Bridging the Gap
Sustainability Through Techné
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How can an architectural interaction awaken a participant’s responsibility to a sustainable future?
Bauen: To build, derived from baun (to dwell), refers to a remaining, caring, and preserving
“To be a human being means to be on the earth as a mortal. It means to dwell”  -Martin Heidegger
“(intervention must) be seen as a case of supporting those factors that help sustain equilibrium” -Hans Geog Gadamer
Fountain Ave
Middletown, CT
Water collection and filtration

Water to be filtered for reuse

Filtered gray water

Water to sewer
Geothermal and radiant heating and cooling system

EC Series 120 242 Horizontal units - Dual supply
30,000 sqft roof space
50 in average rainfall per year
Possible collection: 841,500 gallons/year
16,763 gallons/inch of rainfall

77 people in building
60 loads of laundry in front load washing machines
6 average showers/week/person
10 minutes average water run time/person
1 industrial kitchen

Average usage: 80,000 gallons/month
Summer: Cooling
- Vent Openings
- Aerogel Panel
- Cooled Cavity Air

Winter: Heating
- Vent Openings
- Aerogel Panel
- Heated Cavity Air

Free Moving Louvers Connected to Frame

Interior Louver Control

Air Intake

Damper

Vented Cavity
Mortise and Tennon