



**Living Building Challenge™ 2.0 Petal Assessment**

<p><b>HEALTH</b>  <b>Civilized Environment</b> - Every occupied space has operable window and adequate daylighting.  <b>Healthy Air</b> - Dirt track-in system at entries, kitchenette, bathrooms, and chemical storage have dedicated exhaust. Equipment installed to monitor CO2 levels, temperature, and humidity. Air quality testing at pre-occupancy and after 6 months occupancy.  <b>Biophilia</b> - Nature is integrated into the building with a close relationship created with the riverfront. Environmental features, such as bioswales, are integrated into the site.</p>	<p><b>MATERIALS</b>  <b>Red List</b> - Project cannot contain any Red List materials or chemicals.  <b>Embodied Carbon Footprint</b> - Total footprint of embodied carbon from construction and projected replacement parts are covered with a one-time carbon offset.  <b>Responsible Industry</b> - All wood products must be reclaimed lumber, wood used from on-site timber cleared for construction, or FSC certified wood.  <b>Appropriate Sourcing</b> - Materials and services are limited to their distance based on their type.  <b>Conservation + Reuse</b> - Implement a materials conservation plan.</p>	<p><b>Site</b>  <b>Limits to Growth</b> - Developed on the site of old railway, not within a 100-year flood plain, use of native species in landscaping.  <b>Urban Agriculture</b> - Set aside area on site appropriate to the building's scale for urban farming opportunities.  <b>Habitat Exchange</b> - Develop the remainder of the site as a native river-side habitat and constructed wetland.  <b>Car Free Living</b> - Provide a Nice-Ride bike kiosk, showers for employees, and a connection to bus transit.</p>	<p><b>Beauty</b>  <b>Beauty + Spirit</b> - Celebrate the culture and spirit of the Minneapolis historic milling neighborhood with a hearth and references to the milling typology.  <b>Inspiration + Education</b> - Provide public education materials about the performance and operation of the building, and allow non-sensitive areas to be open to the public.</p>
<p><b>WATER</b>  <b>Net Zero Water</b> (unachievable due to sanitary constraints) some of the building's water for the fitness center comes from storm-water and a closed loop system, purified without the use of chemicals.  <b>Ecological Water Flow</b> - 100% of storm-water and building water overflow is managed on-site and is released onto adjacent sites without negative impact.</p>	<p><b>EQUITY</b>  <b>Human Scale + Humane Places</b> - Develop for human scale, not car scale, and promote culture and interaction.  <b>Democracy + Social Justice</b> - Integrate street furniture and create a completely ADA compliant site and building.  <b>Rights to Nature</b> - Protect adjacent properties from noxious emissions, do not block sunlight of adjacent properties, and do not restrict access to the edge of the natural Mississippi waterway.</p>	<p><b>ENERGY</b>  <b>Net Zero Energy</b> - High Performance Building Enclosure with sustainably integrated hearth. Integrated rooftop PV array that provides 100% of building energy.</p>	

