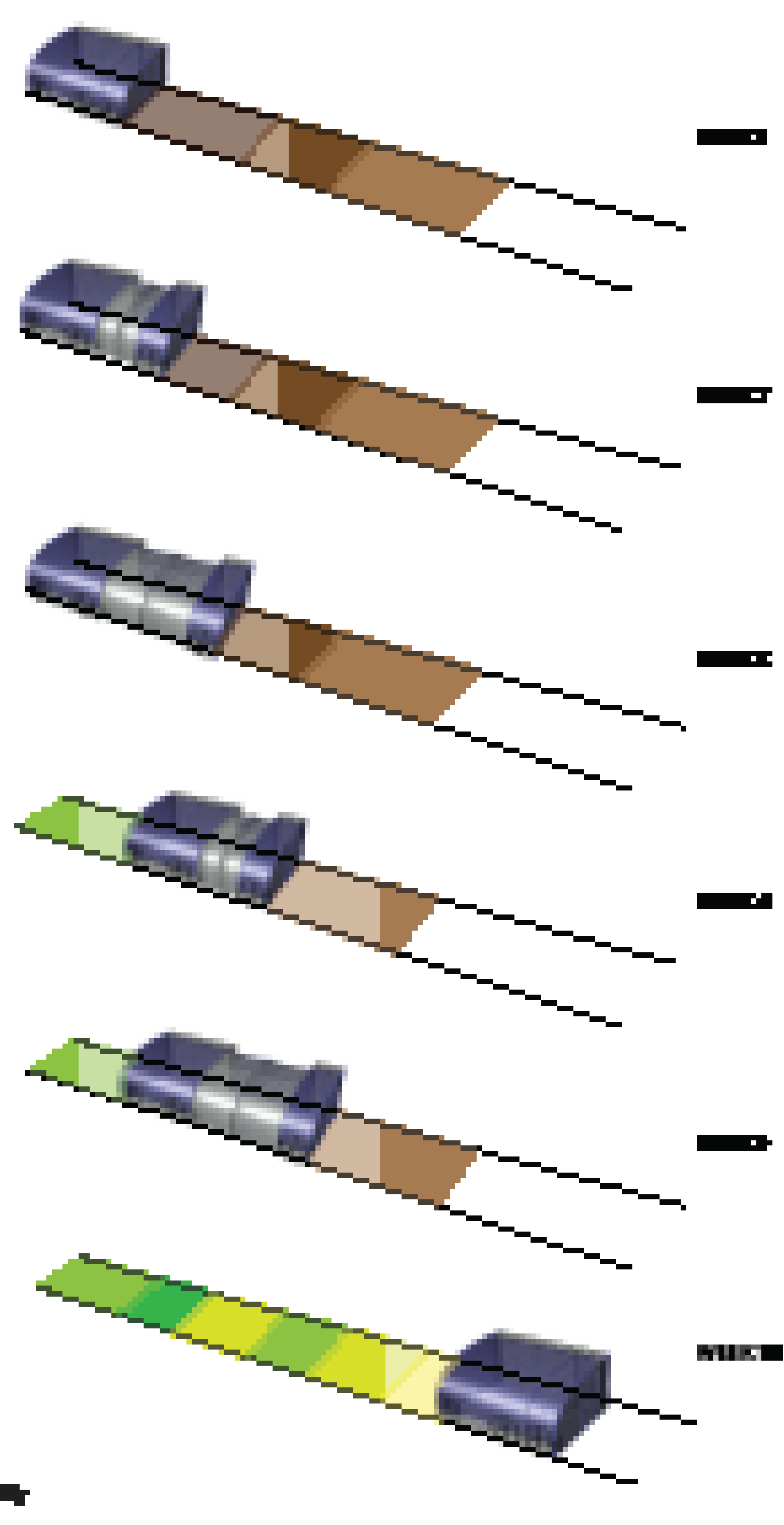
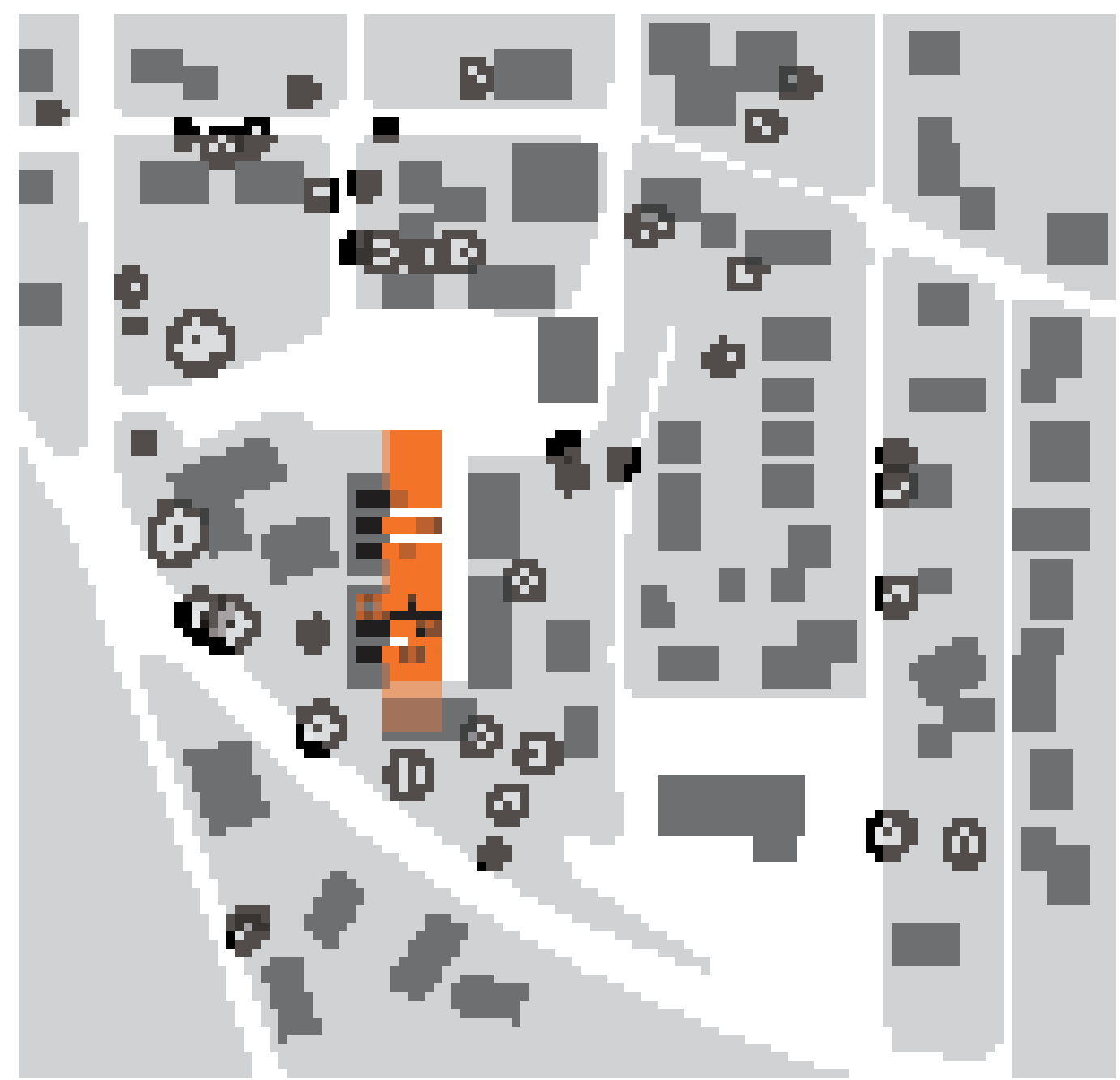
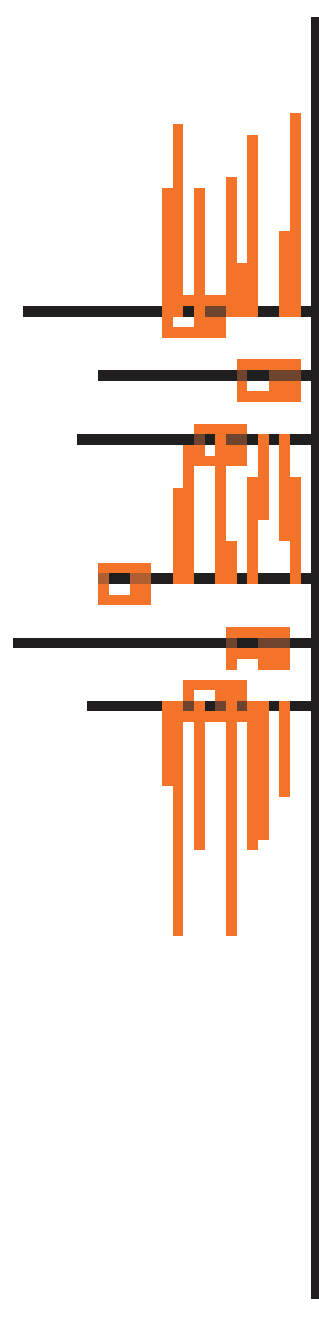


CATERPILLAR GREENHOUSE



CONCEPT

SITE PLAN

FEATURES

- Movable to accommodate different growing lines of crops.
- Use traditional contemporary greenhouse materials for ease of production.
- Integrate water collection and storage to be used as thermal mass.
- Use large wheels with gear and crank lifting system to make moving easy.

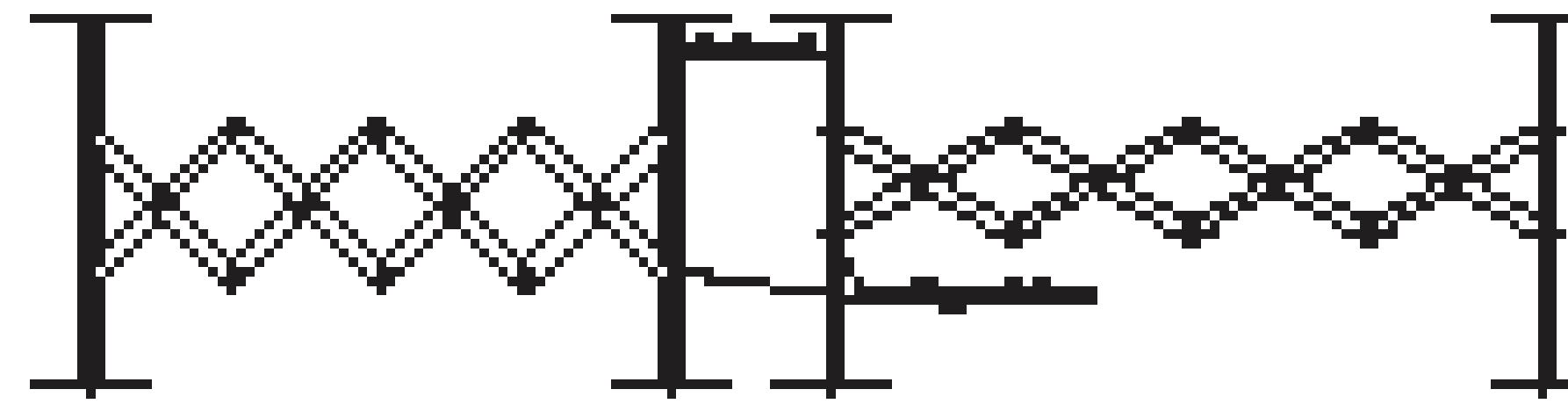
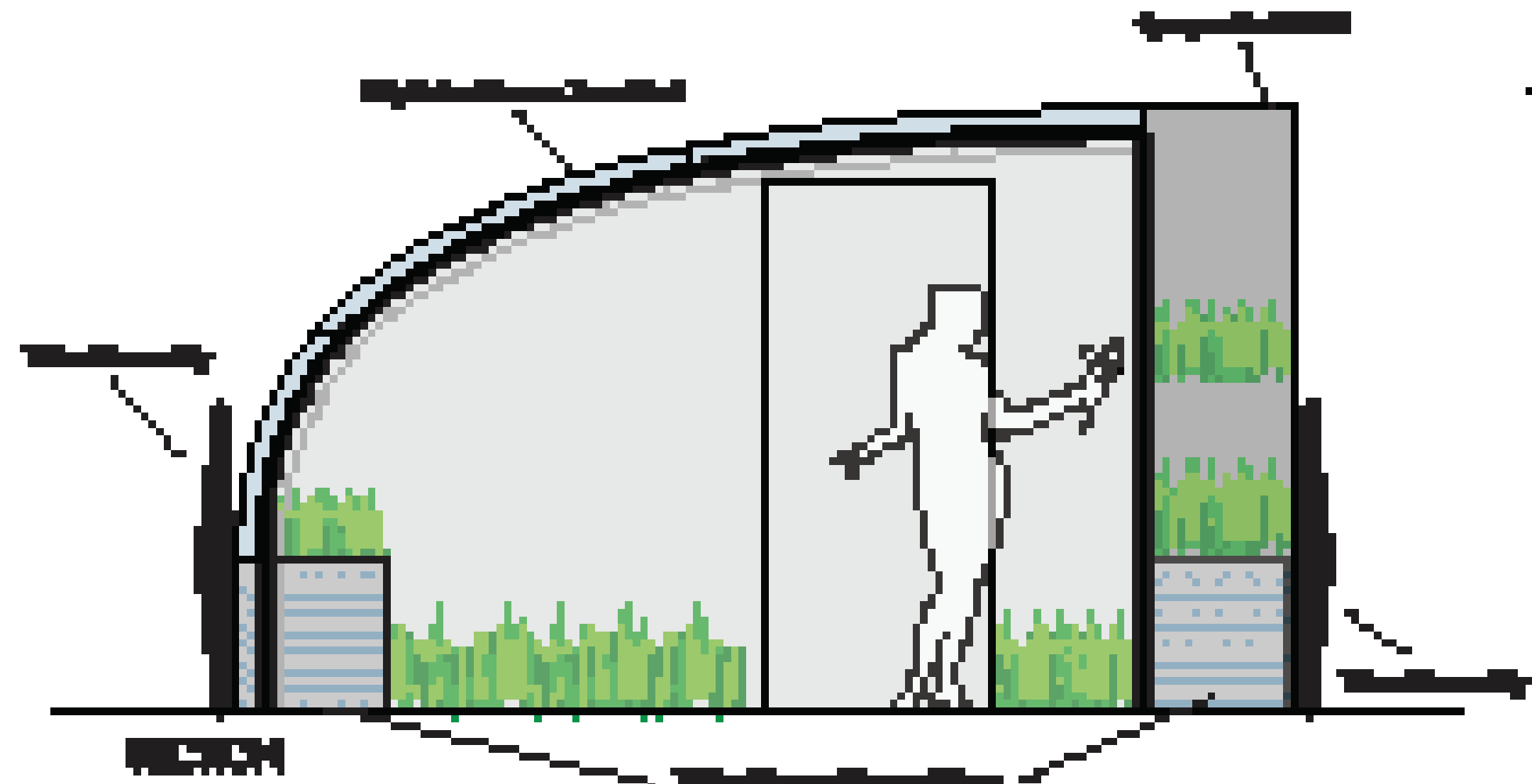


DIAGRAM MECHANISM

CONFIGURATIONS

- Can operate as a normal, high-performance greenhouse when completely closed, or can be extended with a cold frame section to increase greenhouse size.

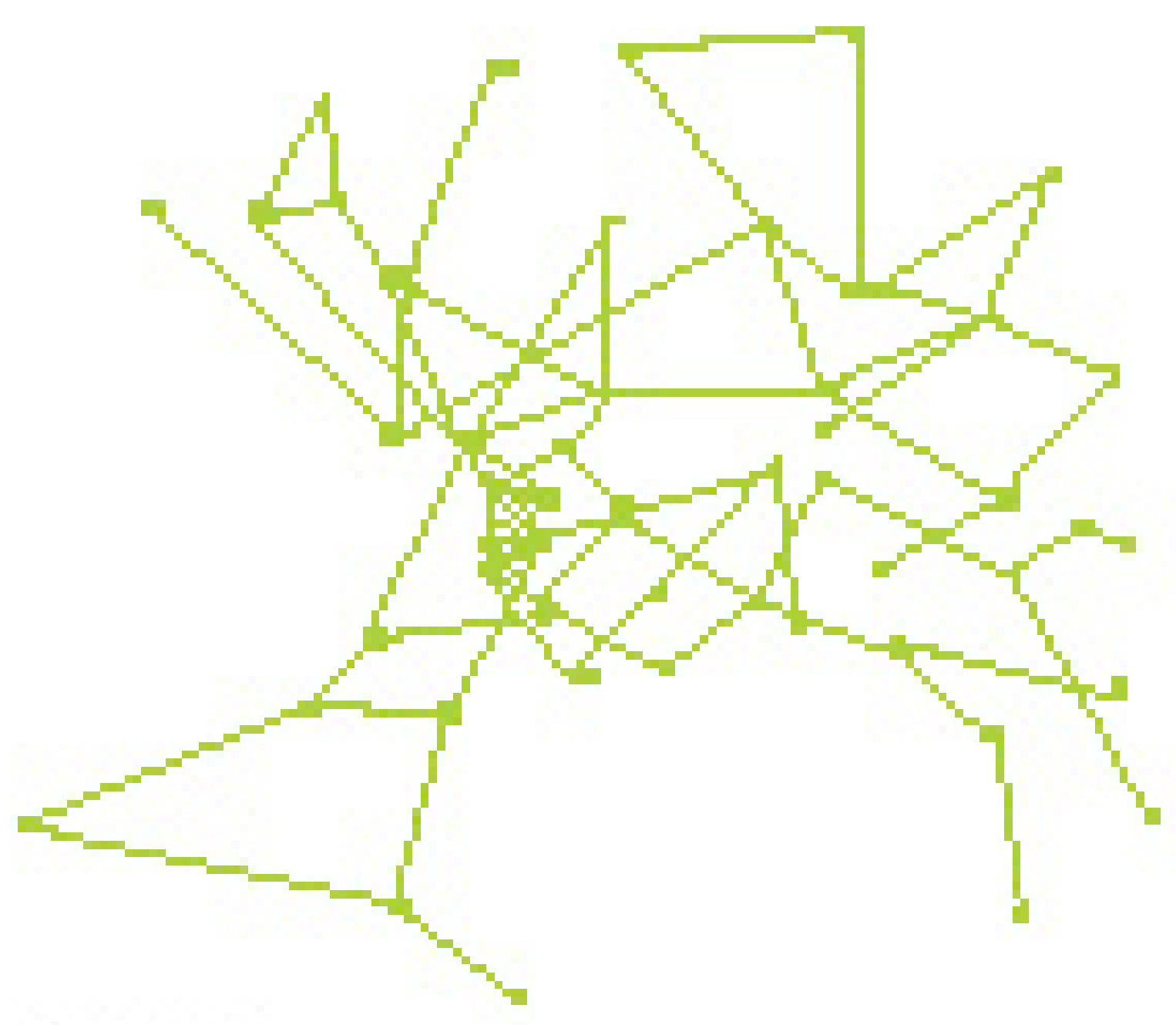


SECTION

GROWING DIAGRAM

ASSEMBLY | CONSTRUCTION

- Relatively easy construction and assembly; no more complicated than any hard-shelled greenhouse.



CONCEPT

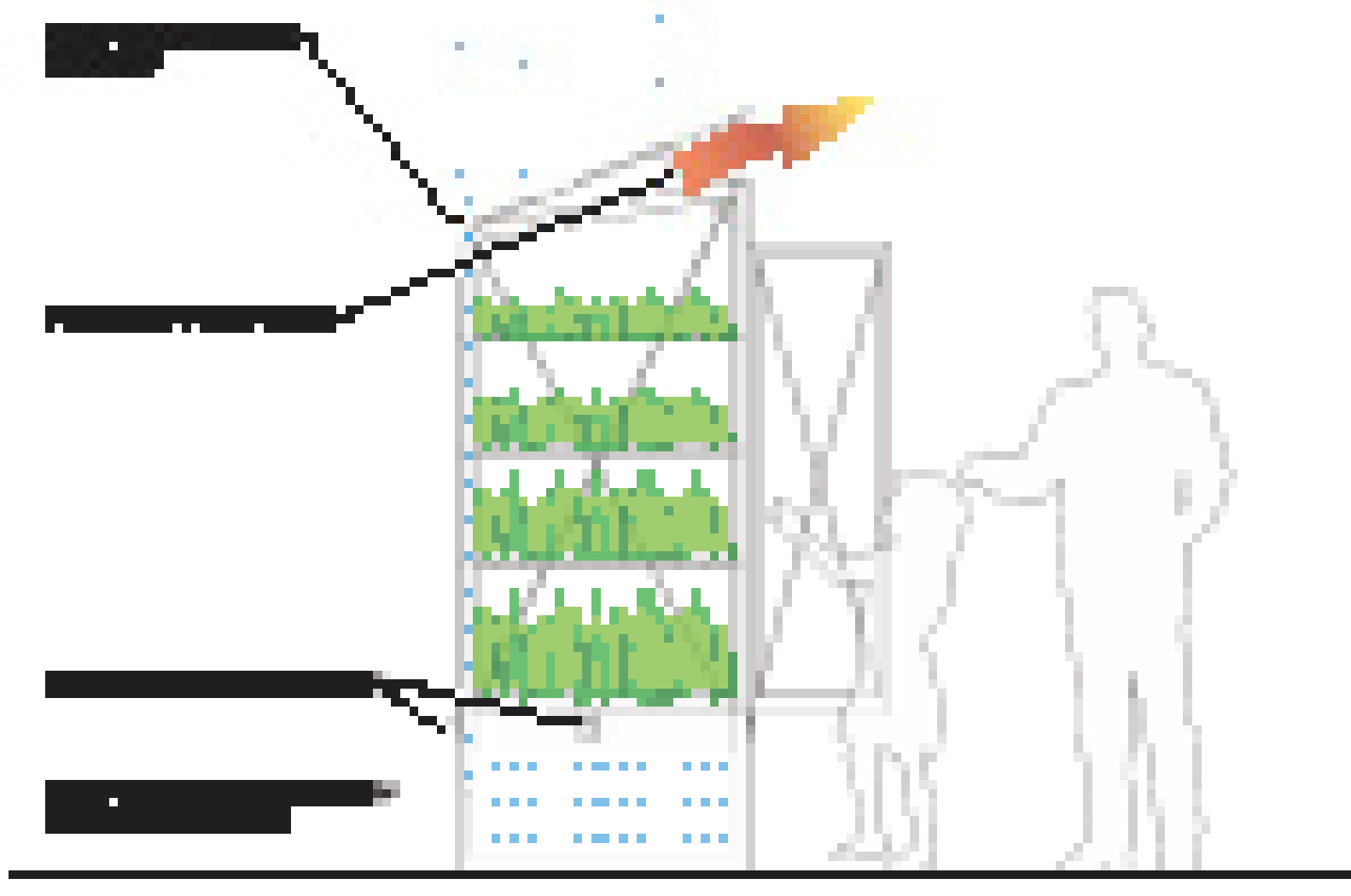


SITE PLAN



FEATURES

- From booth-sized greenhouses can be easily relocated.
- Ideal for use by individuals/families.
- Water collection and storage doubles as thermal mass.
- Roof vent system can rely on passive technology (vented vent lifting) or could be powered by solar panels.



DIAGRAM

CONFIGURATIONS

- A "toeing hard" could be placed randomly across FDA site or functional at installation.
- Can be grouped together, removing interior panels, to create larger volume. Potential to power several with all once.
- Potential for individualization - invite artists and/or community members to decorate. See Seattle's Pop-on Parade program.

ASSEMBLY | CONSTRUCTION

- Could be assembled quickly from a kit of parts.
- Could be fabricated easily with limited tools and experience (such as by high schoolers).



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BOOTH GREENHOUSE