Assemble / Disassemble

Disassemblable Small Business for Rural Communities
Problem Statement:

How does the decline of rural communities affect the built environment?
Claim:

Looking at the declining population of rural communities and the empty buildings they leave behind, it is apparent new construction needs to be adaptable to the future.

Theoretical Premise:

New construction in rural communities should be designed to change or even disappear in recognition of its changing future roles.
Rural Decline:

Lack of Jobs
Single Work Base
Lack of Natural Amenities
Out-migration of College Graduates
High Unemployment
High Rate of Poverty
Rural Needs:

- Diversify Local Economy
- Retain College Graduates
- Be Sustainable
Solution:

Support entrepreneurship in small towns by creating structures that facilitate new ideas and adapt with the dynamics of new businesses.
System: Beginning Process

Duality
Dynamic
System: Intentions

Interchangeable
Easily Reconfigured
Completely Disassemble
Versatile
Durable/Renewable
System: The Unit

Panels Between Structure

Panels Attached to Structure

Solid Units

Exterior Structure
System: Structure

Rexroth Aluminum Framing
System: Scale
System: Details
System: Final
System: Parts
System: Detail
System: Versatility
System: Adaptability
System: Application

Site: Morris, MN

University of Minnesota
West Central Research
Stevens Community Medical Center
Stevens County Courthouse
Stevens County History Museum
Elementary and High School
Site: Analysis
Site: Analysis

Heavy Traffic

Pedestrian Traffic

Entrepreneurs
Site: Organic Growth
Entrepreneur: Office
Entrepreneur: Research
Entrepreneur: Production