



## Thesis Abstract

This thesis presents research on the benefits well designed youth centers can have on children as they grow into adulthood. The typology of this project is a center for the study of children maturation. The site is in Minot, ND, which is in the midst of major growth and development in response to the booming oil industry. The project's theoretical premise/unifying idea is: Architecture can contribute to a better understanding of the process of childhood maturation.

#### Keywords

Youth Center Development Child Interact Grow

The Claim Design can act as a positive force in the development of young childhood.

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Supporting Premises

Properly designed buildings have been shown to enhance the development of young children.

Childhood development is influenced in part by forces outside of the family.

Young children develop in groups as well individually.

The positive development of children can be assured through the experiences they receive in early childhood education.

The Claim

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Theoretical Premise/Unifying Idea

Architecture can contribute to a better understanding of the process of childhood maturation.

**Project Justification** 

As the city of Minot grows rapidly, as the population expands, the children of the city will grow up in a booming economy. The ways that they grow and mature in this environment can be studied and provide insight into characteristics the built environment needs to exhibit to help see these children through to maturity.

# **User/Client Description**

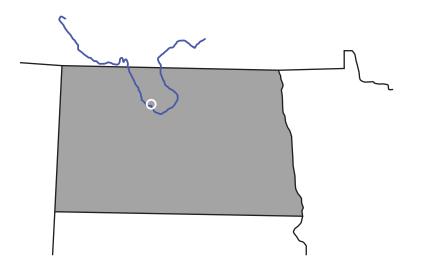
#### **OWNER**

This childhood maturation research center is to help understand and better the maturation development of the youth of Minot, ND. This center will be owned by the Minot Public School System; managaed by afterschool program directors, college child education students, and other volunteers experienced with the youth.

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facility.

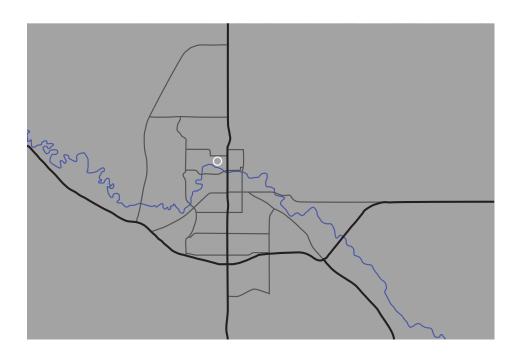
are picking up or dropping off children. Most children will arrive on afterschool bus routes, bikes, walking, or parent drop off. The space is open to the youth, so there will be many different cultural, social, ethnic and economic backgrounds of the children using the



## Site Information

#### REGION

Minot, ND is located in the central region of North Dakota. The city is loccated on the lower end of the Souris River, which starts and ends in Canada.



#### CITY

Minot is to be considered one of the larger cities in the state of North Dakota. The population of Minot according to the 2010 Census is 40,888. The city became in existance in 1886 when railroad work stopped for the winter.

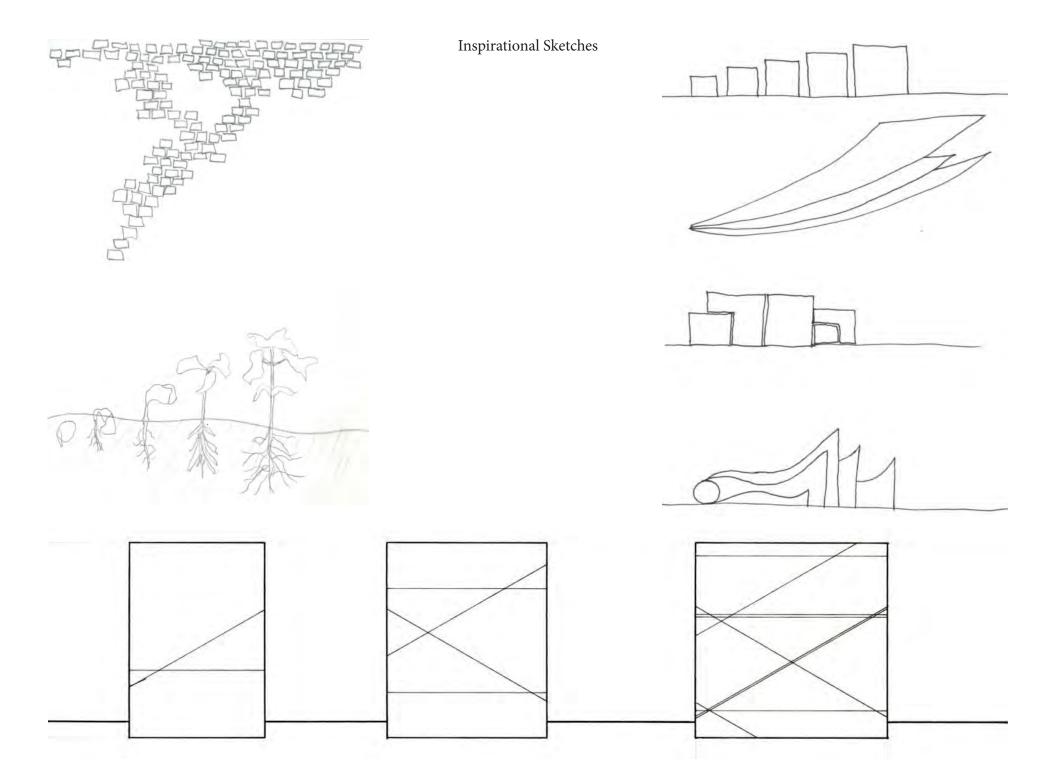


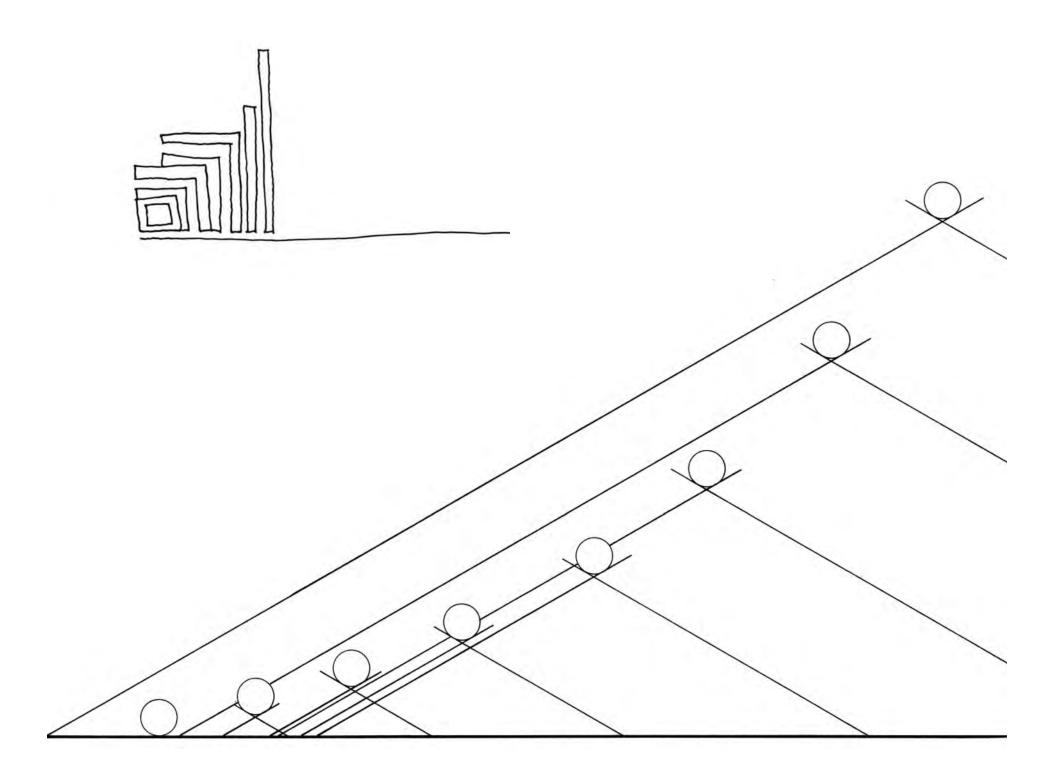


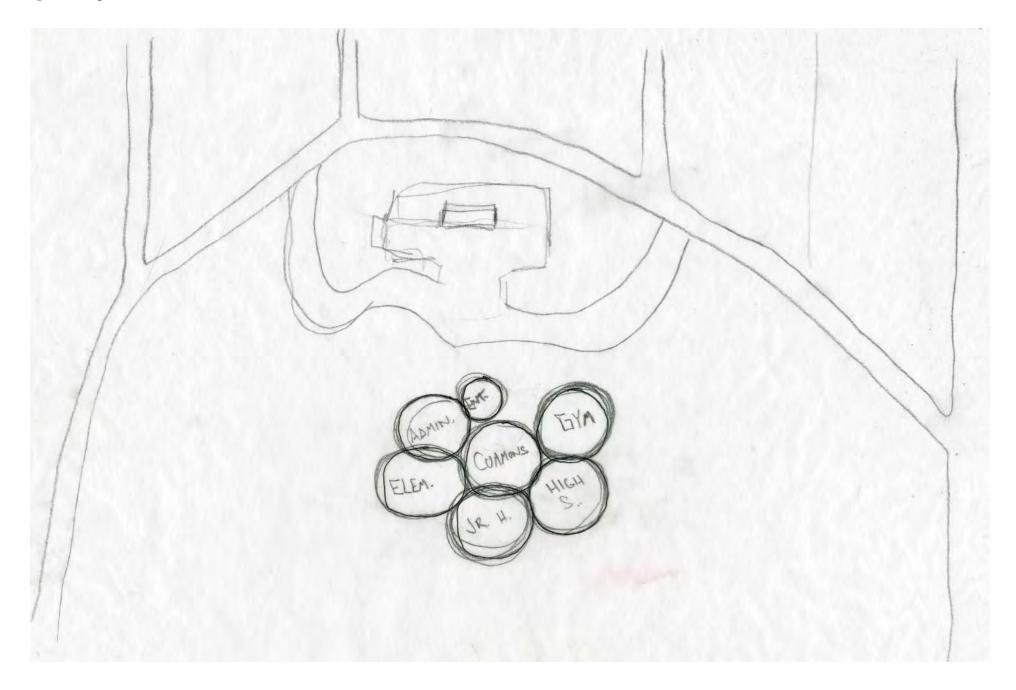


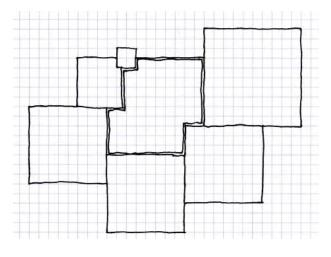


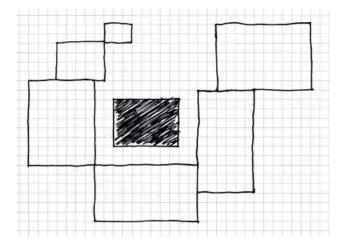


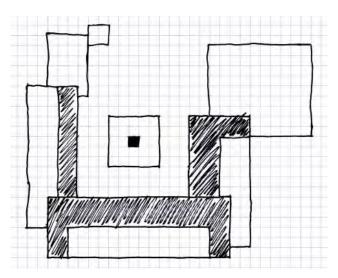


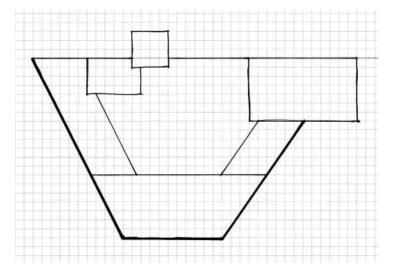


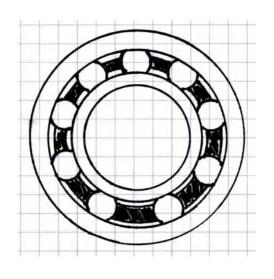




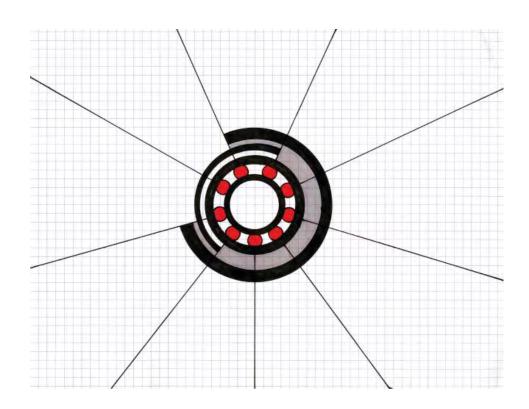


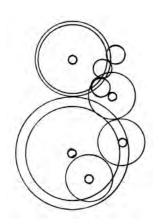


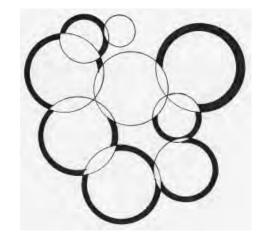




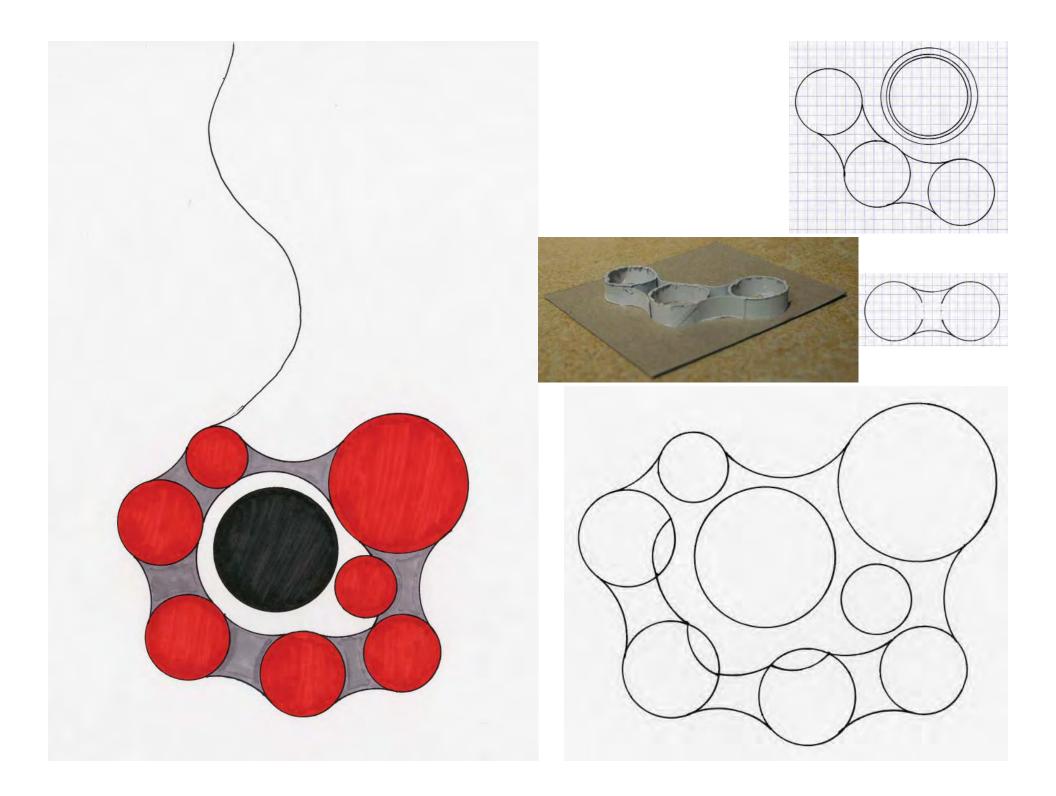


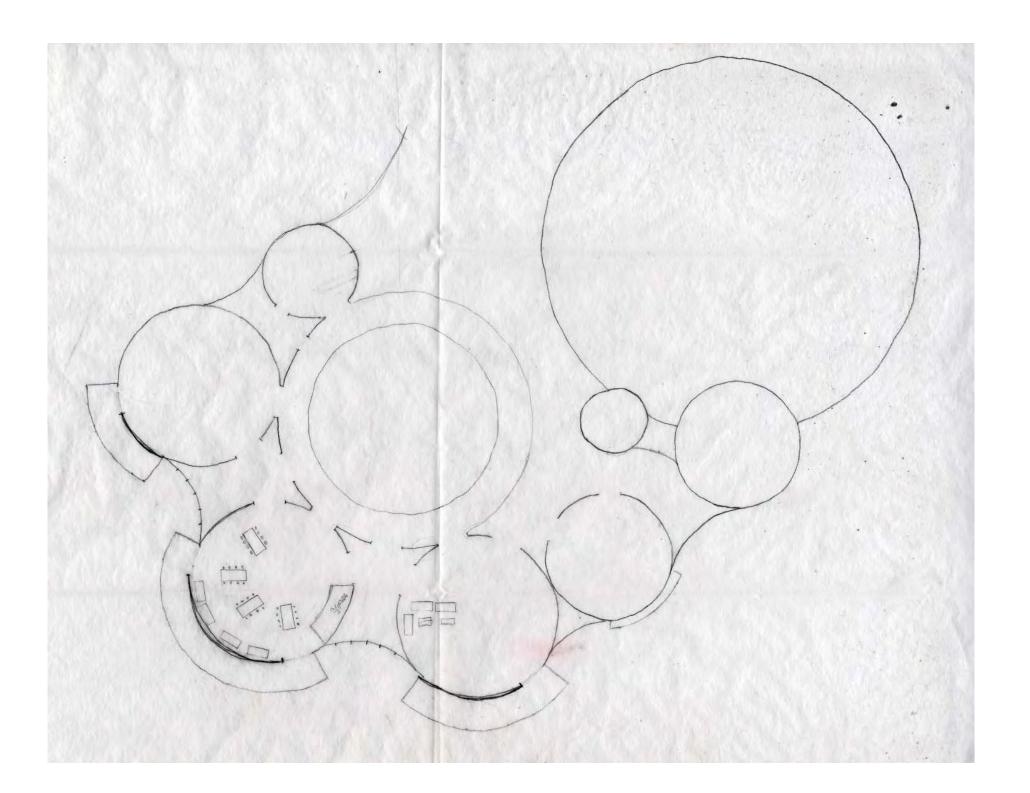






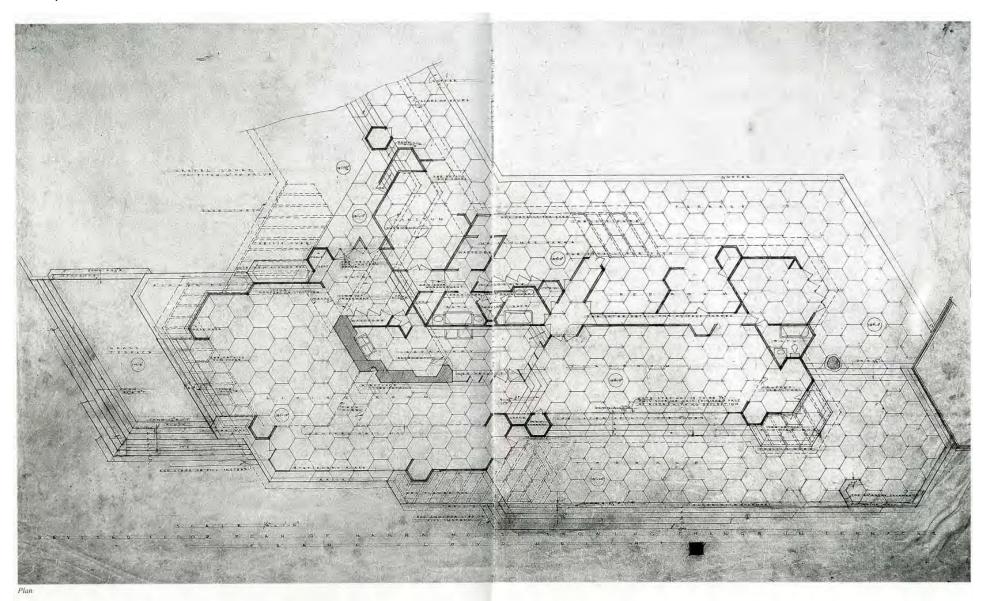






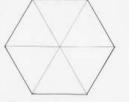
Frank Lloyd Wright: *Usonian Houses* 

"Honeycomb House", Stanford, California, 1936



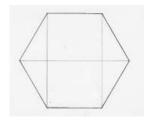


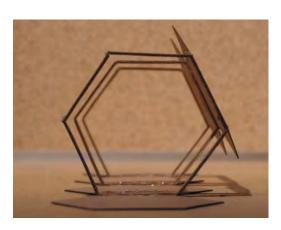


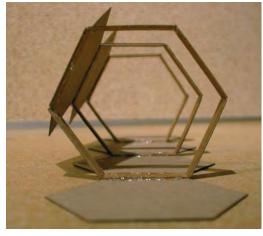


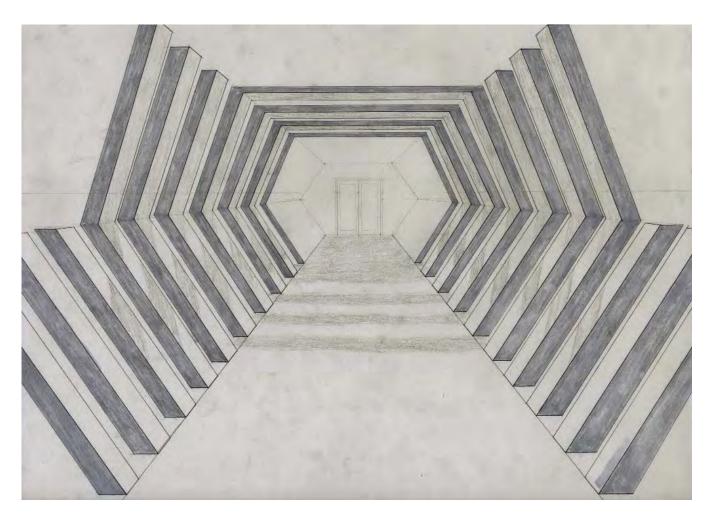






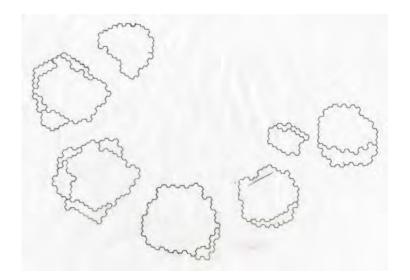


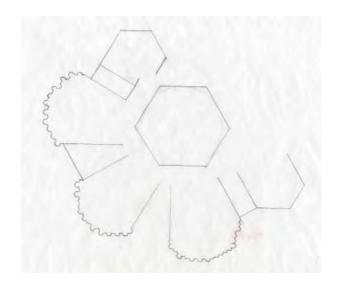


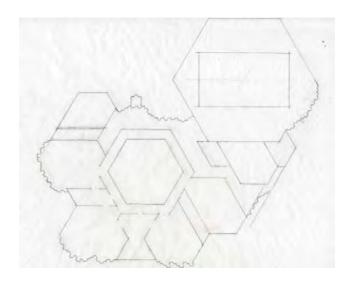


Hexagon size used in F.L.W.'s "Honeycomb House".	
Each segment of the hexagon is 2'-2" in length.	

Exploring the 2'-2" grid with my building's layout.

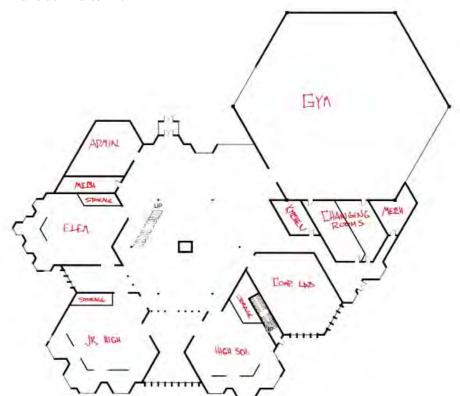


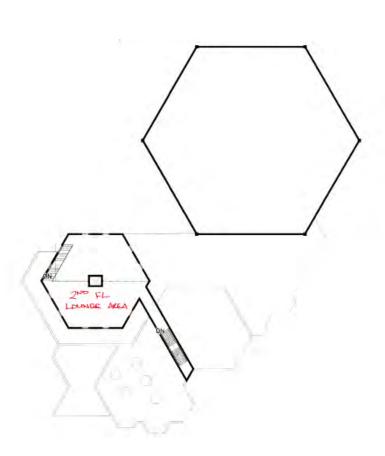


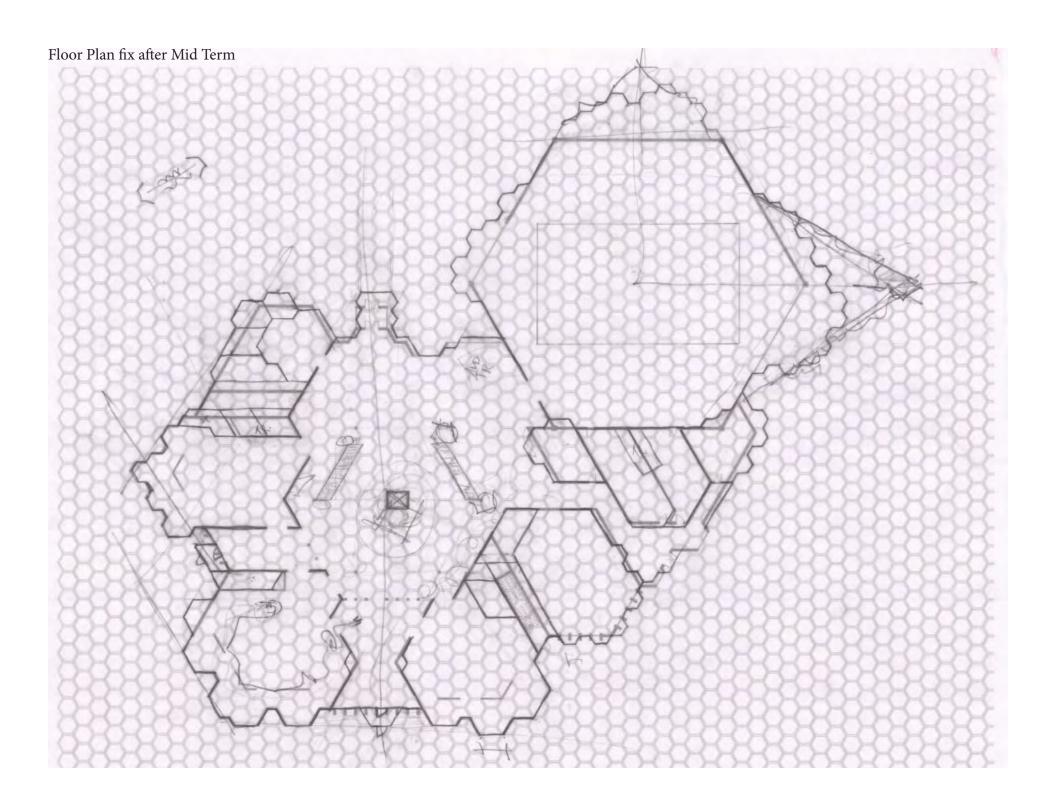


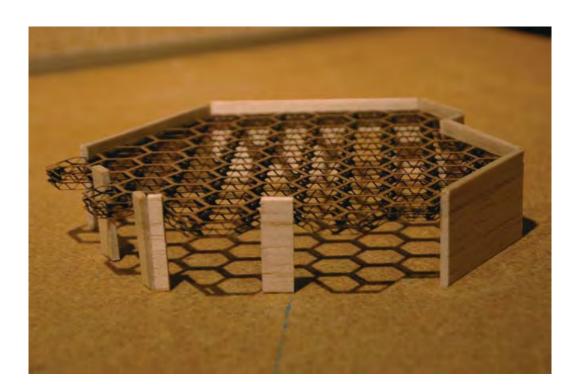
Doubled F.L.W.'s segment length to 4'-4" and used those dimensions for the superstructure.

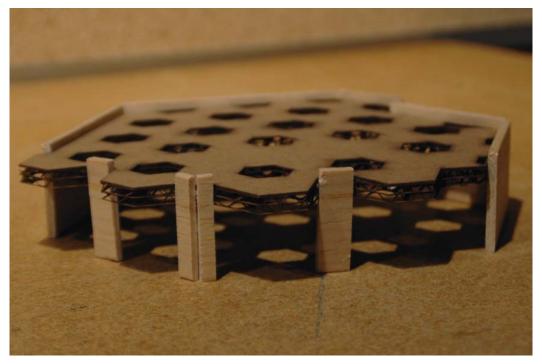
Floor Plans at mid term.

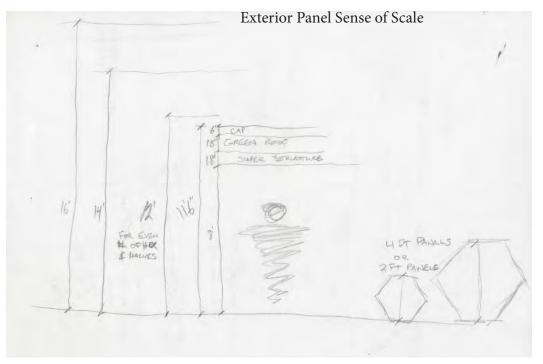


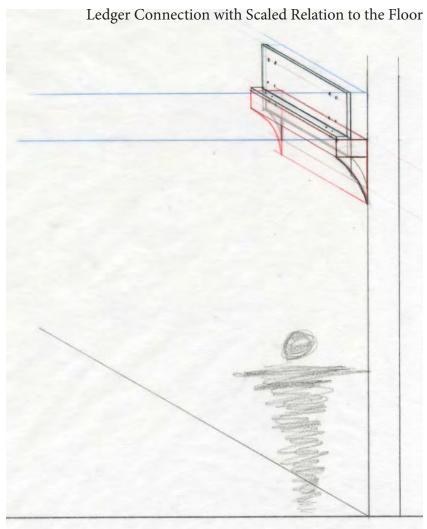


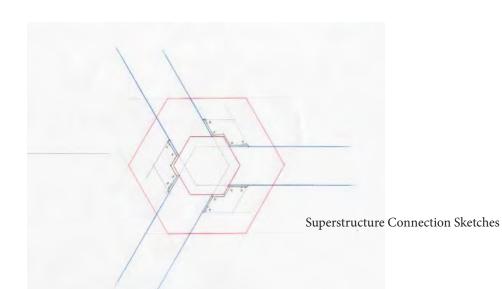




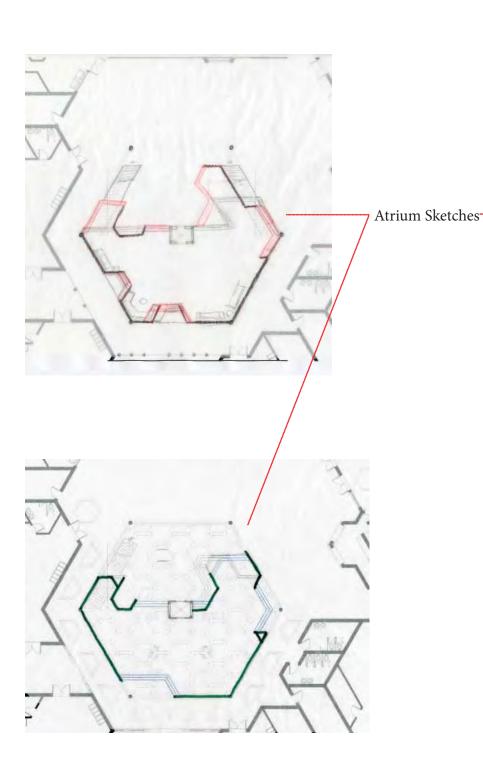


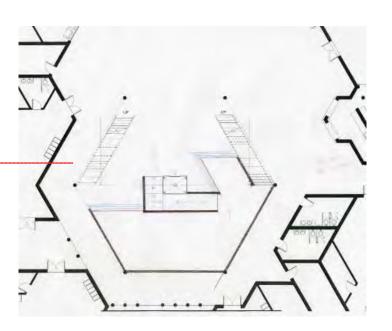






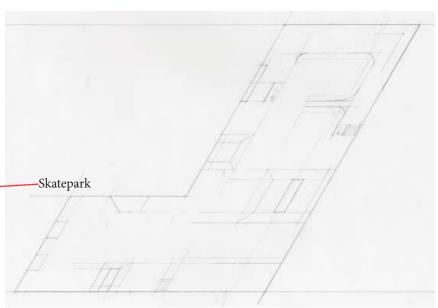












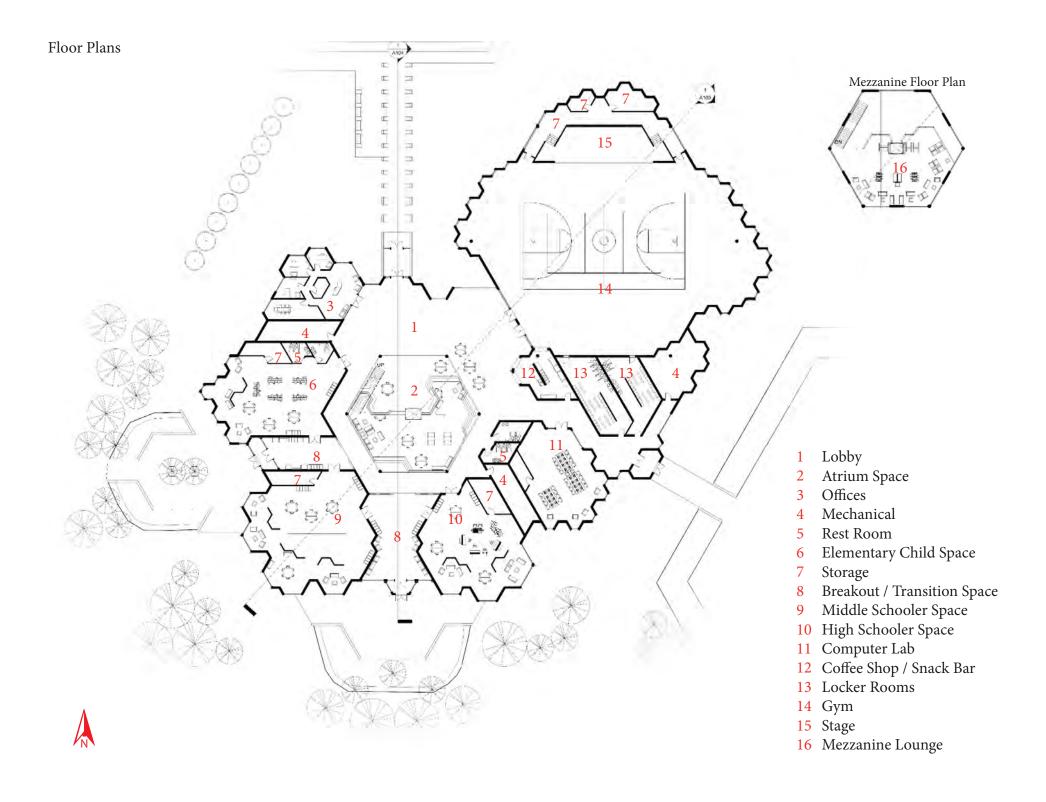


## Final Drawings

Bird's Eye View from SE corner of Site

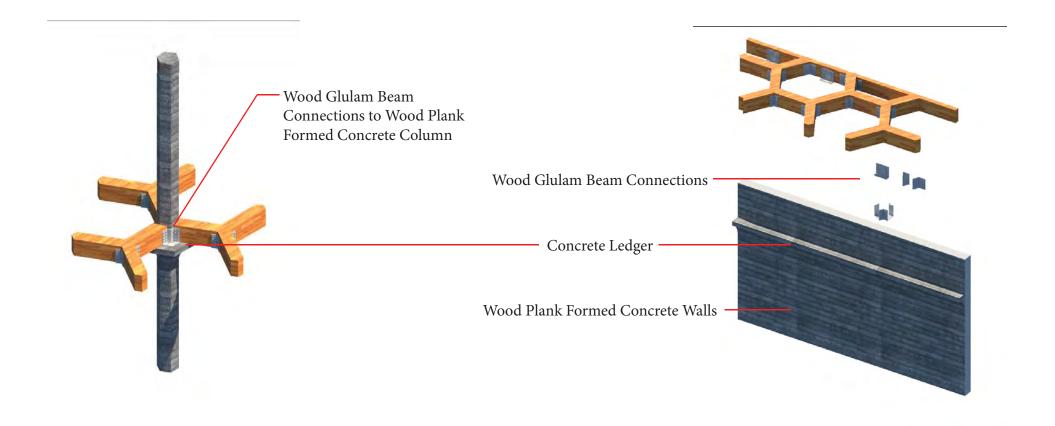








Section Going NE to SW

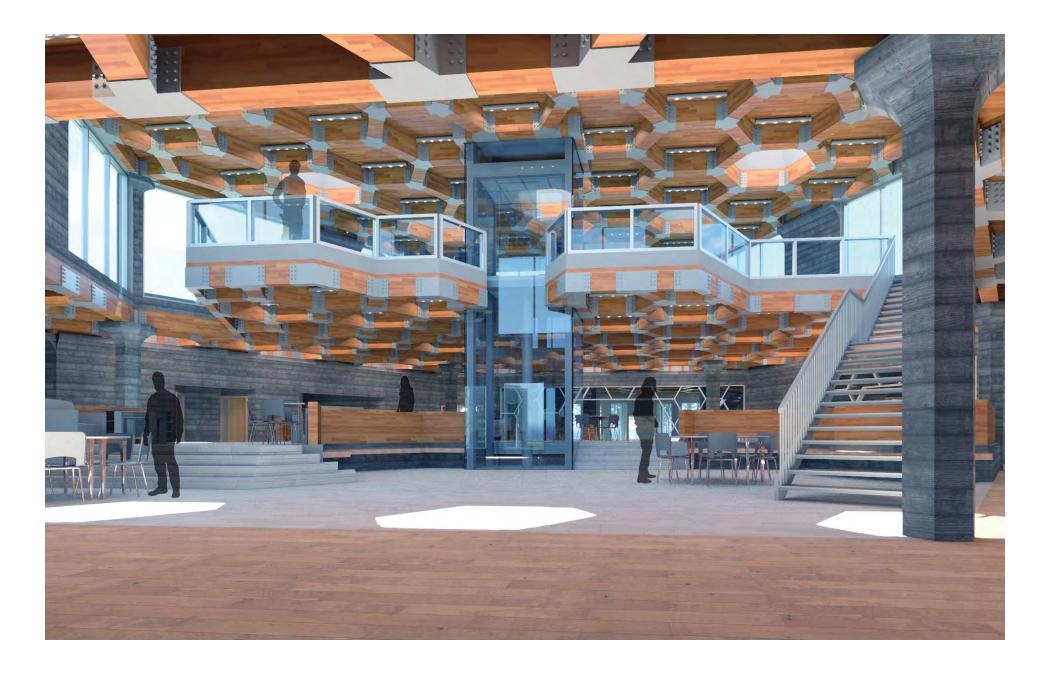


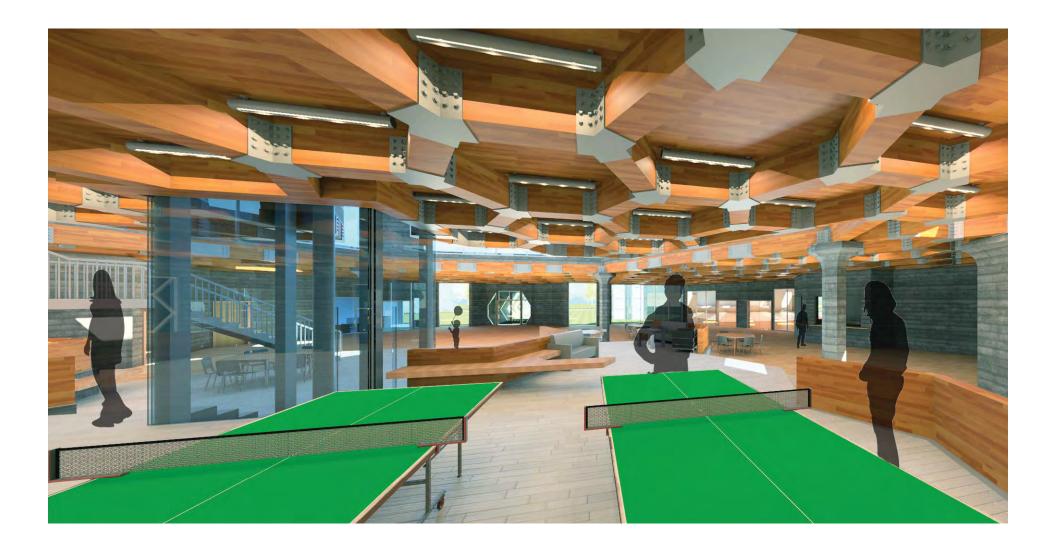
Exterior Panels: Weathered Steel Zinc Copper

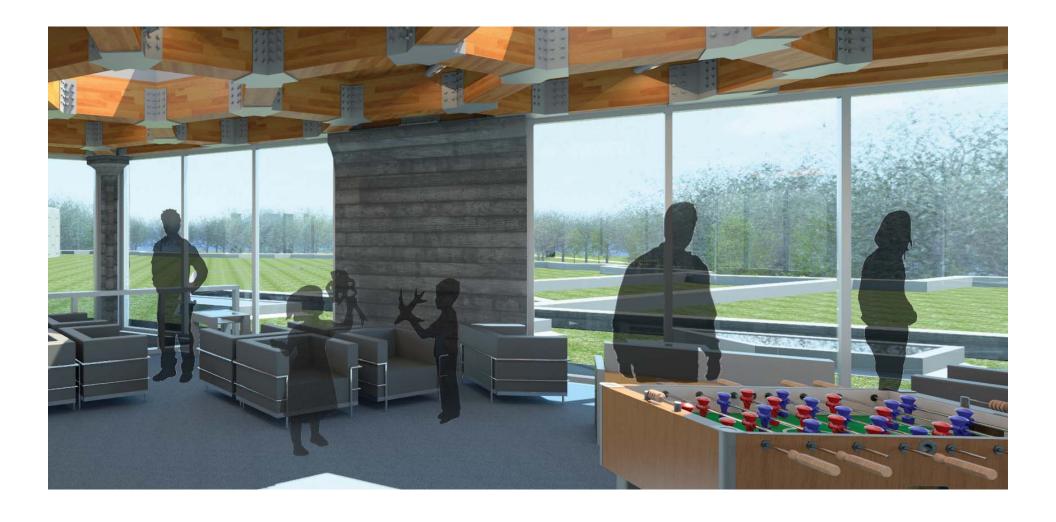


Section Going North to South











# Thank You.

Questions?