

Trade Ecological Remediation Agency (T.E.R.A.)

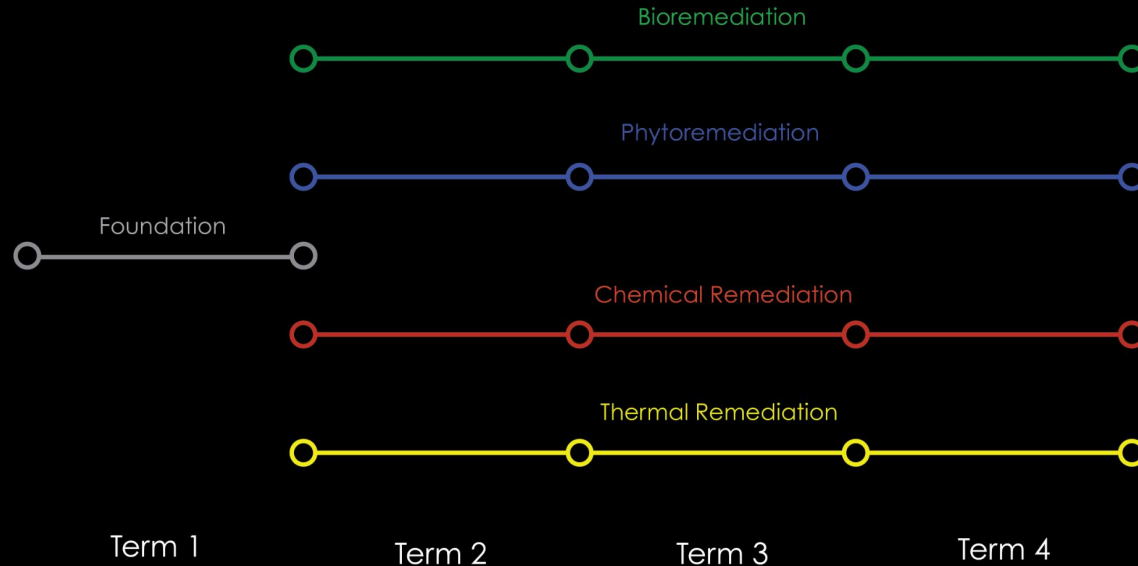
# *Abstract*

The CCC Trade of Environmental Remediation Academy (TERA) is a new form of vocational school that centers around environmental remediation, with testing occurring on site. The project is an educational institution that incorporates a new type of trade school typology with a residential space for students to be fully immersed in their chosen field of study related to remediating and rewilding toxified landscapes. TERA will revitalize the site formerly owned by several oil companies and become a central point of learning and innovation within the community.

# *New Civilian Conservation Corps - What is it?*

- The original Civilian Conservation Corps was created in the New Deal Era and its purpose was to restore the country's depleted natural resources and find immediate and useful conservation work for millions of unemployed young men. This program was very successful and it is often regarded as the most successful of FDR's endeavors.
- The New Civilian Conservation Corps plans to revive and improve this program by building off the model of Americorps and pay at least \$15 per hour plus benefits and provide a Green Careers Network that would seek to train enrollees for permanent jobs and direct them to high-paying private employers.
- Using trade schools can greatly benefit this program.

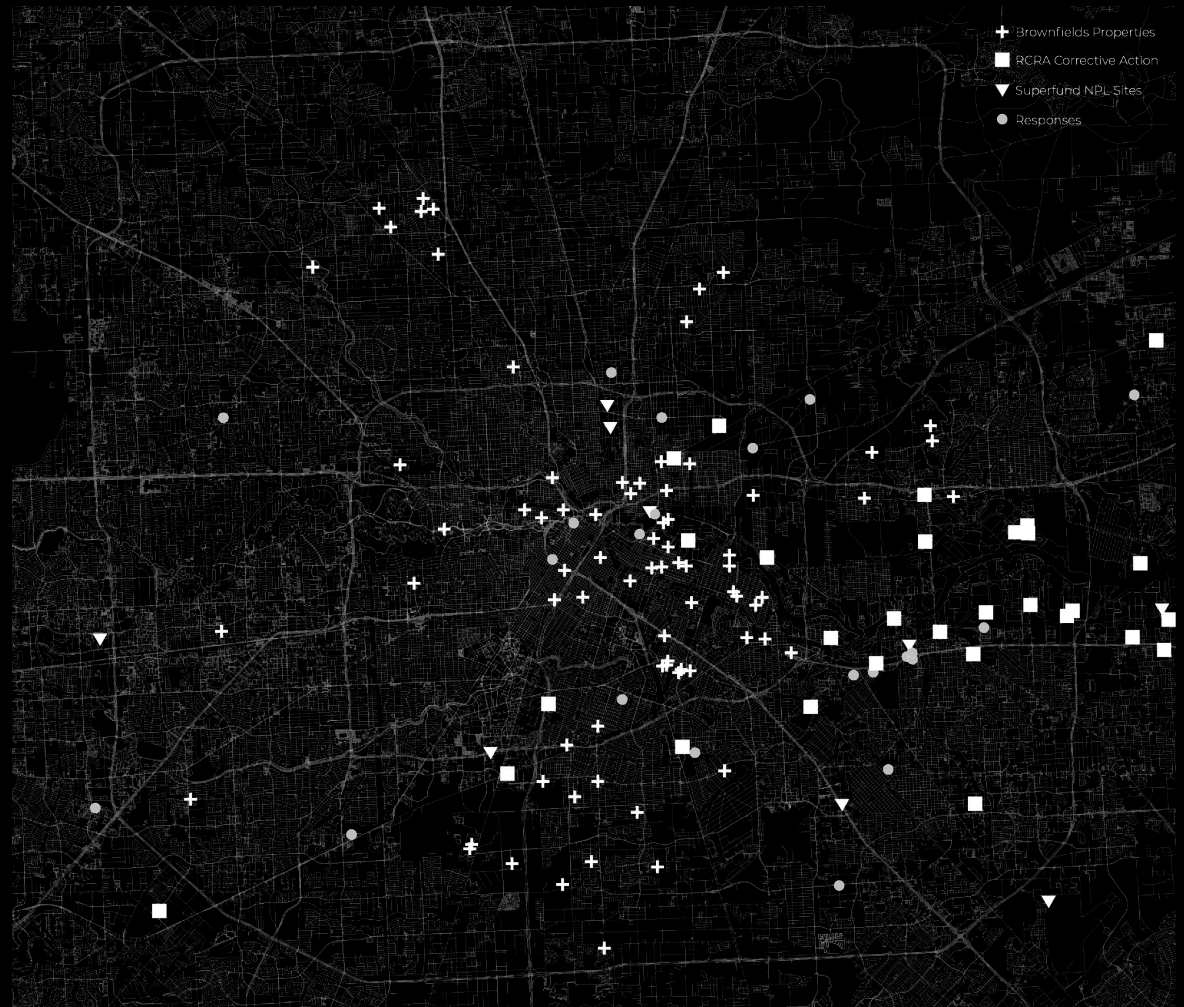




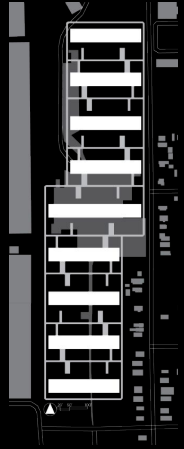
- Concept diagram for the curriculum TERA with four methods of ecological remediation. It uses the traditional 4-semester model.
- A trade school, as opposed to a traditional university, is a more affordable and concise option that provides training in the technical abilities of a specific trade.
- This project challenges the notion of a trade school with the provision of on campus living and courses that orient students towards various fields. It allows for students to be more immersed in their field while the surrounding area can see the direct results from the trade school as time goes by.

# Toxic Sites

- Map showing various toxic sites around Houston, comprised of Brownfield Properties, RCRA Corrective Action Sites, and Superfund NPL Sites. In gray are the responses towards some of these toxic sites.
- The purpose of TERA is to not only educate and house students but to remediate the environment and test how that can be done. This project can be implemented onto toxic sites around Houston and the nation through the funding of the CCC.



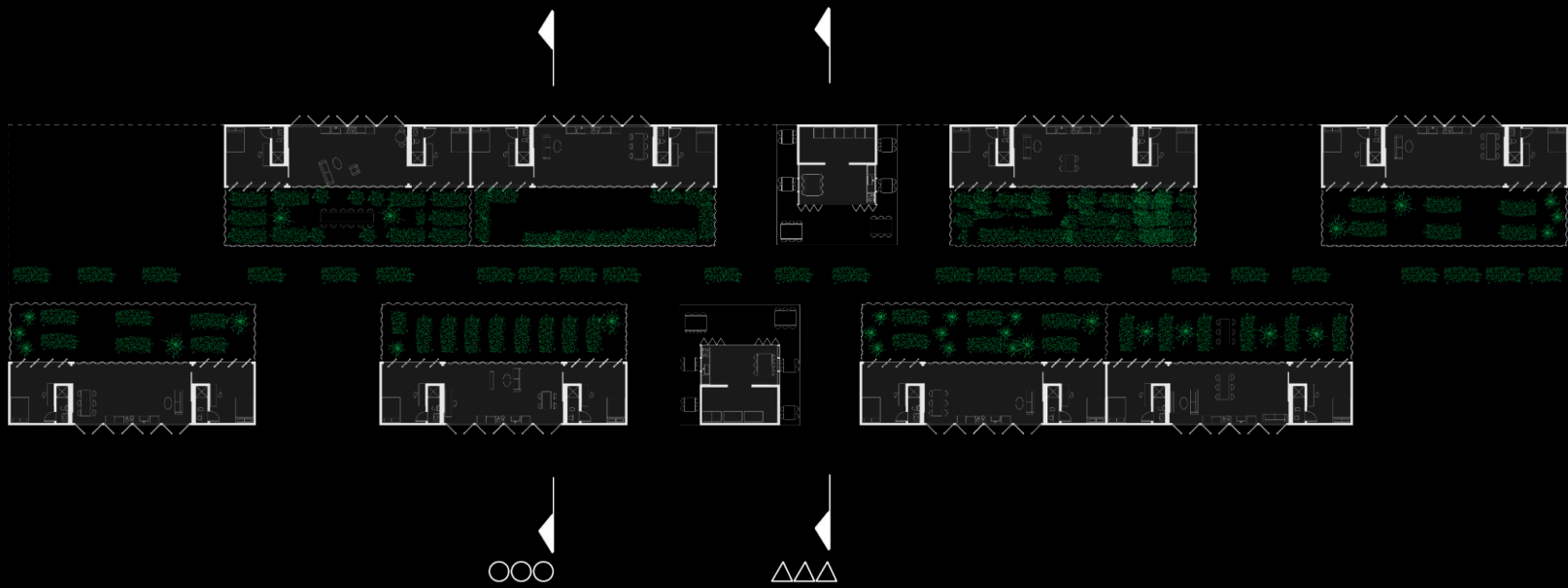
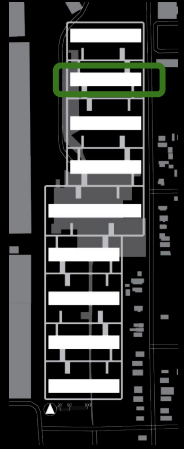
# Site Plan

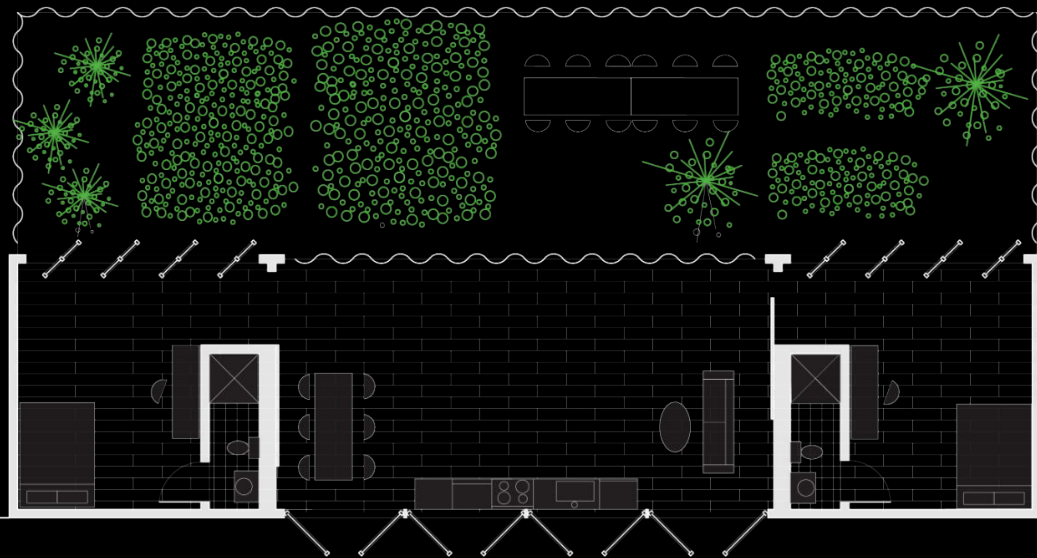


- The project is laid out as a sequence of alternating bars over the landscape. The massing of the buildings speaks to both East and West sides of the site.
- The institutional bars compare to the heights of industrial buildings to the west and the residential bars compare to the houses along the East and are partially submerged in the site. The blue buildings are institution and the yellow are residential spaces

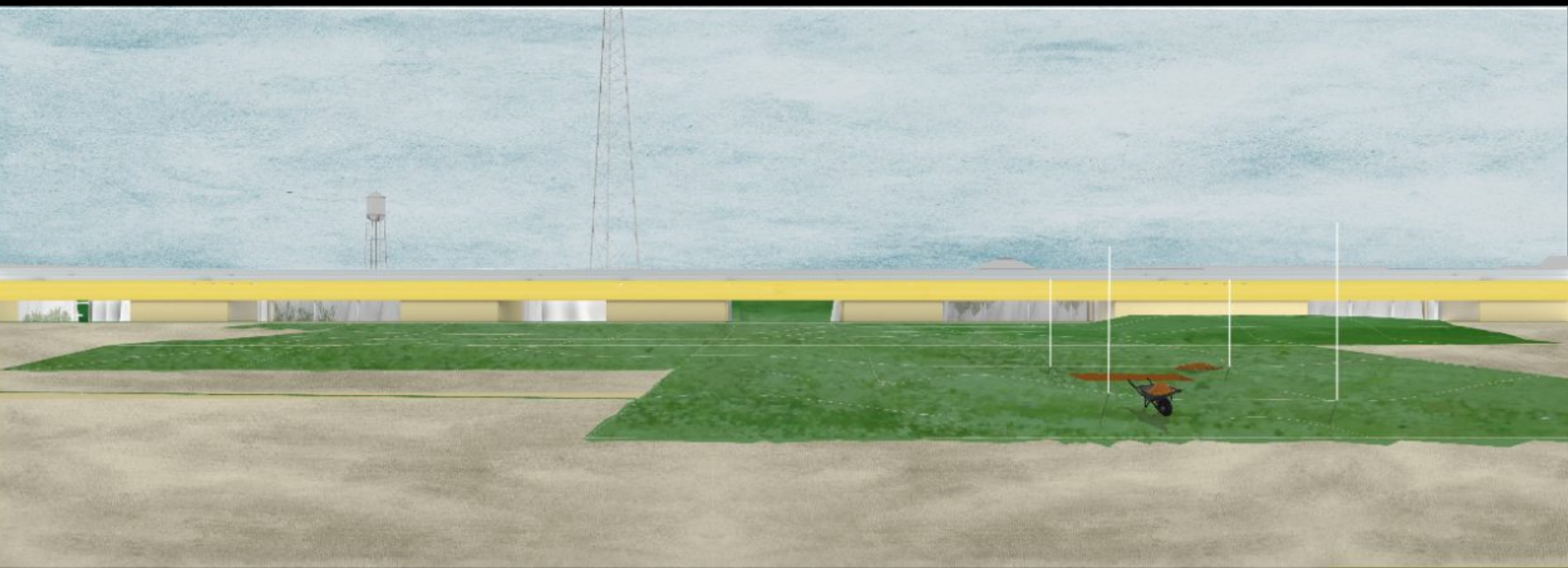


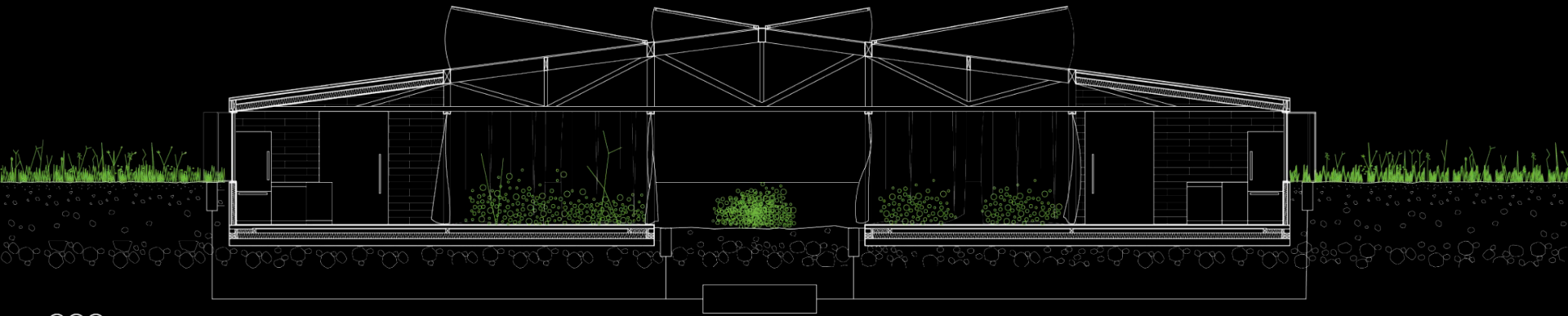
# Residency



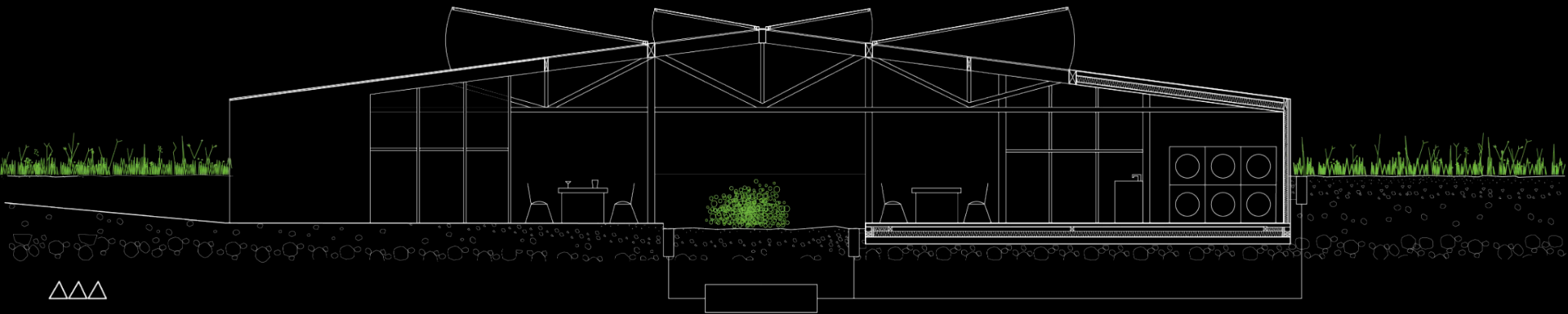








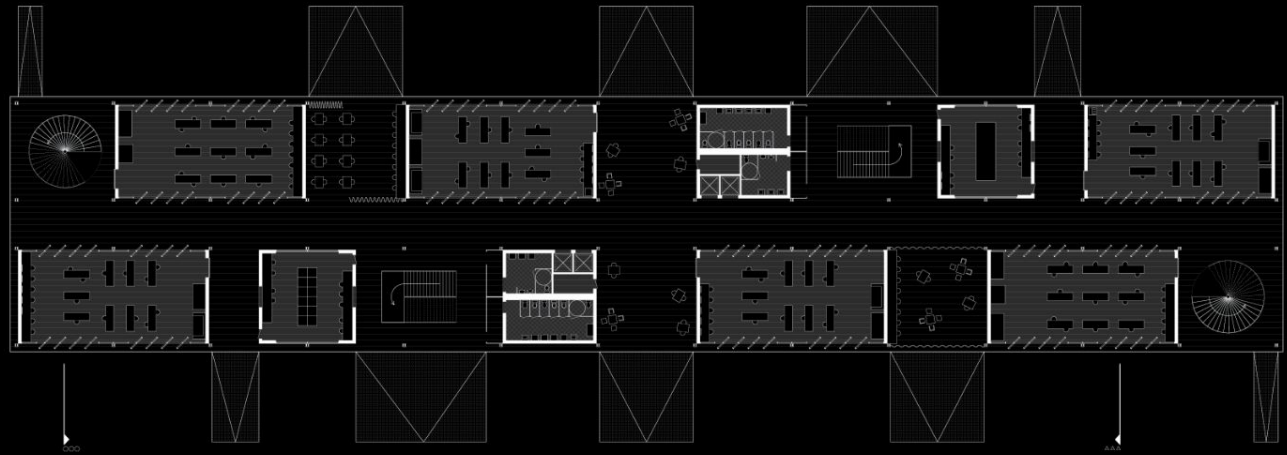
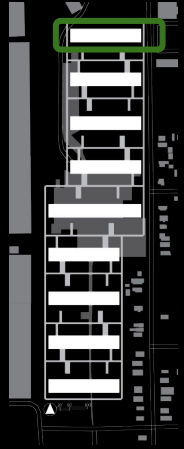
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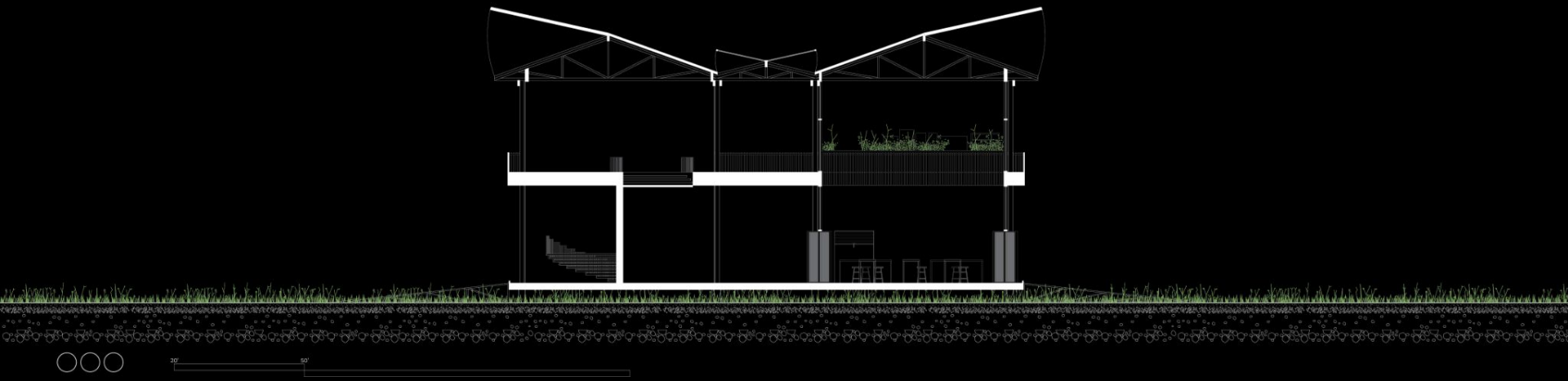
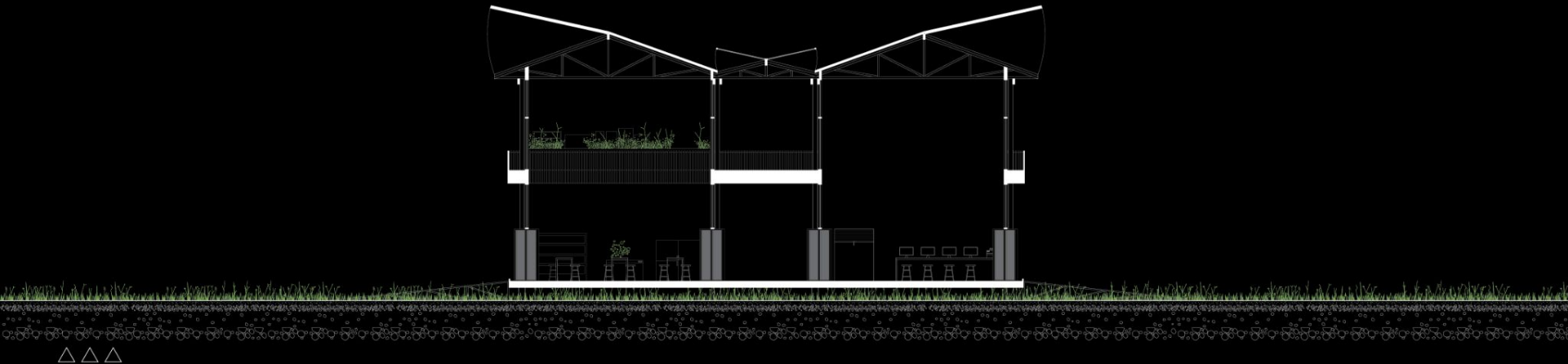
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# Institution









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