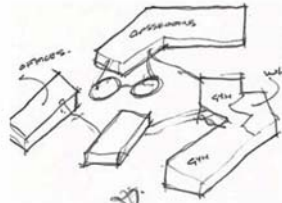


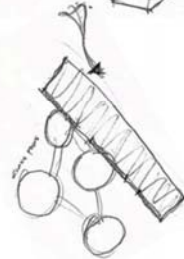


HIGH SCHOOL DESIGN (Albion, Nebraska)

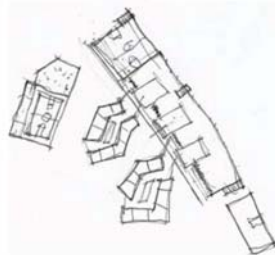
This new high school envisions its spatial requirements from observing the existing high school in Albion and proposes the solution of creating a larger and better learning environment for an increased amount of students. In order to maintain the quality of Albion, the high school was strategically placed in close proximity the downtown area and nearby neighborhood communities. This will not only benefit the businesses with the area, but also promote social engagement within the immediate community.



The original program was idealized through this sketch as an attempt to layout the program. It served as the preliminary study to the overall concept of breaking up the program of the high school into a series of pods.



In situating the high school in the desired site location, the program began to elongate due to the slenderness and length of the site boundaries. The concept transformed into a "wall and pod" system. This "wall" would protect the program from the harsh winter winds that come from the north while also acting as a sound barrier to the highway.



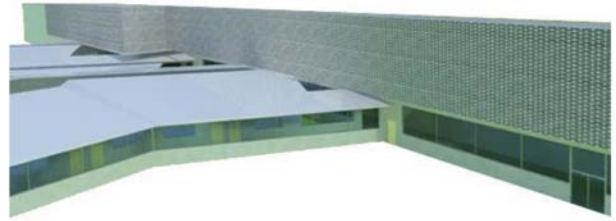
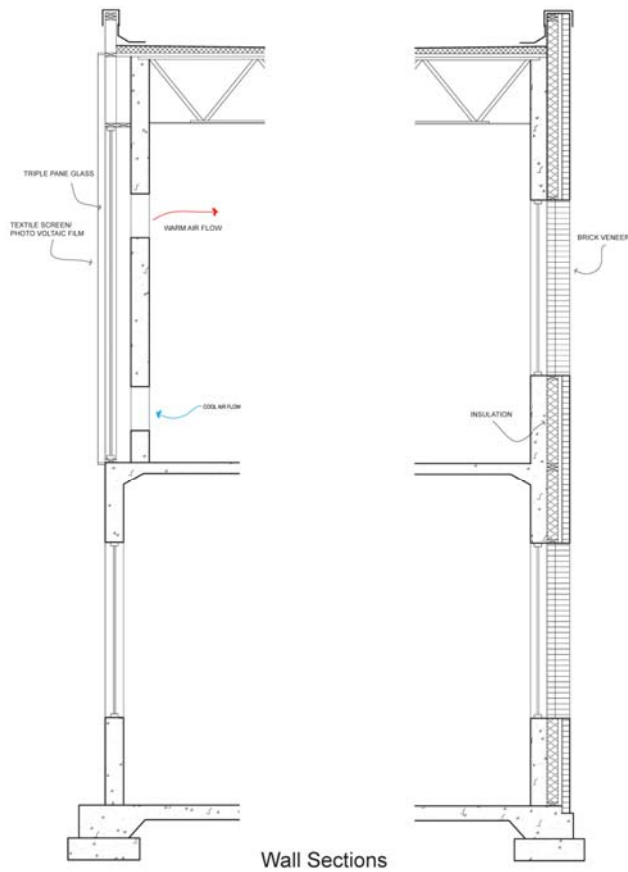
While refining the program, as well as maintaining the integrity of the concept, the public spaces (gym, library, performing arts, etc.) were incorporated into the wall and the private spaces (classrooms, distance learning room, etc.) to serve as pods.



First Floor Plan



Second Floor Plan



Summer Condition:

Due to the orientation of the program, the public spaces face southwest which poses the task of preventing unwanted direct sunlight inside the building during the warmer period of the year. To prevent the building from overheating, there will be a textile screen/photo voltaic film that is to be used as a shading device in the summer.



Winter Condition:

During the coldest months of the year, the screen will retract allowing maximum solar gain into the building. Trompe walls are incorporated into the second level wall system as a way of passive heating.

