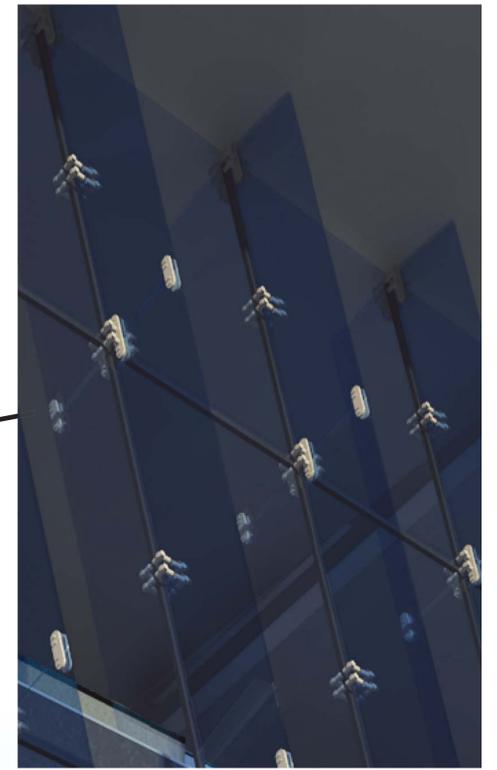


### Structural Glass

The envelope of the south and west facades are of structural glass panels. Steel holding clips attach the perpendicular panels to the facade wall for additional support from climatic elements.



Building Entry

## Raised Floors

Floors of the office spaces are on 9 inch floor stands to allow access space for electrical and air handling. The space below the raised floors will allow a greater access for personal control abilities. With access to the cable and ventilation in closer proximity to each individual, the ability to move the workspace to one's needs is more applicable.

## Ventilation

Supply ducts are dispersed more frequently in the office spaces to allow for personalization of air quality. Matching personal needs of the each individual achieves a better working environment and increases productivity.

## Lighting

Lighting in the office is primarily of natural light from the south facade and diffused light from the north. The lighting fixtures in the office space operate with light sensors and will adjust due to the amount of natural light in the space.

Office Section



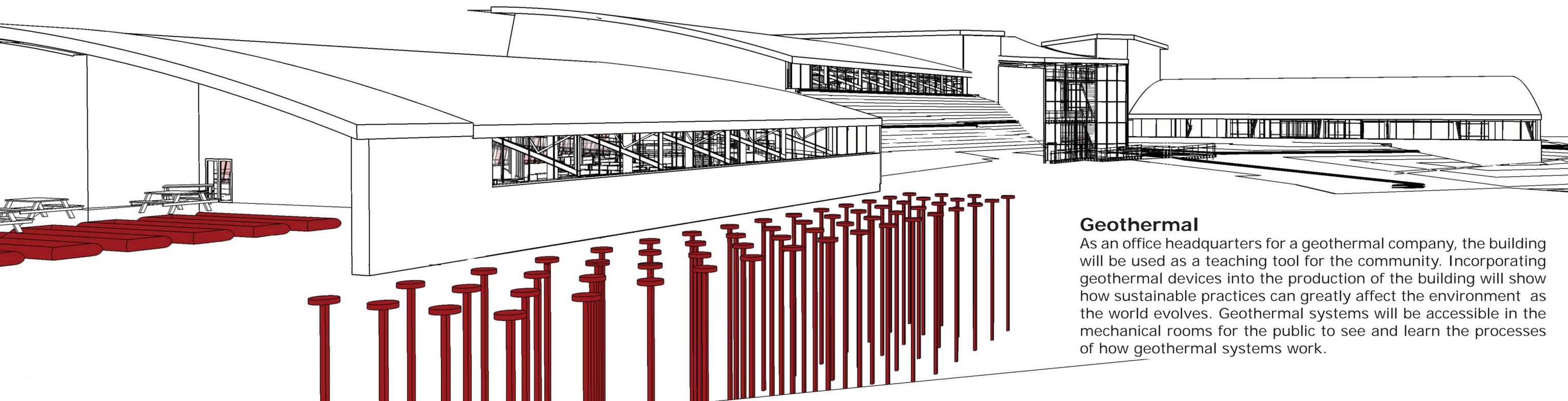
Cafe/ Office Plan



Exterior View from Office



# Elements of the Office Workspace



## Geothermal

As an office headquarters for a geothermal company, the building will be used as a teaching tool for the community. Incorporating geothermal devices into the production of the building will show how sustainable practices can greatly affect the environment as the world evolves. Geothermal systems will be accessible in the mechanical rooms for the public to see and learn the processes of how geothermal systems work.



Conference/ Gathering Space

Lobby

# Productivity within the Working Environment

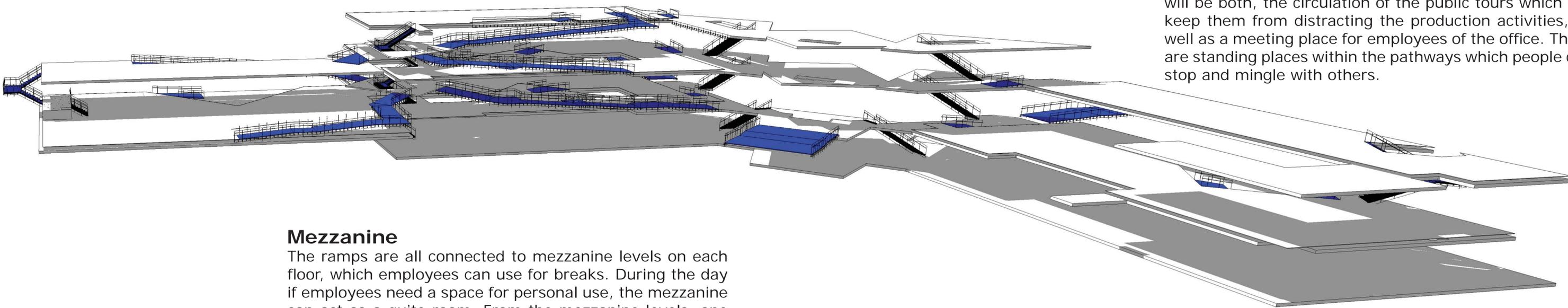
Michael Stueven  
 Professor Joan Vorderbruggen  
 Atch 772 Design Thesis, Spring 2010  
 Department of Architecture and Landscape Architecture  
 North Dakota State University

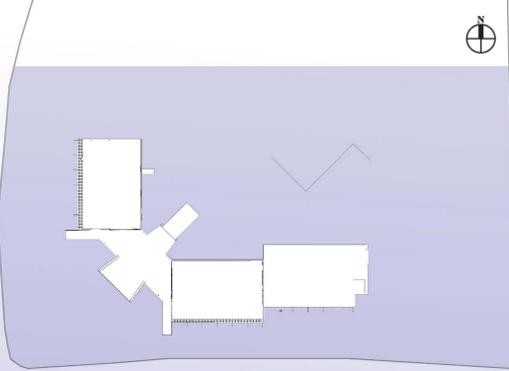
## Circulation/ Main Street

The circulation of the office spaces create a meandering path of ramps throughout the building. These pathways will be both, the circulation of the public tours which will keep them from distracting the production activities, as well as a meeting place for employees of the office. There are standing places within the pathways which people can stop and mingle with others.

## Mezzanine

The ramps are all connected to mezzanine levels on each floor, which employees can use for breaks. During the day if employees need a space for personal use, the mezzanine can act as a quiet room. From the mezzanine levels, one can overlook the open office plan.





**Location**

Completing the fourth corner of a major intersection in Maple Grove, MN, the office headquarters uses sun and wind patterns of the region to work passively with the environment. Creating more vegetation on the site enhances views for employees as well as help the aspects of productivity in an office environment.

