Our proposal is carbon neutral, with on and off-site renewable generation to offset energy use and embodied carbon. Water storage on-site limits potable water needs while managing storm water run-off and providing resilience during outages. Reuse of waste water heat minimizes energy use. All cooking is electric, including the food hall, and renewable energy-use ready. There is no use of natural gas in the building. Short spans and light façade minimize the weight of the structure and foundation; cutting-edge concrete technology reduces embodied carbon by 30%. Accessible stations on every floor serviced daily as a potential job opportunity for lower-income residents. 25% glazing ratio, performance insulation and integrated shades allow solar control and resilient heat loss/gain control. Native plants attract pollinators while offering storm water infiltration and a place of respite. Located on Level 2 for resilience to potential future flooding; power backup during outages.

Individual
Assemble Chicago’s high-performance façade, along with the increased thermal mass of its structure, optimizes energy usage and reduces operational energy usage and emissions. Solar heat gain is minimized by angling the window to the south. Operable windows oriented to the south increase cross ventilation and take advantage of natural light and heat.

Community
Assemble Chicago will encourage partnerships between biodiversity and social and economic opportunity. The design seeks to create additional green space and employment opportunities for 170 to preserve existing green spaces and provide additional opportunities for the development of social and economic opportunities. In addition to the rooftop PV array, the project will look to off-site solar power generation locations at TCB’s Oakwood Shores Community.

City
In addition to the rooftop photovoltaic array, the site will incorporate a green wall, a rainwater harvesting system, and a permeable paving system to connect with the neighborhood.

Healthy Community
Plaza that invites local vendors to connect with the neighborhood.

Urban Habitat
Home to diverse species, fosters biodiversity and an urban oasis.

Stormwater Planter
Add to diverse habitat and facilitate healthier root growth.

Carbon Free Transportation
Easy to access bike station encourages a healthy commute.

Mitigates stormwater runoff.
The building is grounded in a vibrant, community-centered base: the NeighborHub. It hosts new recreational, wellness, professional, and cultural resources for residents, community groups, and local businesses. Weaving seamlessly together with a reinvigorated Pritzker Park, the NeighborHub transforms its site into a vibrant indoor-outdoor civic hub for all Chicagoans.

A Vibrant Public Space to Assemble

The NeighborHub has been designed to operate seamlessly with Pritzker Park as a vibrant indoor/outdoor environment capable of supporting diverse community-driven programming and activations. Each space within the NeighborHub is designed to function independently while retaining the ability to spill out into adjacent spaces and the Park for larger events and gatherings.

Assemble Chicago leverages its position in downtown Chicago to provide a vibrant mix of amenities that support community groups and small businesses from every neighborhood in the city.
Assemble Chicago provides efficient and healthy living spaces for the Loop’s moderate- and lower-income workforce. Each apartment features a contemporary version of Chicago’s classic bay window for ample natural daylight and fresh air.