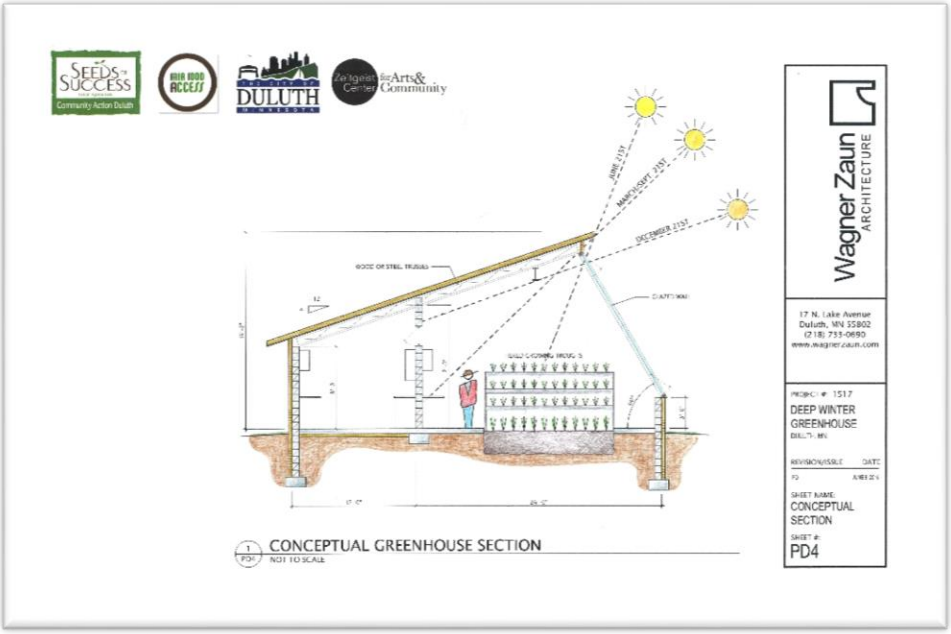
DEEP WINTER GREENHOUSE

A JOINT PROJECT OF COMMUNITY ACTION DULUTH, THE CITY OF DULUTH, JUNIOR LEAGUE OF DULUTH, and ZEITGEIST CENTER FOR ARTS AND COMMUNITY



PROJECT: *Build and operate a 2,100 sq. foot passive solar Deep Winter Greenhouse in the Denfeld neighborhood of West Duluth. The greenhouse will exist in concert with other food-related projects happening in close geographic proximity: a new community garden/edible forest site will share the other side of the lot, and the local co-op is opening a second store across the street with a space for educational programming and cooking classes. The greenhouse is designed to maximize vertical growing space, and to be as passive solar as possible through a location-specific solar incidence calculation and very efficient heat storage beneath the structure.*

PARTNERS: *The greenhouse project is an effort of several committed entities: Community Action Duluth (Seeds of Success program), the City of Duluth, the Junior League of Duluth, and the Zeitgeist Center for Arts and Community. Seeds of Success, an urban agriculture and transitional employment program of Community Action Duluth, will be the primary operator of the greenhouse once built. All other agencies play large supporting roles through funding, site ownership, and educational support.*

GOALS: *Seeds of Success focuses on food access issues, neighborhood revitalization, and hiring people with barriers to employment as transitional employees to grow food in market garden sites around the city of Duluth. In addition, Seeds of Success operates an 18-week seasonal farmers market. The development of the greenhouse will allow Seeds of Success to (1) grow food all winter to meet food access needs through the creation of a winter farmers market, (2) employ more people in a transitional job, and (3) serve as a community resource for those who are interested in sustainable and innovative community food initiatives, especially in northern climates.*