

The Living School

An Elementary School for Detroit
AIAS / Kawneer

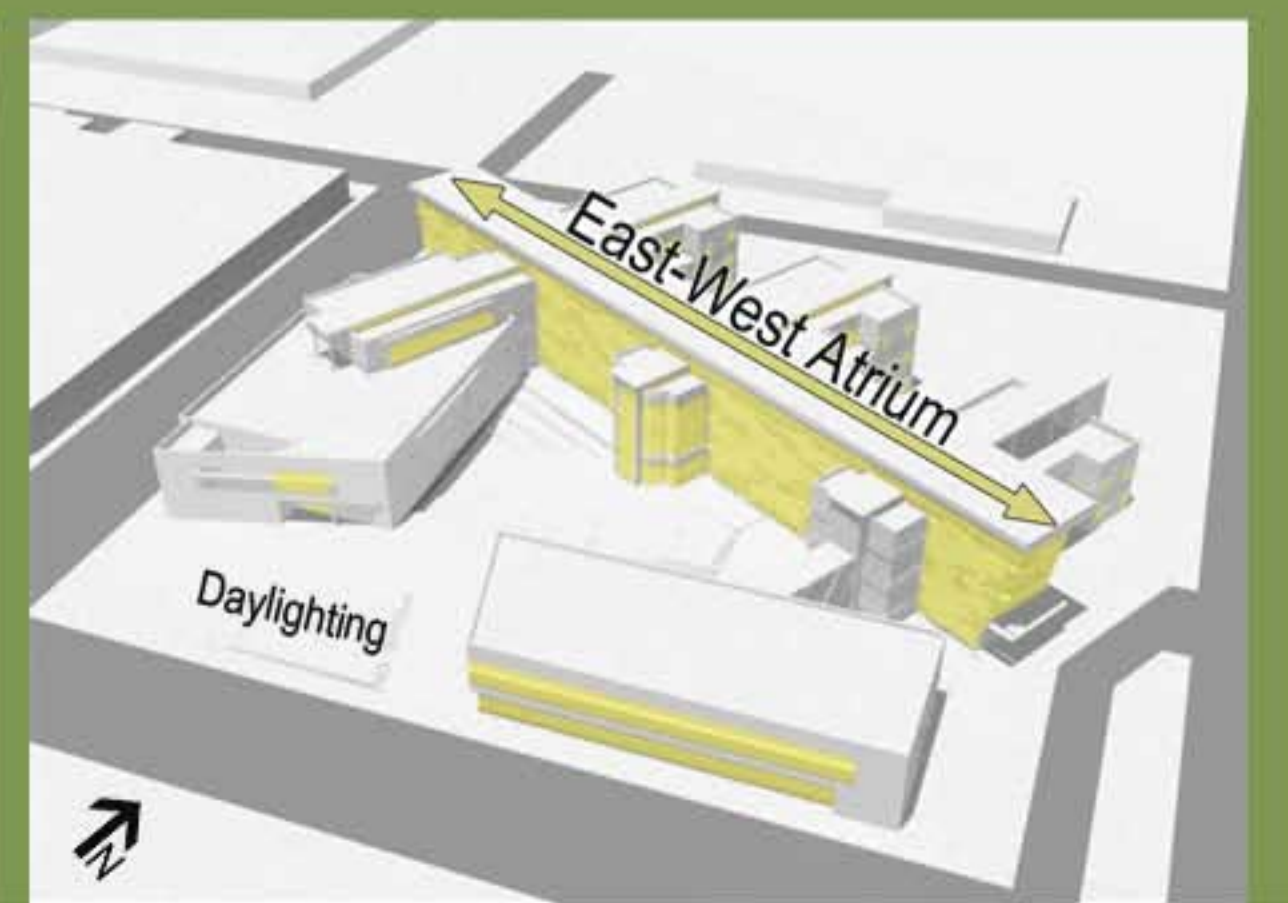
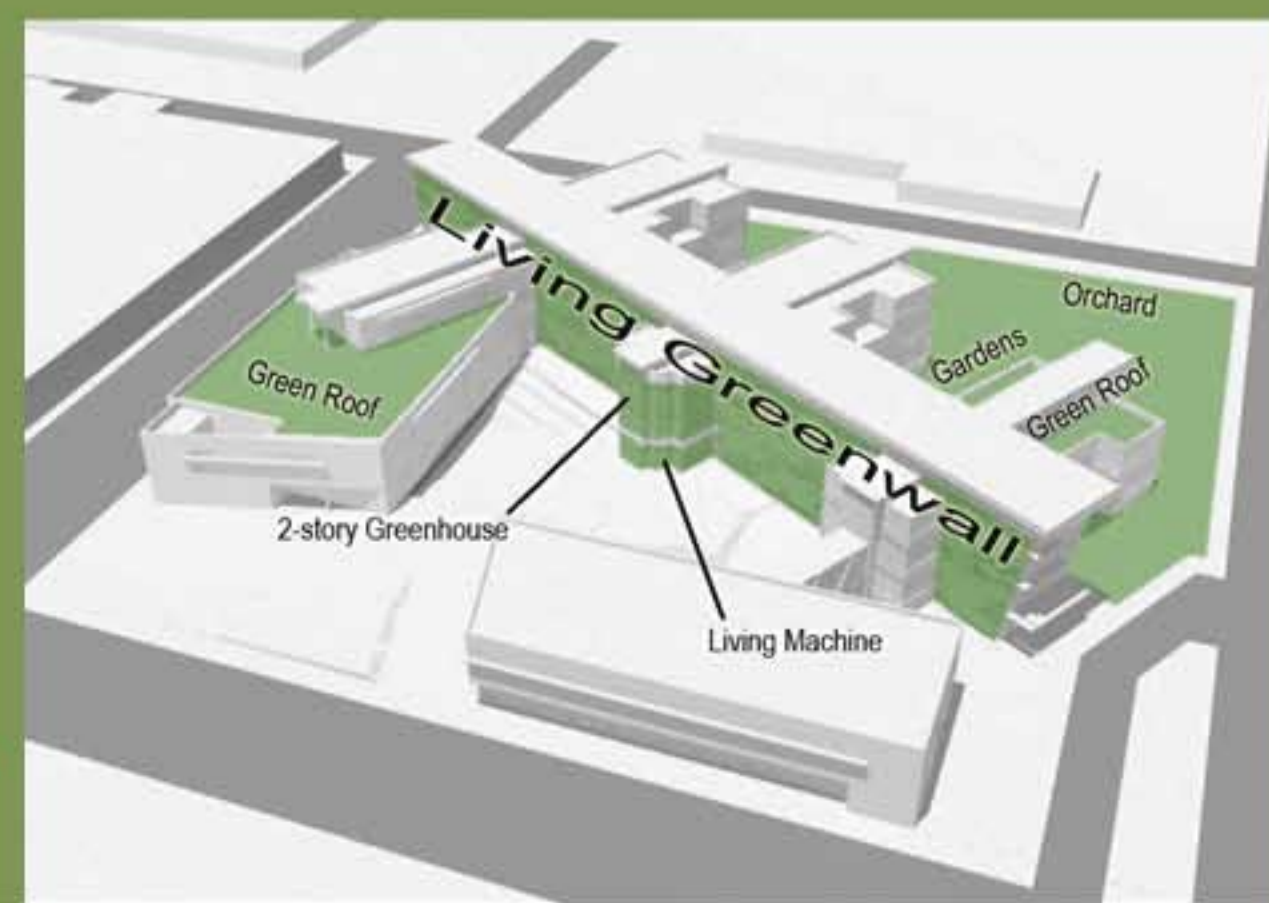
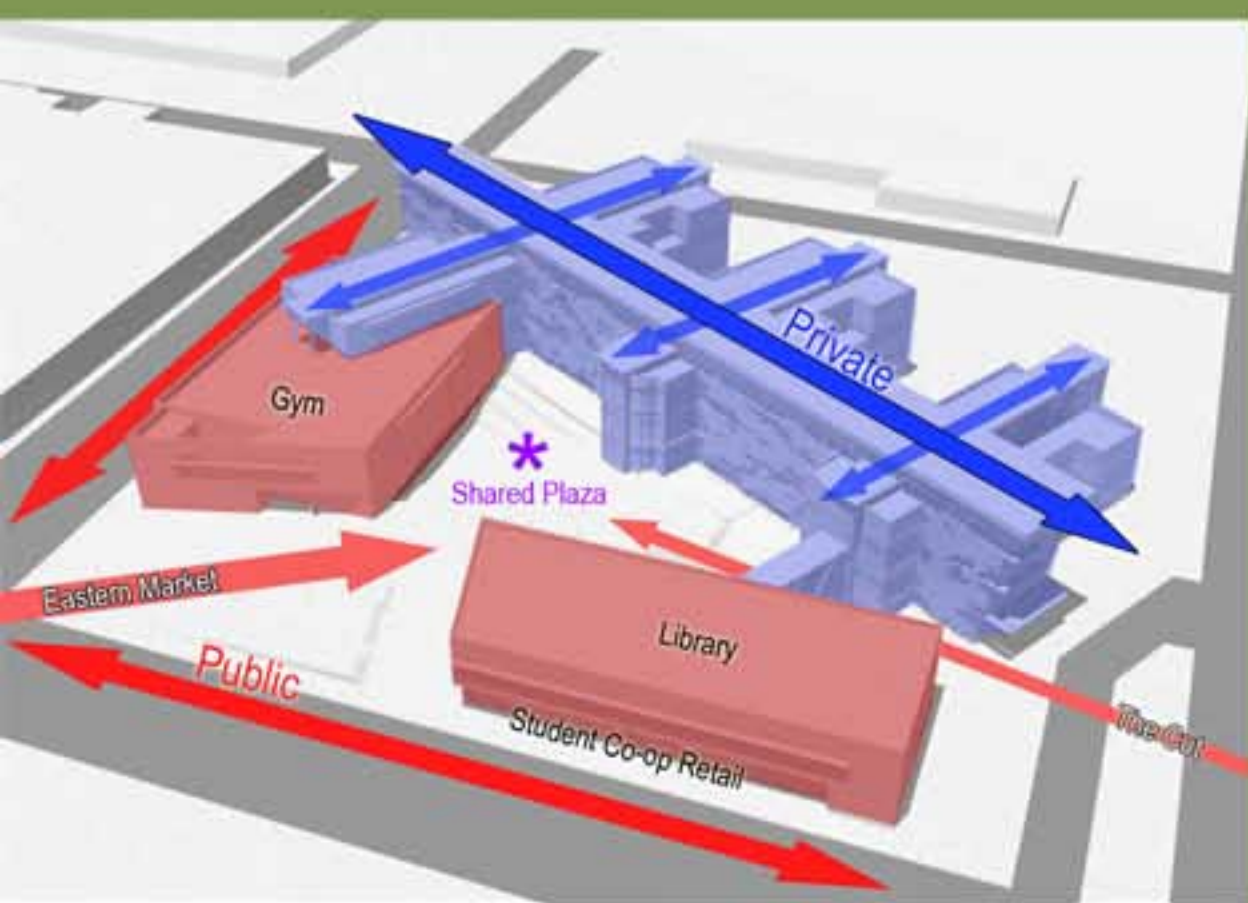


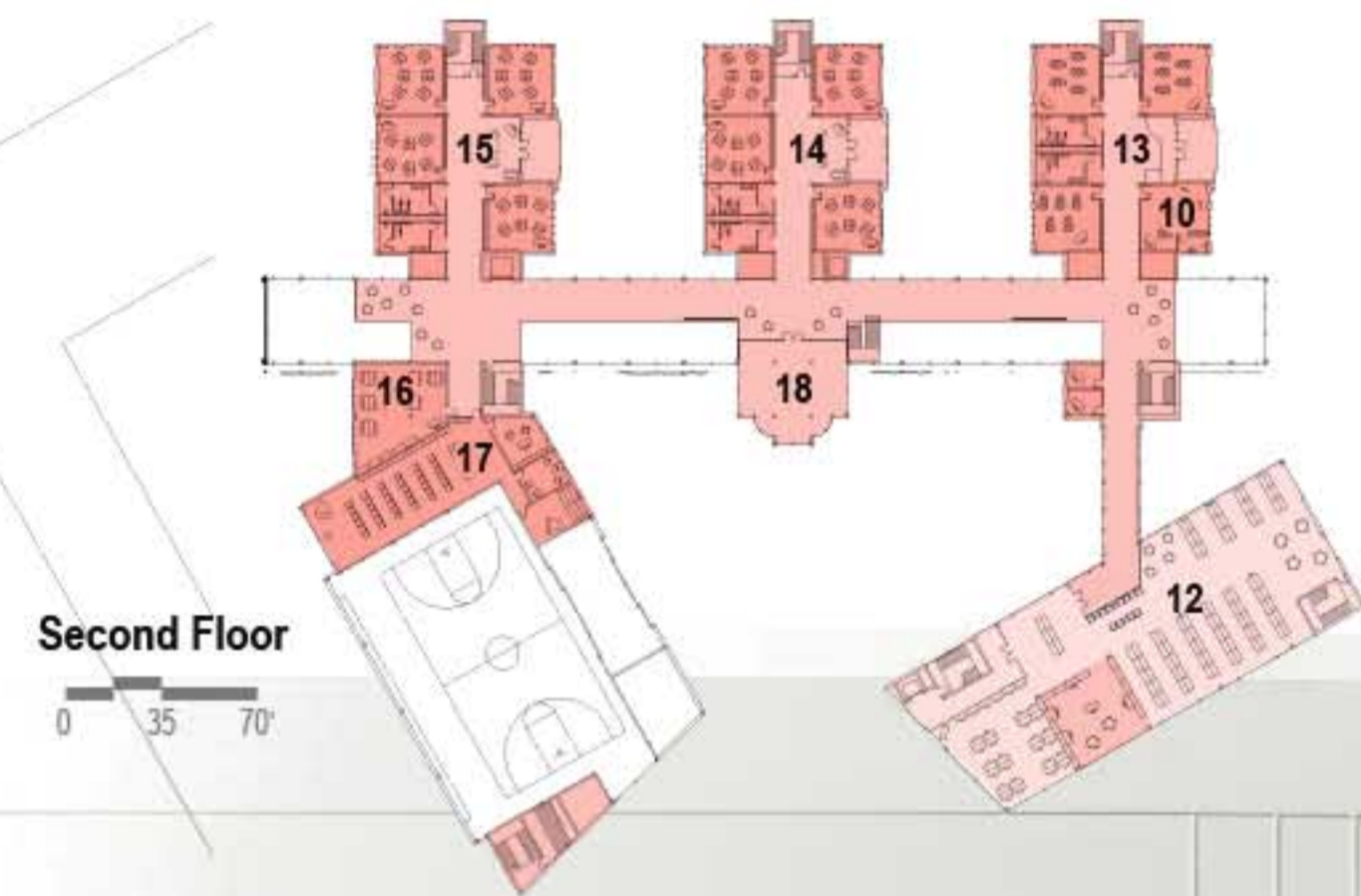
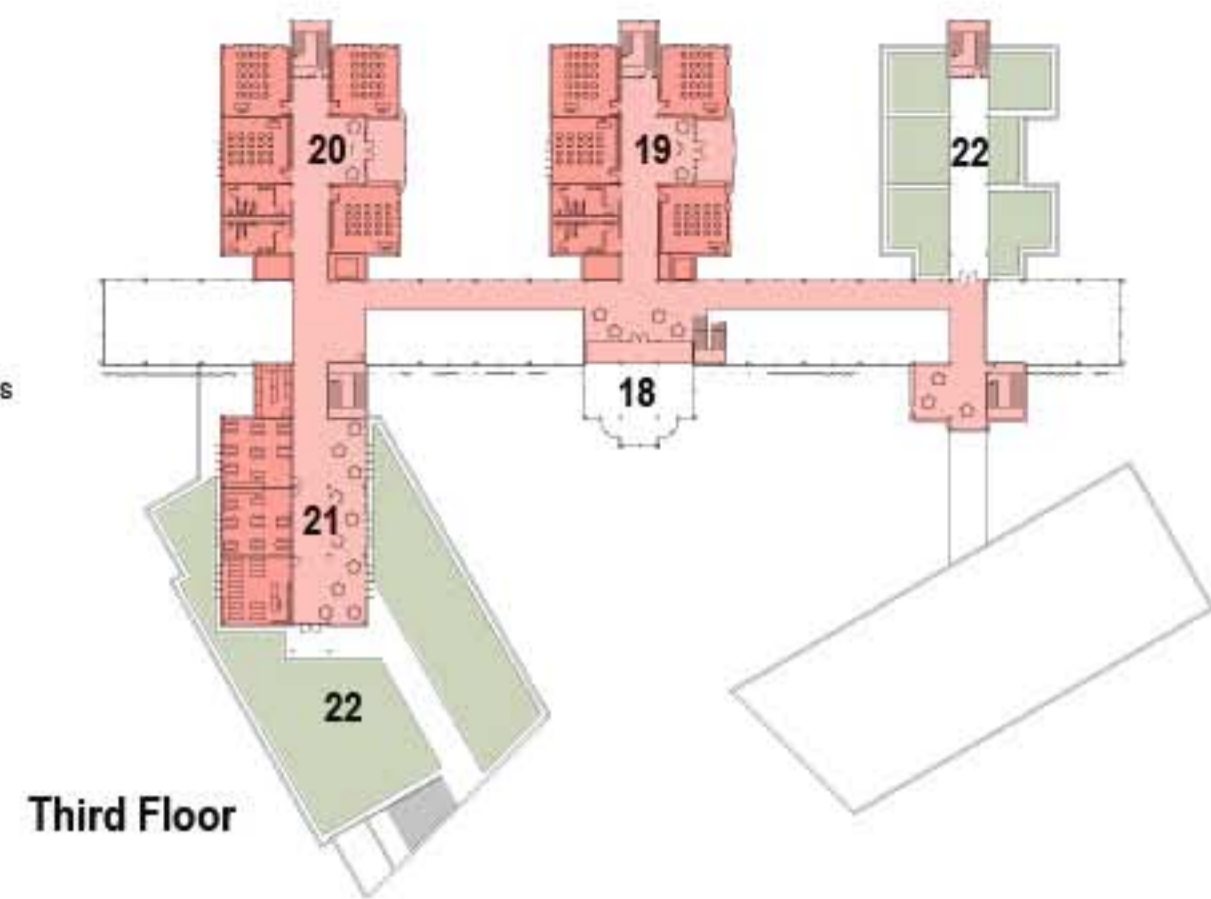
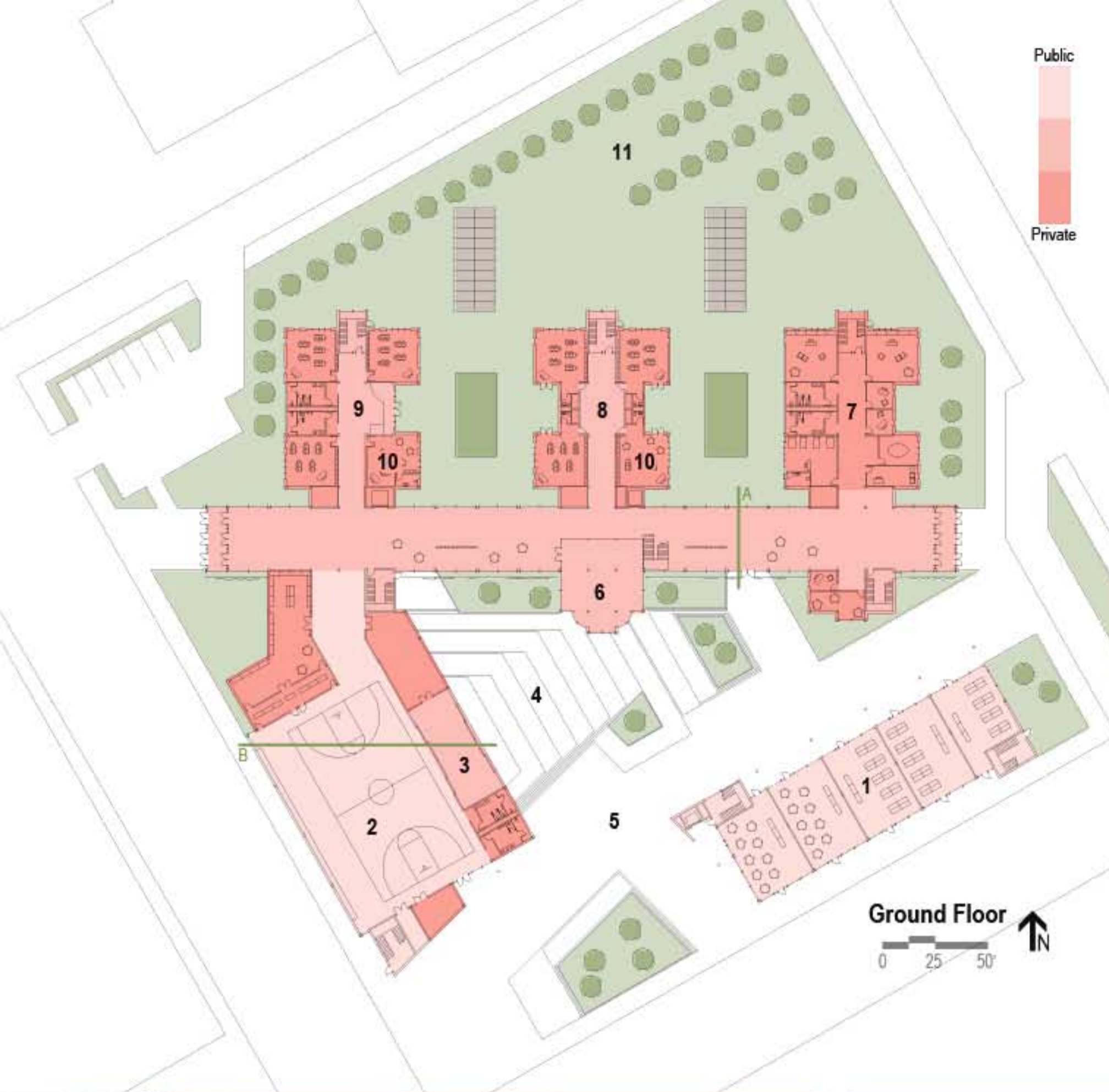
Detroit, Michigan



Eastern Market

The Living School brings life into the building through **community interaction** and **nature**. Located in Detroit, Michigan, the Living School looks at educating children about life and nature to instill values such as **respect** and **responsibility**. In this way, the children are getting a **living education**. The building itself is used as a learning tool through both the features and its **incorporation of community** into the gymnasium, library, and gardens. The building **integrates nature** through green roofs, a living maching, and a living greenwall.





There is a strong **connection to the community** on the site as well as in the building. The gymnasium and the library are open to the public after-hours. The stage in the gymnasium opens both inward and outward to the sunken **amphitheater** for school and community performances. The public plaza has space for produce vendors from the ever-expanding **Eastern Market**. The retail under the library opens both to the street and to the plaza to create a greater connection between the two spaces.

The building is utilized as a **learning tool** in many aspects such as exposing the structure and mechanical spaces, showcasing the **living machine**, and implementing sustainable features. The individual classroom groups, or **Pods**, grow and adapt as the children grow and move from grade to grade. There are also **outdoor classrooms** all over the site in places like the orchard and the amphitheater. The **curriculum** revolves around nature and life and is reflected in every class from art and science to math and language. The retail will be in **cooperation** with the students and includes a café and a produce shop where the food grown on-site is sold.





LEED Certification:

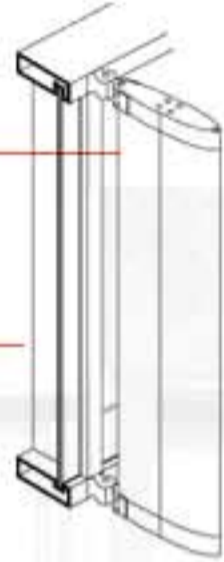
Sustainable Sites	Total: 14
Water Efficiency	Total: 5
Energy & Atmosphere	Total: 9
Materials & Resources	Total: 8
Indoor Environmental Quality	Total: 19
Innovation & Design Process	Total: 3
Total Points: 58 Platinum	



Kawneer Products:

1. Versoleil SunShade

Aluminum Framing



2. TRIFAB SunShade

Greenwall

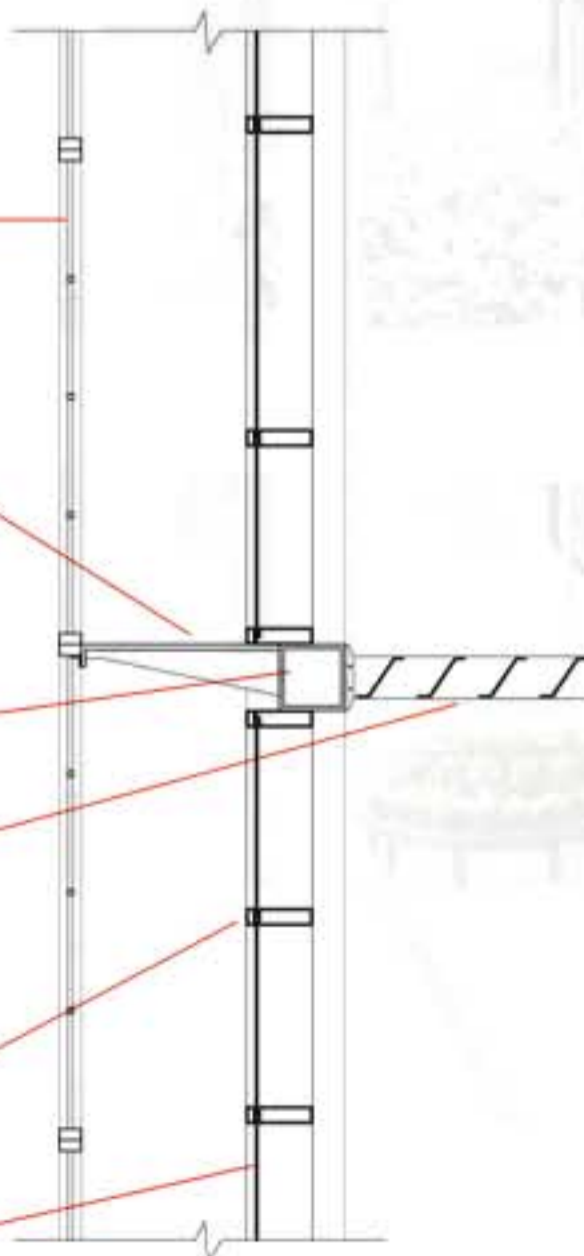
Walkable Deck

Structure

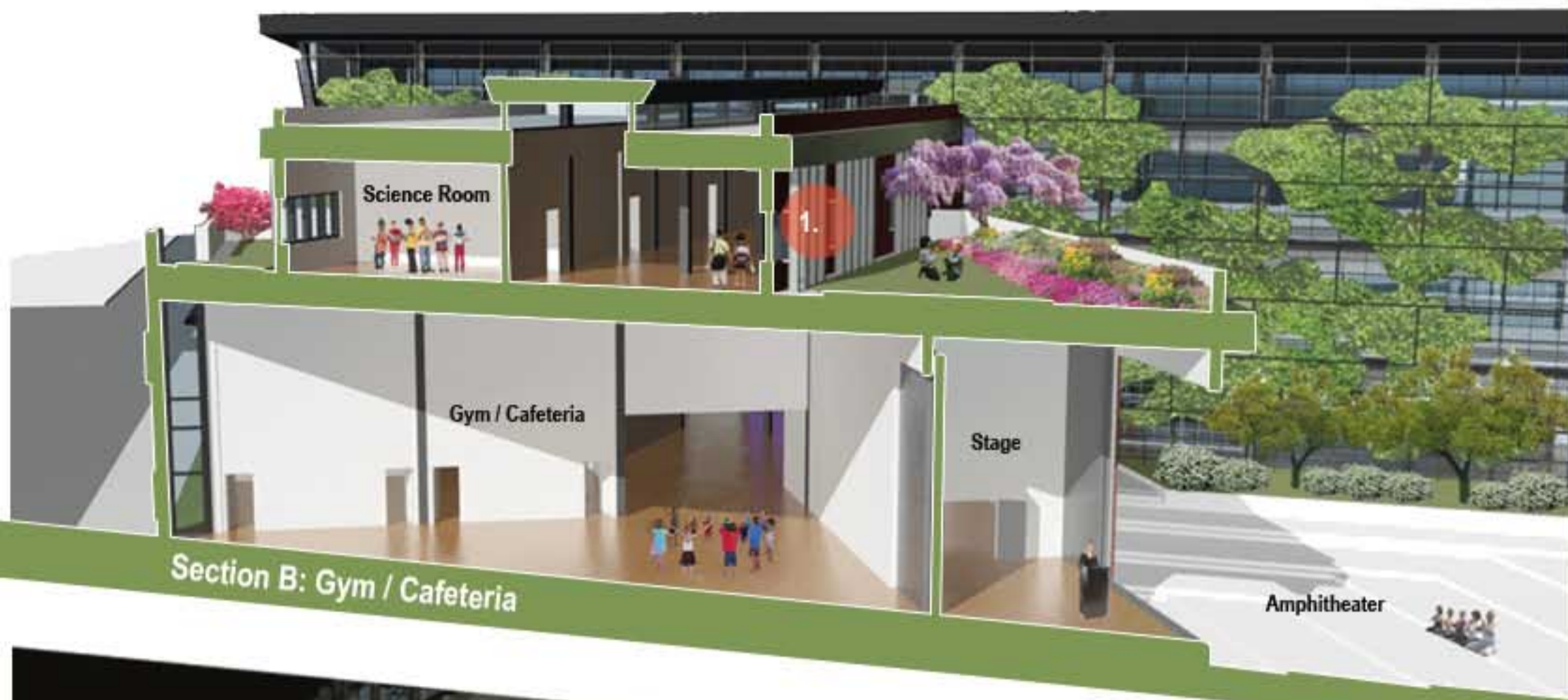
SunShade (interior)

3. 7500 Aluminum Framing System

1" Insulated Glass



Section A: Atrium



Section B: Gym / Cafeteria



The **connection to nature** is evident in every aspect of the building, from the site down to the individual classroom pods. The small, divided-up footprint of the building allows for **ample daylighting** in all spaces. The atrium space contains not only the main circulation for the building, but also **greenhouses**, a **living machine**, and balconies overlooking these spaces. On the south side of the atrium is a **green wall** that allows light to filter through the plants and into the space. There are also **mechanical shading louvers** that open and close based on the **movement of the sun**. Above the gymnasium is a **green roof** with science labs opening directly onto it. Another green roof above one of the classroom pods is connected to a greenhouse.



Classroom Pod



Amphitheater



North Side of School



South Elevation

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There is a strong connection to the community on the site as well as in the building. The gymnasium and the library are open to the public after-hours. The stage in the gymnasium opens both inward and outward to the sunken amphitheater for school and community performances. The public plaza has space for produce vendors from the ever-expanding Eastern Market. It also has plenty of space for both community and school activities. The retail under the library opens both to the street and to the plaza to create a greater flow into the space.

The building is utilized as a learning tool in many aspects such as exposing the structure and mechanical spaces, showcasing the living machine, and incorporating sustainable features. The individual classroom groups, or pods, grow and adapt as the children grow and move from grade to grade. There are also outdoor classrooms all over the site in places like the orchard and the amphitheater. The curriculum revolves around nature and life and is reflected in every class from art and science to math and language. The retail under the library is run in

cooperation with the students. It includes a café and a produce shop where the food grown on-site is sold. The students can use math skills to figure out prices, language classes to write menus, and science labs to grow the produce.

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The Living School teaches children the fundamental lessons needed in life. Local community members who want to better the lives of future generations teach the lessons through nature. These people realize that revitalization doesn't come with new architecture; it comes with education, hard work, and the opportunities that the Living School can provide.