Welcome
David Rock
Design Thesis 2010
Thought process

Movement

The American Dream

The economy

St. Cloud

Immigration
Can architecture redefine the American Dream by assisting immigrants to establish themselves in a community?
Inspiration

HDC (Neighborhood Development Center)

“...help emerging entrepreneurs develop successful businesses that serve their community, and to help community groups build a stronger neighborhood economy.”
Typology

- Mixed-Use building
- Immigrant Entrepreneurial Development Center

live-work-play
Site - downtown St. Cloud, Minnesota
Site - Connect residential neighborhood to downtown
Case study - Unite d’habitation Marseilles, France  Le Corbusier

embrace all aspects of life

live/work/play

solved issues

“main street”
“main street”

Connection
Case study - Midtown Exchange  Minneapolis, MN

embrace all aspects of life

live/work/play

international market

sense of community
Program

residential housing
retail/commercial spaces
food court
market
vertical gardens
green spaces
classrooms
same courage embedded accepted
Process model/sketches
Process model/sketches
Process model/sketches
Process model/sketches
Process model
Process model/sketches
Process model/sketches
Process section

- Green House
- Market
- Food Court
- Third Floor walkway
- Residential Unit
- Residential Unit
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- Residential Unit
- Residential Unit
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- Residential Unit
- Commercial/Retail
- Two levels Underground Parking
- Level 10: 93'0"
- Level 9: 85'0"
- Level 8: 75'0"
- Level 7: 85'0"
- Level 6: 55'0"
- Level 5: 45'0"
- Level 4: 35'0"
- Level 3: 25'0"
- Level 2: 15'0"
- Underground 1: 10'0"
Site plan

- Open playing field
- Sixth floor greenhouse
- Solar hot water heaters on green roof
- Underground parking & garbage pick-up
- "Main street" connection
- Vertical garden spaces
- Playground
1. Food Court/Atrium
2. Flexible Restaurant spaces
3. Flexible Retail Space
4. Circulation for Residents
5. Indoor garden plots
6. Market
7. Loading dock/garbage
8. Public Entrance
10. Ramp
4. Circulation for Residents
5. Indoor garden
9. Classrooms
10. Ramp
11. Computer Lab
12. Indoor residential gathering area
13. Residents rooms
14. Residential Walkway
Sixth Floor

Garden

Section One

Section Two

4. Circulation for Residents
5. Indoor garden
9. Classrooms
10. Ramp
13. Residents rooms
Residential units
Atrium/community space
Atrium/Residential walkway
Systems/sustainability

Section One

Through Market

and Garden

Underground Parking

Market Floor

Classroom Level

Flexible Commercial Spaces

Indoor residential gathering area

Mechanical

Circulation

Solar hot water panels with water tank location

Rainwater collection

Water re-distribution

Indoor Garden

Fall/Spring equinox

Sun angle 46 degrees

Rain-water collection tank

Grey water filtration and irrigation recycling tank
Systems/sustainability

Through Residential and Flexable retail spaces

Rain-water collection tank
Gray water filtration and irrigation recycling tank

Section Two

Flexible Commercial Spaces
Residential Units
Underground Parking

Fall/Spring equinox
Sun angle 46 degrees

Solar hot water panels with water tank location
Rainwater collection
Water re-distribution
Indoor Garden
Indoor residential gathering area
Mechanical
Circulation

Indoor residential gathering area
Mechanical
Circulation

Rainwater collection tank
Gray water filtration and irrigation recycling tank
Bing Maps
http://www.galenfrysinger.com/vermont_granite_mining.htm