

TRAINING STATION

EMERGENCY-RESILIENT TECHNICAL CLASSROOMS AND WORKSHOPS

S|E|A

SCOTT EDWARDS ARCHITECTURE

DESIGN TEAM

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SUSTAINABLE FEATURES

Each car can be fitted to include a green roof, with drainage to water barrels on the side of the train for rainwater reclamation. Additionally, the cars can be fitted with solar panels on rails, so the panels can be adjusted based on car placement on the site. The landscaping and permeable paving used on the site allow for natural drainage and the growth of plants to aid in stormwater filtration, and wildlife support. The hardy train car assemblies create an emergency-resilient structures for longevity in the community under fluctuating circumstances.

MATERIAL ADDITIONS

Both Type 1 and 2 MAX cars require the addition of ramps to make the train cars fully accessible and connected to one another. Structures are intended to be added over time to reflect changing needs. Foundations comparable to manufactured homes and additional structure for roofs and rooftop additions is anticipated due to customized configuration. Interior equipment is added on an individual basis, to support the educational focus, but all trains include workstations for learning through practice, and partitions for flexible use.

PROJECT DESCRIPTION

Educational inequity and lack of community support contribute to job, food, medical and housing instability in under-served Communities. The 'Training Station' builds on the spirit of equity in Public transportation by providing educational opportunities to everybody within a Community. The 'Training Station' aspires to build community by allowing different communities to define their own needs and services and customize the trains to reflect their identity. Sharing knowledge will help build more self-sufficient and socially supportive neighborhoods, creating employment opportunities locally and job training for those struggling to get a foothold.

The 'Training Station' addresses environmental issues by upscaling Max cars, engaging people in the value of re-purposing already manufactured resources and teaching practical ways to use our natural resources. 'Training Stations' can be incubators for the next generation of inventors and entrepreneurs in sustainable technology and practice.

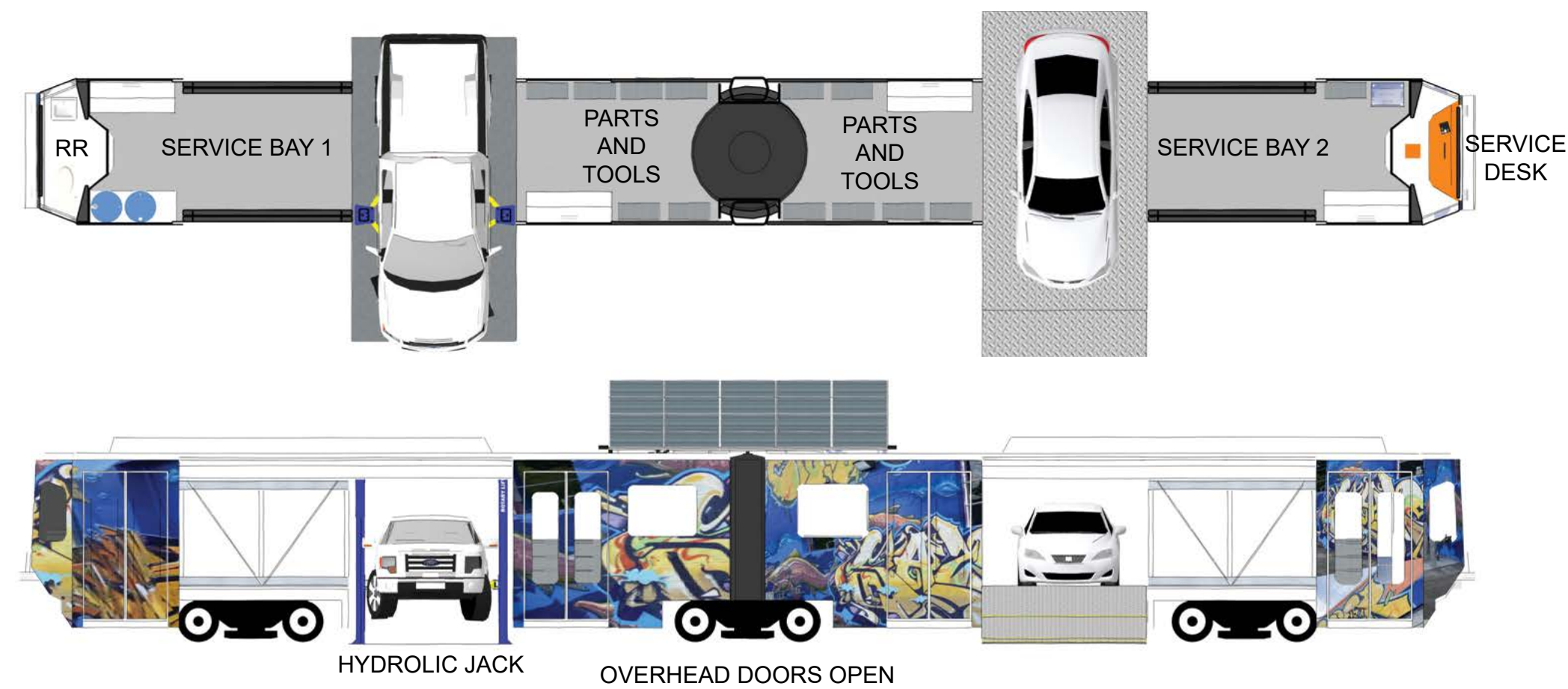
Training Station opportunities include:

- Medical training /access to virus testing, flu shot/ vaccine administering, blood donation, WIC and CPR training
- Emergency preparedness training, supply storage and neighborhood Muster Area
- Community meeting/training room for Neighborhood Associations, Community Garden, and other civic or social engagement organizations
- Home improvement, weatherization/energy efficiency and maintenance training
- Showers and Restrooms for the under-served that educate and engage involvement in water

AUTOMOTIVE MECHANIC'S SHOP AND SCHOOL

Training to maintain and value existing manufactured resources.

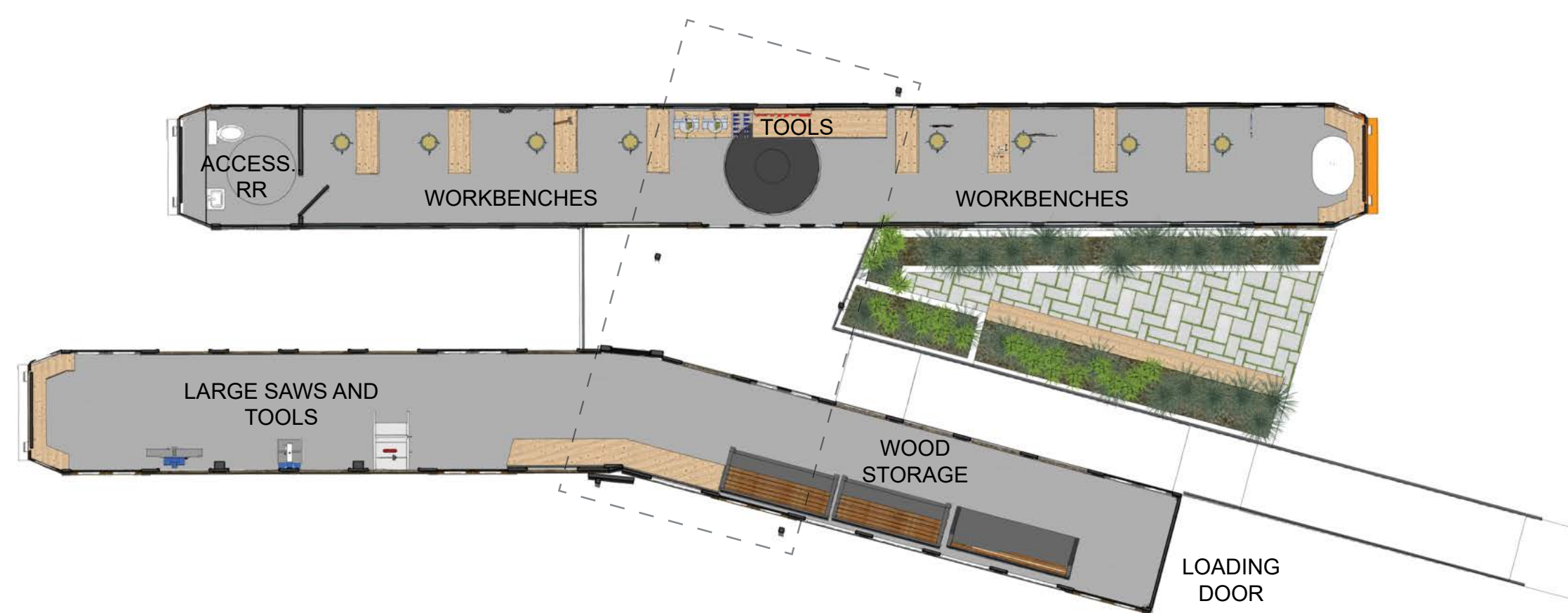
LRV TYPE 1



WOOD WORKING STUDIO AND SHOP

Training in up-sourcing materials while developing motor and entrepreneurial skills.

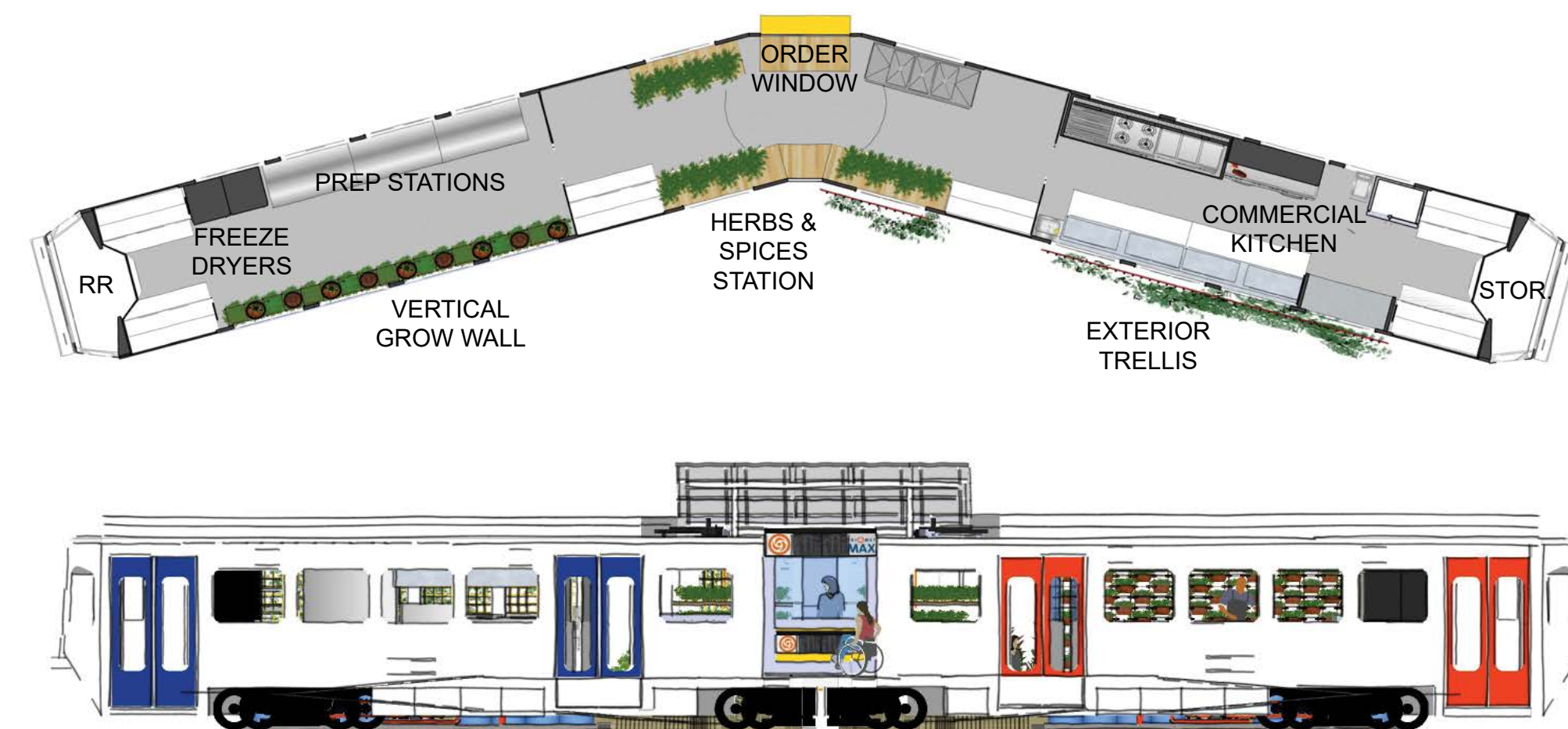
LRV TYPE 1



FOOD PRESERVATION AND URBAN FARMERS MARKET

Training in the cycle of food production as defense against food insecurity.

LRV TYPE 1



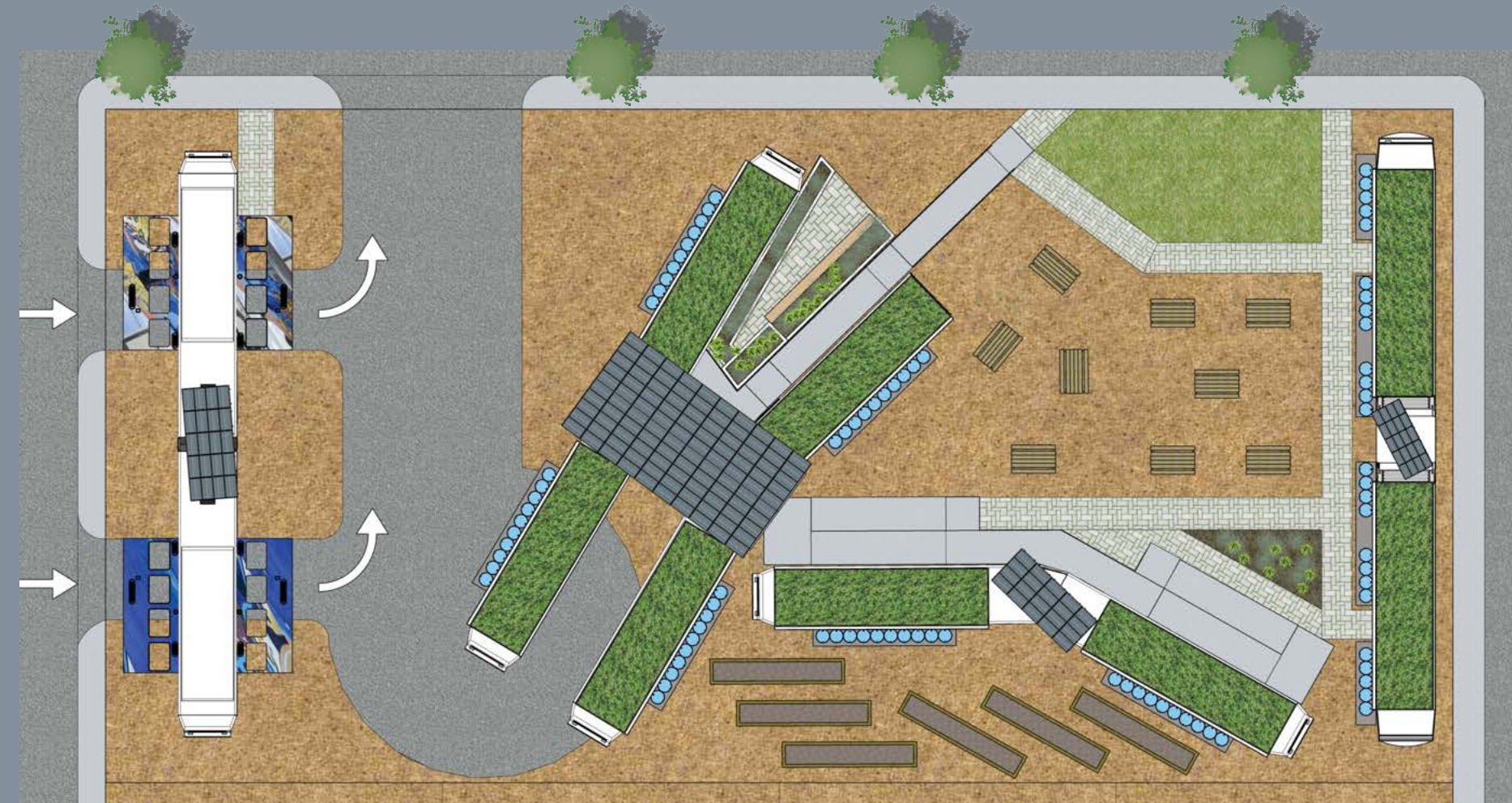
TECHNOLOGY AND GENERAL EDUCATION HUB

Training resource to meet long and short term needs; muster zone in times of emergency.

LRV TYPE 2



SITE PLAN



SITE STRATEGIES

For this hypothetical site, a 100ft x 200 ft half block is used. The trains are organized from high to low noise level work across the site. In addition, the trains form a pedestrian focused area, separated from possible vehicular traffic on-site, with opportunities for interaction and collaboration.

CONSTRUCTION PROCESS

A majority of the construction process includes small retrofits and additions to the existing trains. The mechanic's shop and wood-working studio do require portions of the outer train car to be cut through to create wide open doors for large supplies and vehicle pass through.