According to Vertical Harvest, farm yields about 20,000 lbs in an urban agriculture facility. Although crop yield varies, the system was selected in Wyoming, a traditional farmer’s market. The ability to maintain and repair farmland. This system was selected for K-12 students. Hands on activities and interactive learning teaches the science of botany, encourages patience and helps students practice responsibility. It also connects the urban youth to nature. Instead of glass, ethylene tetrafluoroethylene (ETFE) is used, which is not needed. The internal light, a robust framing system, will not break as easily as glass, costs 24-70% less to fabricate, and transmits more light than glass. This material can be cut to fit any shape, and its envelope is nearly 70% transparent. Low Emissivity Coating is used in the building. The form is modeled after a passive solar greenhouse, which is typically shaped against an existing building. While its sloped massing leads to solar heat gain. Its site orientation and solar orientation.

COMMUNITY-FOCUSED

EDUCATION AND EMPowerMENT

The Vertical farm Lawrence the Rapport (by the Gallaher Groves. Part of the program is designated for plant science and botanical research. On the fourth floor, there are spaces dedicated to an after-school program for students. Hands on activities and interactive learning teaches the science of botany, encourages patience and helps students practice responsibility. It also connects the urban youth to nature. The building is a message. With a new typology and contemporary construction techniques, the design symbolizes both sustainability and a concern for the well-being of the environment. The design of the multi-story greenhouse utilizes new materials and systems while functioning and producing as a successful farming facility. Architecture and social change can travel. Not only does Relocated Roots serve the community, but the design itself promotes a sustainable, self-sustaining model that crosses the divide between the natural and the built environment. The choice of the multi-story greenhouse utilizes new materials and systems while functioning and producing as a successful farming facility. The design of the multi-story greenhouse utilizes new materials and systems while functioning and producing as a successful farming facility. Architecture and social change can travel. Not only does Relocated Roots serve the community, but the design itself promotes a sustainable, self-sustaining model that crosses the divide between the natural and the built environment. The choice of the multi-story greenhouse utilizes new materials and systems while functioning and producing as a successful farming facility. Architecture and social change can travel. Not only does Relocated Roots serve the community, but the design itself promotes a sustainable, self-sustaining model that crosses the divide between the natural and the built environment. The choice of the multi-story greenhouse utilizes new materials and systems while functioning and producing as a successful farming facility. Architecture and social change can travel. Not only does Relocated Roots serve the community, but the design itself promotes a sustainable, self-sustaining model that crosses the divide between the natural and the built environment. The choice of the multi-story greenhouse utilizes new materials and systems while functioning and producing as a successful farming facility. Architecture and social change can travel. Not only does Relocated Roots serve the community, but the design itself promotes a sustainable, self-sustaining model that crosses the divide between the natural and the built environment. The choice of the multi-story greenhouse utilizes new materials and systems while functioning and producing as a successful farming facility. Architecture and social change can travel. Not only does Relocated Roots serve the community, but the design itself promotes a sustainable, self-sustaining model that crosses the divide between the natural and the built environment. The choice of the multi-story greenhouse utilizes new materials and systems while functioning and producing as a successful farming facility. Architecture and social change can travel. Not only does Relocated Roots serve the community, but the design itself promotes a sustainable, self-sustaining model that crosses the divide between the natural and the built environment.