SOCIAL ADAPTATION

CHANGING THE BUILT ENVIRONMENT

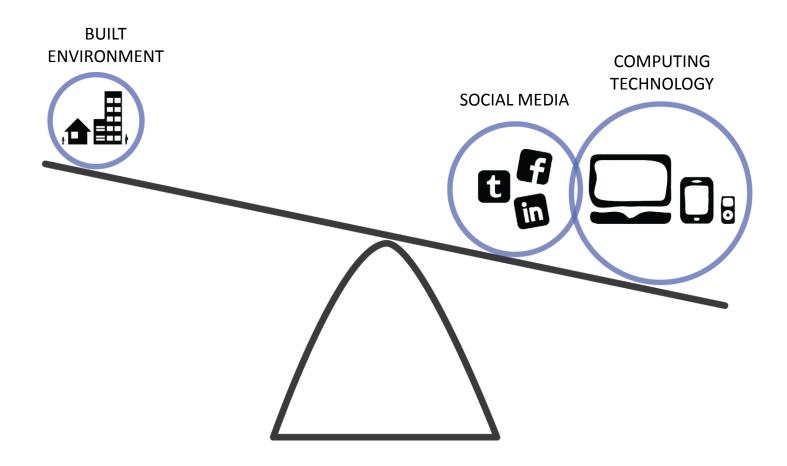


Overview

Introduction Technology and Site and Design Q & A Social Media Influences Exploration

Technologies significantly affect human ability to control and adapt to their natural environments.

Social media is a means of interaction among people in which they create, shape, and exchange information and ideas in virtual communities and networks.

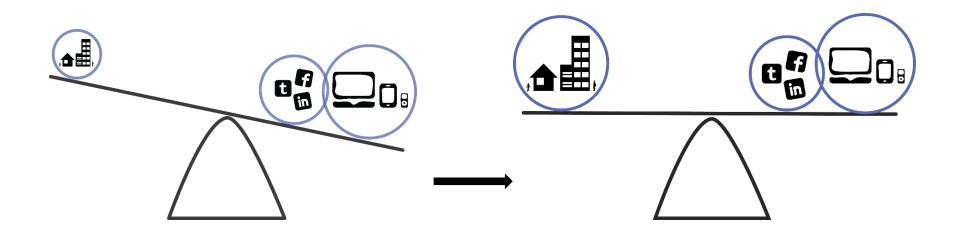


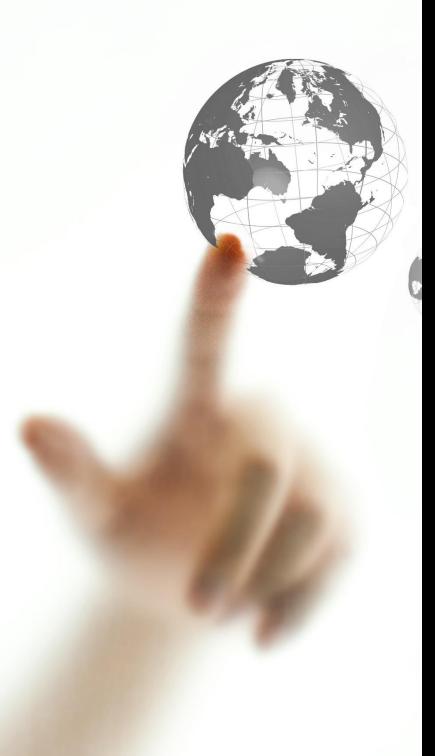
The 2014 Budget...

Provides \$300 million for research and development on innovative building efficiency technologies and the ongoing introduction and enforcement of appliance efficiency standards that save consumers and companies money while improving performance.

Proposes \$4.0 billion for the multiagency Networking and Information Technology Research and Development

Proposes \$754 million for National Institute of Standards and Technology which promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology





PROBLEM STATEMENT

How have computing technology and social media changed the way we envision the built environment?

THEORETICAL PREMISE

Because our culture is exploding with technological advancement and social media is so widely prevalent, the character of design needs to reflect the character of today's society.

JUSTIFICATION

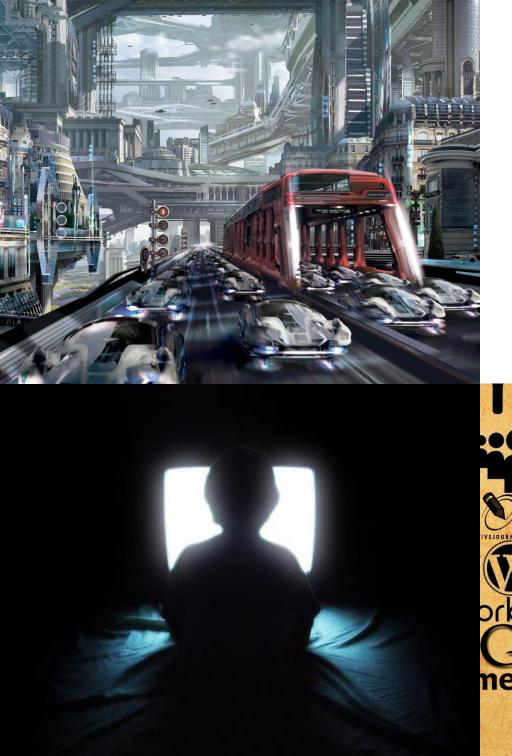
As society embraces the changes in computing technology and the access to social media, it must also allow a change of character in the built environment. Technological advancement provides a deeper consideration of—what can be? Or what needs to be? Likewise, with the overwhelming access to social media at our fingertips, we must strive to use this resource as a learning tool rather than a social crutch.

TYPOLOGY

Mediatheque in Grand Forks, ND

Mediatheque (media-tek)

A contemporary, fluid space of modern technology designed for users to learn, educate, and showcase their knowledge



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...the character of design needs to reflect the character of today's society.





However...

Times are changing, and we live in a digital world that is complex and fast-paced.

Whether we like it or not...

Computing technology and social media are elements in our society that continue to persuade and inform our daily life decisions.

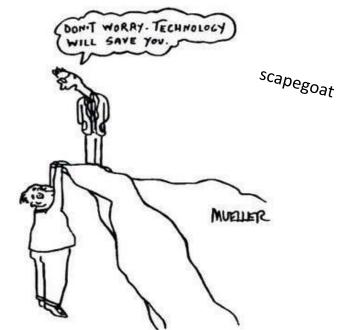


...what about the negative effects?





...what about the negative effects?



unreliable

annoying

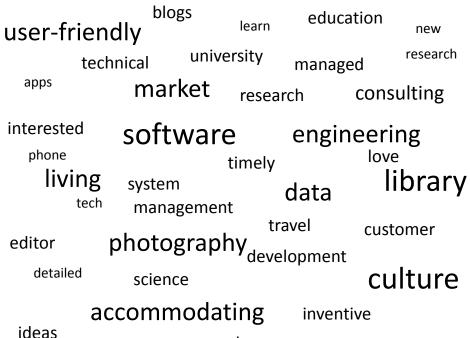
TO COMPLAIN ABOUT THE USER-UNFRIENDLY NATURE OF THIS SELF SERVICE MENU, PLEASE USE THE PHONE KEYS TO DESCRIBE YOUR CONCERN IN ESSAY FORM.

fear of change

addictive

...they don't outweigh the positive!





storage

professional

...they don't outweigh the positive!



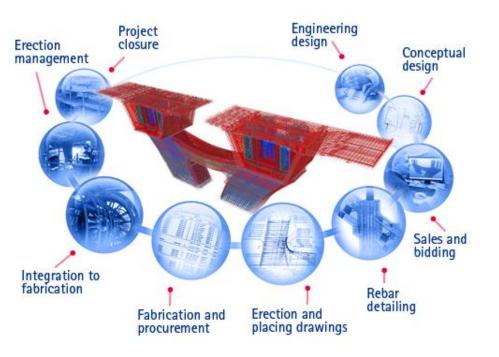




WE MUST NOT BE AFRAID OF CHANGE;



BUT RATHER EMBRACE IT AND KEEP MOVING FORWARD





The technological shift in today's culture has proven to change the way people live and the way businesses operate.

In this new digital age, there should be a way that architecture can reflect this trend yet be able to adapt to its constant change and development.

Employ smart technologies, sustainable solutions, lasting materials, prefabricated elements and spaces that provide social interaction

People are influenced and intrigued by technology, and the built environment offers an empty canvas to showcase this curiosity



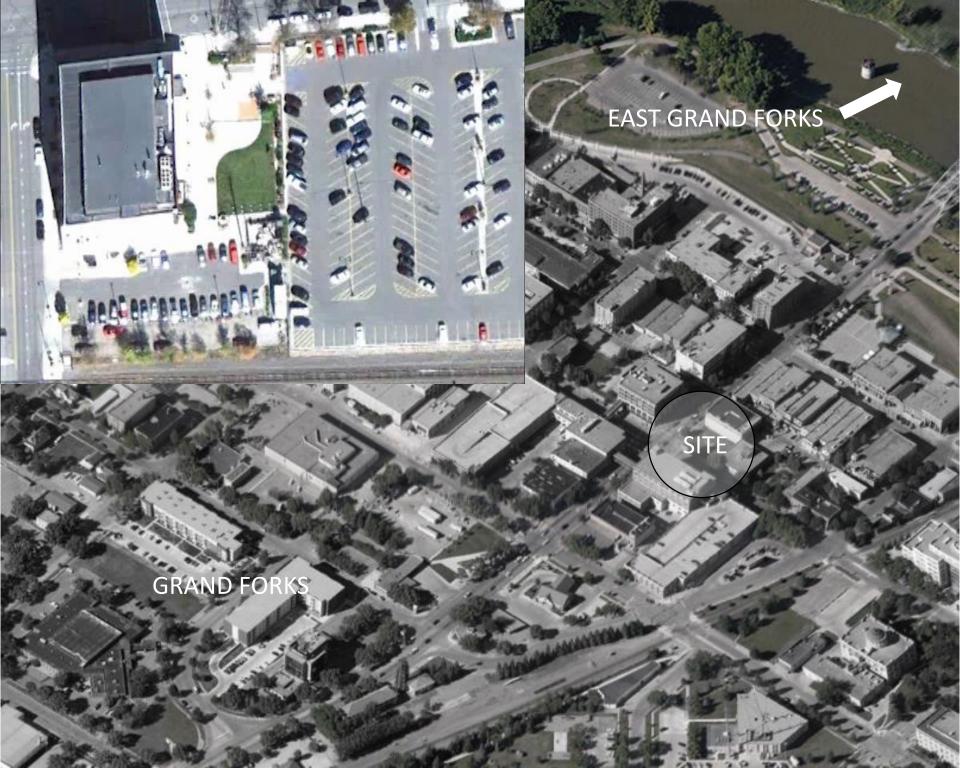
THE FUTURE IS TECHNOLOGY
PEOPLE PEOPLE MAKING WISE
DECISIONS ABOUT
TECHNOLOGY.

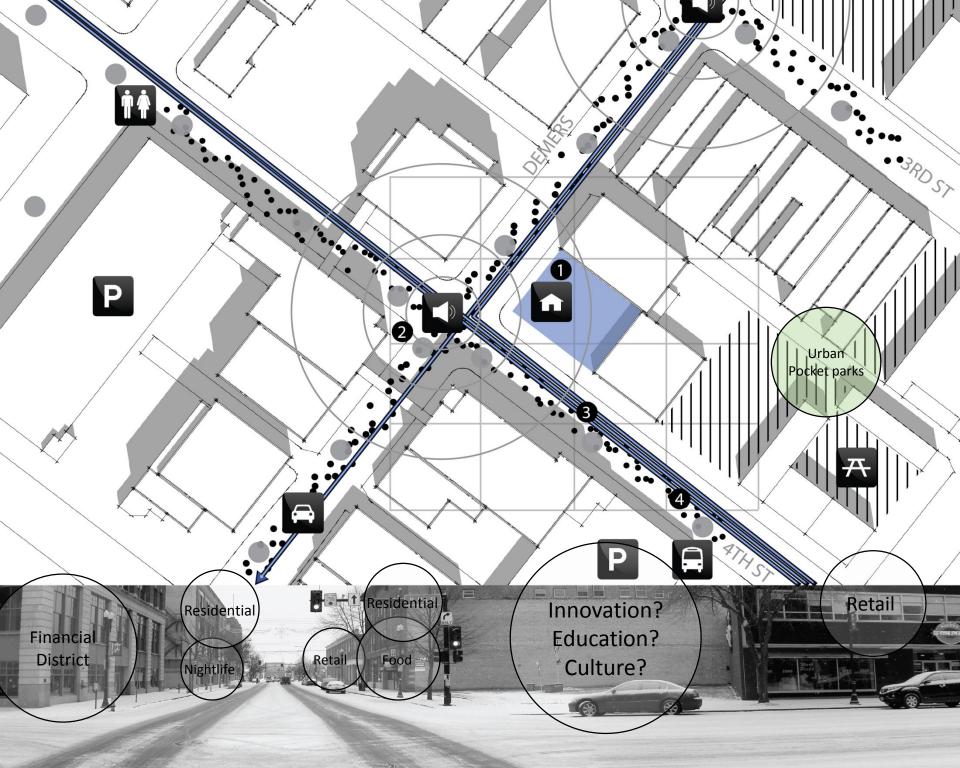
Grand Forks, North Dakota is growing quickly, and the built environment needs to support this growth by providing modern needs.

Grand Forks needs such a facility to help it stay current, interconnected and competitive in today's society.

A Mediatheque will be a place where cultures alike come together to be educated, and where built design can be examined and displayed for the community and its visitors.

A Mediatheque will help the emerging community provide culture, a place to be, and a downtown destination and hub to further boost the liveliness of the area.









Suburbanization.

Decentralization of the city causes a shift in how the downtown is visualized and occupied.

A surge of one-story strip malls and superstores become the cities economic and social center.

The cities downtown center is ignored and left unmaintained.



Post Flood.

The flood did offer the city an opportunity to plan, rebuild and energize its economy.

Major urban planning and construction resulted in:

985 single-family dwellings

594 townhouses

1,328 multi-family units

213 commercial structures

56 public buildings

Revitalization.

Since the flood, the downtown in Grand Forks has been revitalized by redevelopment, investment, and a renewed interest in living and working.

Downtown Design Review Board created to establish a plan of redevelopment and infill to the downtown area.

Re-imaged downtown will result in new multi-family units, restoration of historic buildings, upgraded infrastructure, streetscape enhancements, unique public art spaces and mini pocket-parks.

POCKET-PARK CONNECTIONS

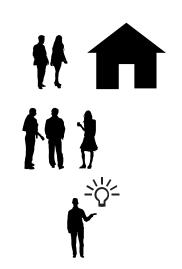
Continue to Revitalize.

CONNECT

People to Site

People to People

People to Ideas



EXCHANGE

Ideas and Information



EDUCATE

Individuals

Culture



ADAPT

To digital culture



To function use



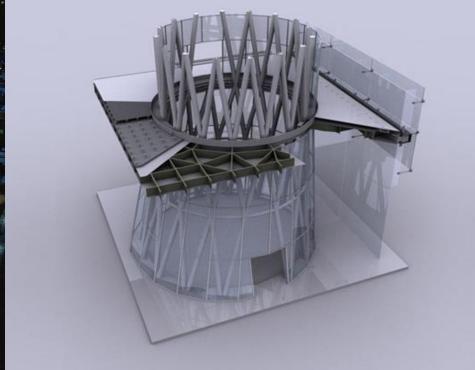
To current environment



Built Environment







The Mediatheque is a genuine building in terms of transparency; strong in-out correlation enables a well-defined description before getting in the building.

Vertical tubes are structure and also act as circulation that allow users to **interact** with the building.

Extremely fluid space with full views of the city and an abundance of natural light.

Sendai Mediatheque

Toyo, Ito Sendai, Japan





Vibrant atmosphere around the atrium creates a Social interaction network.

The design is centered around the users.

Space is so open that you can really see and interact with other people.

But at the same time there is a feeling of intimacy in the small corridors.

IT University

Henning Larsen Architects Copenhagen, Denmark







Natural light.

Core circulation and atrium is designed to guide the user but also have the luxury to socialize.

Core twists from floor to ceiling connecting the galleries like a piece of artwork.

*Tel Aviv Museum of Art – Amir Building*Preston Scott Cohen, Inc.
Tel Aviv, Israel



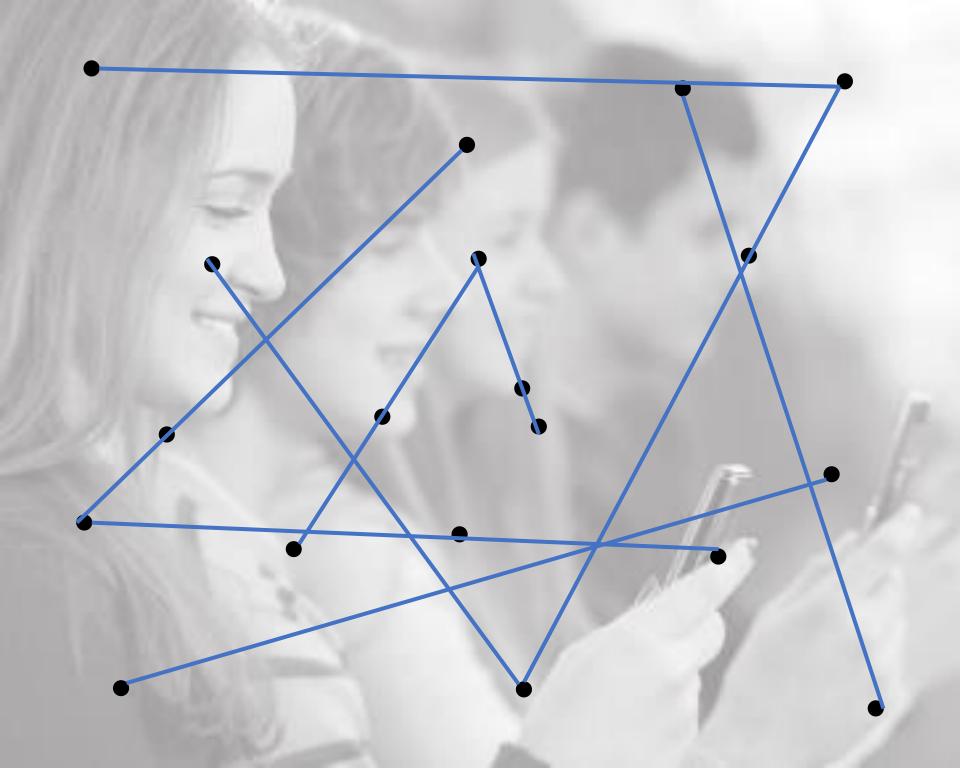
Thesis goals.

To create a sense of place in an urban environment that is continuing to rebuild and regain its historical entity.

To explore how today's built environment can be shifted towards a more **Social** and **technological** realm.

To provide a place for people to educate and instill the notion of technology in the built environment.

To design a structure that has the ability to adapt to a myriad of functions it will hold.



Major Program Elements

INTERACTIVE GALLERY

A compilation of digital media for public hands-on interaction

FLEXIBLE BREAKOUTS

Adaptable spaces for public and private use

CLASSROOMS

MULTI-MEDIA STUDIOS

RETAIL

Technological products and miscellaneous souvenirs

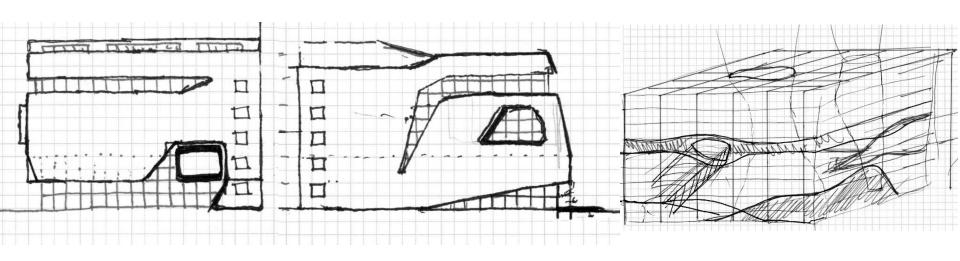
CAFE

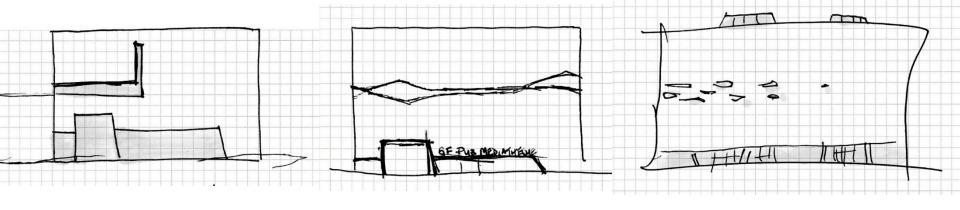
CORE STRUCTURE

Physical and visual circulation connection

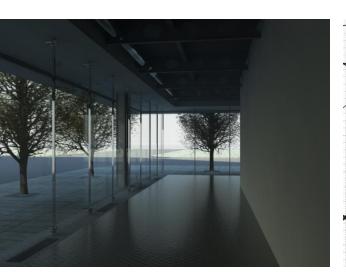
SKYWAY

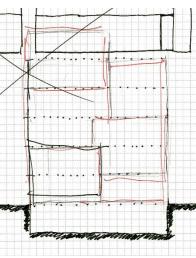
Sketches and Influences.

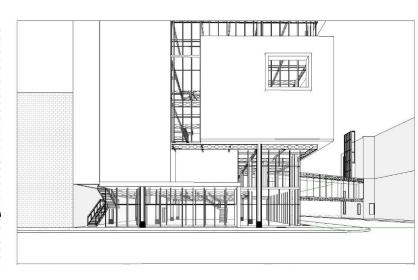


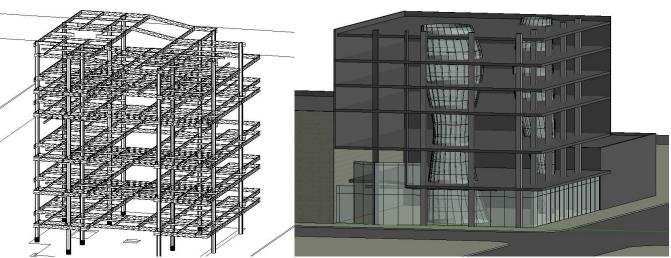


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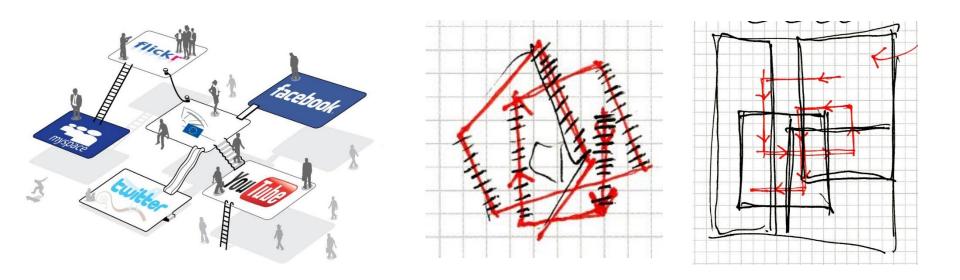


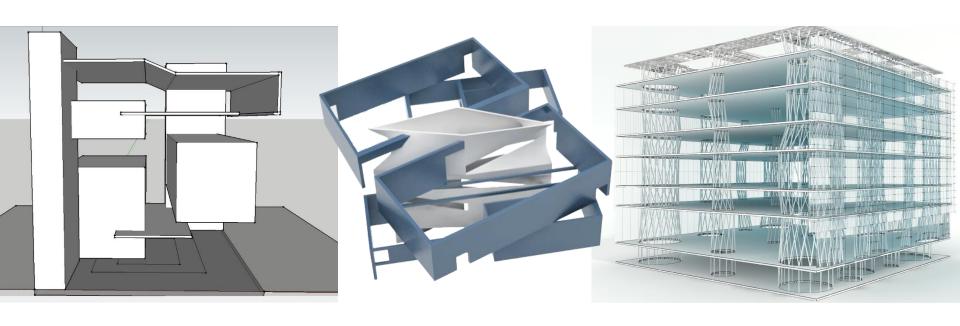






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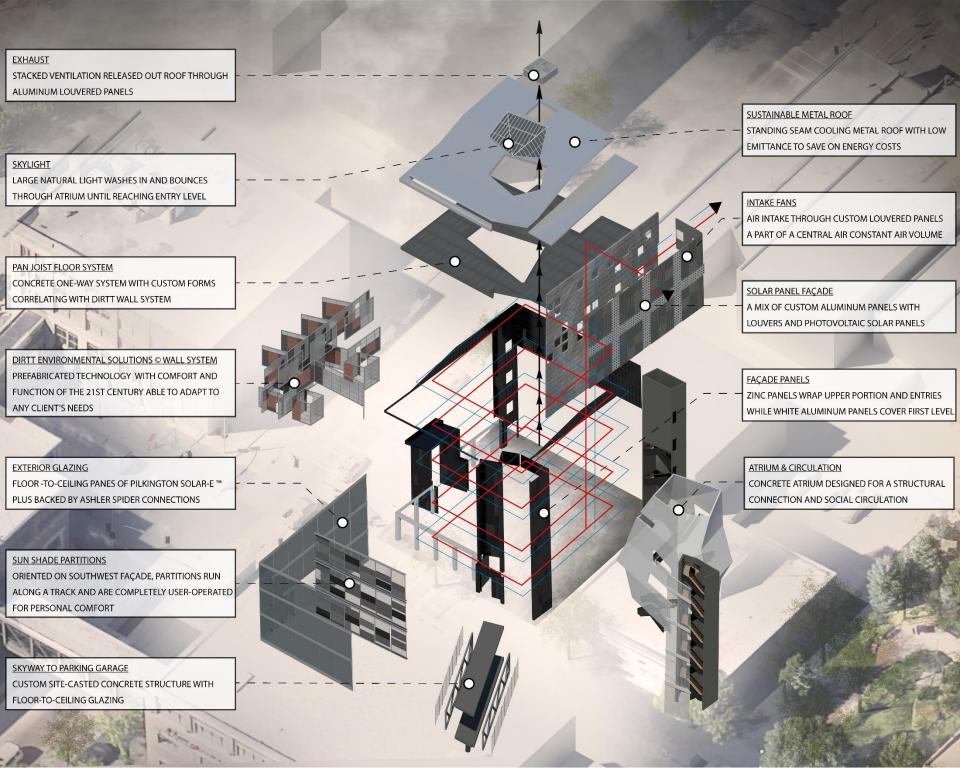


DEMERS AVE ELEVATION



4TH STREET ELEVATION







NORTHEAST ENTRY



SOUTHWEST ENTRY



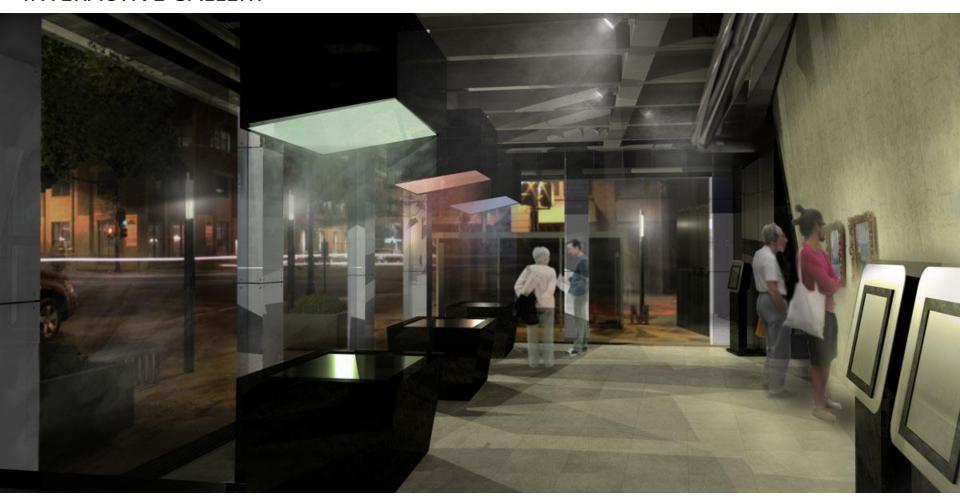


ENTRY SEQUENCE

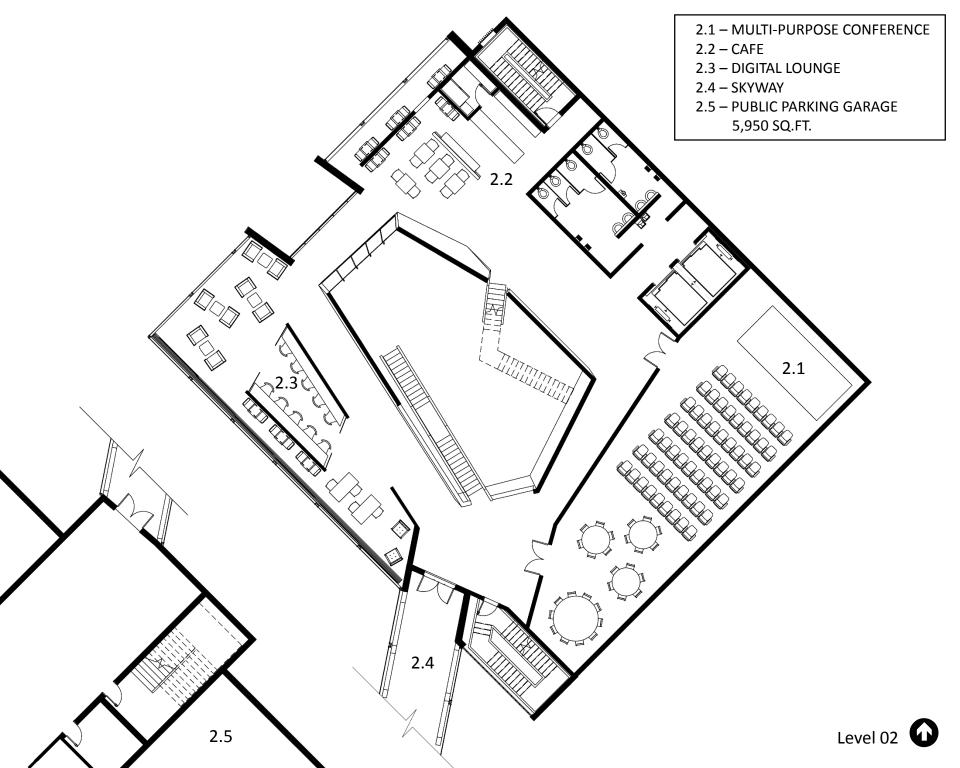




INTERACTIVE GALLERY

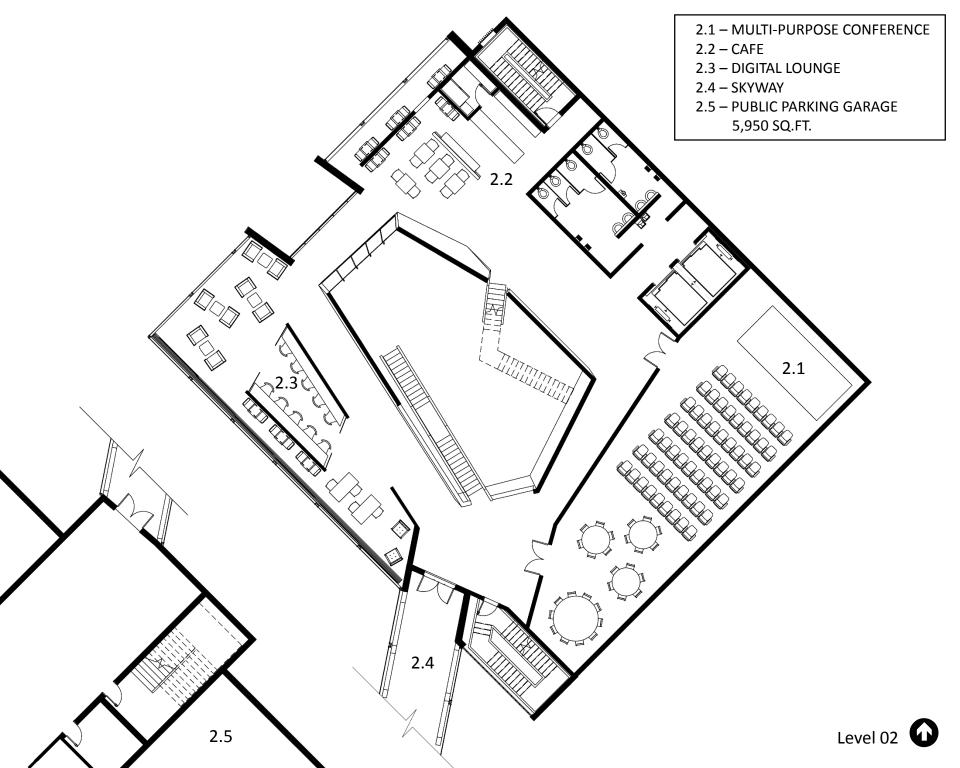






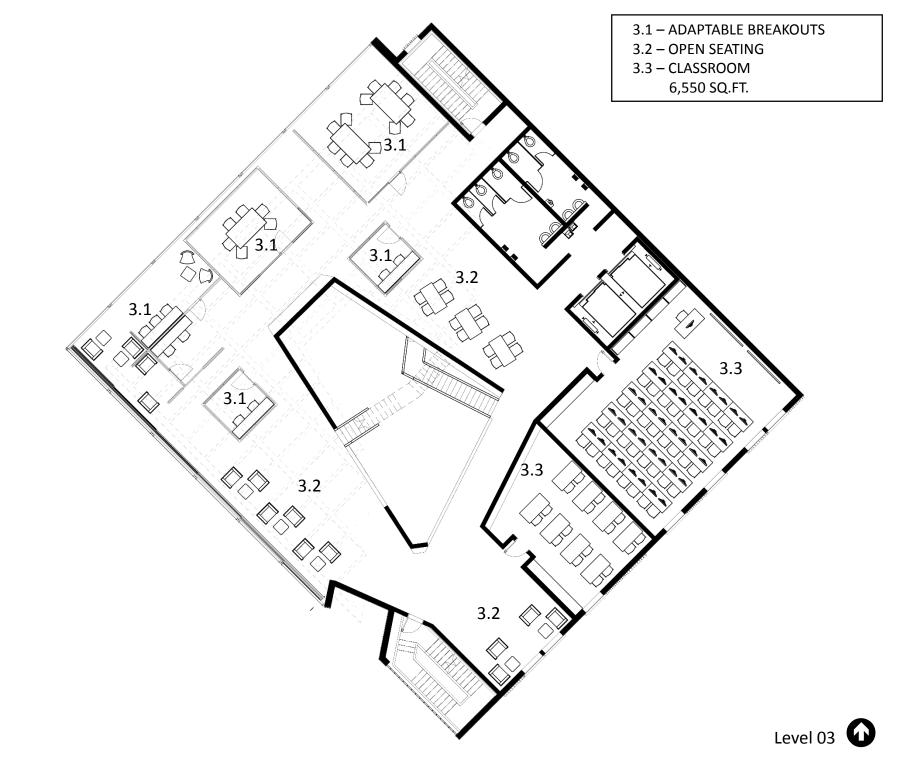






DIGITAL LOUNGE AREA

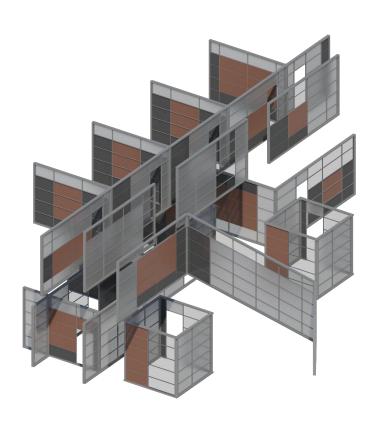


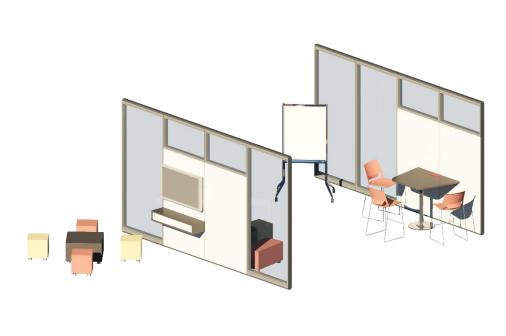


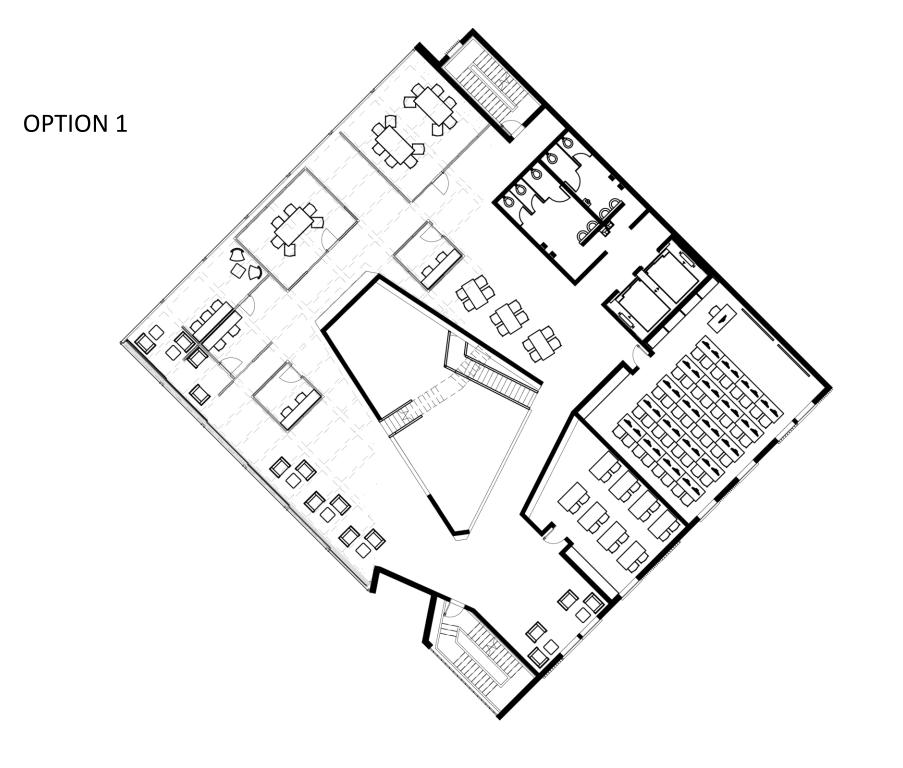
DIRTT WALL SYSTEM

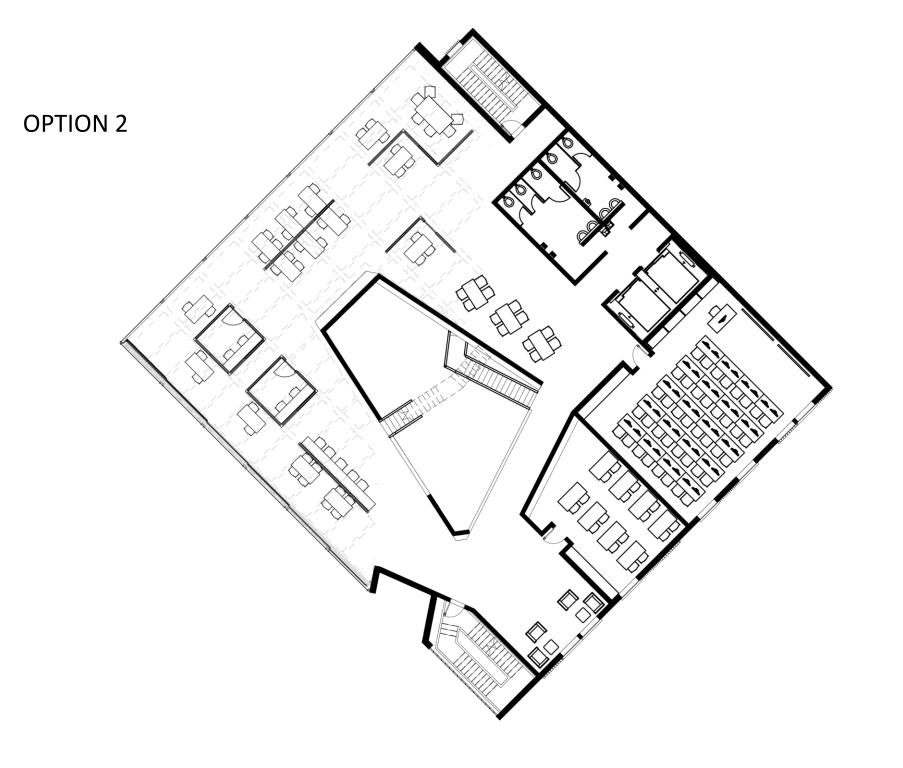


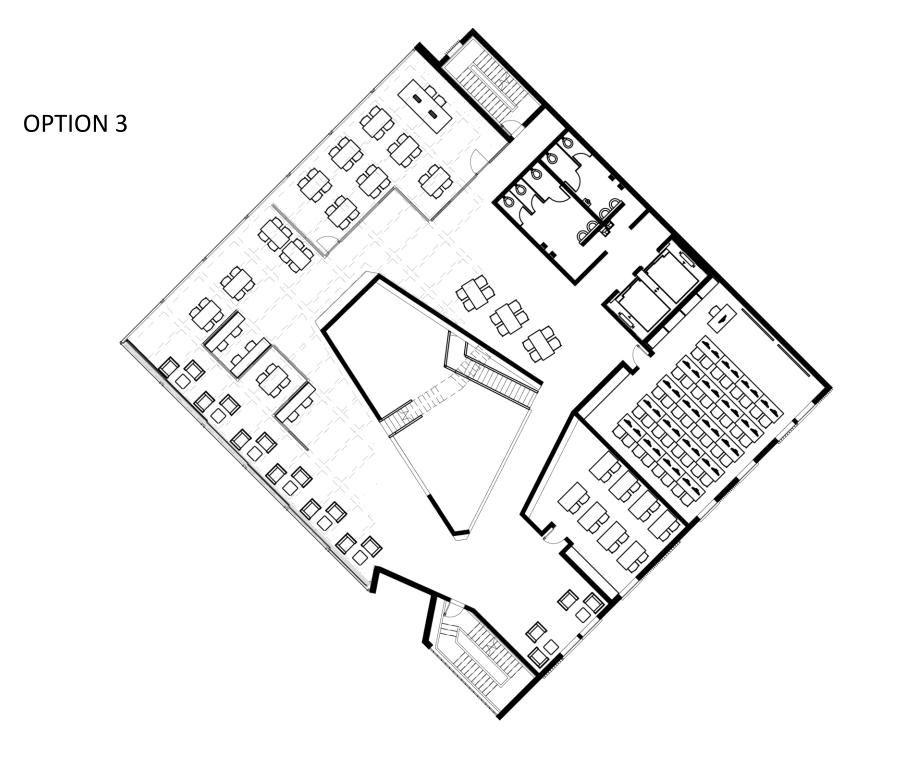
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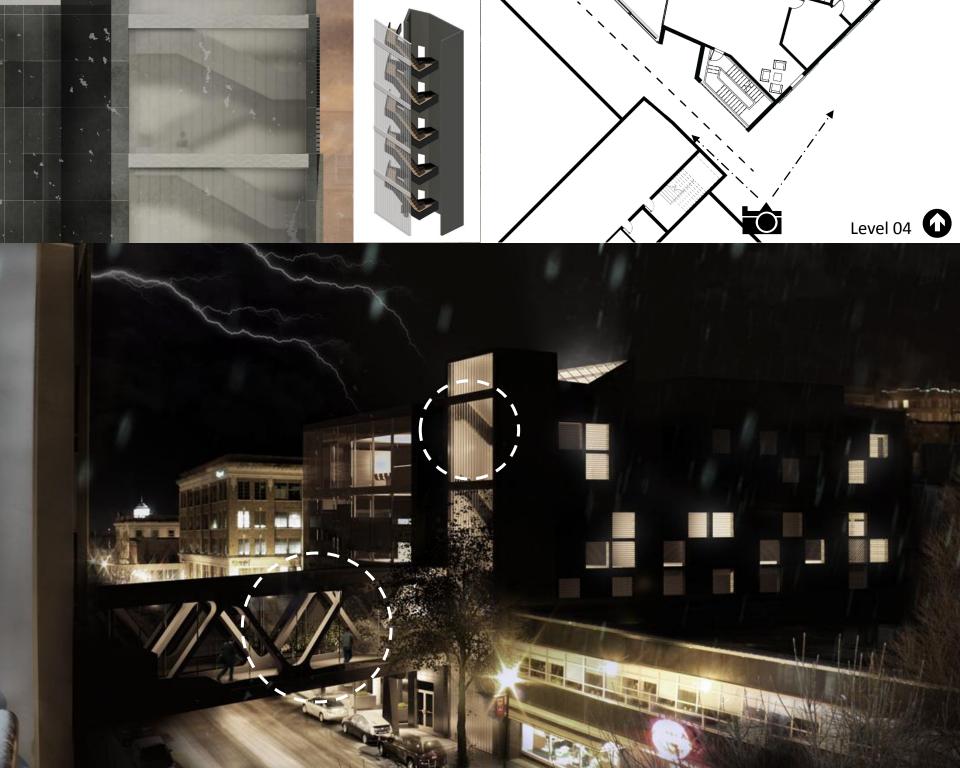


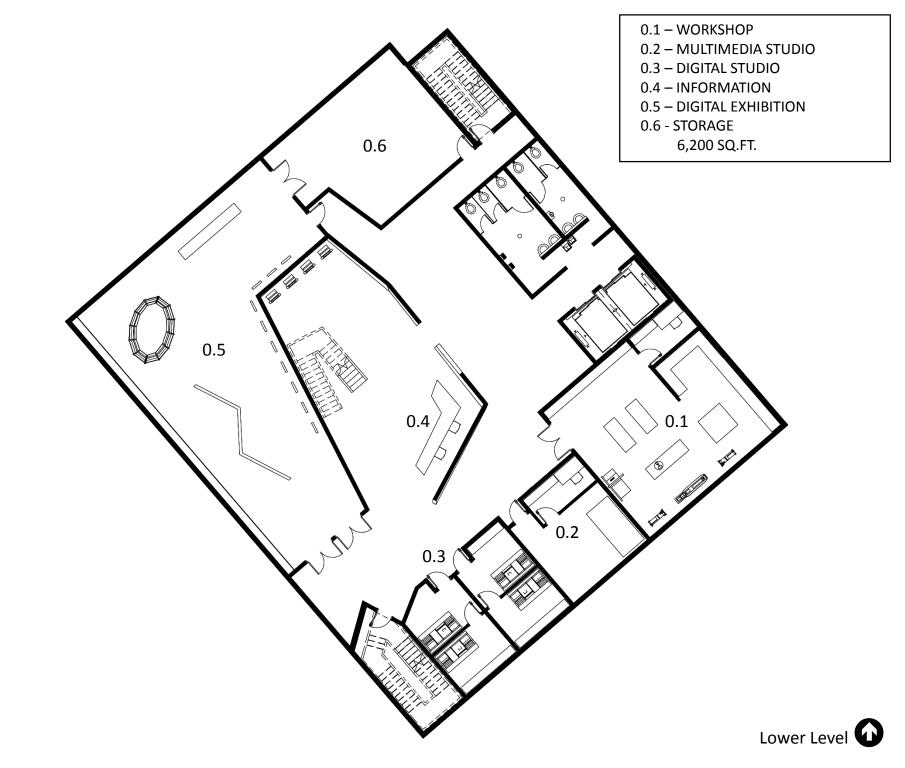


SMALL CLASSROOM



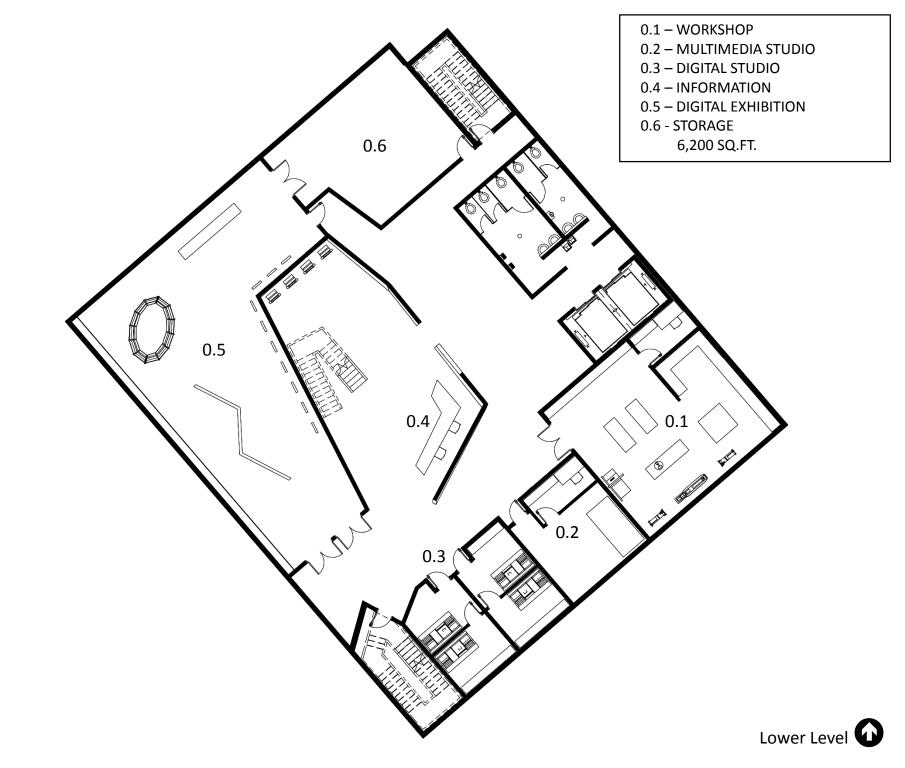






DIGITAL EXHIBITION









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