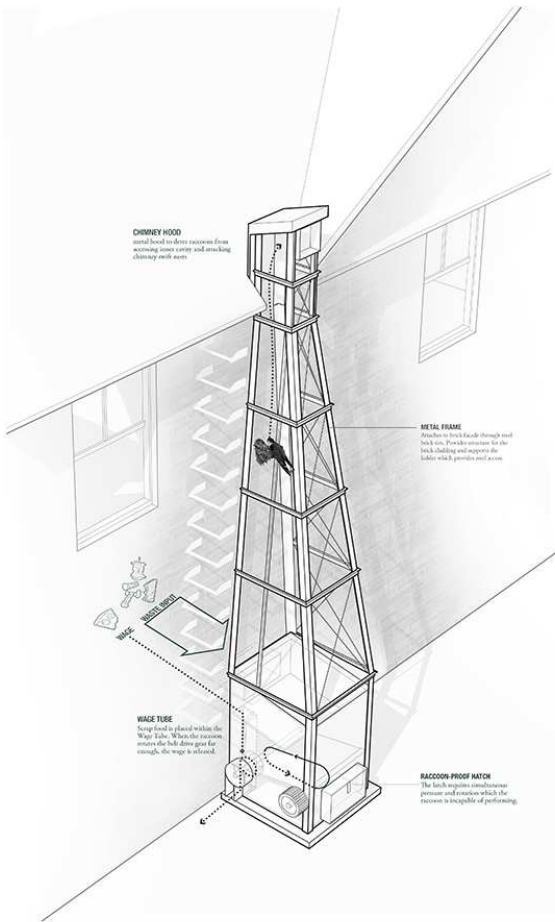
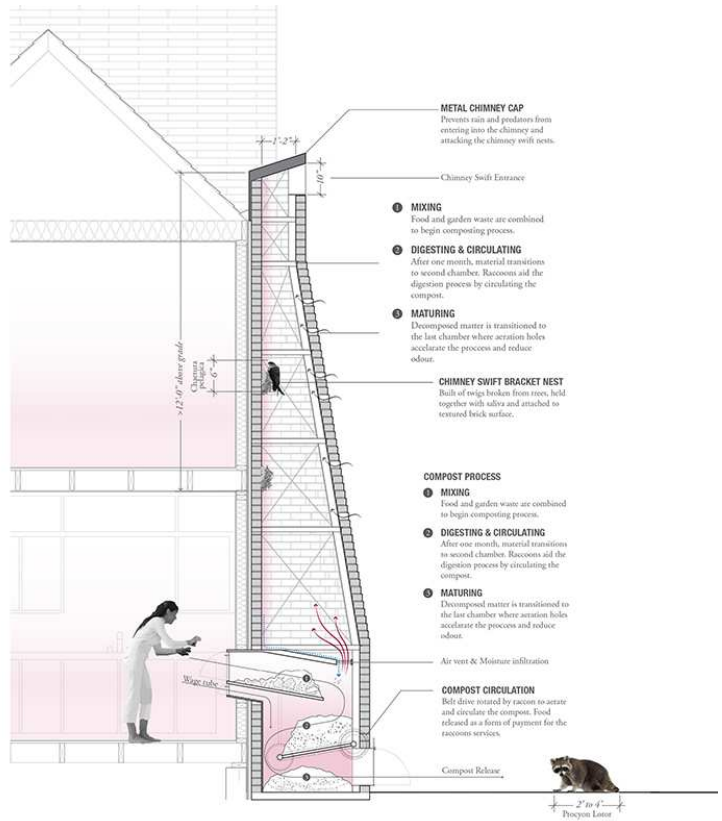
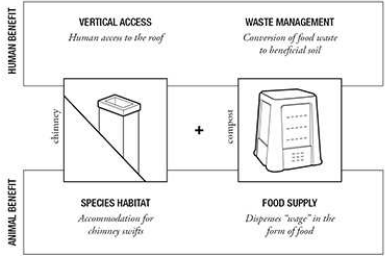


**COMPOST CHIMNEY PROSTHETIC**

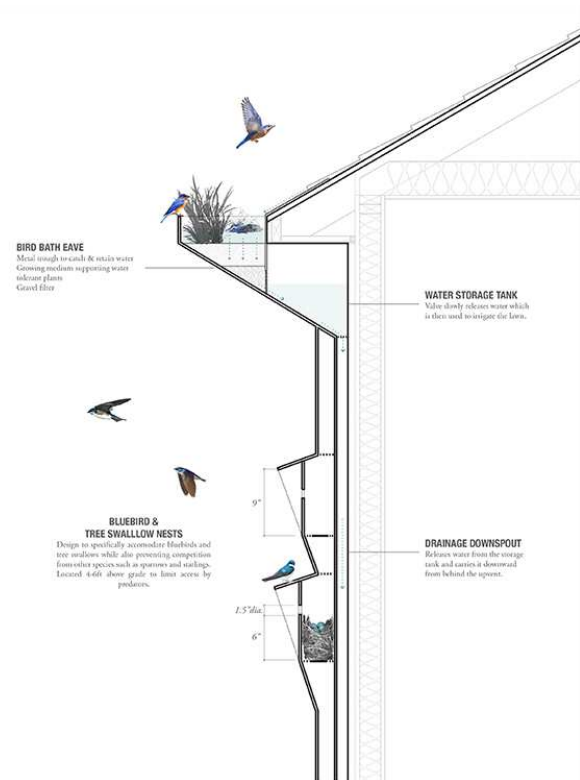
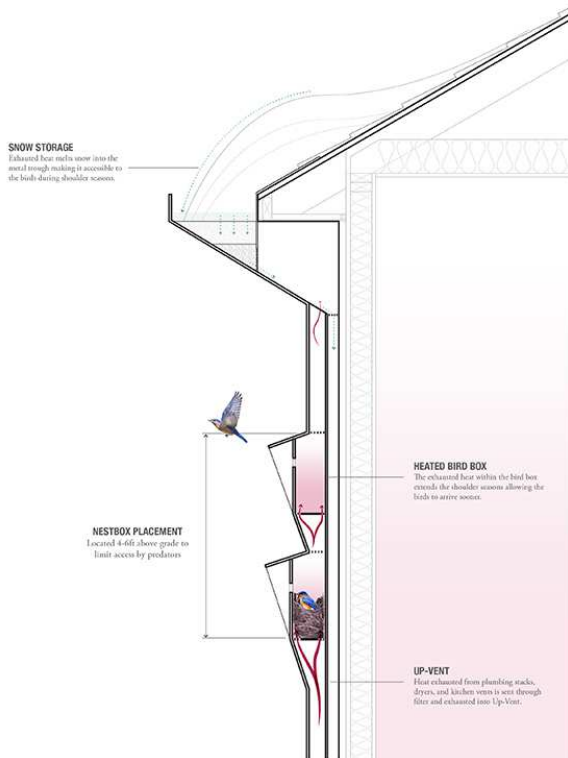
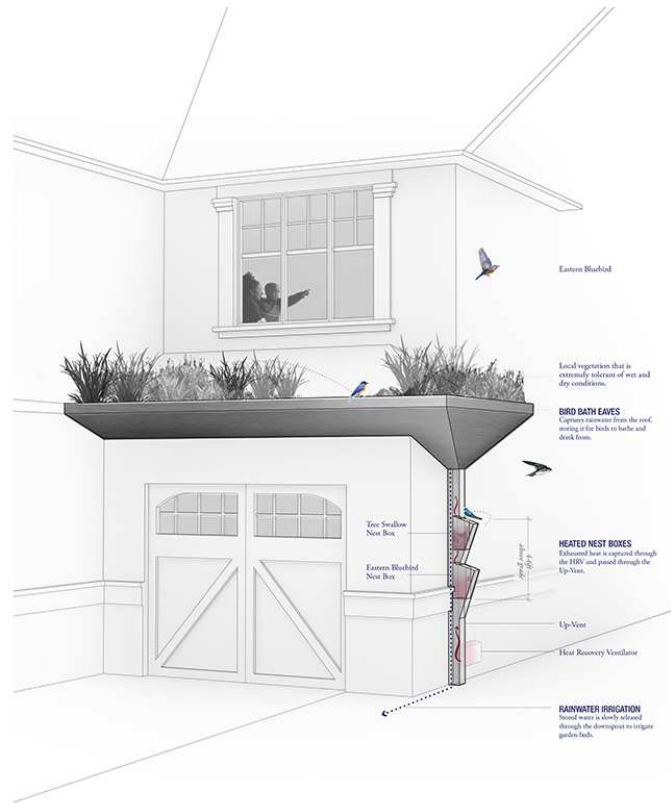
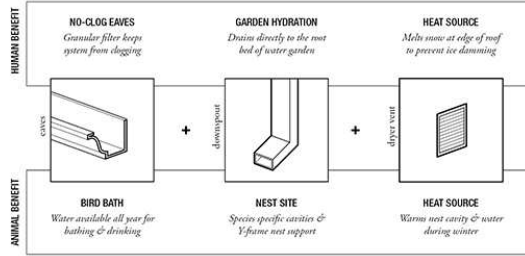
The popularity of the gas fireplace has rendered the conventional domestic chimney obsolete. The form of the chimney is re-appropriated through the design process into a permanent compost system. Food waste is inserted into the base where it undergoes a three stage process. The digestion and circulation stage is executed by the raccoon who rotates an external gear with its dexterous paws. The upper volume of the chimney provides a protected habitat which is inaccessible to the raccoons below. Heat generated from the decomposition process is ventilated upwards into the cavity to extend the shoulder seasons for the bird.

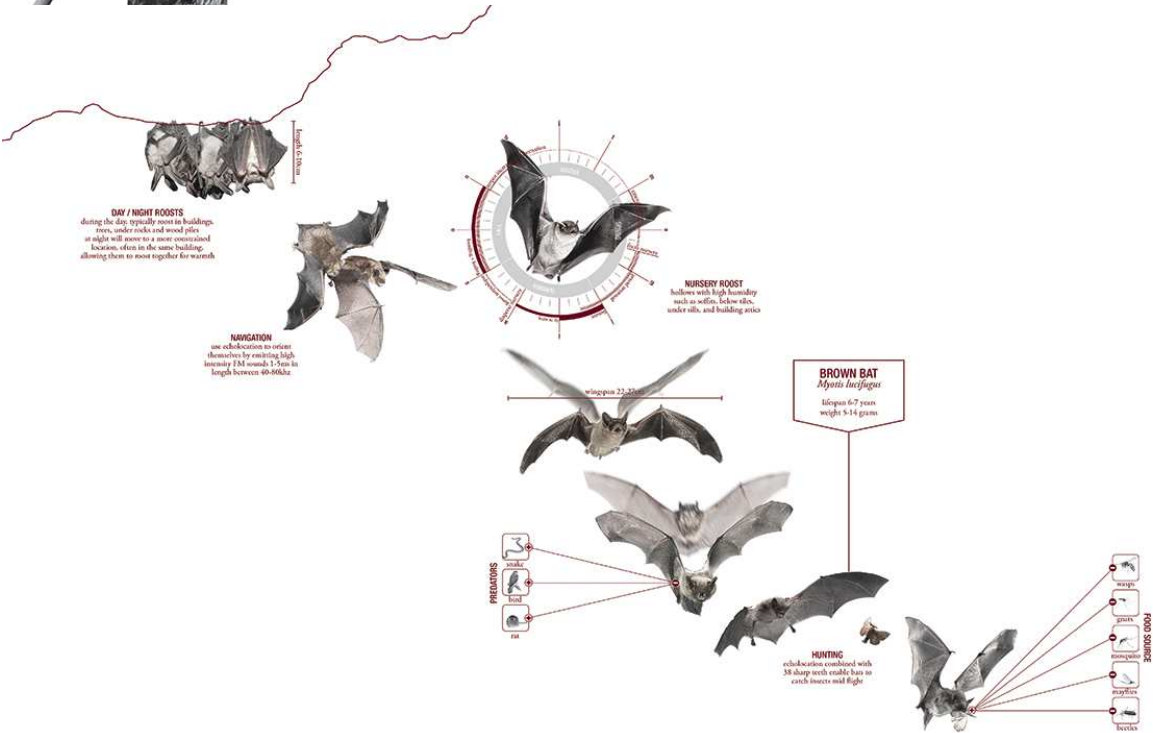
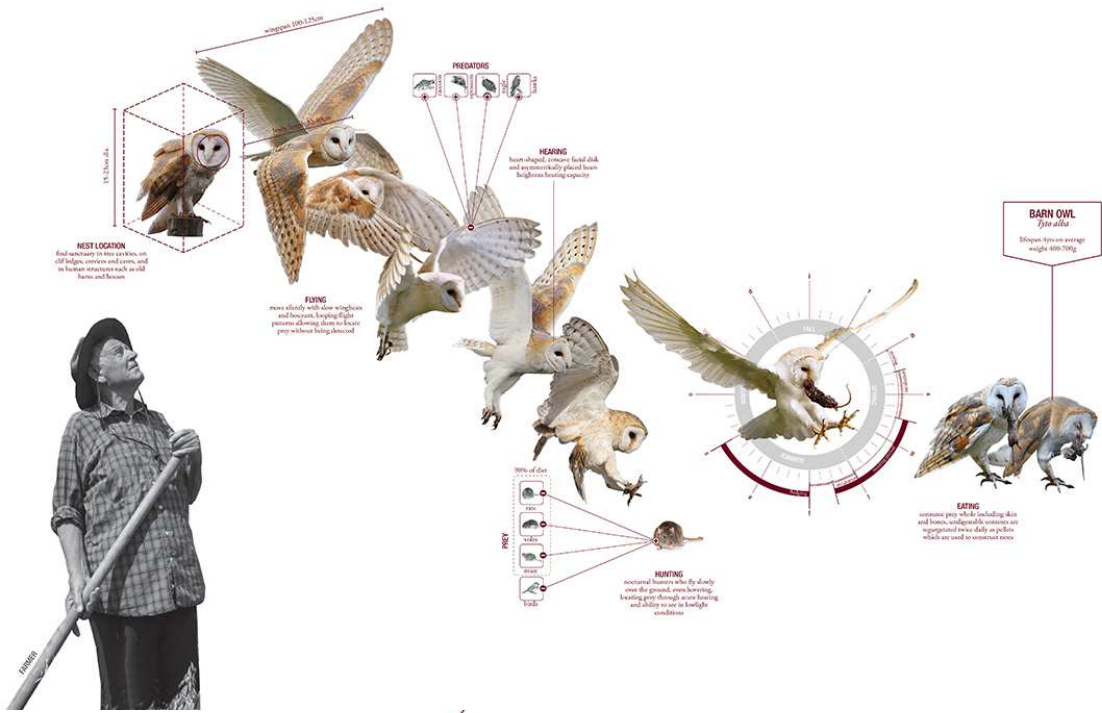




**EXTENDED EAVE PROSTHETIC**

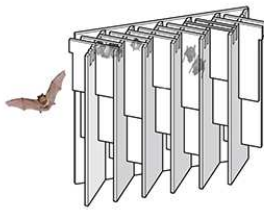
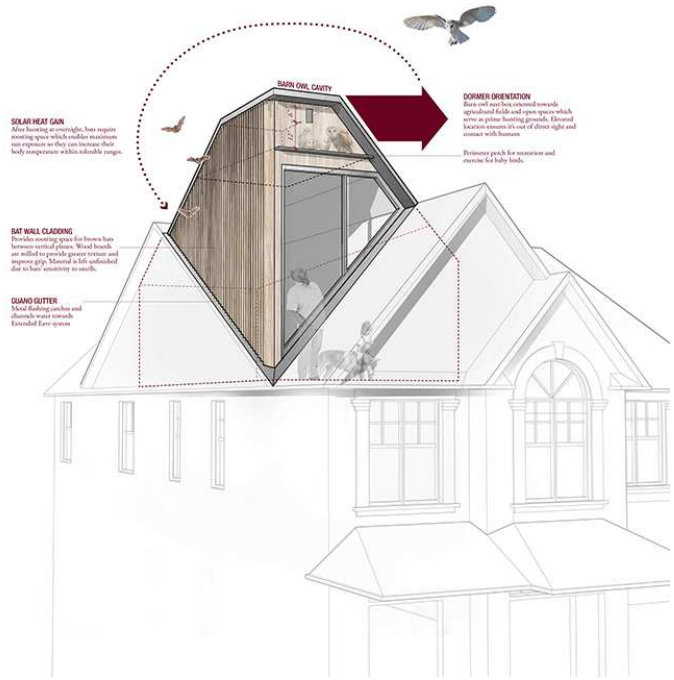
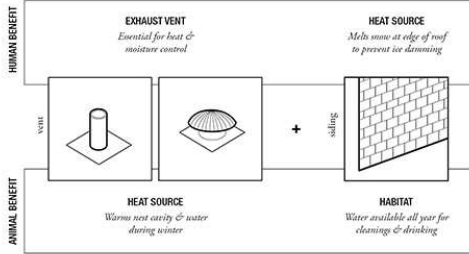
The Extended Eave merges water mitigation systems with exhaust vents to create extended season habitat for both bluebirds and tree swallows. Each bird defends a territorial range but if nests are properly paired, they are capable of cohabitating successfully. The system also improves the functionality and appearance of typical eaves troughs by using vegetation and extended planting beds to increase rainwater capacity and reduce risk of debris build up. For humans, the Extended Eave enhances the aesthetic and ecological value of the house while encouraging desirable avian species who serve as natural pest control.





**HABITAT DORMER PROSTHETIC**

The typical form of the dormer is reimagined to provide additional real estate for the barn owl, brown bat, and human. Formally it extends the language of the multi-peaked roofs which are widely marketed to suburban home buyers as desirable features. Roof exhaust vents are embedded into the system, ensures they are protected from animal infiltration while also providing heat to the nest box which is situated under the roof of the dormer.



**BAT WALL CLADDING**  
1/2" Wood panels w/ textured, unfinished surface  
1/2" Slotted vertical wood structure  
1/4" Plywood backing

